

IMPORTANT

Owner Information

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

Please include pictures.



Includes:

GameTime Warranties

Ground Plan

Hardware Listing

Assembly and Installation Instructions



A **PLAYCORE** Company

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Thank you for selecting, installing and maintaining your GameTime play equipment. We appreciate the confidence you have placed in us and will always strive to earn your trust and respect. The following information is an overview of maintenance procedures and you should always refer to the individual specifications found within your Owner's Manual that was provided with your original order. While the purpose of this overview is to make you aware of considerations in your routine maintenance program, it is not to be considered an all-inclusive list.

We do not want you to rely upon this overview in lieu of the normal safety inspections you might otherwise conduct. Please refer to the GameTime specifications and warnings, which were supplied with the equipment and continue your normal inspections. Please do not construe our failure to either itemize any particular maintenance activity or list any particular condition as a statement that none is needed or requires attention. We volunteer these comments in the interest of safety while, at the same time, advising you of the restricted context in which they are given.

Play environments generally contain playground equipment, protective surfacing and other related amenities like shade canopies, benches, litter receptacles, natural plant materials and access pathways. It is very important to view the entire area to ensure that general public safety factors like streets, parking lots, utility lines, neighboring yards with pools and animals, and drains are taken into consideration when planning your play area. Additionally, be sure that adequate lines of sight are available throughout the equipment and play area have been established. Be sure to provide access to all interior and exterior elements of the play environment.

Regular maintenance is necessary on all park and playground equipment, including the protective surfacing. **Proper maintenance extends equipment life.** Maintenance of play environments requires commitment from dedicated and trained individuals with some mechanical ability and common sense. The frequency of each inspection generally depends upon environmental conditions and amount of equipment use. Normally, daily inspections are adequate; however in some low use environments with favorable environmental conditions, weekly inspections may suffice. Please be advised that high use play environments may need workers to help with supervision and daily maintenance issues.

With regards to overall safety, if you ever feel a piece of equipment or portion of the protective surfacing is broken or dangerous, immediately take the equipment out of service. If necessary, post personnel or fence the equipment to prevent use until the necessary repairs can be made. This is an important precaution that can potentially prevent an injury.

PROTECTIVE SURFACING

Regular maintenance to the playground protective surfacing material is critical to providing safer and more playable environments for children and adults.

“Surfacing” is the material under and around your play equipment. There are two main categories of surfacing materials -unitary and loose-fill. Unitary surfacing materials include rubber matting, a combination of rubber materials poured-in-place and other applications of closed cell foam and rubber materials. Loose-fill Surfacing materials include engineered wood fiber, recycled shredded rubber, recycled chipped rubber, sand, gravel, shredded bark mulch and wood chips. It should be noted that though sand is a wonderful play material, it is abrasive on equipment and can be the cause of excessive wear on heavily used components.



Unitary poured in place rubber on playground



Loose-fill on playground

UNITARY SURFACING

Poured-in-place, rubber tiles, and rubber mats. Prior to purchase, the owner/operator should require from the unitary surfacing vendor, a copy of their testing results proving the product has been properly tested for the critical fall heights of the play equipment.

Debris and loose-fill materials on the unitary surfacing should be removed regularly to help prevent the potential of tripping or slipping. Damaged sections of the unitary surfacing should be repaired immediately. This includes vandalized areas, worn areas, and tiles that have become loose. Some types of unitary surfacing can be power-washed to clean-up spilled food materials and help to remove loose impediments. Always check with the manufacturer and obtain their recommendations prior to cleaning unitary surfacing.

LOOSE-FILL SURFACING

Loose-fill surfacing requires daily maintenance. Loose-fill surfacing tends to be displaced in high traffic areas (such as slide exits, under swings, under overhead ladders, sliding poles, etc.). This displacement requires the owner to physically move the surfacing back to the correct location. Additionally, children may move loose-fill surfacing by digging and playing with the surfacing. A final consideration is that a loose-fill material tends to compress (pack down) over time. All of the above stated actions require you to perform routine maintenance to the loose-fill surfacing. Regular daily maintenance includes removing any unwanted items that may have been brought into the play area, removing litter, and raking the material back to the needed areas. Weekly or monthly maintenance includes uncompressing the materials with a rototiller or other loosening machine, and replenishing materials as needed.



Raking loose-fill engineered wood fiber material

Exposed Footings- When surfacing materials have been displaced and the concrete footing is exposed (the concrete is used to structurally anchor the play equipment), it is important to replace the surfacing (at the correct depth) over the exposed footing. Concrete footings should be installed slightly below construction grade. Never allow exposed concrete footings or walkways within the use zone of playground equipment.



Exposed concrete footing (others)

PLAYGROUND EQUIPMENT

LOOSE-FILL SURFACING

Most of the ASTM F-1487 structural integrity requirements are designed for equipment manufacturers to physically test their equipment. GameTime engineers test equipment to meet or exceed these structural integrity standards. Additionally, GameTime play equipment has been independently validated and certified to the ASTM F-1487 standard through the International Play Equipment Manufacturers Association. For more information about this process and our certified products, refer to www.ipema.org.

With regards to long term structural integrity, there are areas that need to be inspected as part of your regular maintenance program. You should check for rust on metal parts (especially at and below ground level). You should also inspect all welds, especially with moving equipment, for cracks or signs of fatigue. In the event that a weld appears damaged or fatigued, take the equipment out of service until necessary repairs can be made. Additionally if you own wooden equipment, it must be inspected for wear, cracking, and rotting (especially at and below ground level).

PAINT/FINISH

For over two decades the finish on GameTime playground equipment has been a protective plastic powder coating. This process insures a lead-free coating that is cured over the metal surface to give years of protective service from the environment. We supply matching touch-up paint with each equipment order and additional touch-up paint may be purchased through your local GameTime representative.

Over the past decade, two main concerns have arisen with paint on older playground equipment. The concern about lead in paint is mainly due to older equipment being repainted through the course of years. Older equipment that has paint peeling or flaking should be tested for lead. You may wish to research and confirm that the paint on your playground equipment has no lead in it as outlined in Consumer Product Safety Commission (CPSC) Handbook Section 8.1. If paint contains no lead and has worn off a section(s) of equipment and the equipment is still in compliance with applicable ASTM standards and CPSC guidelines, contact your GameTime representative for availability of touch-up paint. Exposing the equipment to rust, can eventually cause structural failure.

MOVING PARTS

Like everything else in the world that moves, friction wears moving parts of playground equipment. It is important to recognize which parts move and inspect them often. Examples of moving parts that require frequent inspection include but are not limited to: swing hangers and chains, track-rides, trapeze ladders, trapeze rings, tire swings, Xcelerator, swivel-meister, backhoe digger, steering wheels, whirls, chain net climbers, panels with moving assemblies, spring riders, suspension bridges, and Buck-A-Bout (modern see-saw).



Excessively worn swing chain (others)



Maintained swing connection

Equipment subject to movement needs to be inspected as often as possible. Motion can lead to attachment hardware becoming loose and/or worn. Most GameTime hardware has a factory applied thread locking patch to help minimize the occurrence of hardware becoming loose. Any hardware that is worn should be replaced with the proper new hardware. This new hardware should be ordered from the manufacturer of the playground equipment.

DAMAGED EQUIPMENT

Excessive use or vandalism can cause damage to play components. It is vital that damaged equipment be repaired or replaced as soon as possible. For liability considerations, structural integrity, and design, only the original manufacturer should supply replacement parts. If the original manufacturer is unable to supply replacement parts, strong consideration should be given to replacing the entire apparatus.

GENERAL EQUIPMENT MAINTENANCE RECOMMENDATIONS

The following is a general guide to types of equipment and the areas on which to focus your inspection and maintenance. Please inspect all areas and take action (as soon as possible) as outlined above.

Equipment	Area of Special Focus Initial/Daily/Weekly/Monthly
Balance Beams (Graduated or Curved)	<ol style="list-style-type: none"> 1. Distance to surfacing 2. Paint wear
Stationary Climbers (Arch, Banister Rails, Clover, Coasters, Crazy 8, Critter, DNA, Dome, Xscape, WallCano, Mountain)	<ol style="list-style-type: none"> 1. Diameter and spacing of rungs on older equipment 2. Hardware becoming loose 3. Rust on hardware and metals 4. Paint wear
Moving Climbers (Chain Nets)	<ol style="list-style-type: none"> 1. Wear on moving areas-structure and hardware 2. Hardware becoming loose 3. Rust on hardware and metals 4. Coating coming off of chains
Upper Body Equipment (Loop Ladders, Overhead Ladders, Track Ride, and Trapeze Rings)	<ol style="list-style-type: none"> 1. Wear on moving parts, structure and hardware 2. Distance to surfacing-there is a maximum height for Upper Body Equipment for both age groups 3. Hardware becoming loose 4. Coating coming off of chains 5. Diameter and spacing of rungs on older equipment 6. Rust on hardware and metals 7. Paint Wear
Slides (Rumble 'N' Roll, Single and Double Zips)	<ol style="list-style-type: none"> 1. Hardware becoming loose 2. Gap between slide bed and platform that may cause entanglement 3. Stairs/platforms for wear/damage 4. Distance to surfacing- there are distance requirements for heights of slide exit regions to surfacing for both age groups 5. Damage to slide bedway 6. Rust on hardware and metals

Swings (Xscape, Single Post, Three Leg Traditional and Modern, Tire, and T- Swing)	<ol style="list-style-type: none"> 1. Wear on moving areas- structure, seats, and hardware (chains, brackets, and hangers) connecting devices 2. Hardware becoming loose 3. Coating coming off of chains 4. Wear on seats (look on bottom also) 5. S hooks opening 6. Rust on hardware and metals
Whirls (Miniature, One-Piece Platform, Scrambler, Xcelerator, Space, and Rotator)	<ol style="list-style-type: none"> 1. Wear on moving areas- floor and speed-limiter 2. 'Squeaky' bearings should be replaced 3. Distance to surfacing -there are distance requirements for floor heights to surfacing 4. Rust on hardware and metals 5. Paint wear
Spring Rocking Equipment (Adventure Mates, Buck-A-Bout, Cruisin' Mates, and SaddleMates)	<ol style="list-style-type: none"> 1. Wear on moving areas - spring assembly 2. Distance to surfacing - there are distance requirements for seating heights to surfacing 3. Rust on hardware and metals 4. Paint wear
Access Components, Bridges, Crawl Tubes, Platforms, Ramps, Panels, Roofs, and Signs	<ol style="list-style-type: none"> 1. Wear on high traffic areas 2. Rust on hardware and metals 3. Paint and coating wear

WHO DO WE CALL FOR REPLACEMENT PARTS?

GameTime
1.800.235.2440
www.gametime.com

It is extremely helpful for you to advise your original Game Time order number or at least digital photos of the equipment when inquiring about replacement parts.

WHO SHOULD INSTALL AND/OR MODIFY YOUR PLAYGROUND?

You may wish to require your installers to be a Certified National Playground Safety Inspector and/or Factory Certified. GameTime offers Factory Certified Installers. For further information on GameTime Certified Installers contact your local representative.

Before you ever begin to dig or move any earth in and or near a play environment it is of the utmost importance that you contact your local utility providers and request they come and mark all underground lines in the area. Electric power lines, natural gas pipelines, communications lines, and other utility services could be within a few feet of the surface. Digging into an underground electric line can cause power outages and personal injury from shock or electrocution. A damaged gas pipeline or service can create an explosion hazard that potentially endangers both persons and property. These underground utilities are not always located out in the street. So whether you are installing playground equipment or planting a tree, we encourage you to make the call.

USE ZONES

ASTM and CPSC have different requirements for some types of play equipment, such as slides. CPSC is “law” in some states and where this occurs, CPSC use zones should prevail. Sometimes, injuries occur due to falls onto sidewalks, loose-fill surfacing containment curbing, fences, etc. Additionally, many injuries have occurred by children running into other children, play equipment, fences, etc. The ASTM and the CPSC have developed requirements for use zones around and below play equipment. In general, the requirement calls for a **minimum of 6 feet** around the play equipment to be an open use zone. Certain types of equipment have different requirements so further investigation into this issue is required. Older equipment may have been installed prior to the current use zone requirements and should be relocated (or the other object can be moved) to comply with current requirements. The **entire** use zone should have an acceptable type of protective surfacing.

Swings

Multi-Axis Swings (Tire Swings) require 6ft use zone from the perimeter of the support structure. In the area inside the support structure (by the swing) a use zone of 6ft plus the distance of the length of the suspending members (Tire) is required. Refer to your GameTime installation instructions for exact dimensions. No other equipment may share the interior use zones for Multi-Axis Swings.

Single-Axis Swings require a 6ft Use Zone from the sides of the support structure. In the area where the swings move forward and backward the use zone must be 2 times the height of the pivot point (the area right below the swing beam). Refer to your GameTime installation instructions for exact dimensions. No other equipment may share the Use Zone to the front and back of the Single-Axis Swings, but another Single-Axis Swing (only a Single-Axis Swing or a Tot Swing) may share (3ft each for a total of 6ft) the side use zone.

Tot Swings require a 6ft Use Zone from the side of the support structure. In the area where the swings move forward and backward the use zone must be 2 times the height of the pivot point (the area right below the swing beam) to the underside of the seat. Refer to your GameTime installation instructions for exact dimensions. No other equipment may share the use zone to the front and back of the Tot Swings, but another Single-Axis/Tot Swing (only a Single-Axis Swing or a Tot Swing) may share (3ft each for a total of 6ft) the side use zone.

Slides

Slides require use zone in front of the slide a minimum of 6ft long. Slides that attach to platforms over 6ft in elevation have a use zone length in front of the slide equal to the platform height up to the maximum of 8ft. For further information about slide use zones, refer to the ASTM F1487 standard.

Vegetation

Many plants (such as trees and bushes) can enhance the play environment. It is important that when choosing and planting your vegetation that you keep in mind the use zones of the equipment, the roots of the plants, and that the plants will grow larger as they age. The ASTM has a section regarding overhead obstructions and in it that states: “Overhead obstructions within the use zone of playground equipment that are not part of the play structure (for example, tree limbs) shall be at least 84 in. (2130 mm) above each designated play surface or 84 in. (2130mm) above the pivot point of swings.

AGE APPROPRIATE EQUIPMENT

Throughout both the ASTM and the CPSC documents there are different requirements for (Preschool) 2-5 year old's equipment and (School-age) 5-12 year old's equipment. It is important that the equipment be designed and/or chosen for the correct user's ages. Signs located adjacent to the play equipment may give the user and/or caregiver direction to the correct user's age for a specific piece of equipment. If you need age appropriate signage for your GameTime playground equipment, call upon your local representative to discuss the several options available.

SUPERVISION

Throughout both the ASTM and the CPSC documents there are different requirements for (Preschool) 2-5 year old's equipment and (School-age) 5-12 year old's equipment. It is important that the equipment be designed and/or chosen for the correct user's ages. Signs located adjacent to the play equipment may give the user and/or caregiver direction to the correct user's age for a specific piece of equipment. If you need age appropriate signage for your GameTime playground equipment, call upon your local representative to discuss the several options available.

National Program for Playground Safety
School of HPELS, WRC 205
University of Northern Iowa
Cedar Falls, IA 50614-0618
Phone: 800-554-PLAY
E-mail: playground-safety@uni.edu
www.playgroundsafety.org

CERTIFIED PLAYGROUND SAFETY INSPECTOR

For more information on playground safety training and certification please contact the National Playground Safety Institute within the National Recreation and Park Association at the following address:

National Playground Safety Institute
C/O National Recreation and Park Association
22377 Belmont Ridge Road
Ashburn, VA 20148-4150
Phone: 703.858.0784
www.nrpa.org

150 PlayCore Drive, SE
Fort Payne, Alabama 35967
Telephone: 256.845.5610
Facsimile: 256.845.9361
Email: service@gametime.com



GAMETIME® WARRANTIES

GameTime provides warranties on all materials and workmanship for one year, excluding vandalism.

In addition, GameTime offers:

- ✓ Lifetime limited warranty on PowerScape®, PrimeTime®, Xscape® & IONiX® and Modern City® uprights.
- ✓ Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.
- ✓ Lifetime limited warranty on all hardware.
- ✓ Twenty-Year limited warranty on Timber Décor™ & Timbers recycled plastic lumber.
- ✓ Fifteen-Year limited warranty on metal decks, pipes, rungs, loops, braces, and footbucks.
- ✓ Fifteen-Year limited warranty on rotationally molded products.
- ✓ Fifteen-Year limited warranty on VistaRope nylon bearings and ring junction pieces.
- ✓ Ten-Year limited warranty on GTFit®, THRIVE® and Challenge Course® posts & bars.
- ✓ Ten-Year limited warranty on site furnishings against structural failure.
- ✓ Ten-Year limited warranty on SunBlox® products.
- ✓ Ten-Year limited warranty on fiberglass and DHPL signage.
- ✓ Ten-Year limited warranty on VistaRope WeaveTech cable components or freestanding cable events excluding premature wear.
- ✓ Five-Year limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield™.
- ✓ Five-Year limited warranty on all standard nylon nets on play systems, freestanding events, or fitness products, unless otherwise specified as a VistaRope.
- ✓ Five-Year limited warranty on GT Symphony Freenotes™ Harmony Park components.
- ✓ Five-Year limited warranty on Super Seats™.
- ✓ Five-Year limited warranty on premature wear of VistaRope cables.
- ✓ Three-Year limited warranty on Everybody Plays polyurea-coated foam & rubber strips.
- ✓ Three-Year limited warranty on SaddleMates® rubber and "C"-springs.
- ✓ Three-Year limited warranty on SureGrip Material.
- ✓ One-Year limited warranty on Challenge Course timing components.
- ✓ One-Year limited warranty on all other GameTime products.

All warranties specifically exclude damage caused by vandalism; negligence, improper installation, or improper use; changes in appearance resulting from weathering; scratches, dents or marring as a result of use. Warranties are valid only if products are installed and maintained in accordance with GameTime instructions and use approved parts.

LIMITED WARRANTY ON POWERSCAPE®, PRIMETIME®, XSCAPE®, IONiX®, and MODERN CITY®

GameTime provides a lifetime limited warranty on PowerScape Tru-Loc® connections, upright posts; and PrimeTime, IONiX, Xscape, and Modern City bolt-through connections; a fifteen-year warranty on metal decks, pipes, rails, loops, and rungs; ten-year limited warranty on EDPM rubber components. Three-year limited warranty on SureGrip rubber matting material against degradation and discoloration under normal wear and usage. These warranties cover damage due to failure or corrosion of metal parts or rubber breakdown that cause the product to become structurally unfit for its intended use. The lifetime warranty refers to the life of the product as defined below and covers the product under normal use and proper maintenance; see exclusions.

LIFETIME LIMITED WARRANTY ON HARDWARE

GameTime provides a lifetime limited warranty against structural failure due to breaking or shearing which causes the product to become structurally unfit for its intended use; a lifetime limited warranty on stainless steel hardware against rust; and a one-year limited warranty on non-stainless steel hardware against rust; see exclusions. All testing of GameTime's hardware is performed under the guidelines of ASTM B117. The lifetime warranty refers to the life of the product as defined below and covers the product under normal use and proper maintenance. The cost of replacement due to scratching or cutting of certain hardware plating is not included in this warranty.

FIFTEEN-YEAR LIMITED WARRANTY ON ROTOMOLDED PRODUCTS

GameTime provides a fifteen-year limited warranty on rotomolded polyethylene products and a ten-year limited warranty on polyethylene handholds for structural integrity against damage due to breaking or splitting under normal use that causes the product to become structurally unfit for its intended use; see exclusions. In the event of a claim under this warranty, GameTime will replace the rotomolded product at no cost to the customer.

TWENTY-YEAR LIMITED WARRANTY ON TIMBER DÉCOR™ AND TIMBERS PRODUCTS

GameTime provides a twenty-year limited warranty on recycled plastic lumber products in normal applications against rotting, splintering, decay, or structural damage directly from termites or fungal decay that cause the product to become structurally unfit for its intended use; see exclusions.

LIMITED WARRANTY ON STANDARD NET CLIMBERS AND COMPONENTS (UNLESS OTHERWISE SPECIFIED AS VISTAROEPE)

GameTime provides a five-year limited warranty on nylon-covered cable net climbers and components against structural failure caused by cable breakage; a five-year limited warranty on nylon-covered cable wear and deterioration resulting from defects in materials and workmanship; and a one-year limited warranty on nylon rope products. These warranties cover damage due to failure that causes the product to become structurally unfit for the intended use and **do not cover natural fraying of the material**; see exclusions.

LIMITED WARRANTY ON PLAYFUL LANDSCAPES

GameTime provides a five-year limited warranty on the Playful Landscapes HDPE frame against degradation under normal wear and usage and a two-year limited warranty on Poured-in-Place Rubber when applied in a Playful Landscapes (mound or hillside) application against loss of integrity due to rubber degradation, where Playful Landscapes are installed by certified GameTime installers following provided installation guidelines and finished with a minimum of 3" of GTImpax branded PIP.

LIMITED WARRANTY ON SUNBLOX® SHADE PRODUCTS

GameTime fabric canopies are warranted for sustained winds of up to 76 mph (Hurricane Force 1) and gusts of up to 3 seconds duration up to 90 mph. Removal of shade fabric is required if damaging winds are called for. Damage due to snow and/or ice accumulation is not covered by this warranty. Canopies should be removed during the "off-season". No signs, objects, ornaments, fans, lights, fixtures, or decorations may be hung from the top part of a shade structure unless specifically designed and engineered by the manufacturer for that purpose. If product has shade fabric and is installed in an area exposed to hurricanes, removal of the shade fabric is required when a hurricane warning is issued.

LIMITED WARRANTY ON SITE FURNISHINGS

GameTime provides a ten-year limited warranty on site furnishings against structural failure. These warranties cover damage due to failure or corrosion of metal parts that cause the product to become structurally unfit for the intended use; see exclusions.

GameTime provides a seven-year limited warranty on thermoplastic coated elements and a three-year limited warranty on powder coated elements. Powder coated products from the Streetscape Collection carry a five-year limited warranty. GameTime guarantees all items for one full year to be free of defects in workmanship or materials when installed and maintained properly. We agree to repair or replace, any items determined to be defective. Items specifically not covered by this warranty include vandalism, man-made or natural disasters, lack of maintenance, normal weathering or wear and tear due to public abuse.

GameTime provides a ten-year limited warranty on recycled plastic lumber products in normal applications against rotting, splintering, decay, or structural damage directly from termites or fungal decay that causes the product to become structurally unfit for its intended use; see exclusions. GameTime guarantees all materials and workmanship for ten years on any product made completely from our

100% Recycled Plastic. The guarantee excludes vandalism, improper use, product alterations, misuse, negligence, accident, theft, corrosion caused by chemicals, ice or snow damage, and acts of God.

GameTime provides a one-year limited warranty on IPE wood, redwood and pressure treated wood products against damage by decay or termites that causes the wood to become structurally unfit for its intended use.

LIMITED WARRANTY ON FIBERGLASS SIGNAGE

GameTime provides a ten-year limited warranty on fiberglass and digital high pressure laminate (DHPL) sign panels against delaminating, peeling, blistering, cracking, or fading.

LIMITED WARRANTY ON GT SYMPHONY COMPONENTS

GameTime provides a five-year limited warranty on GT Symphony Freenotes™ Harmony Park music components that render the products unusable for their intended use.

LIMITED WARRANTY ON TUFF FORMS, TUFFCRETE & POLYSHIELD THEMED PLAY SCULPTURES

GameTime provides a five-year limited warranty on TuffForms, TuffCrete and PolyShield themed play sculptures against structural failure that causes the product to become structurally unfit for the intended use and a one-year limited warranty on paint defects; see exclusions. This warranty does not cover damage resulting from ground settlement or high winds.

LIMITED WARRANTY ON FITNESS EQUIPMENT

GameTime provides a ten-year limited warranty on GTfit, THRIVE, and Challenge Course stationary posts, welds, and bars and a five-year limited warranty on GTfit motion posts, welds, and bars against structural failure; a five-year limited warranty on stainless damper modules and aluminum cycle covers; a two-year limited warranty on bearings, steel pins, dampers, plastics, rubber parts, cycle pedals, and shafts, molded seats, backrests and clamps; and a one-year limited warranty on cycle rib belts and powder coating and Challenge Course Timing Systems. These warranties cover damage due to failure or corrosion of metal parts that cause the product to become structurally unfit for the intended use; see exclusions.

LIMITED WARRANTY ON VISTAROPE WAVETECH CABLE COMPONENTS AND STRUCTURES

GameTime provides a Lifetime Warranty on uprights and hardware; a fifteen-year warranty on punched steel, pipes, rails, loops rungs, nylon bearings, ring junction pieces, and rotomolded pieces; ten-year limited warranty on cable breakage; five-year limited warranty on premature wear of poly cables; three-year limited warranty on SureGrip rubber matting material against degradation and discoloration under normal wear and usage. These warranties exclude cosmetic damages or defects and cover damage due to failure or corrosion of metal parts or rubber breakdown that cause the product to become structurally unfit for its intended use. The lifetime warranty refers to the life of the product as defined below and covers the product under normal use and proper maintenance.

FIVE-YEAR LIMITED WARRANTY ON HDPE PANELS

GameTime provides a five-year limited warranty on high density polyethylene (HDPE) panels against degradation and discoloration under normal wear and usage.

FIVE-YEAR LIMITED WARRANTY ON GAMETIME SUPER SEAT™

GameTime provides a five-year limited warranty on Model No. 949 SuperSeat and Model No. 999 Super Seat-2 against structural failure that causes the seat to become unfit for its intended use; see exclusions. The factory installed "S"-Hook and Seat Hanger assemblies are covered under a one-year limited warranty against rust, corrosion, or premature wear.

THREE-YEAR LIMITED WARRANTY ON RUBBER AND "C" SPRINGS FOR SADDLEMATES™

GameTime provides a three-year limited warranty on rubber and "C"-springs for SaddleMates against damage due to de-lamination of the rubber spring and breakage of the "C"-spring that causes the SaddleMate to become structurally unfit for its intended use; see exclusions.

For the purposes of this warranty, lifetime encompasses no specific term of years, but rather that Seller warrants to its original customer for as long as the original customer owns the Product and uses the Product for its intended purpose that the Product and all parts will be free from defects in material and manufacturing workmanship. To the extent permitted by law, these warranties are expressly in lieu of any other implied or expressed warranties or representation by any person, including any implied warranty of merchantability or fitness. These warranties provide valuable rights to you. No Sales Representative can modify or amend the terms of this warranty. GameTime excludes from these warranties the cost to remove parts and reinstall replacements; replacement due to cosmetic defects or coating deterioration caused by climatic conditions. Since warranty limitations and exclusions may vary from state to state, you should check any specific warranty rights in your state.

IMPORTANT NOTE FOR COASTAL ENVIRONMENTS: Saltwater is corrosive to materials used in the play environment. Products installed within 550 yards (503 meters) of a saltwater coastline will be covered for a maximum of five years, for defects caused by corrosion. Products that come into direct contact with salt spray are not covered for any defects caused by corrosion.

Claim Procedure: To make a warranty claim, send your written statement of claim, along with the original purchase invoice or invoice number to:

GameTime
Customer Service
P.O. Box 680121
Fort Payne, AL 35968
Fax: 256-845-9361
Email: service@gametime.com

Or Contact your local Representative at

USA 1-800-235-2440

International 01-256-845-5610

Within 60 days of notice of claim under warranty, GameTime will make arrangements to replace the damaged product. GameTime will cover freight costs within the continental United States. GameTime is not responsible for freight costs associated with products located outside the continental United States. GameTime reserves the right to inspect all product identified as damaged.

Date of Purchase: _____

Project: _____

Purchaser: _____

GameTime Order Number: _____

Authorized GameTime Signature

Title

See GameTime on the web at www.gametime.com

To obtain a "GENERAL CERTIFICATE of CONFORMITY" as required by the 'CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008" follow the link below and enter your seven-digit customer order number.

<http://cpsia.playcore.com>



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

READ BEFORE STARTING INSTALLATION

THE FOLLOWING WARNINGS CONTAIN GENERAL INFORMATION WHICH IS INTENDED TO MAKE OUR PARKS AND PLAYGROUNDS SAFER. PLEASE REVIEW IT CAREFULLY TO ASSIST YOU IN YOUR INSTALLATION, SUPERVISION, AND MAINTANENCE EFFORTS. THE WARNINGS ARE NOT TO BE CONSIDERED AN ALL INCLUSIVE LIST. IT IS STRONGLY RECOMMENDED THAT THE ASTM 1487 STANDARD AND THE CPSC GUIDELINES OR THE CANADIAN STANDARD CAN/CSA-Z-614 BE STUDIED AND USED IN YOUR PLAYGROUND SAFETY EFFORTS.

The Owner/Operator shall install and maintain protective surfacing within the use zone (U.S.) or protective surfacing zone (Canada) of all play equipment to comply with ASTM F-1292 and ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (Canada).

The Owner/Operator shall maintain the protective surfacing within the use zone of each play structure free from extraneous materials that could cause injury, infection, or disease.

PROTECTIVE SURFACING

The surfaces under and around play equipment should be soft enough to cushion falls. For most play equipment, these surfaces should contain a minimum of 12 inches of wood chips, mulch, sand, or pea gravel. For more information on the proper surfacing materials, call the CPSC hotline at 1-800-638-2772.



WARNING

Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury from falls.

Soft, resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. Product Safety Commission, ASTM standard F-1487 and Canadian Standard CAN/CSA-Z-614. Equipment should be placed to eliminate conflicting traffic patterns.

Worn surfaces around equipment should be restored. Concrete footing should never be exposed. Surface depth should comply with installation instructions. Never install playground equipment on concrete or asphalt. A fall on a hard surface can result in serious injury to the equipment user.

Check for erosion and cratering of surfaces under swings, slides, and heavy traffic areas and restore surfacing as necessary.

Surfacing leading to play opportunities for children with disabilities should be firm, stable, slip resistant, and resilient.

FALL ZONES

Overhead obstructions within the use zones of playground equipment that are not part of the play structure (for example, tree limbs) shall be at least 84 inches (2130 mm) above each designated play surface or 84 inches (2130 mm) above the pivot point of swings.

All overhead utility line clearances above the use zone areas shall comply with all local, state, and national codes, such as the National Electrical Safety Code. For specific equipment fall zone requirements, refer to the CPSC and ASTM 1487 and use the more stringent of the two.

EQUIPMENT SPACING

Play structures should be at least 12 feet apart to allow children space to circulate or fall without striking another structure. Moving pieces of equipment should be located in an area away from other play structures so children have adequate room to pass from one play area to another without being struck by a moving swing or by another child exiting from a slide.

Because metal slides left in the sun can cause burns, they should be placed in shaded areas or with the slide bedway facing north. Placing metal slides in a shaded location will help prevent them from reflecting the glare of the sun and interfering with children's vision.

CATCH POINTS AND PROTRUDING HARDWARE

There should be no dangerous pieces of hardware, such as protruding bolt ends and narrow gaps in metal connections or open "S" hooks at the top and bottom of swings. Exposed hardware can cut children, puncture skin, or catch clothing drawstrings, which could strangle a child.

All protruding nuts and bolts should be eliminated; sharp edges on pipes should be capped or removed. Check for bent, broken, or severely worn pipe and replace.

Examine slide bedways, bedrails, handrails and exits for foreign objects, holes, and rough edges.

OPENINGS THAT CAN TRAP

Openings in guardrails, spaces between platforms and between ladder rungs, should measure less than 3.5 inches or more than 9 inches. Children can get trapped and strangle in openings where they can fit their bodies but not their heads through the space.

CRUSH, SHEARING, AND SHARP HAZARDS

Equipment should not have sharp points or edges that could cut skin. Moving pieces of equipment, such as suspension bridges, track rides, merry go rounds, or seesaws, should not have accessible moving parts that might crush a child's fingers.

Check to be sure all fittings are tight and that the bars and pipes do not move. Be sure that there are not accessible crush or shear mechanisms on the undercarriage of the equipment or in the center of the whirl platform. Check for and eliminate sharp edges on whirl platforms.

TRIPPING HAZARDS

There should be no exposed concrete footings, abrupt changes in surface elevations, tree roots, tree stumps, and rocks, which can trip children and adults.

Check for trip hazards, such as the balance beam support posts, or environmental trip hazards, such as rocks or roots in the play area. Make all necessary improvements or repairs.

ROUTINE MAINTENANCE

The Owner/Operator shall establish and maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment area.

Find out if your playground has a designated official who periodically inspects the play equipment for preventative maintenance. This includes: replacing missing, broken or worn-out components; securing hardware; checking for deterioration in the wood, metal, or plastic materials; maintaining the proper 12 inch depth of surfacing material; and cleaning up debris.

Regular maintenance is necessary on all park and playground equipment:

- Check for and repair damage caused by wear or vandalism, a major factor in injury causing situations.
- Check wood equipment for decay, termites, splintering, and cracking. Repair or replace when needed.
- Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, setscrews and other hardware.
- All equipment should be free of rust and repainted with an appropriate lead free paint whenever necessary to deter rusting. This should also be done for any chipped or peeling areas.

- Regular checking of all parts, casting, etc., should be made. If part is broken or worn it should be replaced immediately.
- Check for loose spring castings and tighten.
- Check for missing or broken parts, rungs, or steps and repair as necessary.
- Replace worn or damaged belt seats or other swing seats.
- Check for worn chains and replace them as needed.
- Check to be sure there is free movement of swing hanger and other moving attached parts.
- Check the vertical distance between the underside of the occupied swing seat and the protective surface. It should measure no less than 12 inches. Adjust swing seat height as necessary.
- Check for deformation of open "S" hooks, shackles, rings, links, etc. Check "S" hooks for excessive wear, making sure they are properly closed; never reuse an "S" hook. -Check for worn swing hangers and chain. When these areas are identified, replacements should be made.
- Check for missing, damaged, or loose swing seats. Check rubber seats for wear, sharp edges/points, scorching, or burn damage. Repair and replace as needed.
- Check for swing chain wrapped around top rail and if found, unwrap. Replace chains as necessary.
- Check for hard surfaces, especially under swings, slides, etc. Refer to CPSC surfacing requirements.
- Check for surfacing material that is worn or scattered and restore.
- Debris, broken glass, trash, or other foreign objects within or on the play area/equipment should be removed.
- Check for poor drainage areas and repair.
- Check concrete footings to see if they are exposed, cracked, or loose in the ground and repair as necessary.
- Check for proper grease in tire swing assemblies and lubricate as necessary.
- Check drainage holes in tire swing tires for blockage and remove debris as necessary.
- Check for lack of lubrication on all moving parts and lubricate as needed.
- Check crush points (exposed mechanisms, junctures of moving components) and eliminate.
- Check for broken support/anchors. Stability in ground, structures should not be easily swayed; connections should be solid and adequately secured.
- Check all posts (wood and steel) in ground for corrosion or rot below grade.
- When flexible components are anchored in the ground, check and make sure anchoring devices are below the level of the playground.
- Check for worn or noisy bearings on whirls and other all other moving equipment. If needed, replace with new ones. Most whirls have two bearings. It is good practice to replace both bearings at the same time.
- Check for up and down motion of whirl platform, which may indicate excessive bearing wear.
- Check for wearing away and erosion of the surface around the whirl and restore if needed.
- Check exit areas of slides. The exit area should be no more than 11 inches from the protective surface for slides under 4 feet high. For slides over 4 feet high, the height of the exit region from the surface should be between 7 and 15 inches.
- Check the surface area around slide exit for erosion and other damage and repair if necessary.
- Check for visible cracks, bending, warping, rusting, or breakage of any component and repair as needed.
- Check for accessible sharp edges or points. Check for protruding bars, bolts, nuts, etc. Eliminate these conditions.
- Check for exposed ends of tubing that should be covered with plugs or caps.
- Check for loose bolts, nuts, etc. and tighten.
- Check for broken or missing rails, steps, rungs, or seats and replace.
- Replace broken springs and seats on spring animals, buck-a-bouts and other similar play events.
- Check non-rigid climbing components, such as net or chain climbers, to ascertain that both ends are securely anchored.

SUPERVISION

The play area should be designed so that adults can observe and supervise children at play.

GENERAL

Always follow installation instructions when assembling equipment. GameTime® provides its customers with complete specification sheets and installation instructions. The specification sheet contains the listing of every part used in a piece of equipment.

Never add components not intended for use with this product.

Check overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.

Replace all worn "S" hooks. "S" hooks must be completely closed. To close "S" hooks properly, use GameTime® "S" hook pliers. Failure to close "S" hooks properly can result in serious injury to the user. Never reuse "S" hooks.

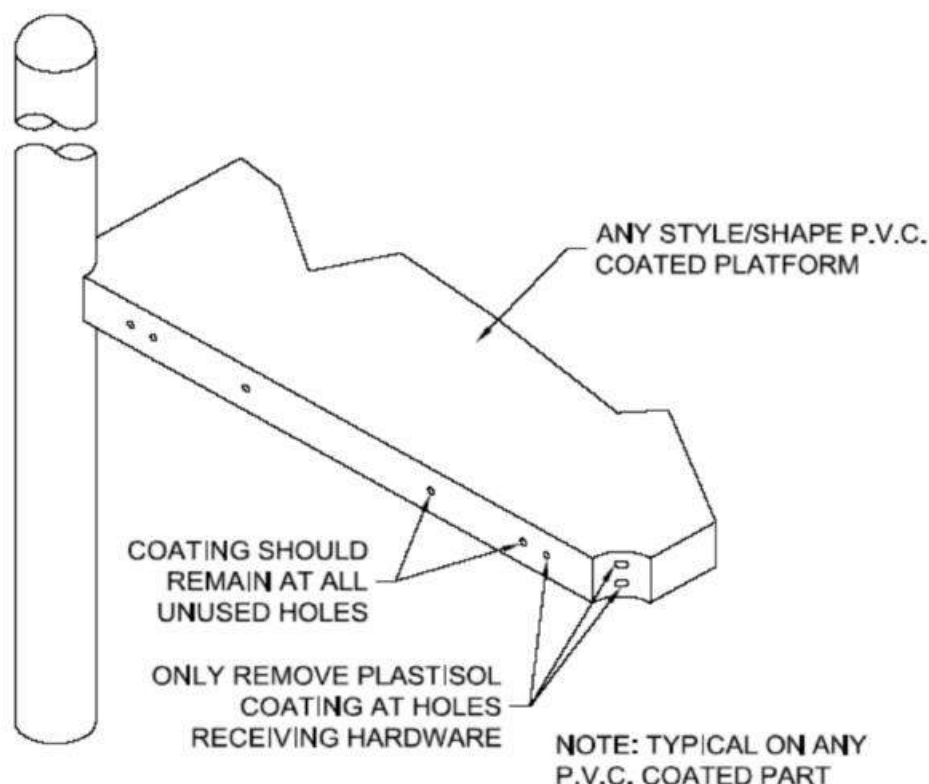
Assemble all slides on level ground to insure proper exit height of slide bed way. The exit portion of the bed way should slope downward.

Segments of whirl platforms should be continuous. Tighten bolts if segments allow a 5/16 diameter rod to penetrate completely through the surface.



Apply Loctite type compound to hardware connections if locking patch is not supplied.

Equipment that is identified as having hazards should be taken out of use until hazards are removed and all necessary repairs are made.

WARNING: During installation, hardware and small parts are choking hazards for young children. Store unused parts appropriately until assembly is completed. Remove any unused parts from the play environment and dispose of or save them in a secure location.



USING THE INSTALLATION GUIDE AND OWNER'S MANUAL

- We assemble each Installation Guide and Owner's Manual to include the components on your composite structure. Review the entire customized booklet before beginning the installation.
- Familiarize yourself with the Topview and Ground Plan before determining the equipment orientation on your site.
- Modular play components and decks are defined with a corresponding five digit "Component Number".
- Cross-reference the "Component Number" on the Topview with the individual installation sheet. Each modular play component has its own specialized installation sheet. The installation sheets are in numerical order, in the front portion of the booklet.
- The Topview shows the deck component number and the height reference (representing the distance from the top of the resilient surfacing to the top of the deck).
- Once the proper deck has been identified, find its installation sheet. The installation sheet will always have an isometric view of that item for easy identification, and a Topview that is on a one inch equals ten feet (1:120) scale.
- Each installation sheet has its own parts list identifying all parts that will be supplied with that particular component. Also, a Ground Plan for that component will be on the installation sheet for a quick cross-reference to help avoid any confusion in the location of the ground holes.
- The Assembly Drawing will identify each part number and reference the details needed for the hardware connections.
- Each connection detail is shown in the back portion of each component section of your customized installation guide (or Owner's Manual). The details are in numerical order. Some of the newer components (PowerScape Plus) will have details included on the component installation sheet.
- The details are shown in an "exploded" drawing identifying the part and corresponding six-digit part number. The details also show the correct orientation and alignment of the parts.
- If provided, special notes will be shown on each individual detail.
- It is critical that the hardware is aligned as shown on each individual detail.
- The details will be identified on the assembly drawing by a number inside a hexagon, pointing to the place where they are to be used. Example: 
- The numbers contained within the circles correspond to the reference number in the replacement parts list. This identifies the parts or assembly needed and their proper location. Each modular play component is indexed in this fashion. Example: 
- Each Assembly Drawing will be indexed in the same fashion with the part numbers referenced in a circle or balloon and each detail in a hexagon with a line pointing to the exact location of the items referenced. The parts list also references the six-digit part number that will appear on the bar code label attached to the parts.
- More elaborate and difficult components will include written assembly instructions.

UPRIGHT IDENTIFICATION

1. Each upright is identified in a rectangular box on the Topview.
2. Refer to the deck (5 digit) component number on the installation sheets and cross-reference to the modular Topview.
3. The upright label is strategically placed at the factory identifying the six digit part number referenced on the Topview.
4. Align the vertical "tick" mark on the upright label with the arrowheads shown in the corners of the deck on the Topview. This shows the highest deck connection inserts for deck-to-upright orientation.
5. The bold horizontal line represents the top of the installed surface material.
6. The upright label also lists the color, your GameTime® order number and the production date. This information will be very important in future communications with your GameTime representative.

ASSEMBLY SUGGESTIONS AND IMPORTANT NOTES

1. Check local soil conditions and building codes. Hole sizes are a recommended minimum and may need to be increased to meet your local conditions and codes.
2. A transit or builders level should be used to set location and depth of ground holes. Proper assembly requires the bottoms of the ground holes to be level with each other.
3. Determine the type and depth of surface material that will be installed. All footings are designed for 12 inches of surfacing. Any depth (more or less) will require field adjustment of all footings.
4. During construction, the site and materials should be secured to keep children safe from injury. Temporary barricades should be used on unprotected openings of incomplete structures.
5. Begin erection of the equipment by lying out, digging and leveling the ground holes.
6. Start assembly by fastening the uprights to the decks.
7. Do not fully tighten fasteners until the unit is completely assembled. Do not tighten bolts in deck corners until the play components are installed.
8. Plumb the uprights at each opening before attaching the enclosure or archway.
9. Concrete requirements shown on the installation sheets are calculated per GameTime® standard footings (see detail 005). Any footing variation will affect concrete totals. Canadian Standard CAN/CSA-Z-614 requires footings to have smooth sides and no flare at the top and shall be located below the full depth of the protective surfacing.
10. Pour the concrete only after assembly is completed, decks are leveled, uprights are plumbed and aligned, and all hardware is tightened.
11. Required protective surfacing should be completed immediately following installation. The playground should not be opened until the surfacing is completed.
12. Properly dispose of waste material. The playground should be inspected to insure that all injurious materials and waste from construction have been removed prior to the playground being opened.



TIPS FOR PUBLIC PLAYGROUND SAFETY

Each year, about 200,000 children are treated in U.S. hospital emergency rooms for playground equipment-related injuries. And estimated 148,000 of these injuries involve public playground equipment and an estimated 51,000 involve home playground equipment. Also, about 15 children die each year as a result of playground equipment-related incidents. Most of the injuries are the result of falls. These are primarily falls to the ground below the equipment, but falls from one piece of equipment to another are also reported. Most of the deaths are due to strangulations or falls.

The U.S. Consumer Product Safety Commission (CPSC) offers consumers the following playground safety tips from its **Handbook for Public Playground Safety**.

1. Protective Surfacing- Since almost 60% of all injuries are caused by falls to the ground, protective surfacing under and around all playground equipment is the most critical safety factor on playgrounds.

- Asphalt and concrete are unacceptable. They do not have any shock absorbing properties. Similarly, grass and turf should not be used. Their ability to absorb shock during a fall can be reduced considerably through wear and environmental conditions
- Certain loose-fill surfacing materials are acceptable, such as the types and depths shown in the table below.
- Certain manufactured synthetic surfaces are also acceptable; however, test data on shock absorbing performance should be requested from the manufacturer.

Fall Height In Feet From Which A Life-Threatening Head Injury Would Not Be Expected			
Type of Material	6" Depth	9" Depth	12" Depth
Double Shredded Bark Mulch	6	10	11
Wood Chips	6	7	12
Fine Sand	5	5	9
Fine Gravel	6	7	10

2. Fall Zones- A fall zone, covered with a protective surfacing material, is essential under and around equipment where a child might fall. This area should be free of other equipment and obstacles onto which a child might fall.

- Stationary climbing equipment and slides should have a fall zone extending a minimum of 6 feet in all directions from the perimeter of the equipment.
- Swings should have a fall zone extending a minimum of 6 feet from the outer edge of the support structure on each side. The fall zone in front and back of the swing should extend out a minimum distance of twice the height of the swing as measured from the ground to the top of the swing support structure.

3. Swing Spacing- To prevent injuries from impact with moving swings, swings should not be too close together or too close to support structures. No more than two swing seats should be suspended in the same section or bay of the support structure. Use the following clearances for conventional to-fro swings:

Fact Sheet

U.S. Consumer
Product Safety
Commission

Washington D.C.
20207

Hotline:
1-800-638-2772



1.800.235.2440 | gametime.com

- Horizontal distance between adjacent swing seats (at least 24")
- Horizontal distance between swing seat and adjacent structural component (at least 30")
- No more than one tire swing suspended in same section or bay of support structure. Distance between the outermost edge of a tire swing and the adjacent upright of the support structure should be at least 30" when the tire swing is swung to a position closest to the support structure.
- No swings attached to multi-activity equipment
- No heavy animal swings with rigid metal framework

4. Elevated Surfaces- Platforms more than 30" above ground should have guardrails to prevent falls.

5. Potential Head Entrapment Hazards- In general, openings that are closed on all sides should be less than 3 ½" or greater than 9". Openings that are between 3 ½" and 9" present a head entrapment hazard because they are large enough to permit a child's body to go through, but are too small to prevent the head to go through. When children enter such openings feet first, they may become entrapped at the head and strangled.

6. Potential Entanglement Hazards- Open "S" hooks, especially on swings, and any protrusions or equipment components/hardware which may act as hooks or catch points can catch children's clothing and cause strangulation incidents. Close "S" hooks as tightly as possible and eliminate protrusions or catch points on playground equipment.

7. Pinch or Crush Points- There should be no exposed moving parts, which may present a pinching or crushing hazard.

8. Playground Maintenance- Playgrounds should be inspected on a regular basis. If any of the following conditions are noted, they should be removed, corrected, or repaired immediately to prevent injuries:

- Hardware that is loose or worn, or that has protrusions or projections
- Exposed equipment footings
- Scattered debris, litter, rocks, or tree roots
- Rust and chipped paint on metal components
- Splinters, large cracks, and decayed wood components
- Deterioration and corrosion on structural components that connect to the ground
- Missing or damaged equipment components, such as handholds, guardrails, and swing seats

To report a dangerous product or a product related injury and for information on CPSC's fax-on-demand service, call CPSC's hotline at (800) 635-2772 or CPSC's teletypewriter at (800) 635-8270. To order a press release through fax-on-demand, call (301) 504-0051 from the handset of your fax machine and enter the release number. Consumers can obtain releases and recall information via the Internet gopher services at cpsc.gov or report product hazards to info@cpsc.gov.

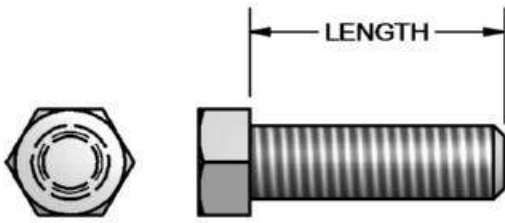
For more detailed information on playground safety, refer to the CPSC's Handbook for Public Playground Safety. To obtain a copy, send a postcard with your name, address, and name of the publication desired to: U.S. Consumer Product Safety Commission, Washington, D.C. 20207.

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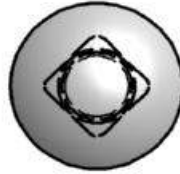
TYPICAL HARDWARE KEY

(FOR IDENTIFICATION OF PARTS)

NOTE: ALL BOLT AND SCREW LENGTHS ARE DETERMINED
BY SHAFT LENGTH, AS DIMENSIONED BELOW



HEX HEAD BOLT



CARRIAGE BOLT

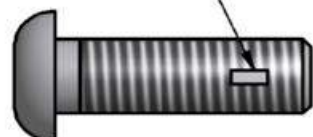


BUTTON HEAD CAP SCREW
(B.H.C.S.)

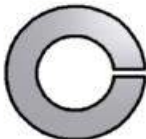
PIN-IN HEAD



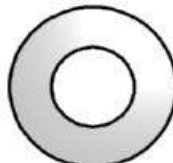
EPOXY PATCH



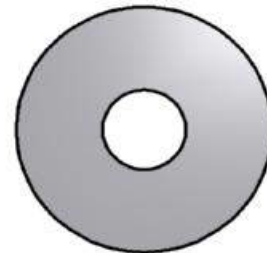
PIN-IN BUTTON HEAD CAP SCREW w/
PATCH (P.B.H.C.S. w/PATCH)



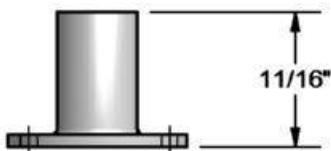
3/8" LOCKWASHER
(817334)



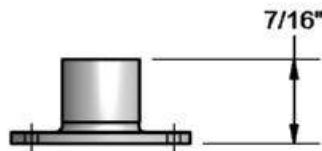
3/8" FLATWASHER
(817410)



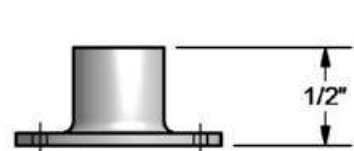
3/8" FLATWASHER
(1 1/4" O.D.)
(817424)



5/16" SPANNER TEE-NUT
LONG BARREL
(804555)



5/16" SPANNER TEE-NUT
SHORT BARREL
(804558)



3/8" SPANNER
TEE-NUT
(804556)

TOOL LIST FOR YOUR GAMETIME® PLAYGROUND INSTALLATION

WARNING: Installation of playground equipment over a hard surface such as concrete, asphalt, or packed earth may result in serious injury from falls.

- | | |
|--|--|
| <input type="checkbox"/> Transit or Builder's Level & Rod | <input type="checkbox"/> 3/8" Drive to 1/4" Quick Change Socket |
| <input type="checkbox"/> Stakes, String, Marking Paint | <input type="checkbox"/> Rubber Hammer |
| <input type="checkbox"/> Post Hole Digger or Auger | <input type="checkbox"/> Tie-Down Straps or 6" Quick Grips |
| <input type="checkbox"/> Wheel Barrow | <input type="checkbox"/> 4' Level |
| <input type="checkbox"/> Utility Knives | <input type="checkbox"/> Cordless Drill and Assorted Size Drill Bits up to 17/32" or Electric Drill with Extension Cords |
| <input type="checkbox"/> Tape Measures | <input type="checkbox"/> Power Source (Generator or Outlet) |
| <input type="checkbox"/> Rock Bar | <input type="checkbox"/> Concrete Truck or Mixer (at end of job) |
| <input type="checkbox"/> Round Point Shovels | <input type="checkbox"/> Sledge Hammer (for driving stakes if installing play curbs) |
| <input type="checkbox"/> Hoes | <input type="checkbox"/> Bolt Cutters (for chain adjustment if installing swings) |
| <input type="checkbox"/> Rakes | <input type="checkbox"/> S-Hook Pliers (if installing swings, chain net climbers, trapeze bars or rings) |
| <input type="checkbox"/> 6' Step Ladder (not required for a TotTime or KidCourse unit) | |
| <input type="checkbox"/> 8' or 12' Step Ladder (if unit has roofs) | |
| <input type="checkbox"/> Bricks or Blocks for the bottom of the ground holes | |
| <input type="checkbox"/> Adjustable Wrench | |
| <input type="checkbox"/> Channel Lock Pliers | |
| <input type="checkbox"/> Vise Grip Pliers | |
| <input type="checkbox"/> Line-Up Tool or "Drift Pin" | |
| <input type="checkbox"/> Ratchets and Socket Set | |
| <input type="checkbox"/> Rat Tail File | |

IMPORTANT NOTE: Please call your utility companies before you start digging in order to help prevent any damage to power, water, or gas lines.

PowerScape®

GameTime®

A PLAYCORE Company

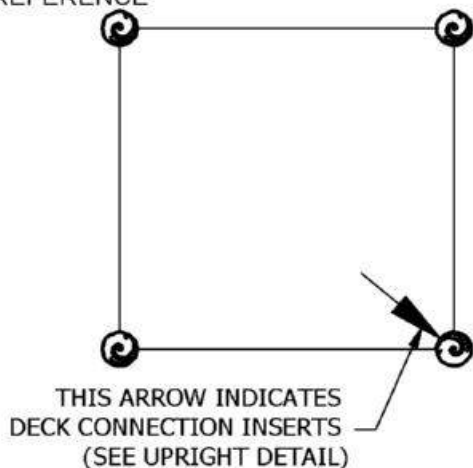
1-800-235-2440

ISSUED/REVISED: 3/14/2018

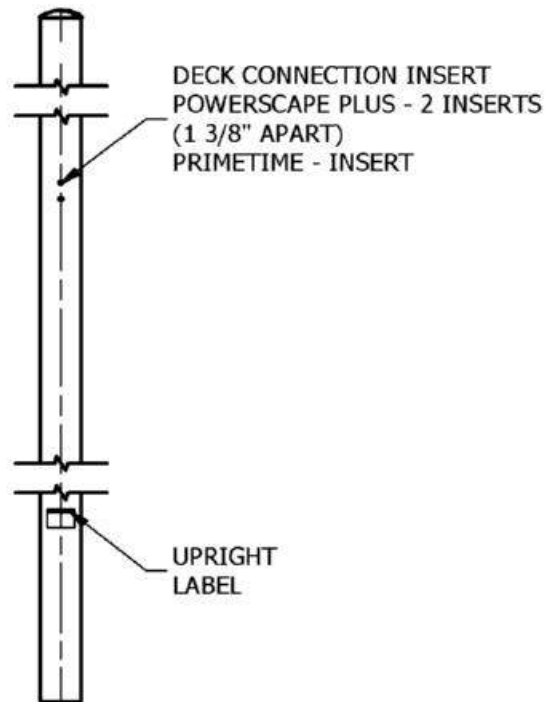
UPRIGHT LABEL DETAIL

⬡ = INSTALLATION
DETAIL

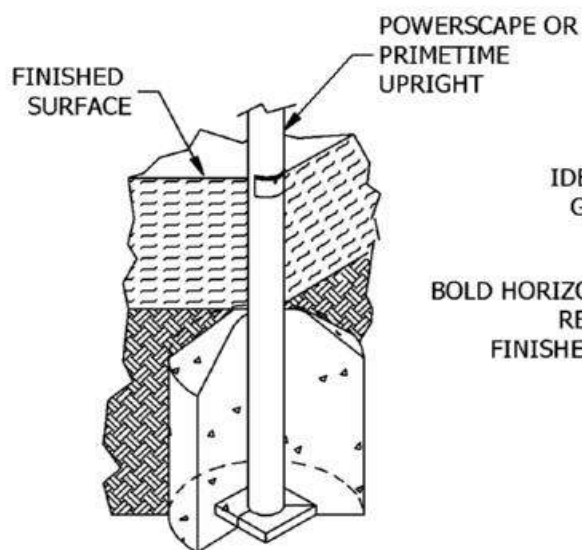
○ = PARTS LIST
REFERENCE



**MODULAR TOP VIEW
REFERENCE**



UPRIGHT DETAIL

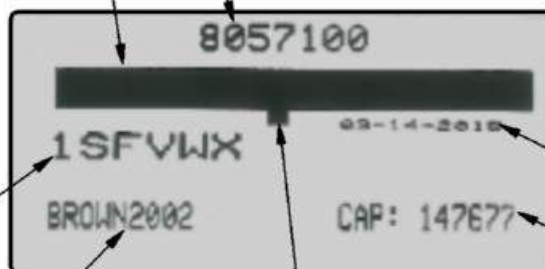


IDENTIFICATION OF
GAMETIME ORDER
NUMBER

BOLD HORIZONTAL LINE
REPRESENTS
FINISHED SURFACE

UPRIGHT PART
NUMBER

UPRIGHT COLOR



PRODUCTION
DATE

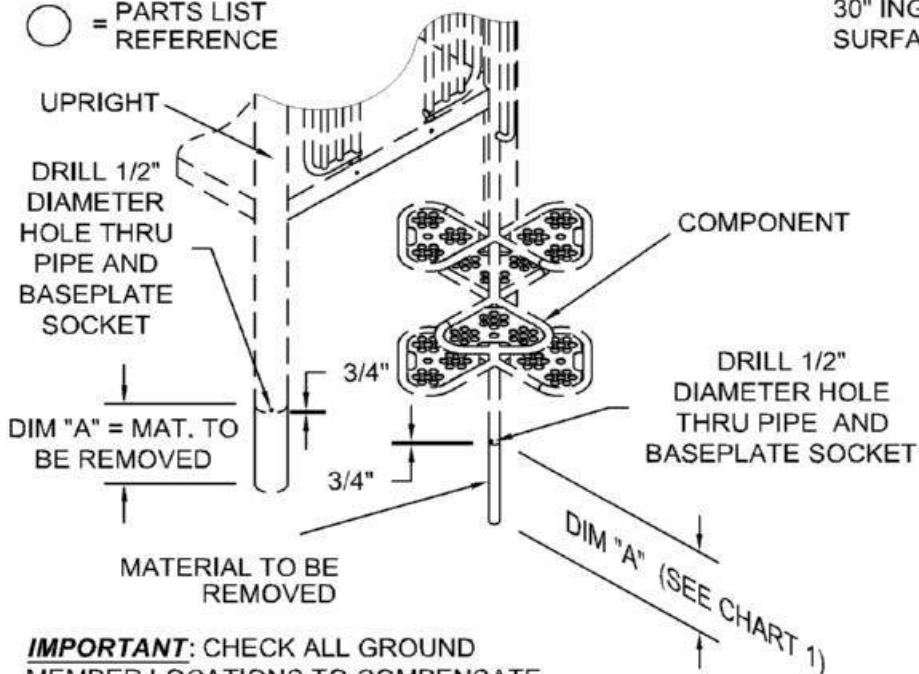
UPRIGHT CAP
NUMBER

SMALL THICK LINE INDICATES
VERTICAL ALIGNMENT WITH DECK ORIGIN.
(THIS IS NOTED ON UNIT
TOP VIEW WITH A ARROWHEAD,
FOR PROPER ROTATION OF UPRIGHT.)

SURFACE MOUNT INSTALLATION INSTRUCTIONS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



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

DETAIL 1

(FOR SURFACE MOUNT INSTALLATIONS)

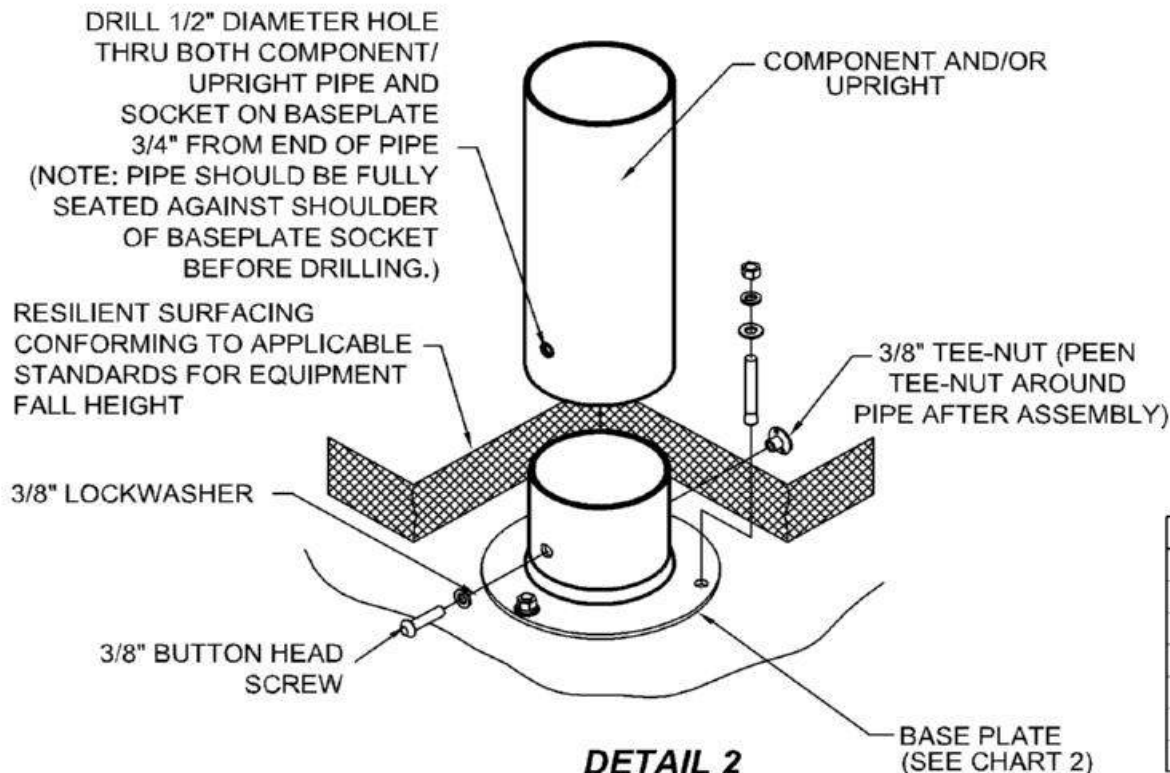
NOTE: 2", 8", 12" LENGTH INDICATES THE SURFACING DEPTH. ALL COMPONENTS ARE SHIPPED AS STANDARD 30" INGROUND LENGTH. (18" DEEP HOLES & 12" SURFACING)

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"
12"	18 11/16"	12 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 2

(SURFACE MOUNT PLATES)

CHART 2

O.D.	BASE PLATE
1 5/16"	152850
1 5/8"	152851
1 7/8"	152852
2 3/8"	152853
2 7/8"	152854
3 1/2"	152856
5"	152855

SURFACE MOUNTS 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 Surface 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 2", 8", 12" surface mount only.) **Note:** Debur and remove any sharp edges on part after cut is made.
4. Drill 1/2" diameter hole through component/uprights and baseplate socket 3/4" from end of pipe. The pipe should be fully seated against the neck of the socket before drilling holes.
5. Attach Component to base plate at shown in **DETAIL 2**. See **CHART 2** for the specific base plate required for the diameter pipe being used. (Required to 2", 8", 12" Surface mount only.)

IMPORTANT: Some components such as slides, chinnings 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 existing concrete to allow for concrete footing. Review your standard installation sheet for correct size and location of cored hole. See Detail 3.

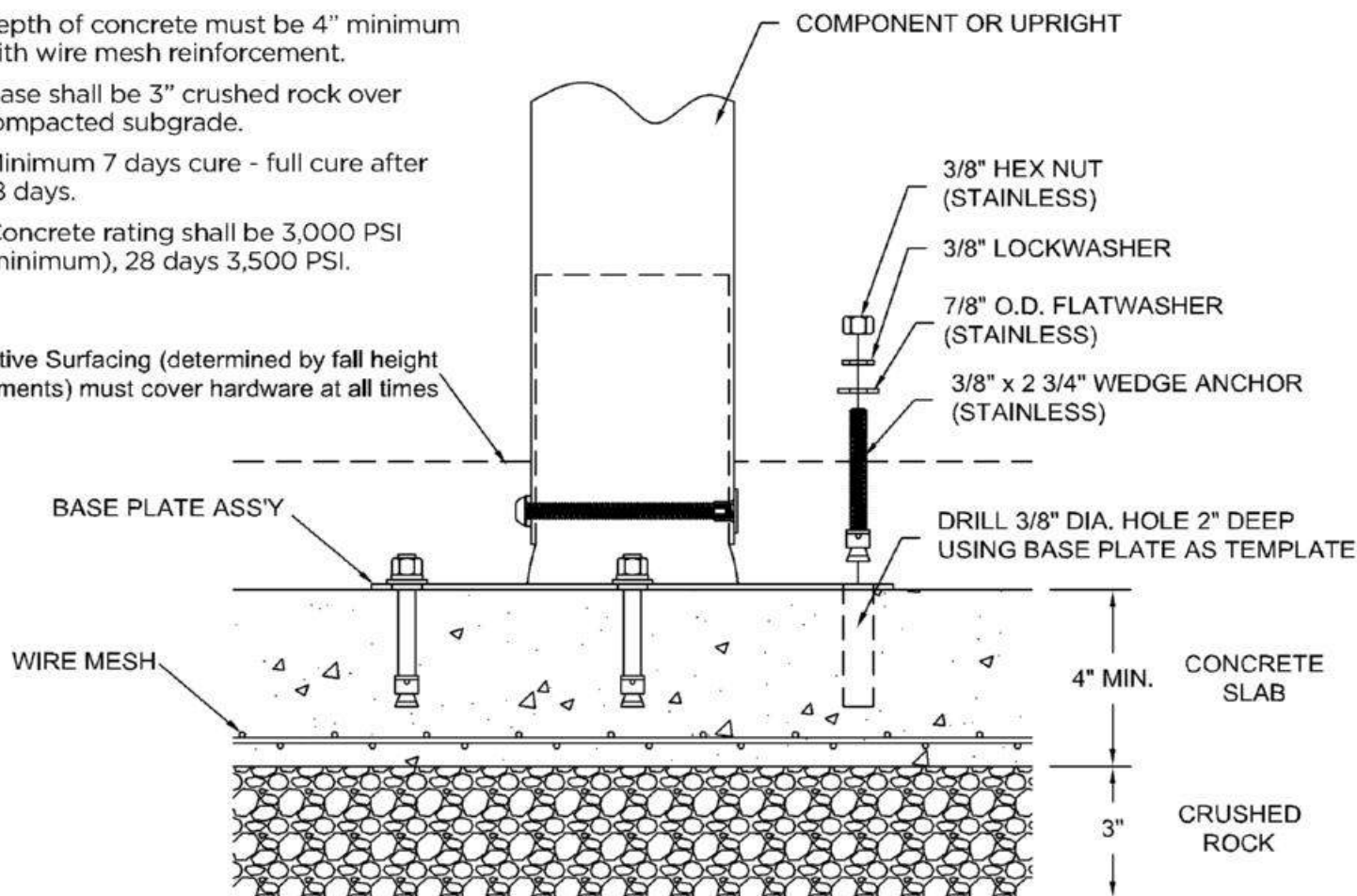
NOTE: Core holes can be created prior concrete pour by using pilling forms to create a void when pouring. See Detail 4.

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

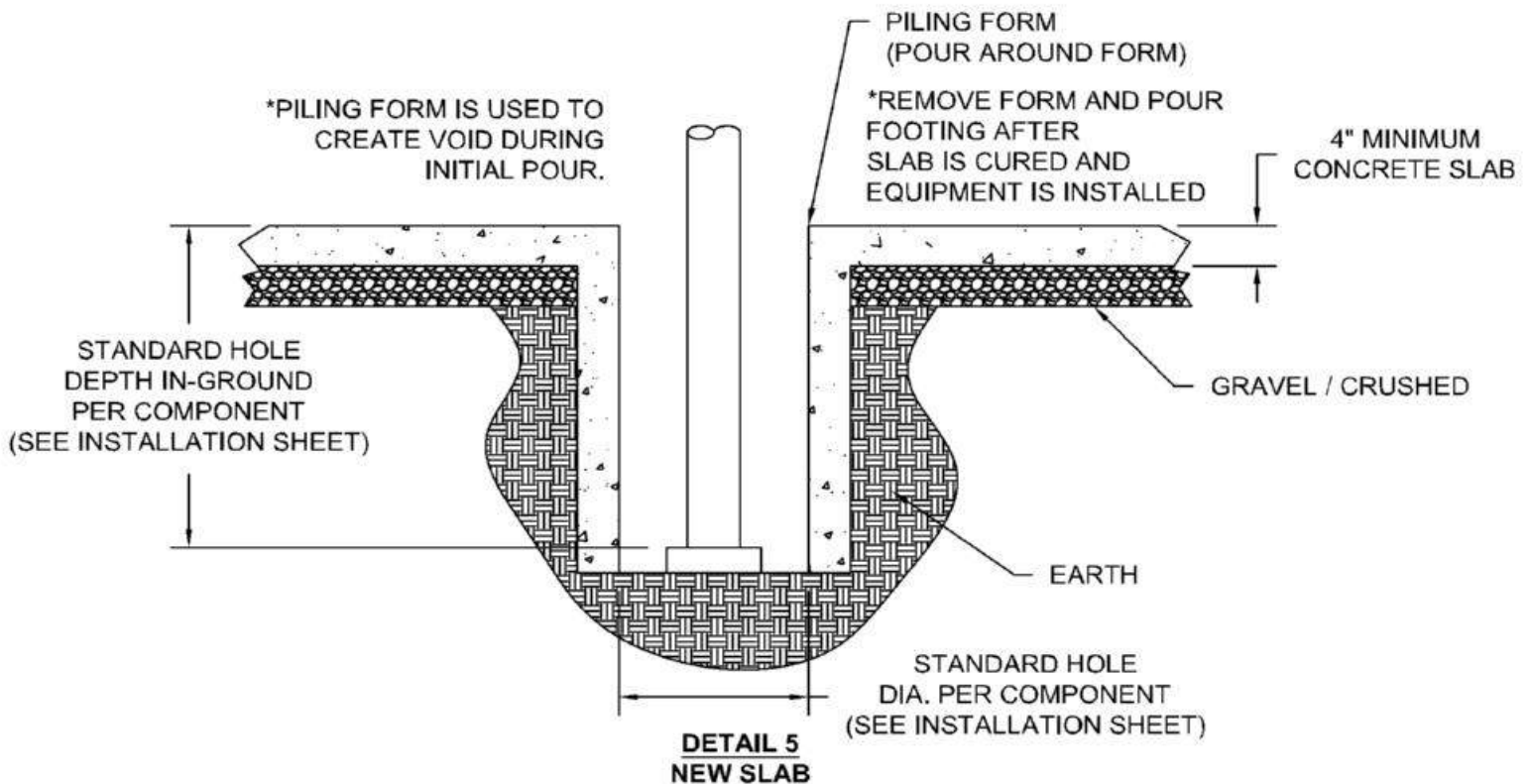
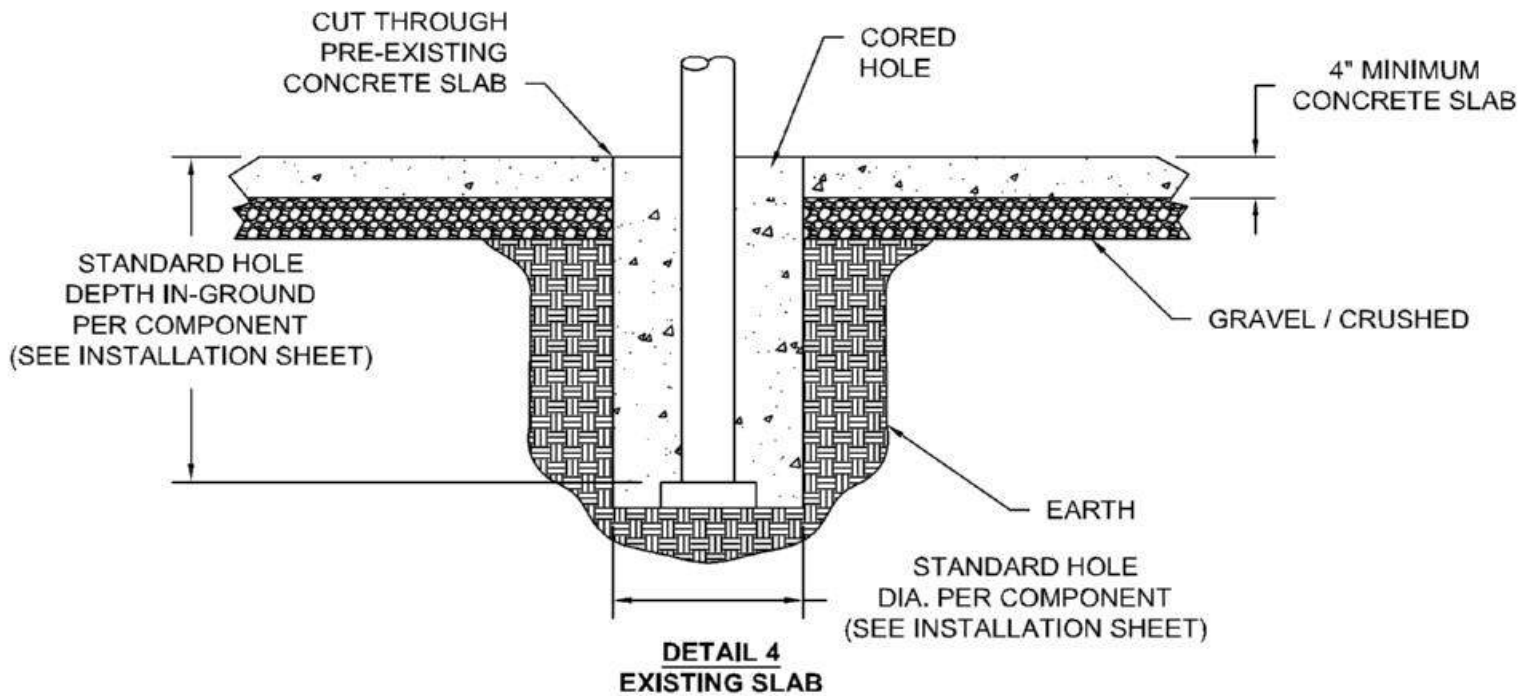
CONCRETE SPECIFICATIONS

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.

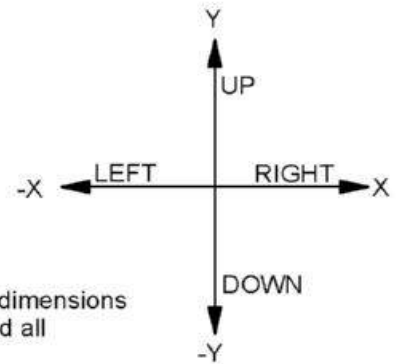
Protective Surfacing (determined by fall height requirements) must cover hardware at all times



DETAIL 3
SIDE VIEW OF
SURFACE MOUNT



GROUND PLAN INSTRUCTIONS



Equipment needed: 300' measuring tape (3) and marking paint.

First locate the X, Y Locator on your customized ground plan. This is the start point which all dimensions are pulled from. Next verify that its location on your site allows for a sufficient use zone around all equipment prior to laying out ground holes.

Please refer to the example provided below for instructions on how to determine ground hole placement.

START POINT (X, Y Locator)

-In this example the center of Hole #3 is the location of the X,Y Locator (start point). You can tell this is the start point by noting that all three dimensions in the Footings Ordinate Table for this hole are 0' -0".

HOLE #1

-Place the end of 300' tape at the start point (X, Y Locator) and secure it to the ground. Extend the tape running in the "-X" direction (left) and use this as a base line. Sometimes it will be required to extend the tape in the "Y" direction as a base line. Refer to your customized ground plan to make that determination.

-Once the 300' tape is placed on the ground, locate Hole #1 in the Footings Ordinate Table to find the "X" dimension (-3' 0") for Hole # 1. The tape on the ground represents the "X" direction in the Footing Ordinate Table.

-In this example there is no "Y" dimension since Hole #1 is in line with Hole #3. Therefore the center of Hole #1 is found using the "X" dimension only.

HOLE #2

-Locate Hole #2 in the Footings Ordinate Table to find the "X" dimension (-3'-0") for Hole #2. Measure that dimension on the "X" base line tape that was established during location of Hole # 1.

-With a second tape start at the "X" dimension and go in the "-Y" direction the distance specified in the "Y" column (-4'-0") of the Footings Ordinate Table for Hole #2.

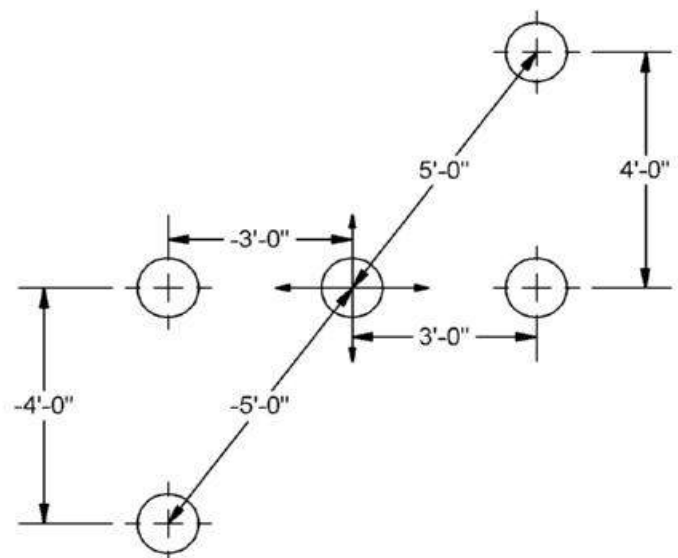
-Use a third tape to measure the diagonal dimension. Secure the end of the third tape at the start point. Extend the third tape out to the specified dimension stated in the "DIAG" column (-5'-0") of the Footings Ordinate Table for Hole #2.

-When the "Y" dimension and the "DIAG" dimension meet this will be the center of Hole #2.

Repeat this process for each hole in the Footings Ordinate Table.

Note: For dimensions with a negative symbol refer to the X, Y Locator and measure in the negative direction as shown on the X, Y Locator.

ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-3'-0"	0'-0"	0'-0"
2	-3'-0"	-4'-0"	-5'-0"
3	0'-0"	0'-0"	0'-0"
4	3'-0"	4'-0"	5'-0"
5	3'-0"	0'-0"	0'-0"



DEEPER INGROUND INSTALLATION INSTRUCTIONS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

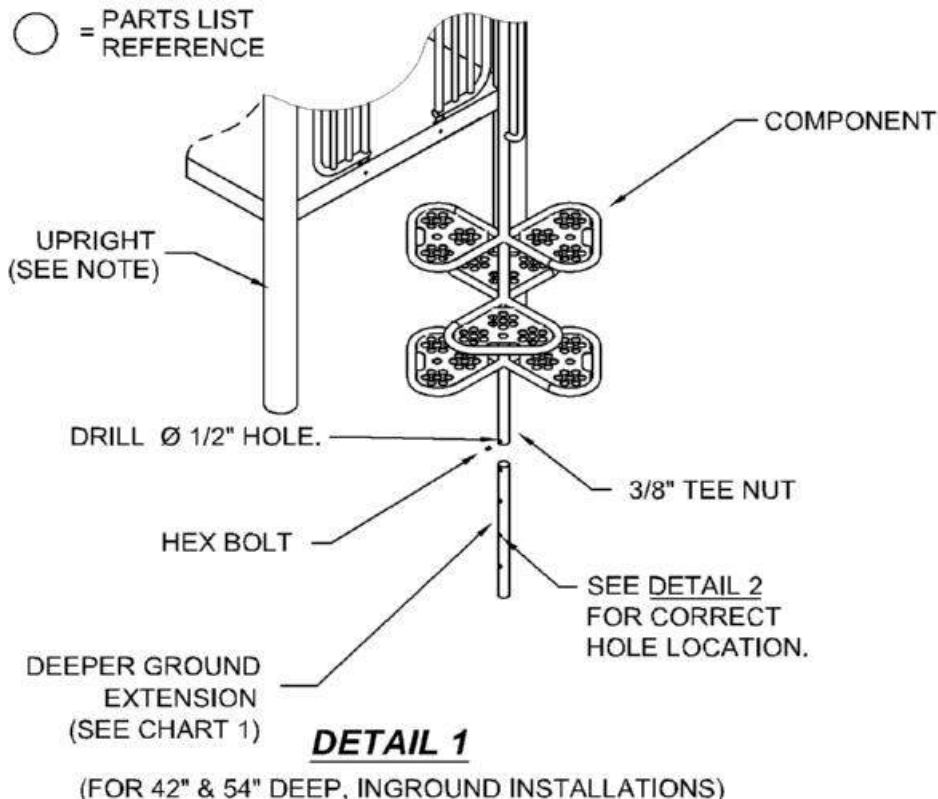


CHART 1

COMPONENT O.D.	DEEPER INGROUND HDW	EXTENSION NUMBER
1 5/16"	167417	167191
1 5/8"	167418	167192
1 7/8"	167419	167193
2 3/8"	167420	167194
2 7/8"	167421	167195
3 1/2"	167422	167196
5"	167423	167197

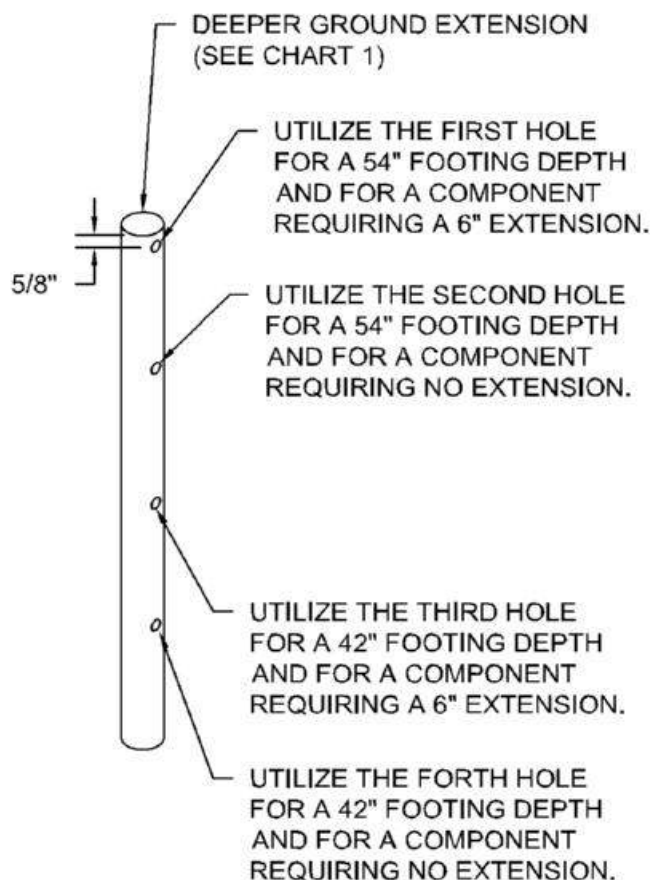
DEEPER INGROUND INSTALLATION INSTRUCTIONS

NOTE: Extra Upright Length is calculated and added by GameTime.

NOTE: 42" & 54" Length indicates inground length (42" = 30" deep hole and 12" surfacing 54" = 42" deep hole and 12" surfacing). All components are shipped as standard 30" inground length.

NOTE: Some Inground Components require extensions. Review your Standard Installation Sheet to see if extensions are required.

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Drill 1/2" diameter hole 5/8" from bottom of pipe. See **DETAIL 1**.
3. For 42" and 54" Deep Inground Installations, DO NOT cut component length. After drilling 1/2" diameter hole 5/8" from bottom of pipe, attach the extension as shown in **DETAIL 1** and **DETAIL 2**. See **CHART 1** for the specific extension required for the diameter pipe being used. The uprights will be manufactured to the proper length needed for your 42" or 54" inground Installations.



DETAIL 2



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1-800-235-2440

3904

BELLS

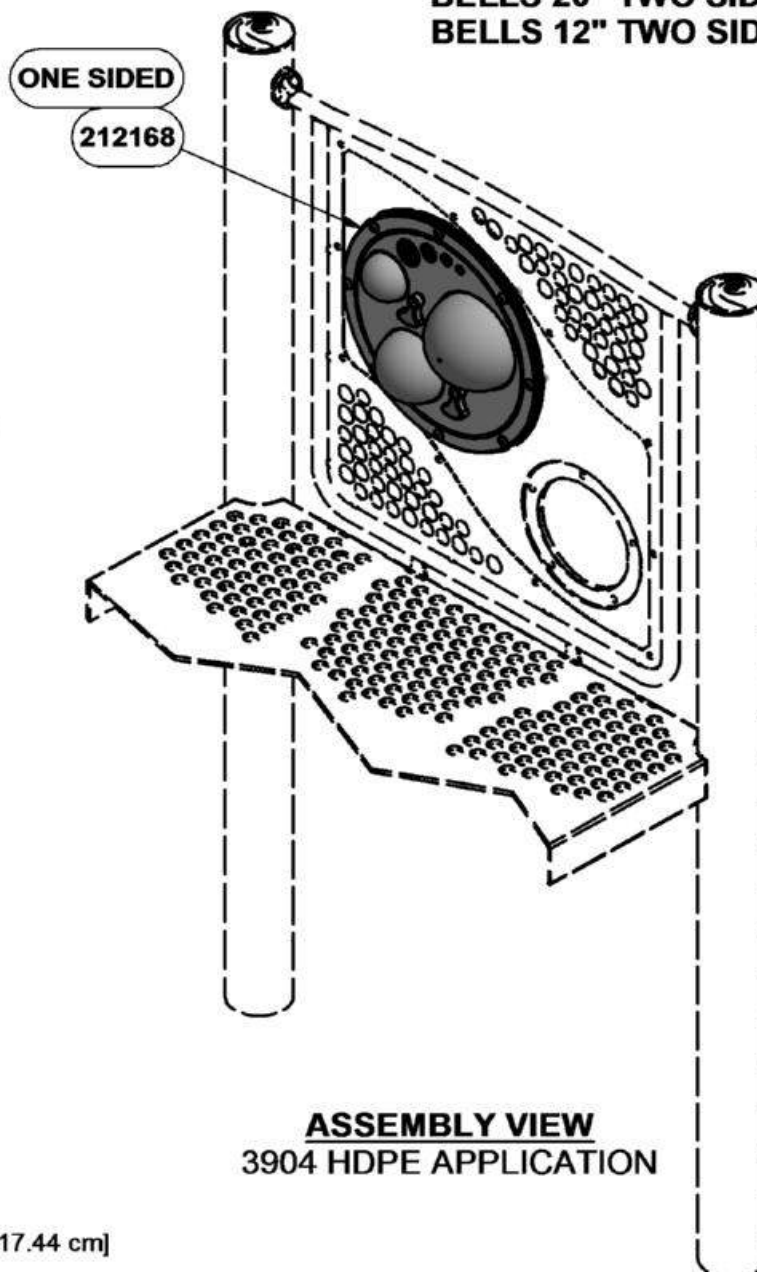
ISSUED/REVISED: 9/24/2021



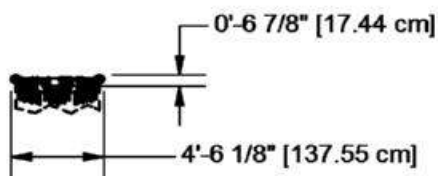
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**

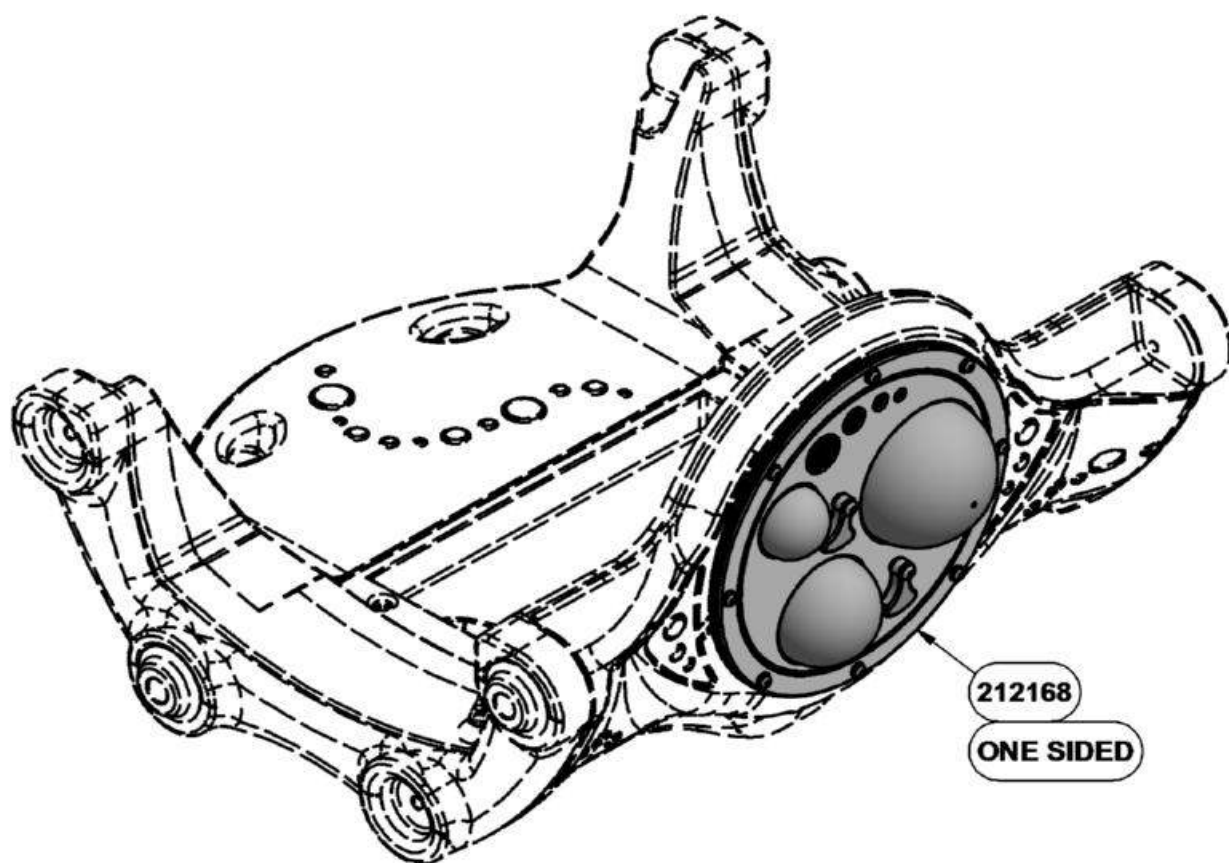
BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907



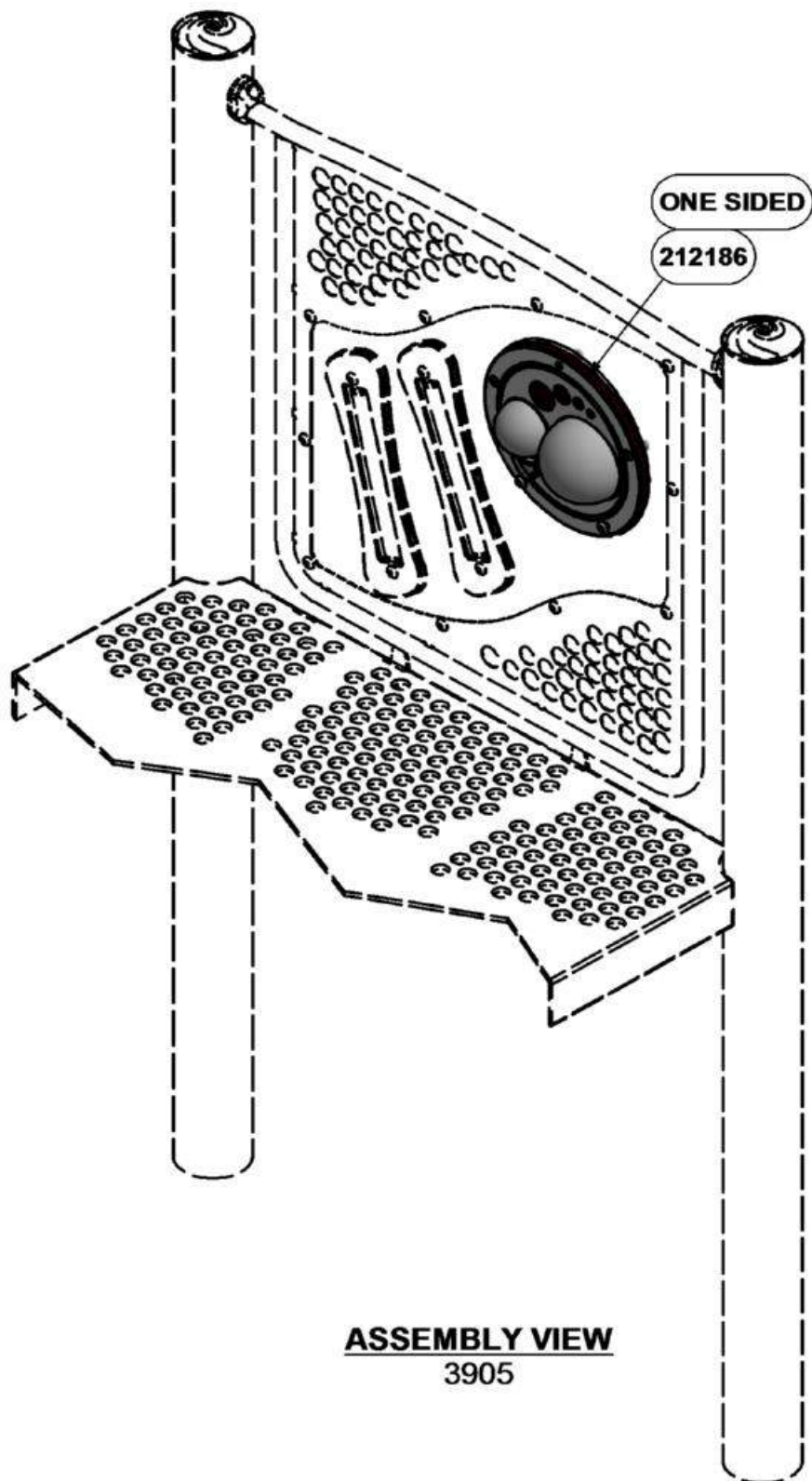
ASSEMBLY VIEW
3904 HDPE APPLICATION



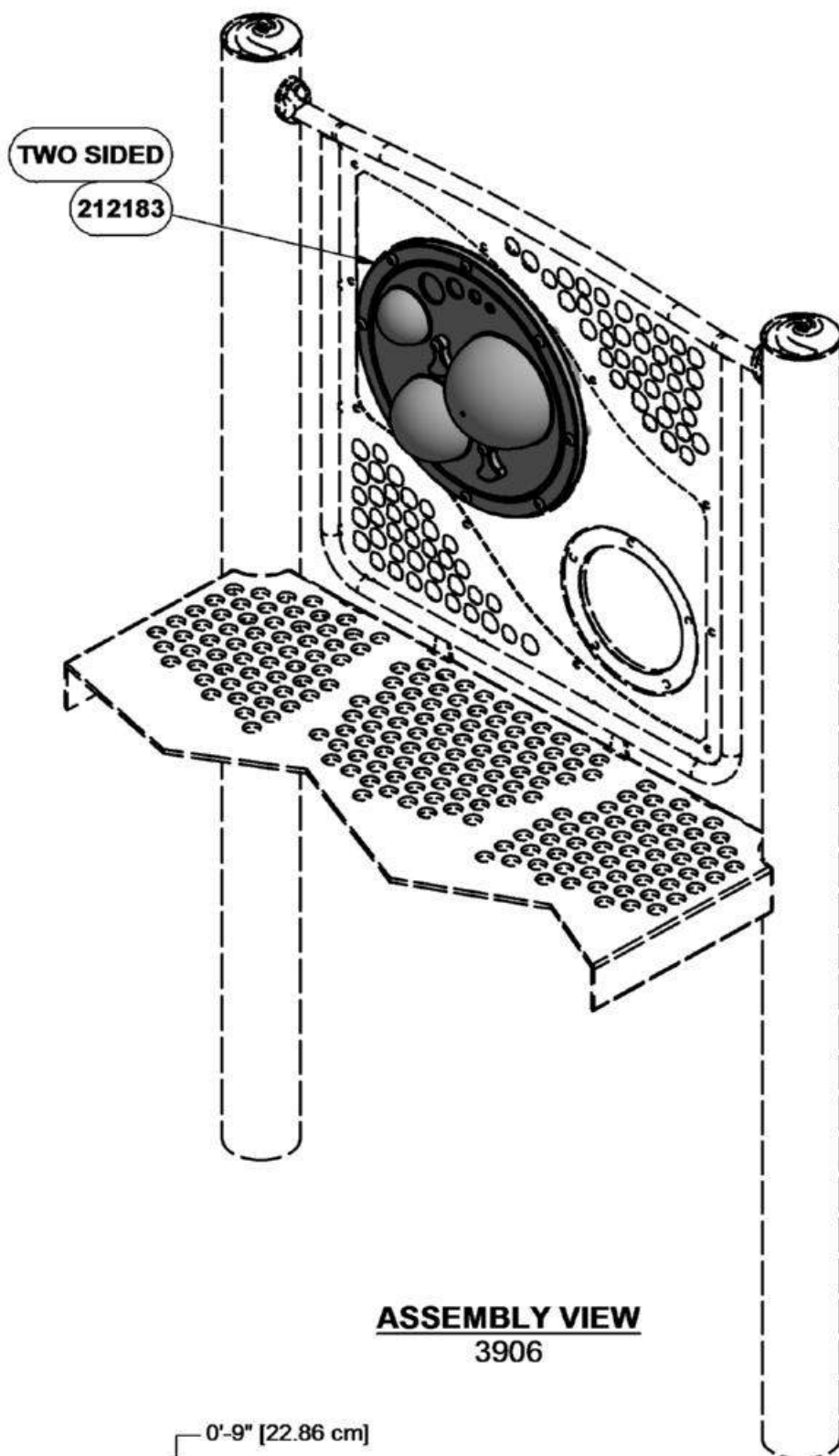
TOP VIEW
3904 SHOWN
3905 SIMILAR



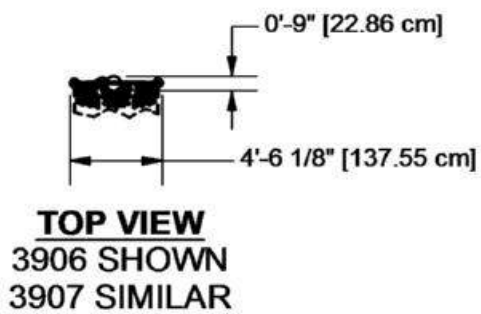
ASSEMBLY VIEW
3904 ROTO APPLICATION

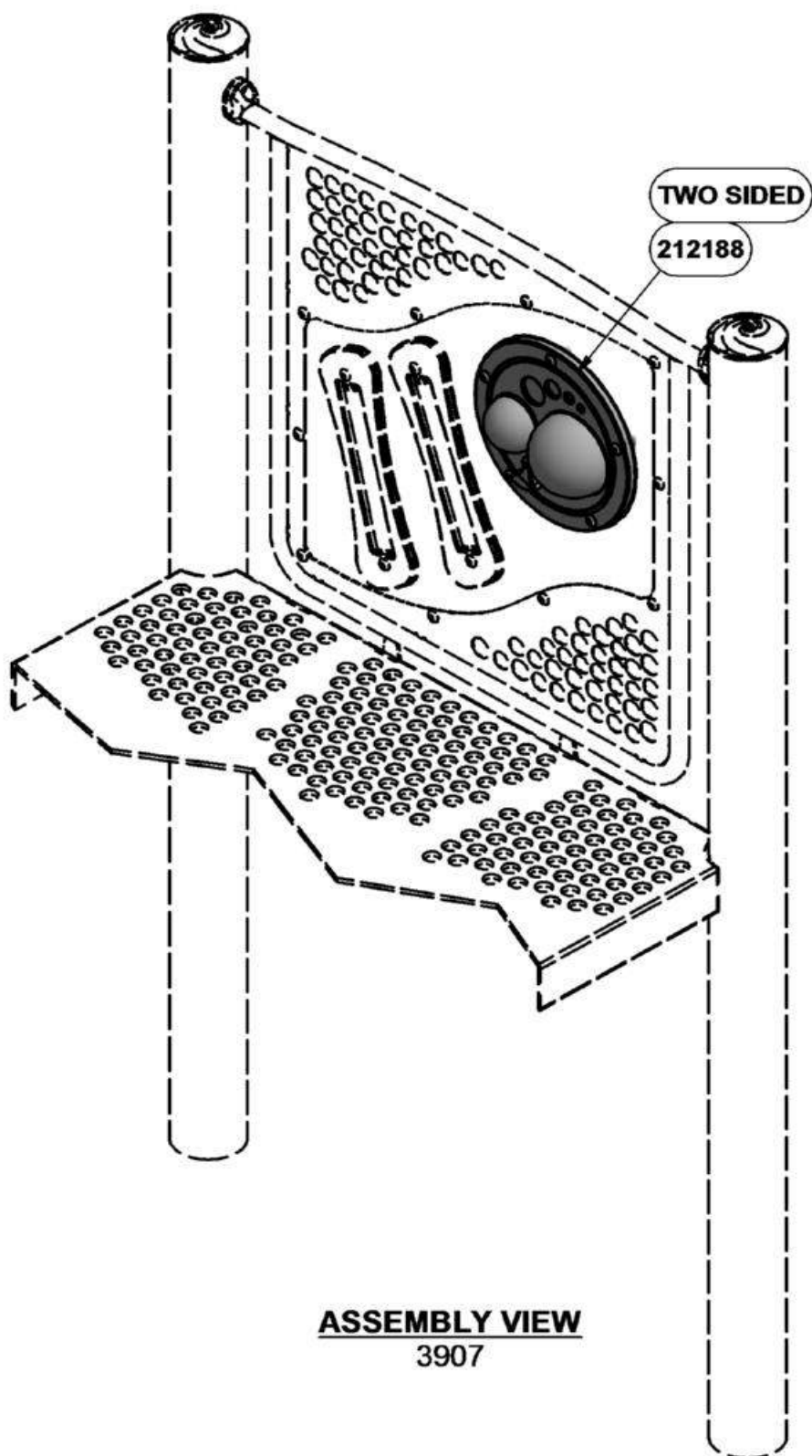


ASSEMBLY VIEW
3905



ASSEMBLY VIEW
3906





ASSEMBLY VIEW
3907

STOP

IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS

STOP

- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

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.

HDPE APPLICATION STEP 1: Attach Bell Assembly to HDPE Panel. **REFER TO PAGE 8.**

ROTO APPLICATION STEP 1: Attach Bell Assembly to Roto Panel. **REFER TO PAGE 9.**

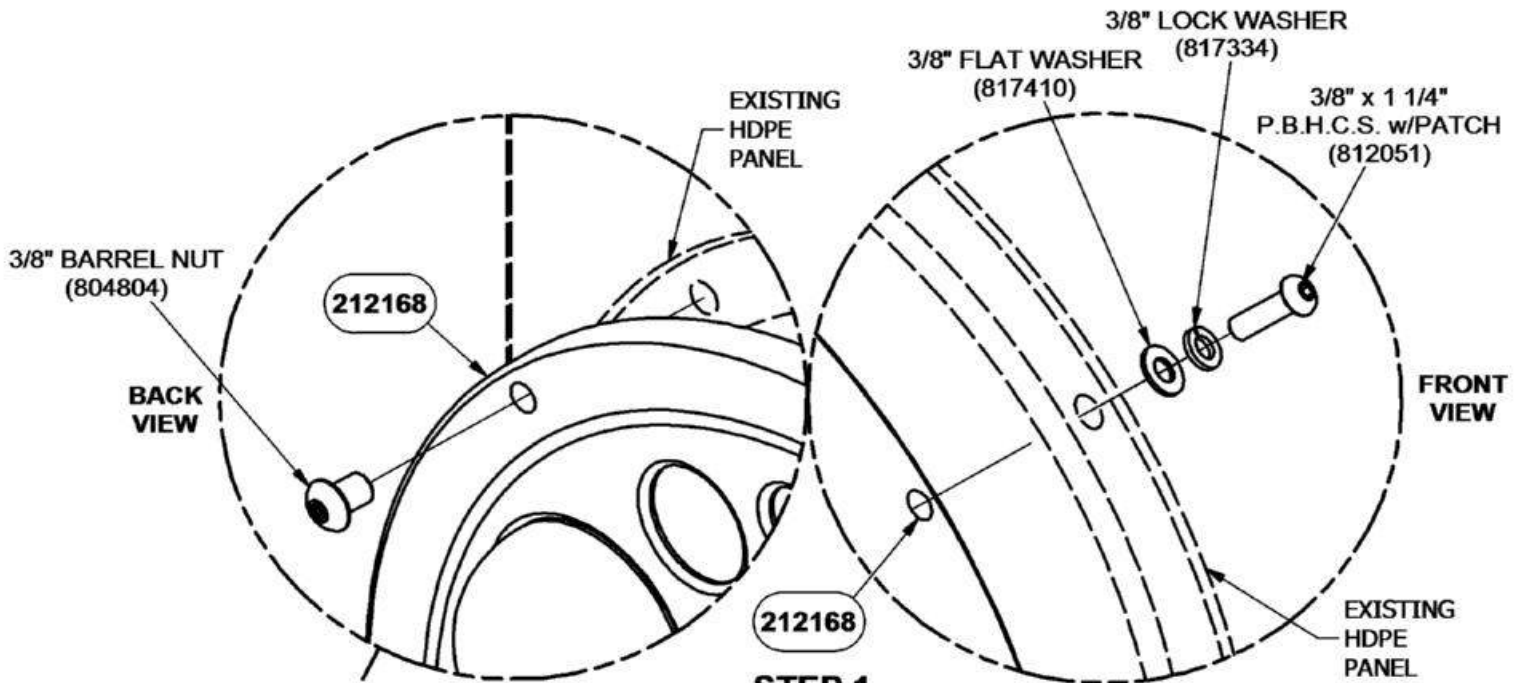
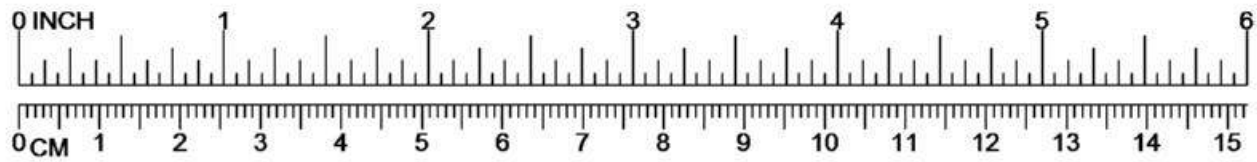
SPECIFICATIONS

BELL ASSEMBLY: Shall be fabricated from 3/4" thick high density polyethylene. Bells shall be fabricated from 1-5/16" O.D. x .083" (14 Gauge) wall galvanized steel tubing, 11 Gauge H.R. Steel, and purchased machined stainless steel insert. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the 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 four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

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

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



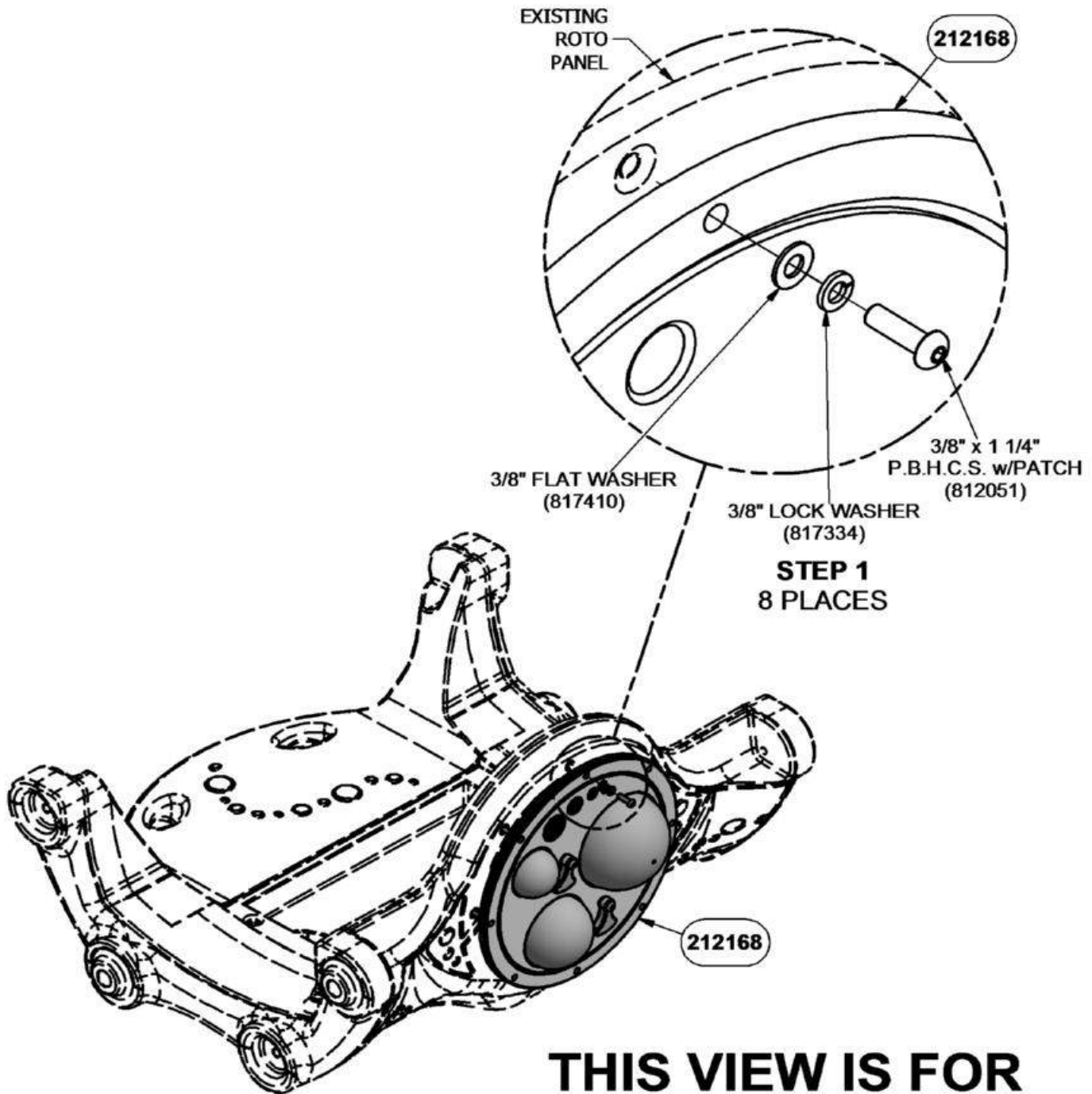
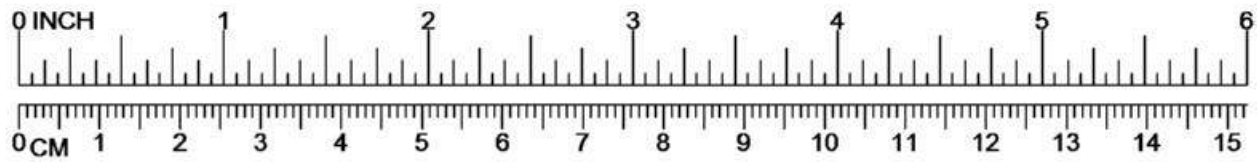
STEP 1

- 3904 - 8 PLACES
- 3905 - 5 PLACES
- 3906 - 8 PLACES
- 3907 - 5 PLACES

**THIS VIEW IS FOR
HDPE APPLICATION
ONLY**

**REFER TO PARTS LIST
FOR PROPER
BELL ASSEMBLY**

DETAIL VIEW
3904 SHOWN
OTHERS SIMILAR



**THIS VIEW IS FOR
ROTO APPLICATION
ONLY**

DETAIL VIEW
3904 SHOWN

Parts List					
DESCRIPTION	3904	3905	3906	3907	PART NUMBER
20" BELL ASSEMBLY ONE SIDED	1	0	0	0	212168
12" BELL ASSEMBLY ONE SIDED	0	1	0	0	212186
20" BELL ASSEMBLY TWO SIDED	0	0	1	0	212183
12" BELL ASSEMBLY TWO SIDED	0	0	0	1	212188
HARDWARE COMPLETE	1	0	1	0	212190
HARDWARE COMPLETE	0	1	0	1	212191
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
3/8" BARREL NUT	8	5	8	5	804804*
3/8" FLAT WASHER	8	5	8	5	817410*
3/8" LOCK WASHER	8	5	8	5	817334*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



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1-800-235-2440

3924

SENSORY MIRRORS

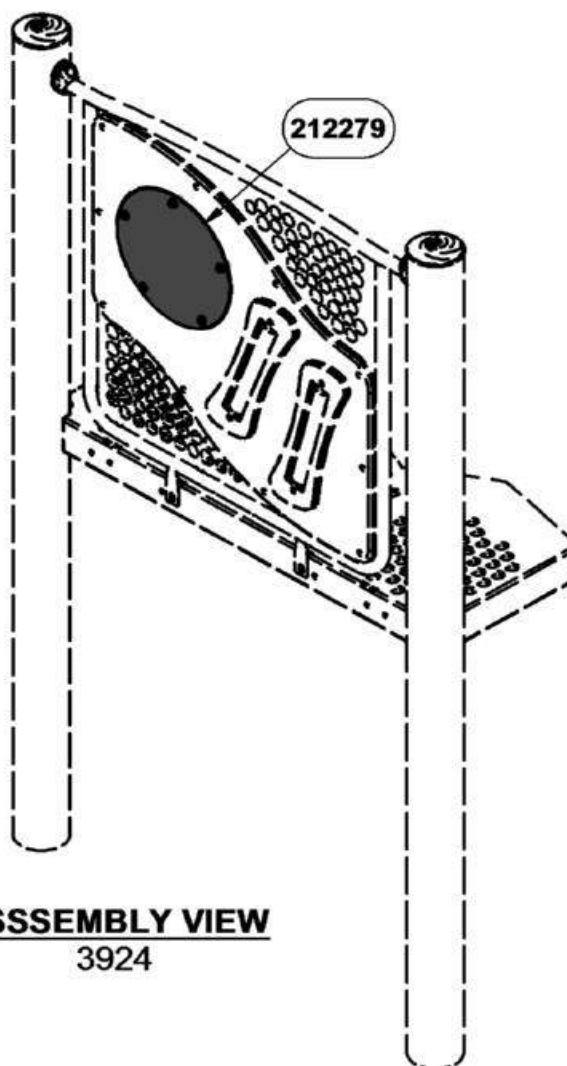
ISSUED/REVISED: 10/4/2021



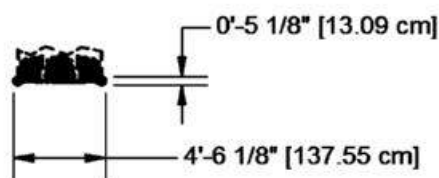
12" MIRROR ONE SIDED	3924
12" MIRROR TWO SIDED	3925
20" MIRROR ONE SIDED	3926
20" MIRROR TWO SIDED	3927
12" FUN MIRROR ONE SIDED	3928
12" FUN MIRROR TWO SIDED	3929
20" FUN MIRROR ONE SIDED	3930
20" FUN MIRROR TWO SIDED	3931

INSTALLATION INSTRUCTIONS

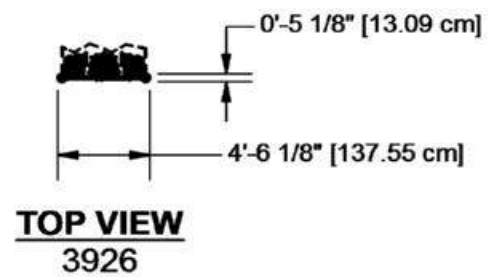
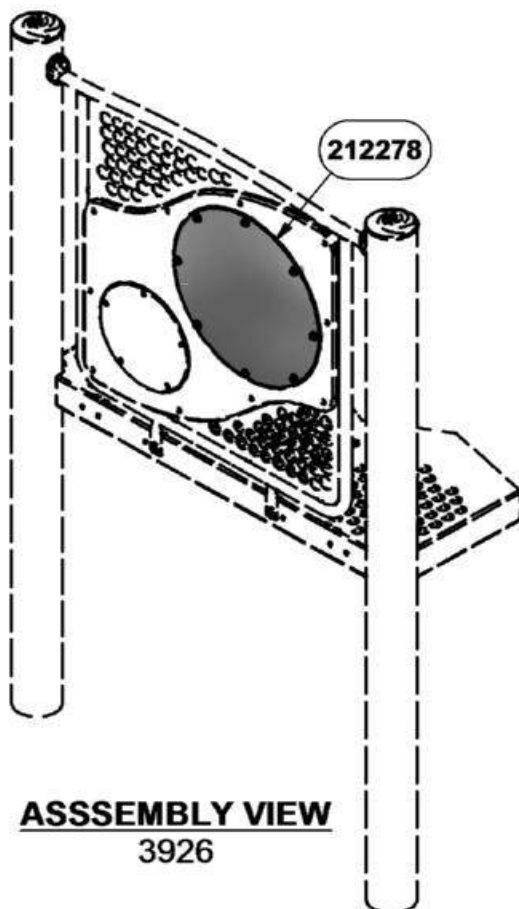
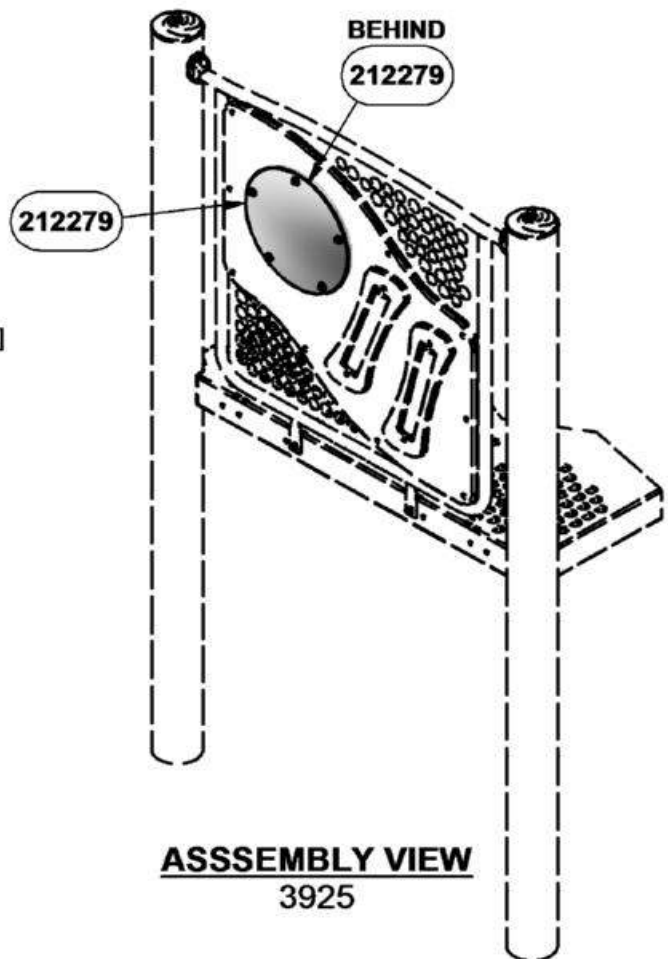
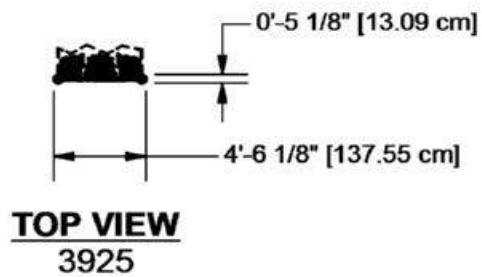
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**

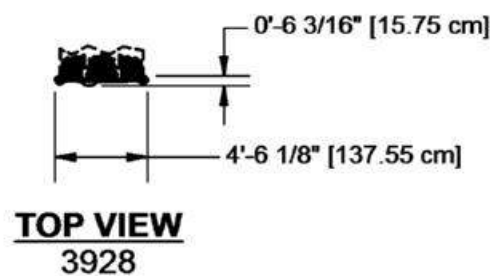
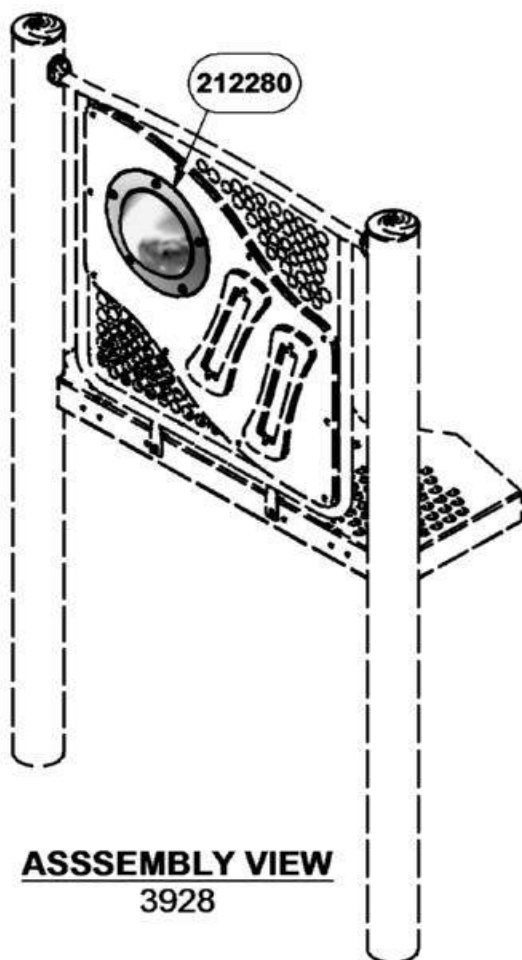
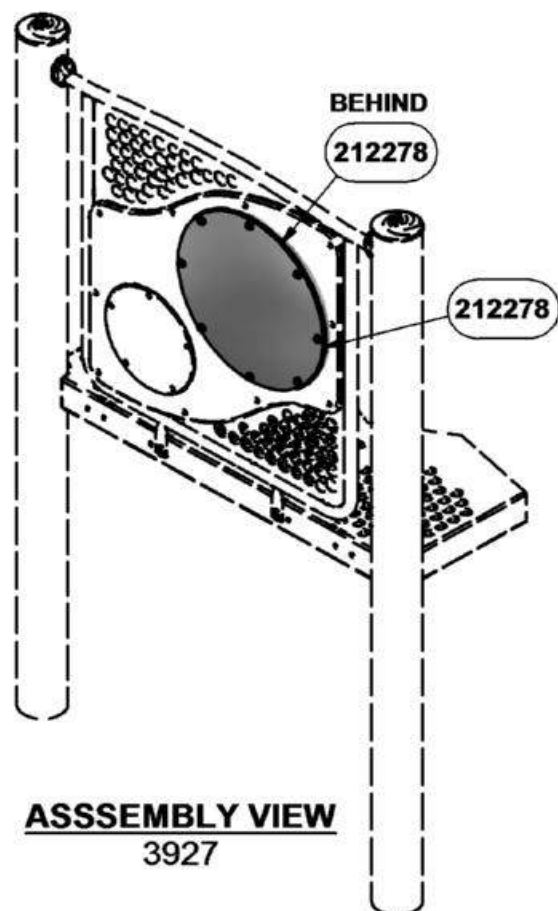
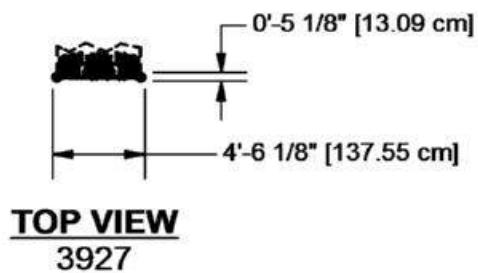


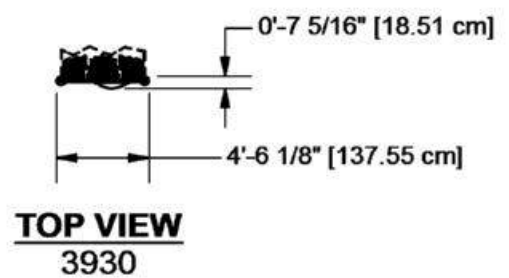
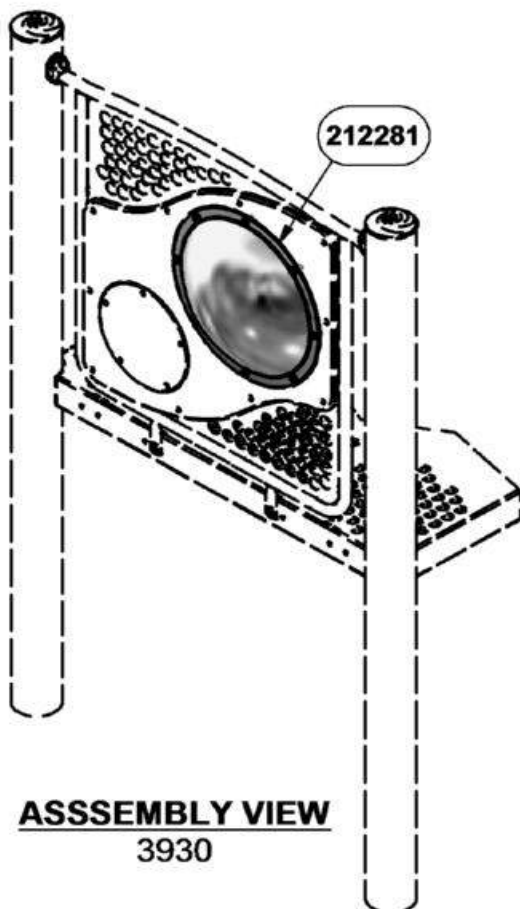
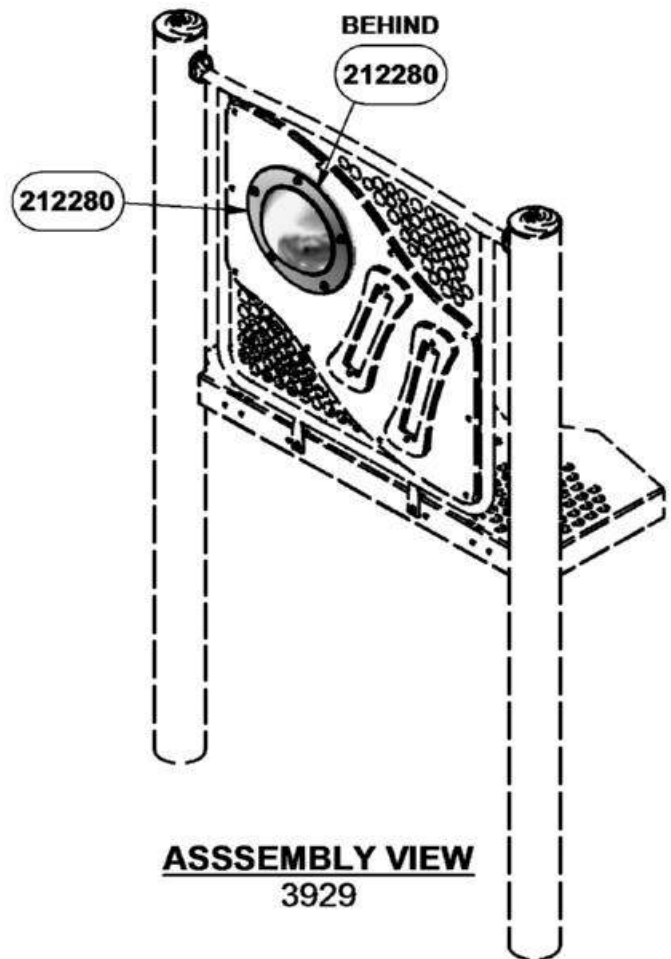
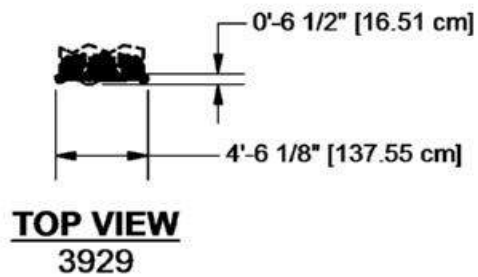
ASSEMBLY VIEW
3924

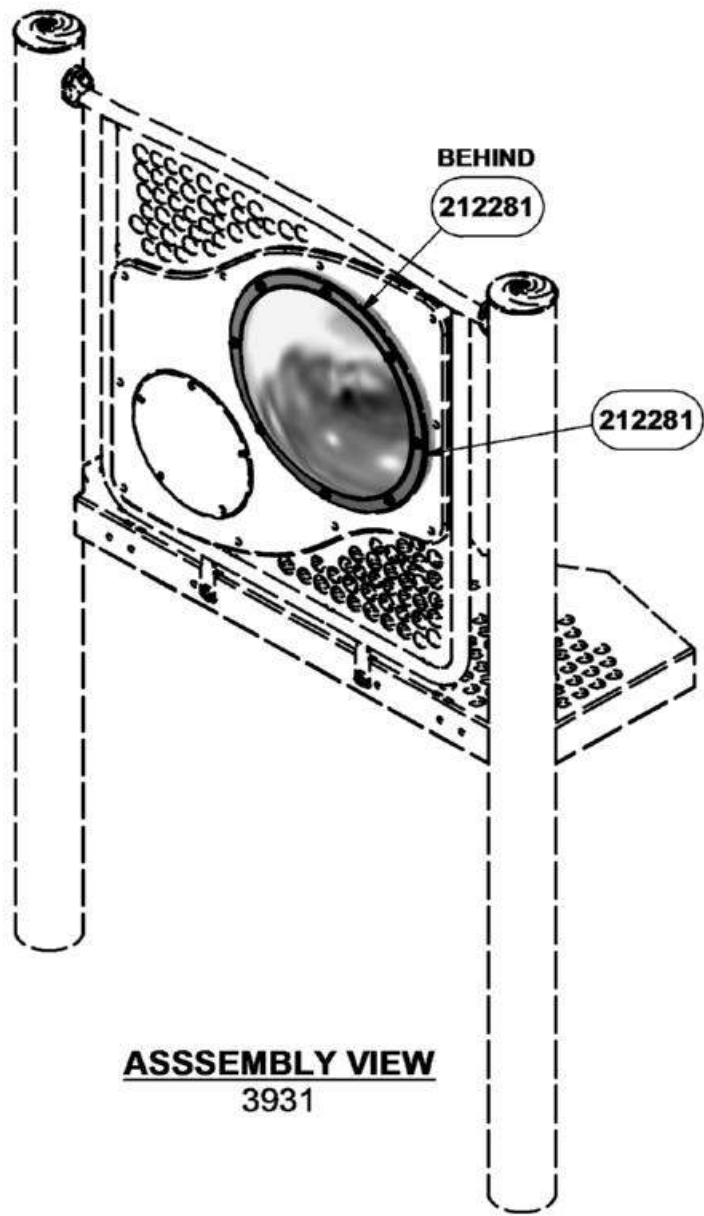


TOP VIEW
3924

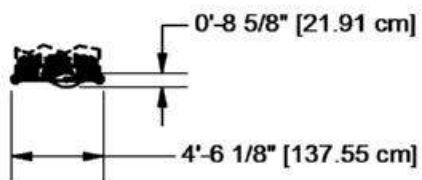








ASSEMBLY VIEW
3931



TOP VIEW
3931



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

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.

ONE SIDED STEP 1: Attach one Mirror to Panel. **REFER TO PAGE 8.**

TWO SIDED STEP 1: Attach two Mirrors to Panel. **REFER TO PAGE 9.**

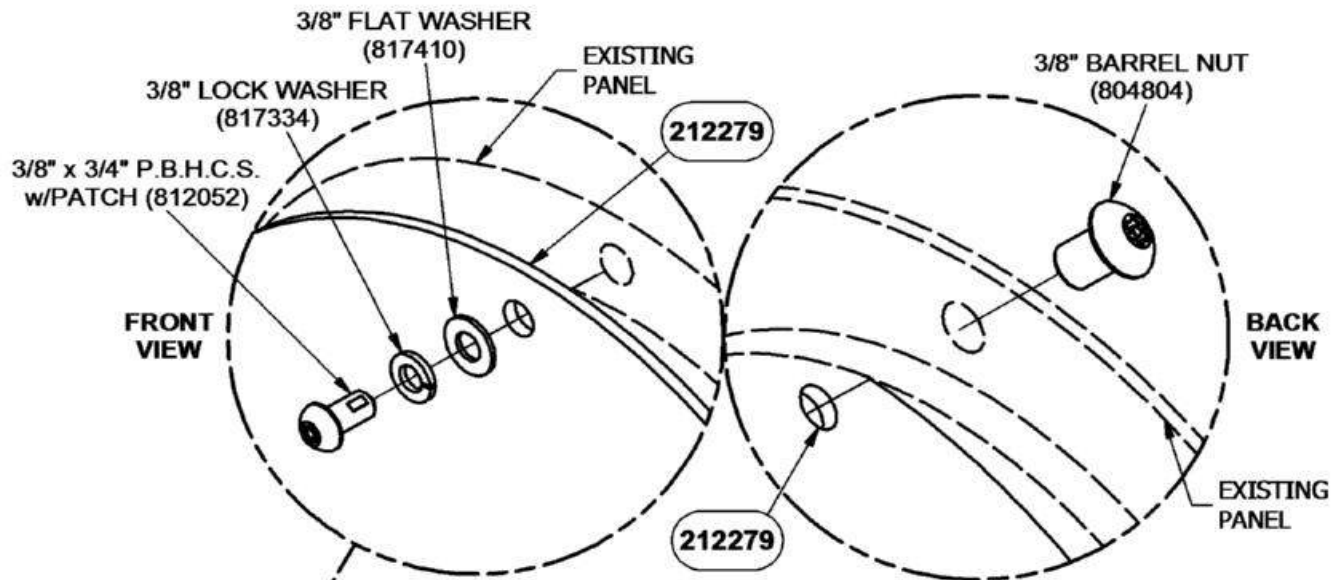
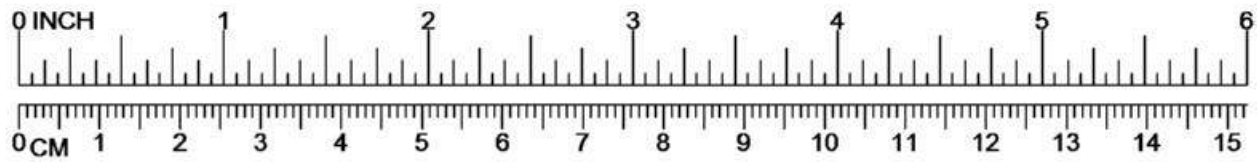
SPECIFICATIONS

MIRROR PANEL: Shall be fabricated from 3/16" thick acrylic with UV inhibitive reflective coating.

FUN MIRROR PANEL: Shall be fabricated from 3/16" thick acrylic with UV inhibitive reflective coating.

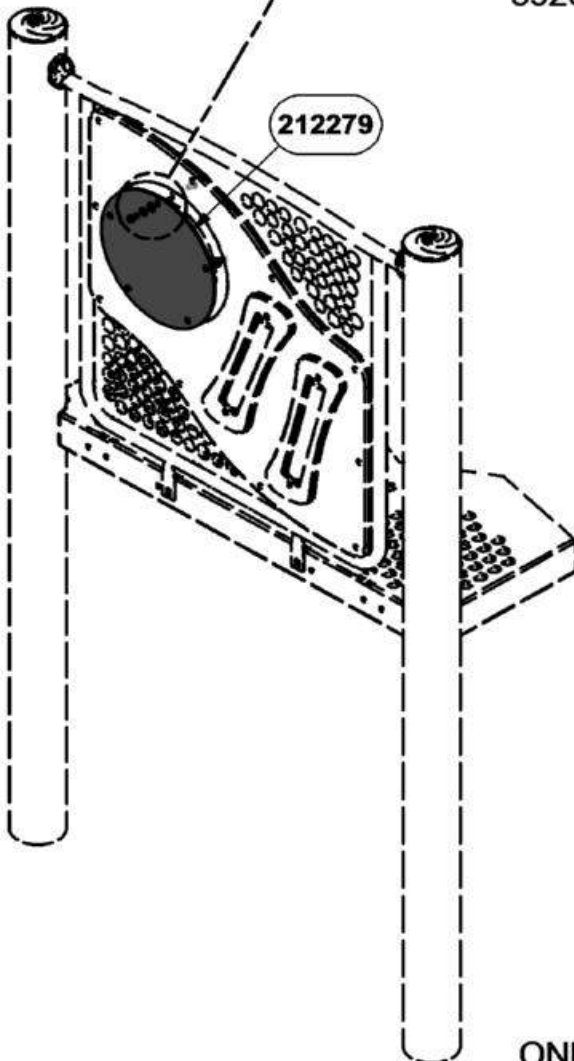
HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series 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: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



STEP 1

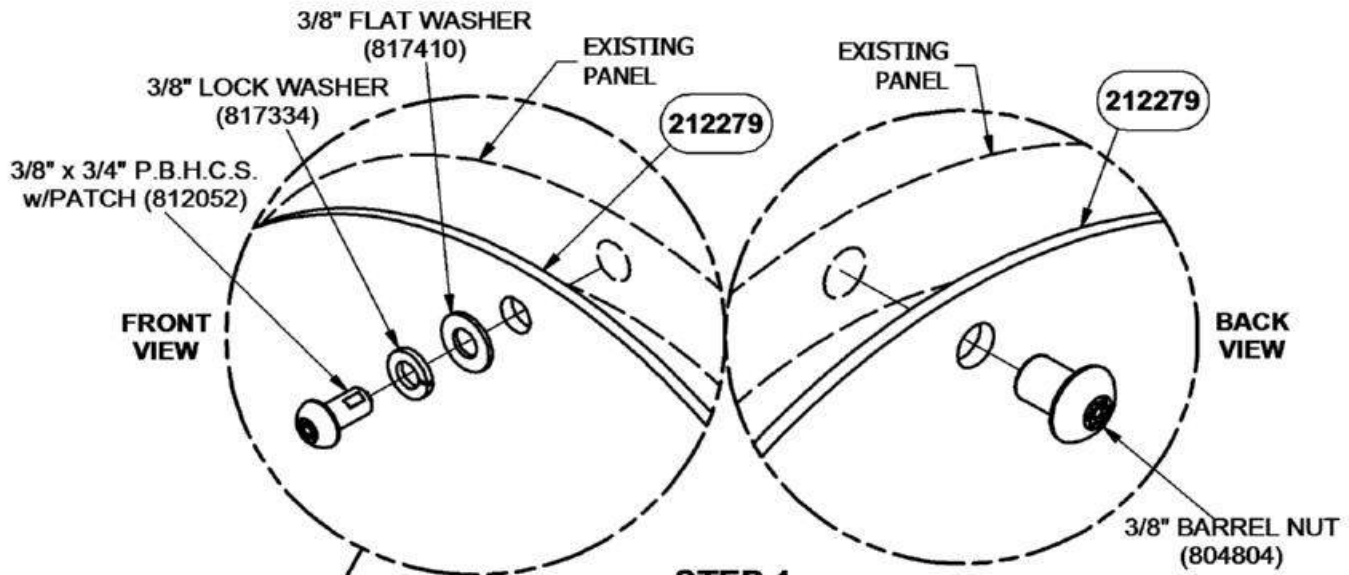
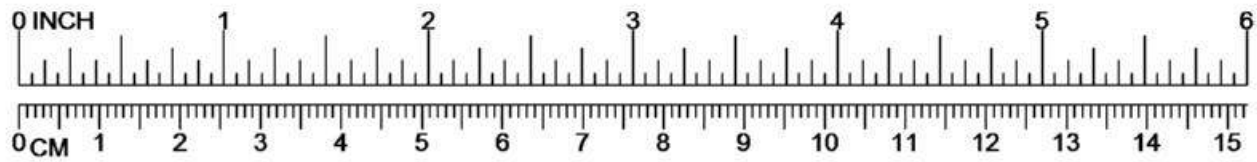
3924 AND 3928 - 5 PLACES
3926 AND 3930 - 8 PLACES



**THIS VIEW IS FOR
ONE SIDED
MIRRORS ONLY**

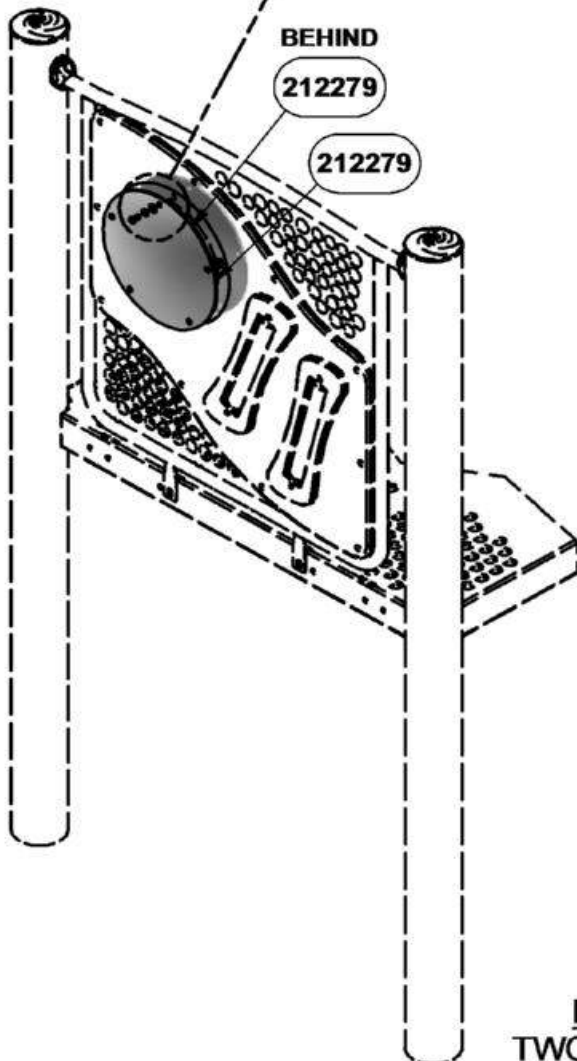
**REFER TO PARTS LIST
FOR PROPER
MIRROR PANEL**

**DETAIL VIEW
ONE SIDED MIRROR**



STEP 1

3925 AND 3929 - 5 PLACES
3927 AND 3931 - 8 PLACES



**THIS VIEW IS FOR
TWO SIDED
MIRRORS ONLY**

**REFER TO PARTS LIST
FOR PROPER
MIRROR PANEL**

**DETAIL VIEW
TWO SIDED MIRROR**

Parts List									
DESCRIPTION	3924	3925	3926	3927	3928	3929	3930	3931	PART NUMBER
SMALL MIRROR	1	2	0	0	0	0	0	0	212279
LARGE MIRROR	0	0	1	2	0	0	0	0	212278
SMALL FUN MIRROR	0	0	0	0	1	2	0	0	212280
LARGE FUN MIRROR	0	0	0	0	0	0	1	2	212281
HARDWARE COMPLETE	1	1	0	0	1	1	0	0	212226
HARDWARE COMPLETE	0	0	1	1	0	0	1	1	212225
3/8" x 3/4" P.B.H.C.S. w/PATCH	5	5	8	8	5	5	8	8	812052*
3/8" BARREL NUT	5	5	8	8	5	5	8	8	804804*
3/8" FLAT WASHER	5	5	8	8	5	5	8	8	817410*
3/8" LOCK WASHER	5	5	8	8	5	5	8	8	817334*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 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.



A PLAYCORE Company

1-800-235-2440

3938

COLOR WHEEL

ISSUED/REVISED: 12/17/2021



12" COLOR WHEEL

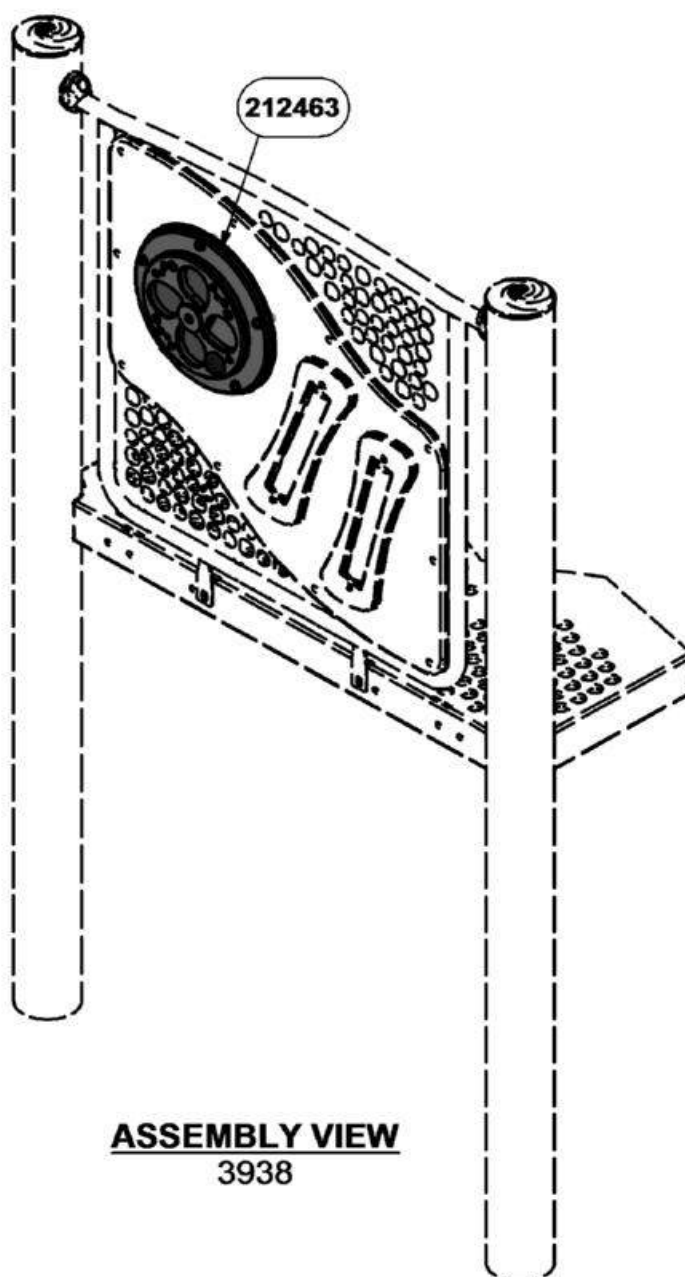
3938

20" COLOR WHEEL

3939

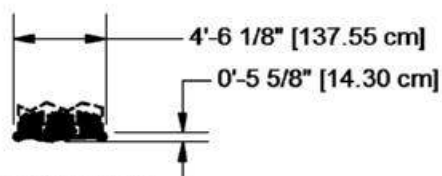
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



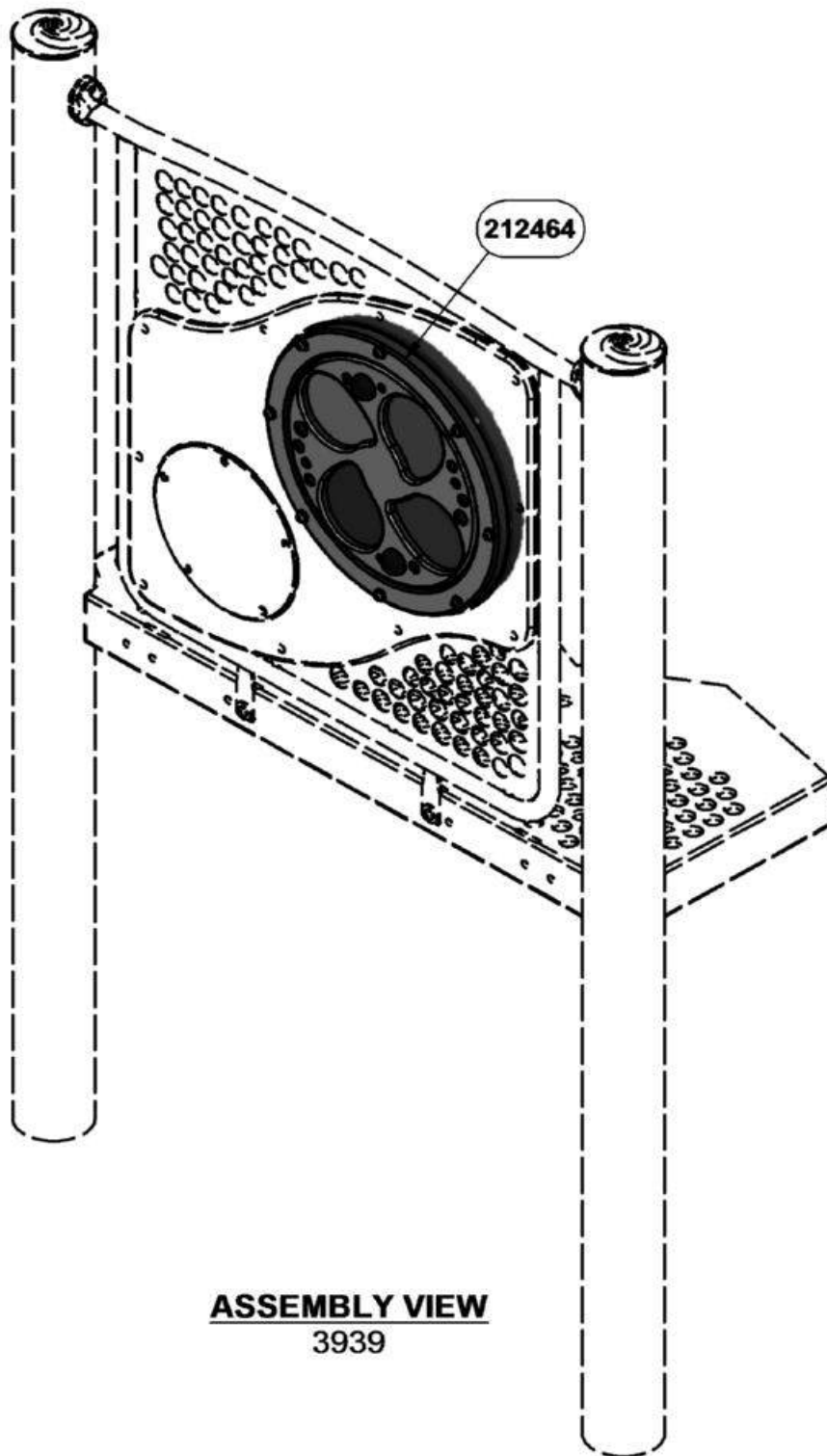
ASSEMBLY VIEW

3938

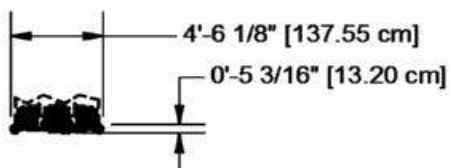


TOP VIEW

3938



ASSEMBLY VIEW
3939



TOP VIEW
3939



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. **NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.**

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.

3938 STEP 1: Attach 12" Color Wheel to HDPE Panel. **REFER TO PAGE 5.**

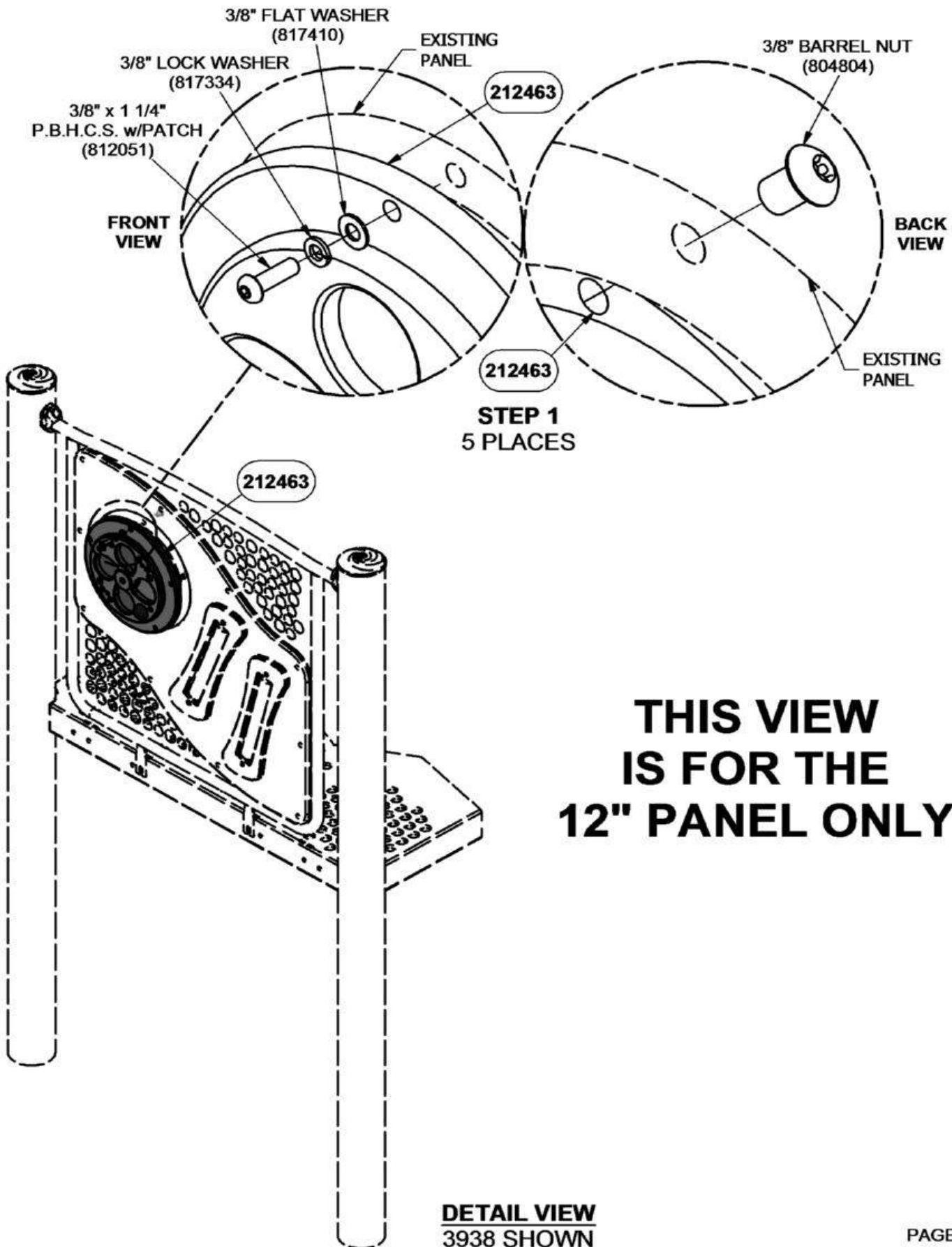
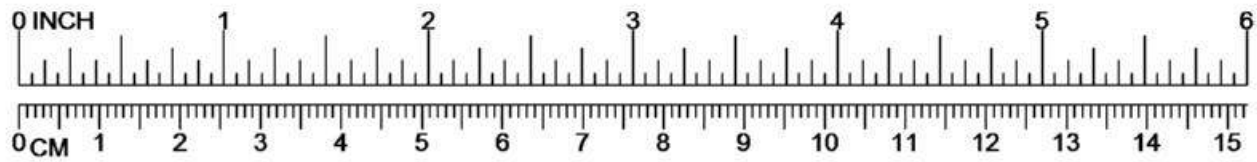
3939 STEP 1: Attach 20" Color Wheel to HDPE Panel. **REFER TO PAGE 6.**

SPECIFICATIONS

COLOR WHEEL: Shall be fabricated from 1/2" high density polyethylene and 3/16" Thick colored UV inhibitive acrylic.

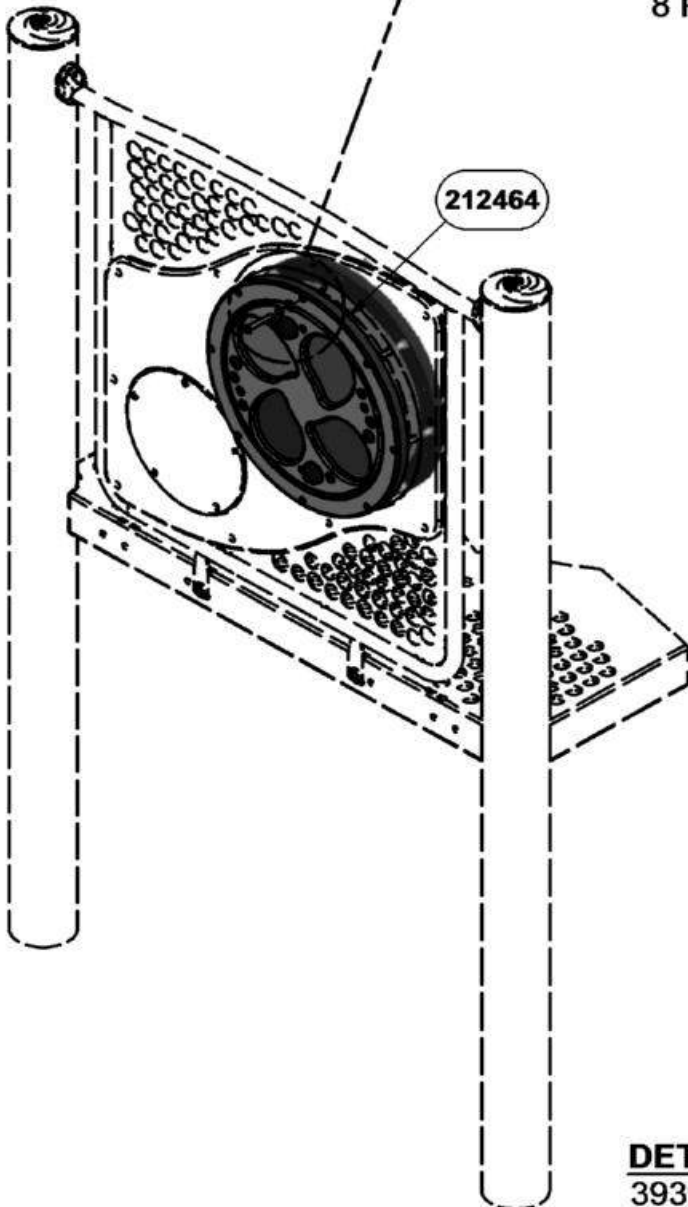
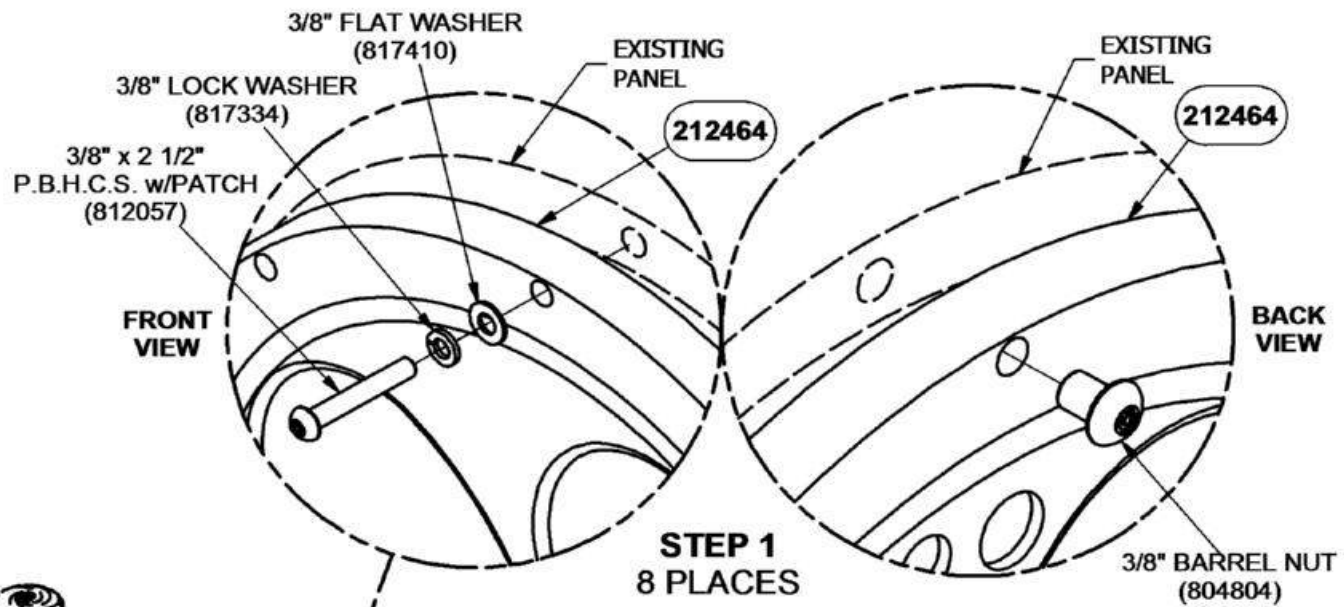
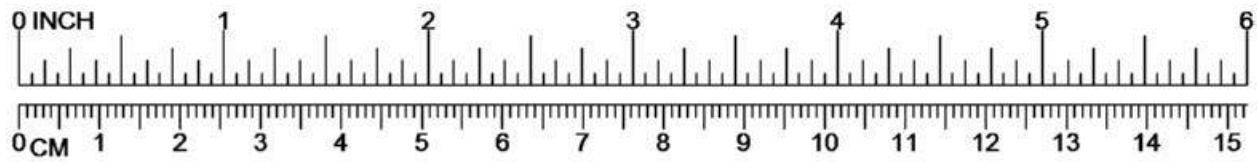
HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series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

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



**THIS VIEW
IS FOR THE
12" PANEL ONLY**

**DETAIL VIEW
3938 SHOWN**



**THIS VIEW
IS FOR THE
20" PANEL ONLY**

DETAIL VIEW
3939 SHOWN

Parts List			
DESCRIPTION	3938	3939	PART NUMBER
12" COLOR WHEEL	1	0	212463
20" COLOR WHEEL	0	1	212464
HARDWARE COMPLETE	1	0	212465
HARDWARE COMPLETE	0	1	212466
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	0	812051*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	0	8	812057*
3/8" BARREL NUT	5	8	804804*
3/8" FLAT WASHER	5	8	817410*
3/8" LOCK WASHER	5	8	817334*

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

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

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

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

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.

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 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.



A PLAYCORE Company

1-800-235-2440

3945

RAIN

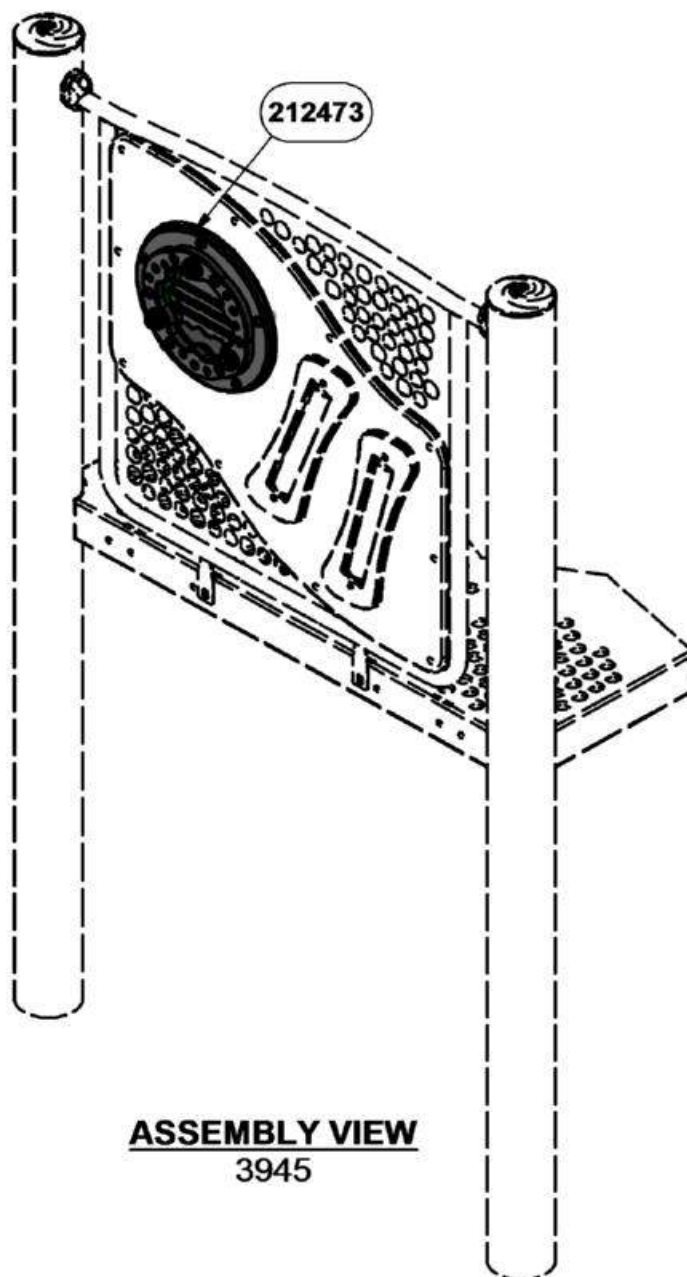
ISSUED/REVISED: 9/27/2021



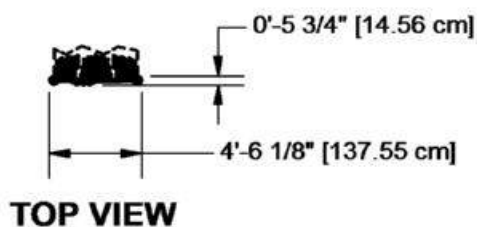
12" RAIN 3945
20" RAIN 3946

INSTALLATION INSTRUCTIONS

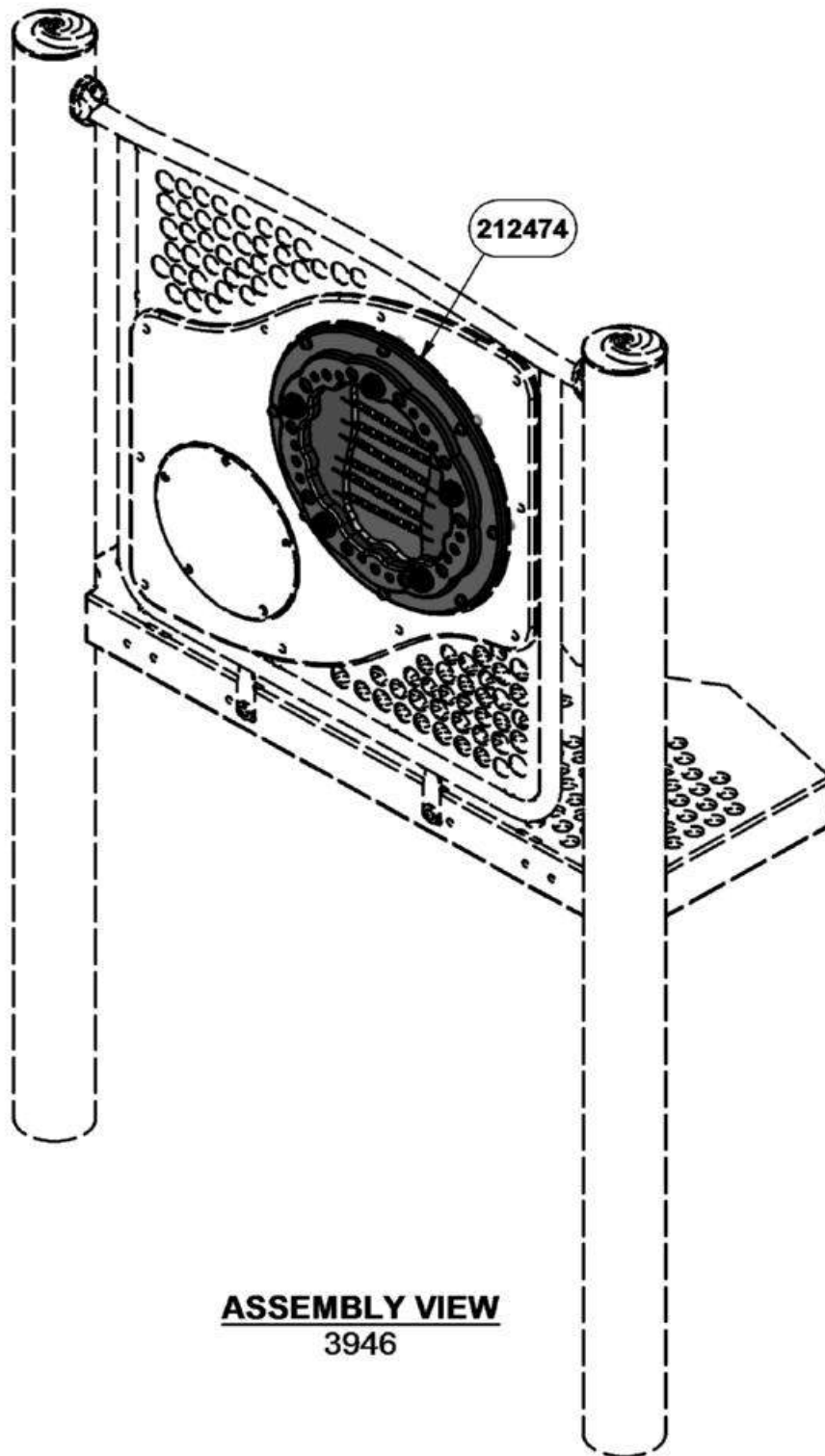
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



ASSEMBLY VIEW
3945



TOP VIEW



ASSEMBLY VIEW
3946



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

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.

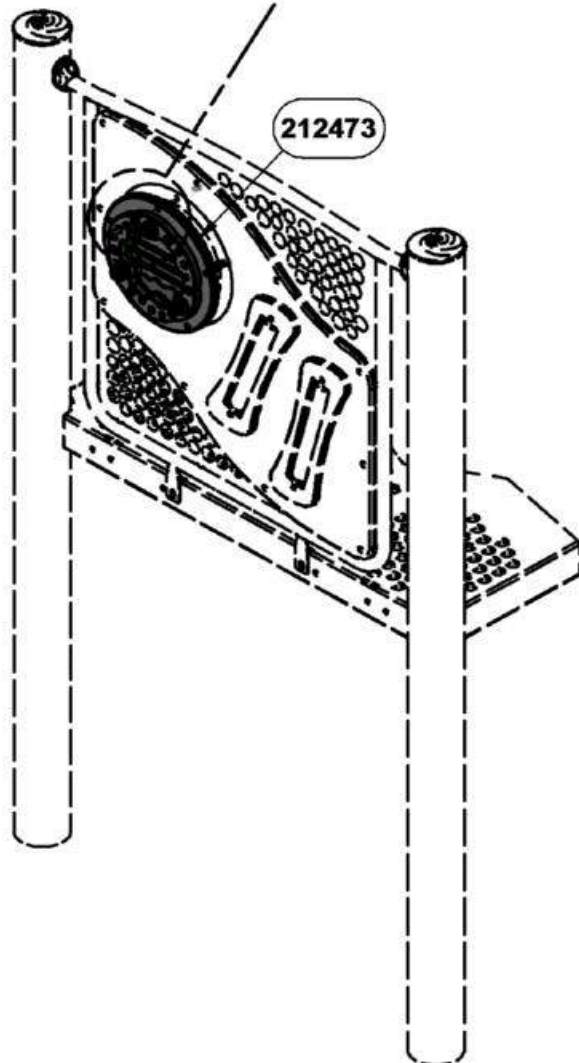
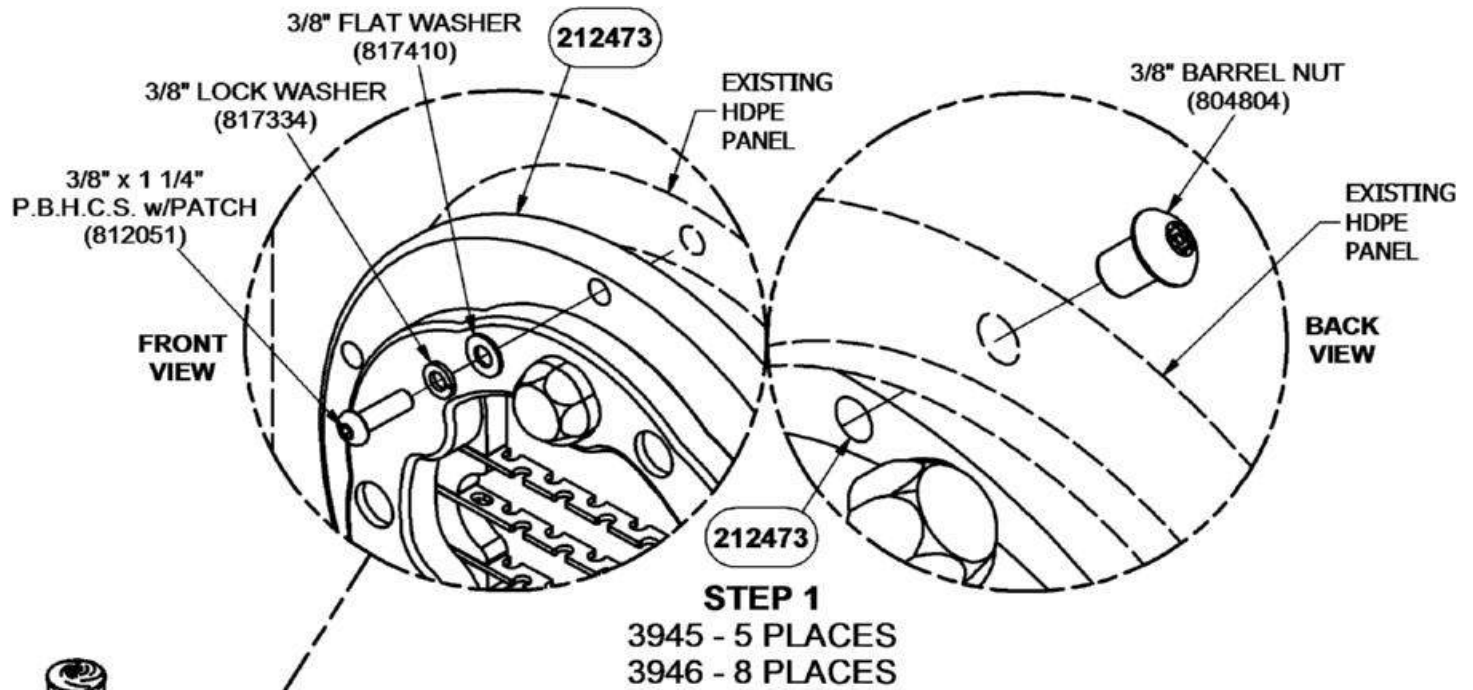
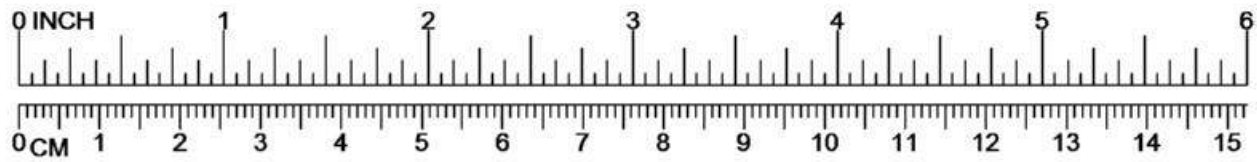
STEP 1: Attach Rain Panel to HDPE Panel. **REFER TO PAGE 5.**

SPECIFICATIONS

RAIN PANEL: Shall be fabricated from 1/2" high density polyethylene, 14 Gauge H.R. Steel, and 3/16" Thick UV inhibitive acrylic with 4.5mm stainless steel balls.

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

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



**REFER TO PARTS LIST
FOR PROPER
RAIN PANEL**

DETAIL VIEW
3945 SHOWN
3946 SIMILAR

Parts List			
DESCRIPTION	3945	3946	PART NUMBER
12" RAIN PANEL	1	0	212473
20" RAIN PANEL	0	1	212474
HARDWARE COMPLETE	1	0	212465
HARDWARE COMPLETE	0	1	212475
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	8	812051*
3/8" BARREL NUT	5	8	804804*
3/8" FLAT WASHER	5	8	817410*
3/8" LOCK WASHER	5	8	817334*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 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.



A PLAYCORE Company

1-800-235-2440

3950

ROLLER BALL

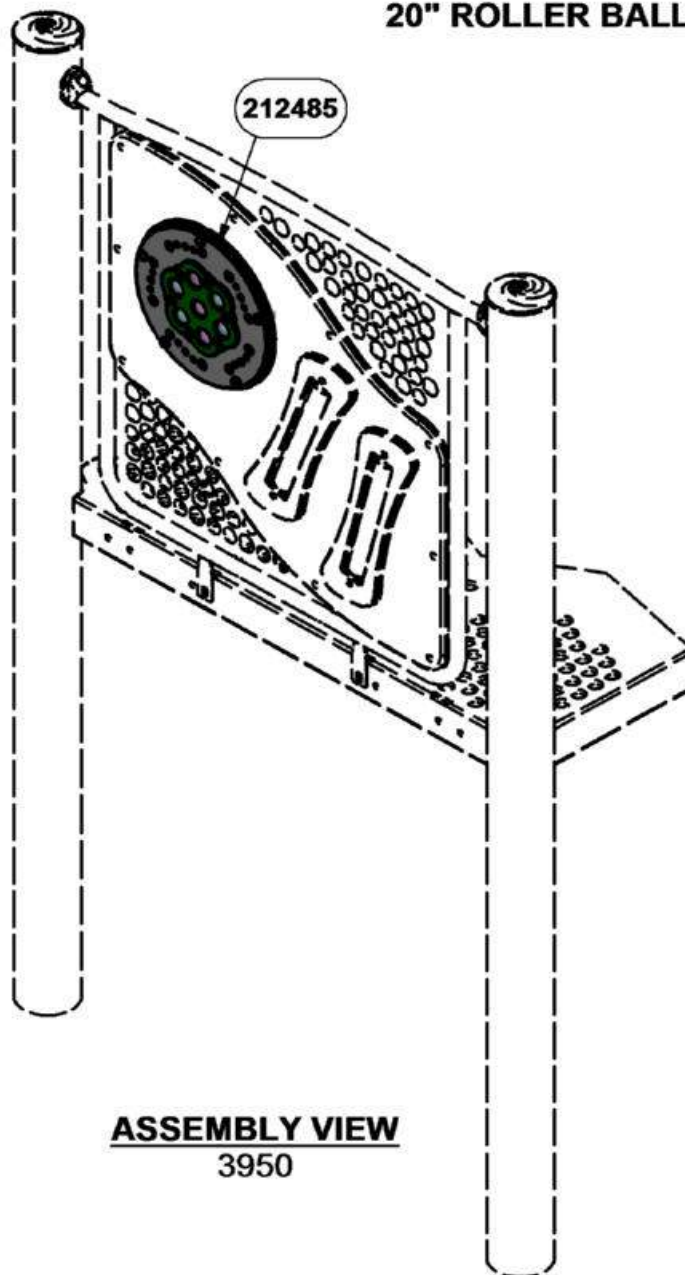
ISSUED/REVISED: 1/3/2022



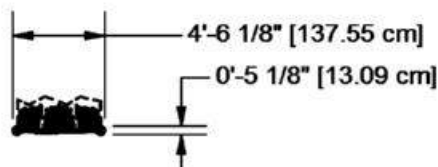
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**

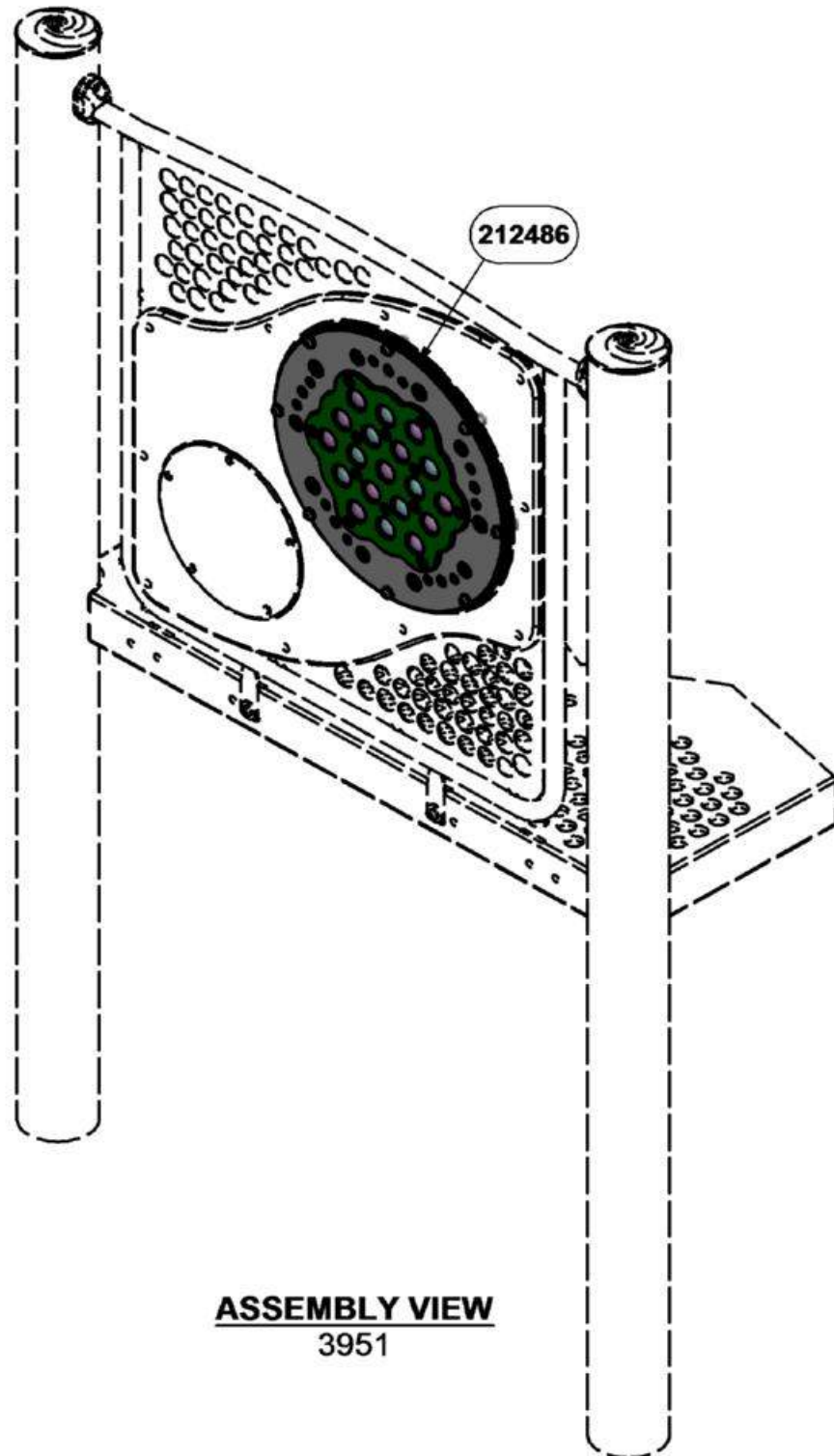
12" ROLLER BALL 3950
20" ROLLER BALL 3951



ASSEMBLY VIEW
3950



TOP VIEW



ASSEMBLY VIEW
3951



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

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.

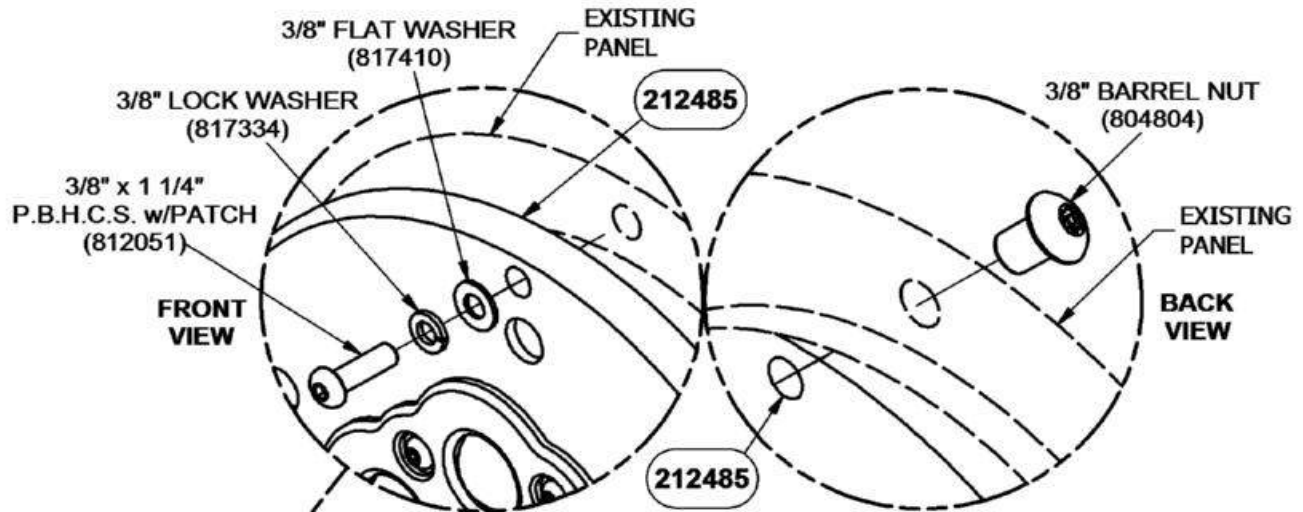
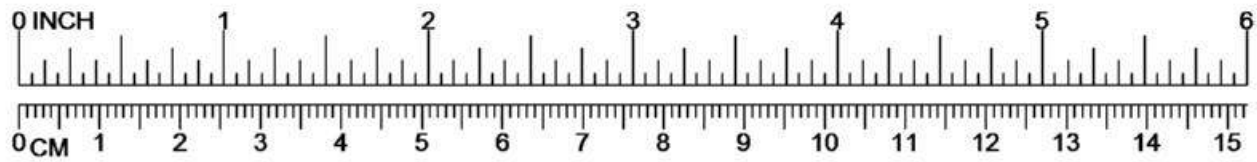
STEP 1: Attach Roller Ball to Panel. **REFER TO PAGE 5.**

SPECIFICATIONS

ROLLER BALL: Shall be fabricated from 1/2" high density polyethylene which encapsulates colored acrylic spheres.

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

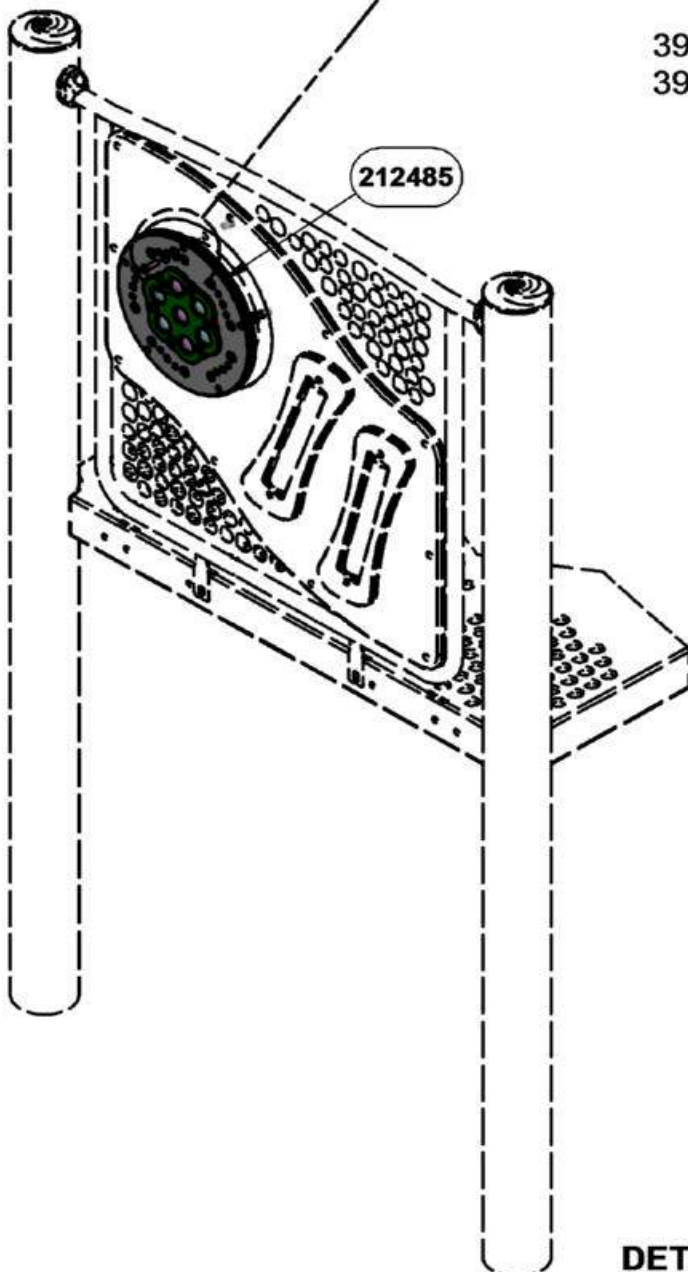
SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



STEP 1

3950 - 5 PLACES

3951 - 8 PLACES



**REFER TO
PARTS LIST
FOR PROPER PANEL**

DETAIL VIEW

Parts List			
DESCRIPTION	3950	3951	PART NUMBER
12" ROLLER BALL PANEL	1	0	212485
20" ROLLER BALL PANEL	0	1	212486
HARDWARE COMPLETE	1	0	212465
HARDWARE COMPLETE	0	1	212475
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	5	8	812051*
3/8" BARREL NUT	5	8	804804*
3/8" FLAT WASHER	5	8	817410*
3/8" LOCK WASHER	5	8	817334*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.



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1-800-235-2440

3965

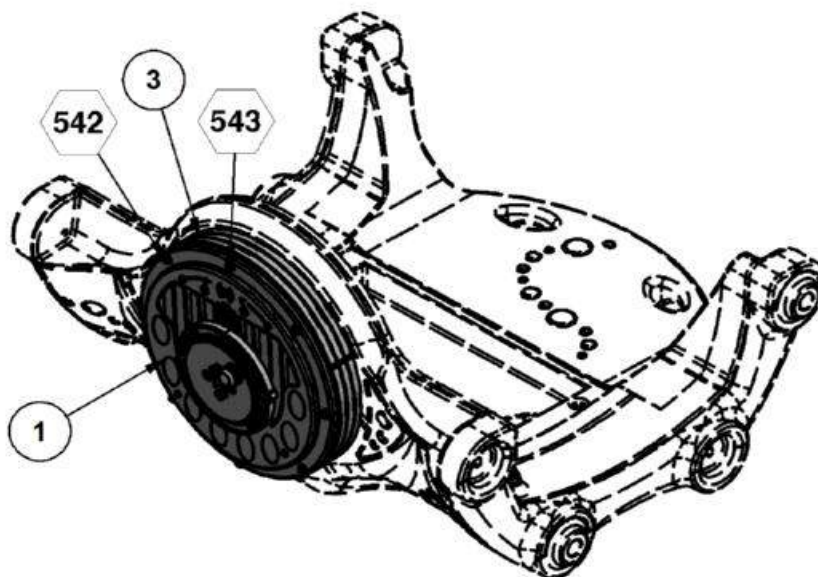
PIANO SENSOR

ISSUED/REVISED: 10/10/2019

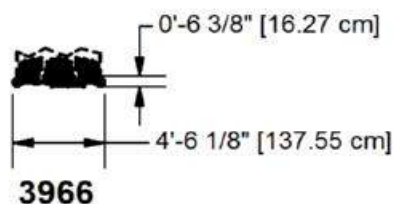
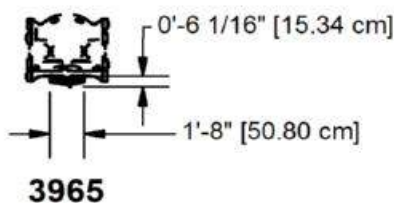
- ⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE



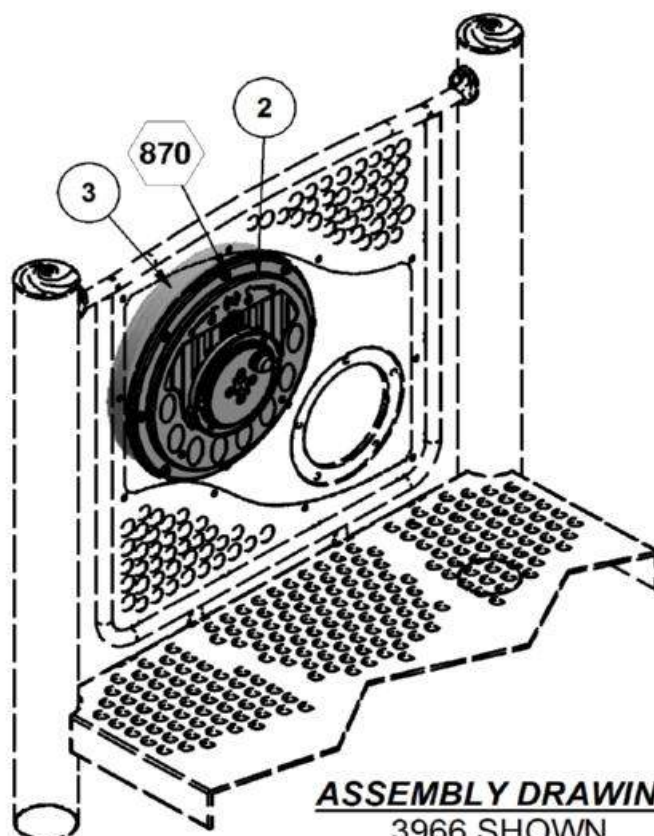
PIANO SENSOR 3965
PIANO SENSOR w/ BACK 3966



ASSEMBLY DRAWING
3965 SHOWN



TOP VIEW



ASSEMBLY DRAWING
3966 SHOWN

Parts List				
REF	DESCRIPTION	3965	3966	PART NUMBER
1	PIANO SENSOR 20" ROTOGEN	1	0	218237
2	PIANO SENSOR w/ BACK 20" ROTOGEN	0	1	218238
3	SPACER	6	2	212416
	HARDWARE COMPLETE	1	0	218271
	HARDWARE COMPLETE	0	1	218272
	3/8 x 2 1/2" P.B.H.C.S w/PATCH	0	4	812057*
	3/8" x 3" P.B.H.C.S. w/PATCH	4	4	812059*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076*
	3/8" FLAT WASHER	8	8	817410*
	3/8" LOCK WASHER	8	8	817334*
	3/8" T-NUT	4	0	804556*
	3/8" BARREL NUT	0	8	804804*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

INSTALLATION INSTRUCTIONS

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.

STEP 1. Piano Sensor 3965 panel shall be attached to HDPE Spacer Rings as per Detail 542.

STEP 2. Piano Sensor 3965 panel shall be attached to mounting surface as per Detail 543.

STEP 3. Piano Sensor 3966 panel shall be attached to mounting surface as per Detail 870.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

SPECIFICATIONS

PIANO SENSOR PANEL: The Piano Sensor panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within a 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. NOTE: All weights are based on average comparisons of each part.

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

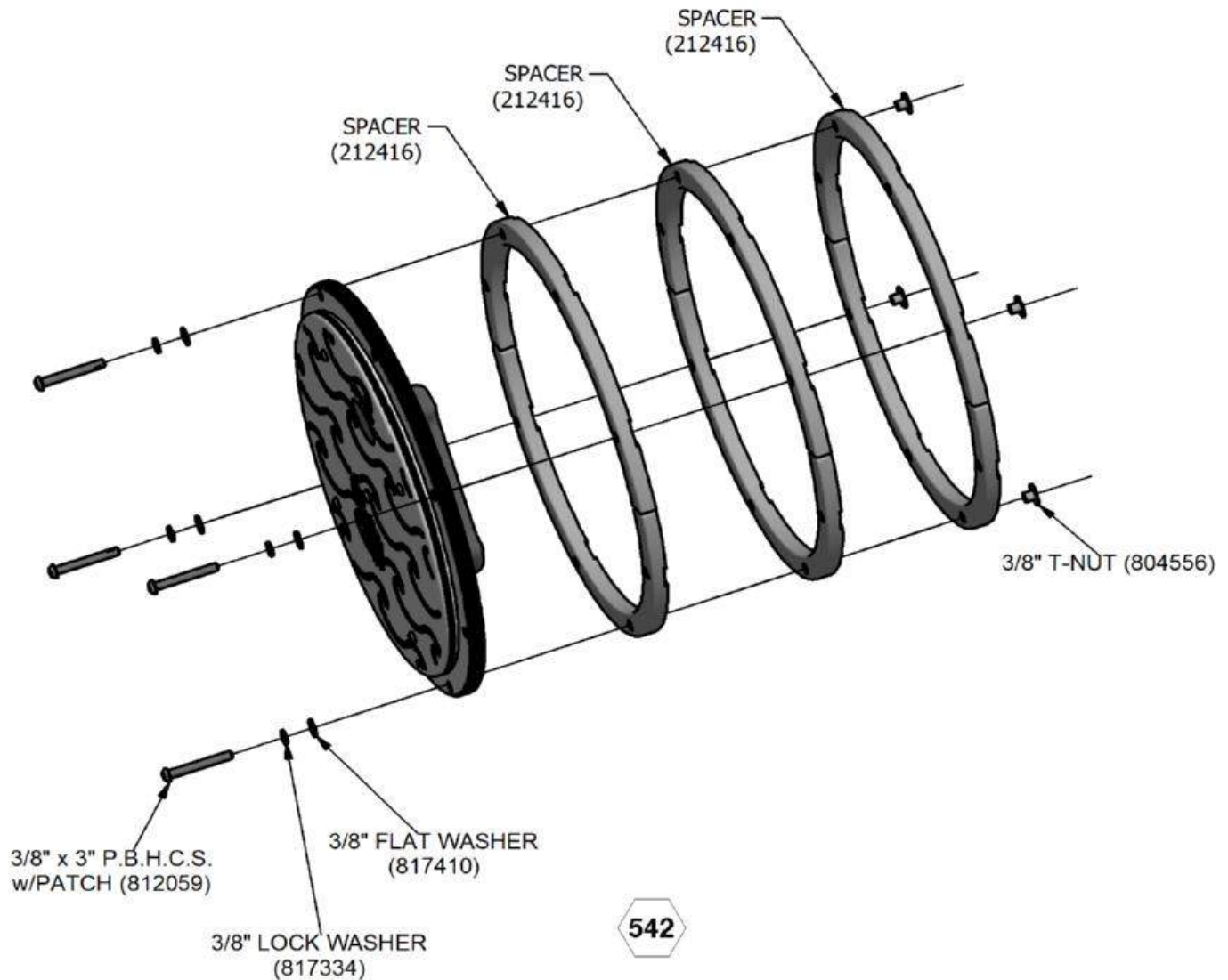
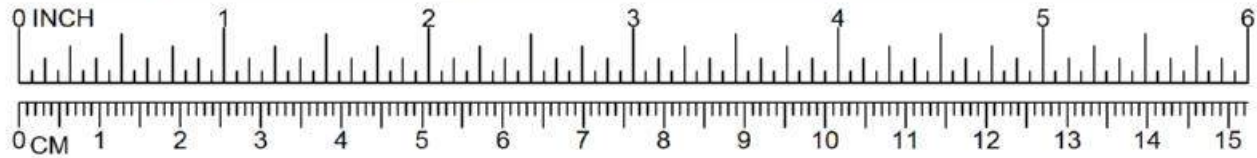
DETAILS -for- 3965 AND 3966

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.



542

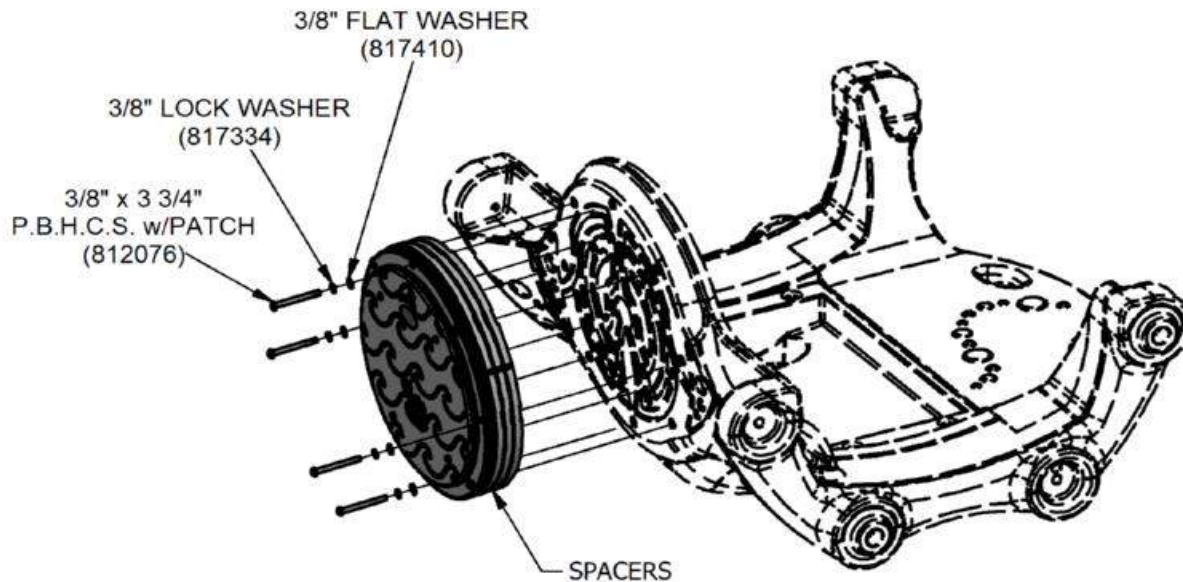
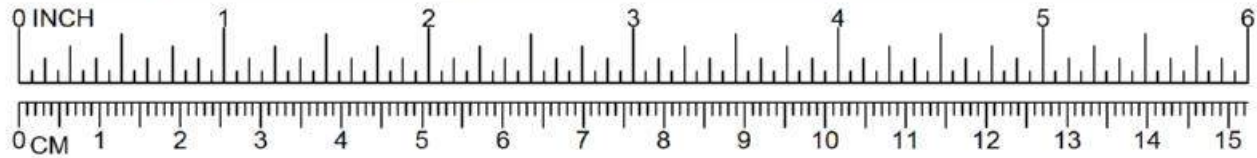
DETAILS -for- 3965 AND 3966

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.



543

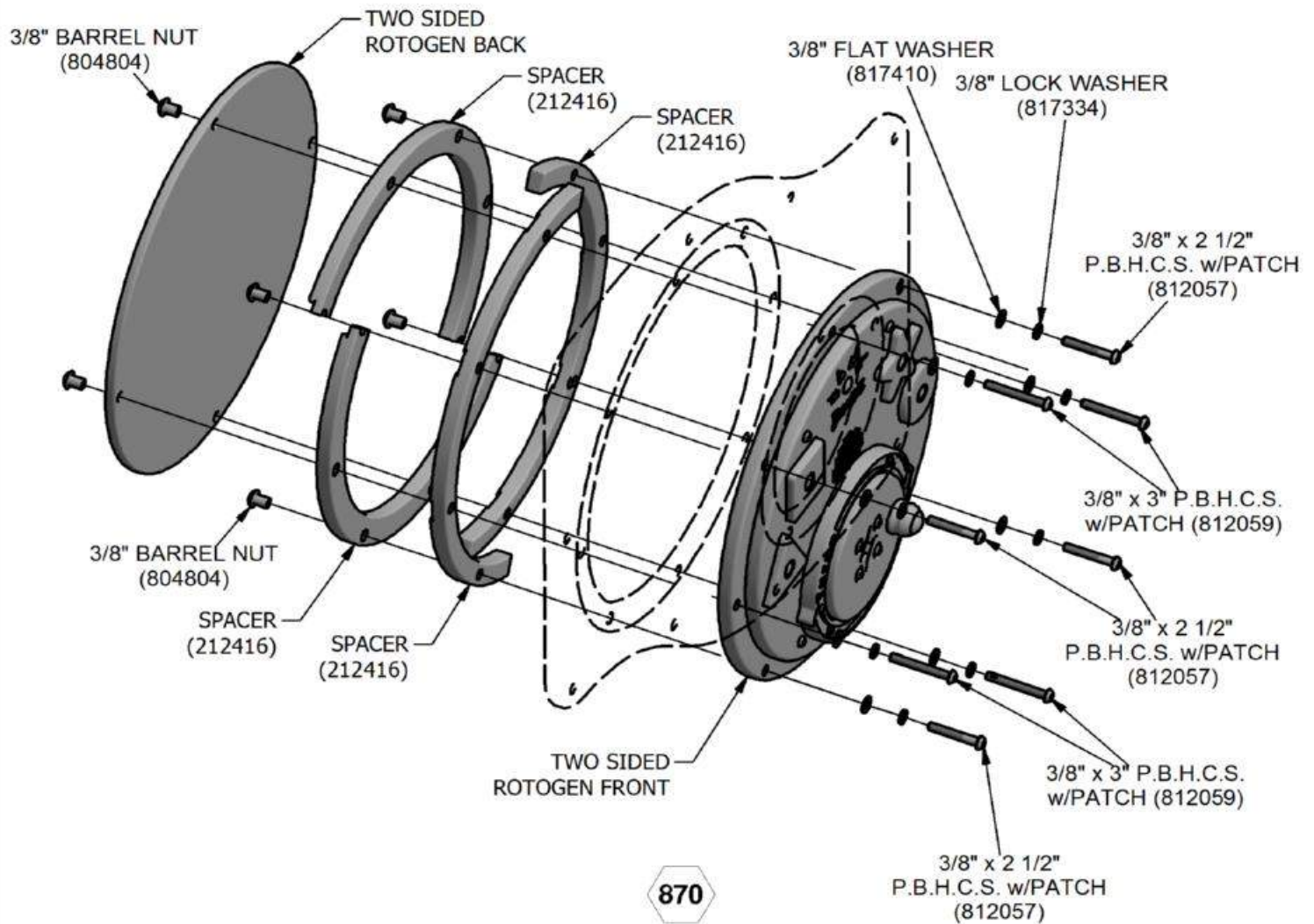
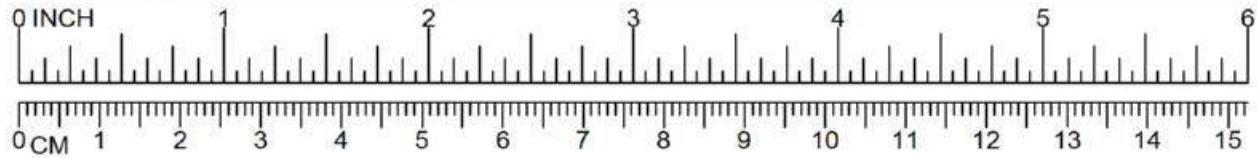
DETAILS -for- 3965 AND 3966

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.

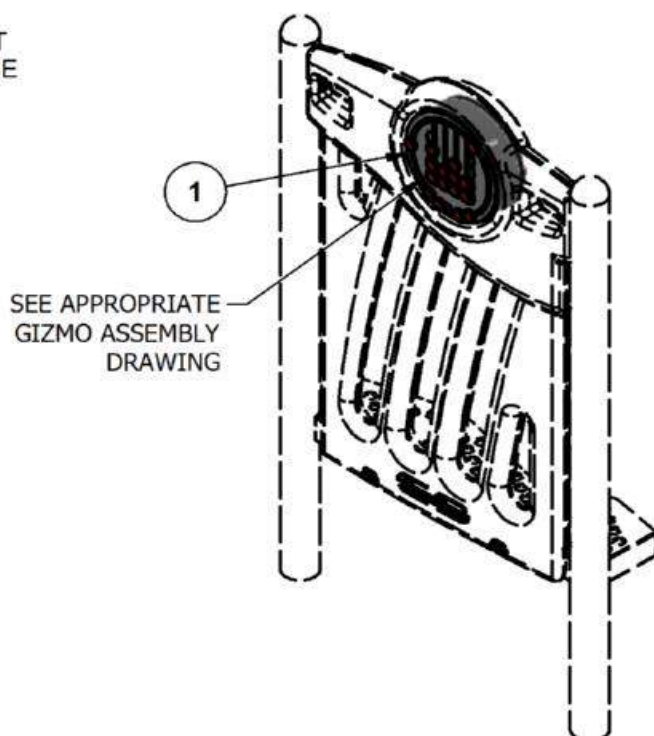
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



GIZMO 3 IN-A-ROW

ISSUED/REVISED: 10/23/2019

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE



ASSEMBLY DRAWING
4870 SHOWN
OTHERS SIMILAR

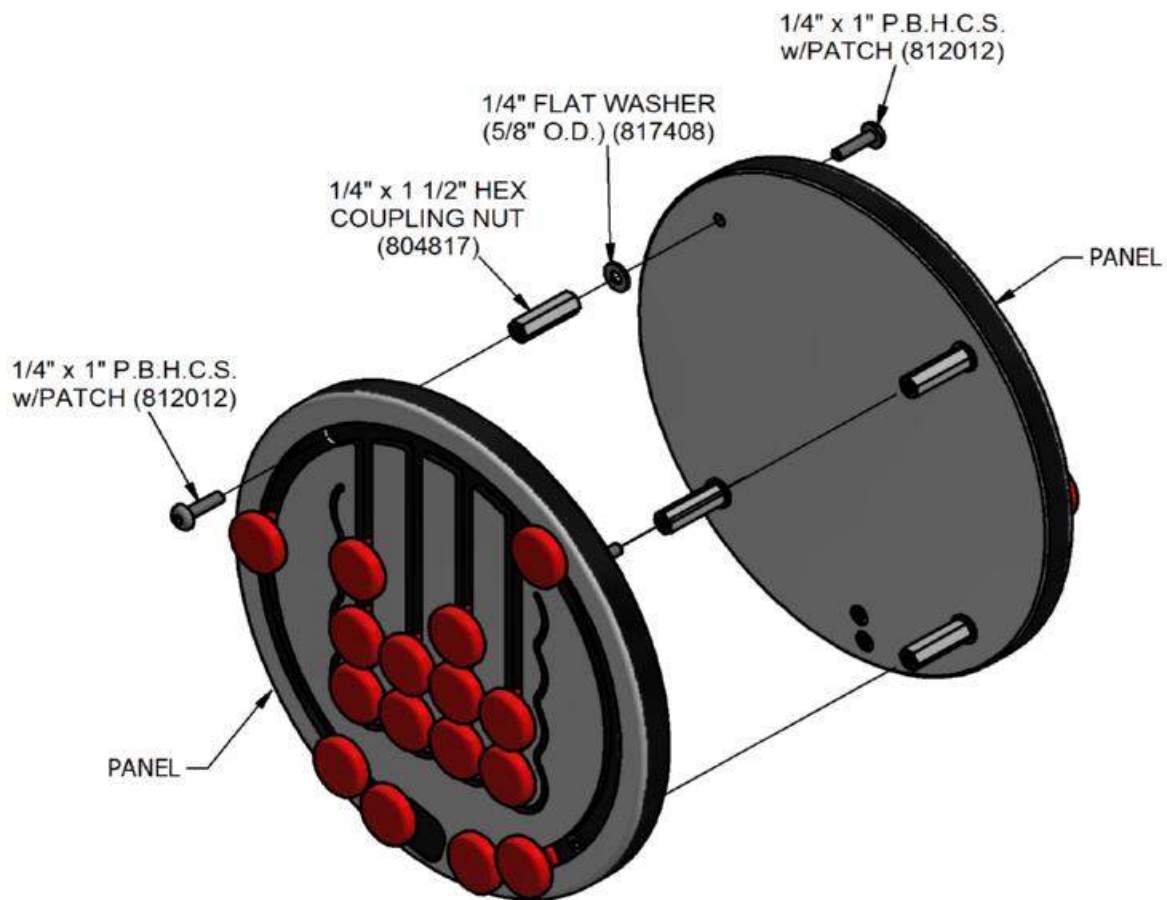
3 IN-A-ROW	4870
3 IN-A-ROW W/ BACK	4871
3 IN-A-ROW W/ MAZE	4872
MAZE	4873
MAZE W/ BACK	4874

Parts List							
REF	DESCRIPTION	4870	4871	4872	4873	4874	PART NUMBER
1	3 IN-A-ROW GIZMO PANEL	2	1	1	0	0	218366
2	BACK FINGER MAZE GIZMO PANEL	0	1	0	0	1	218367
3	MAZE SLIDER GIZMO PANEL	0	0	1	2	1	218368
	HARDWARE COMPLETE	1	1	1	1	1	218369
	1/4" x 1" P.B.H.C.S. w/PATCH	8	8	8	8	8	812012*
	1/4" FLAT WASHER (5/8" O.D.)	4	4	4	4	4	817408*
	1/4" x 1 1/2" HEX COUPLING NUT	4	4	4	4	4	804817*

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

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

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

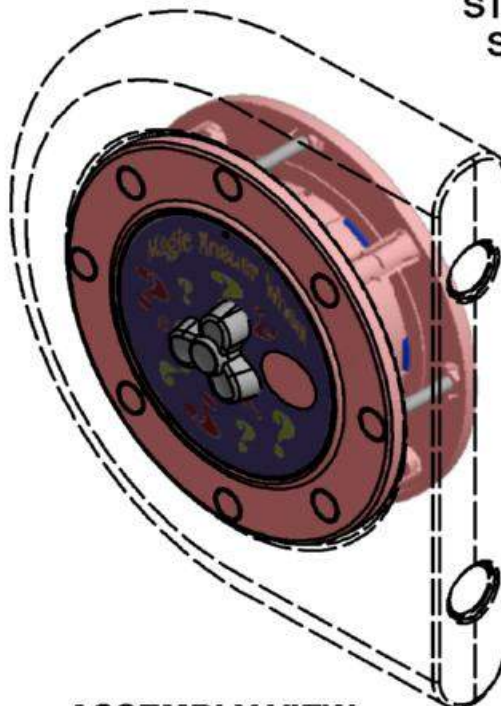


ASSEMBLY DRAWING
4870/4871/4872/4873/4874

GIZMO ASSEMBLIES

ISSUED/REVISED: 11/15/2021

ANSWER WHEEL	4956
BUBBLE MIRROR	4957
HYPNO WHEEL	4958
MAZE WHEEL	4959
STAINED GLASS YELLOW	4960
STAINED GLASS GREEN	4961
ECHO CHAMBER	4962



ASSEMBLY VIEW
4956 SHOWN
OTHERS SIMILAR

Parts List								
DESCRIPTION	4956	4957	4958	4959	4960	4961	4962	PART NUMBER
ANSWER WHEEL	1	0	0	0	0	0	0	219419
BUBBLE MIRROR	0	1	0	0	0	0	0	219420
HYPNO WHEEL	0	0	1	0	0	0	0	219421
MAZE WHEEL	0	0	0	1	0	0	0	219422
STAINED GLASS YELLOW	0	0	0	0	1	0	0	219423
STAINED GLASS GREEN	0	0	0	0	0	1	0	219725
ECHO CHAMBER	0	0	0	0	0	0	1	220825

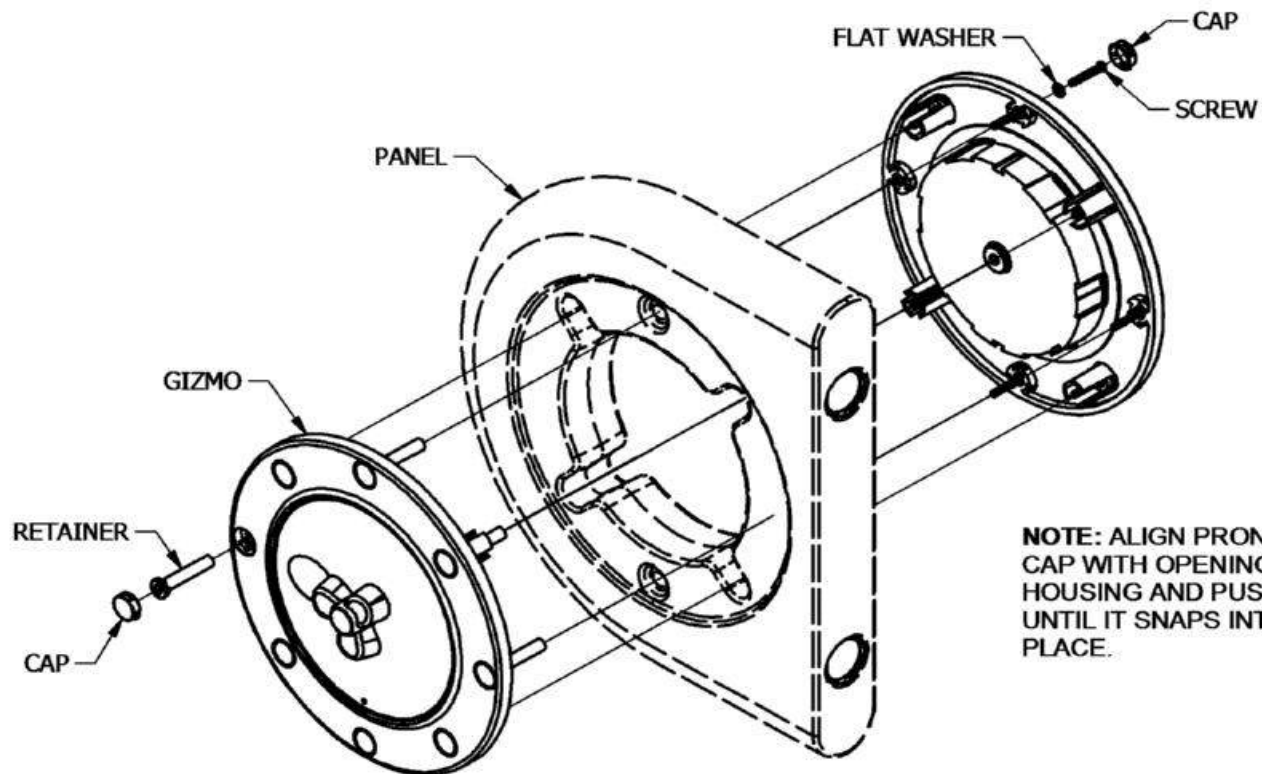
Unless Otherwise Specified, All Units of Measure are Each

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.

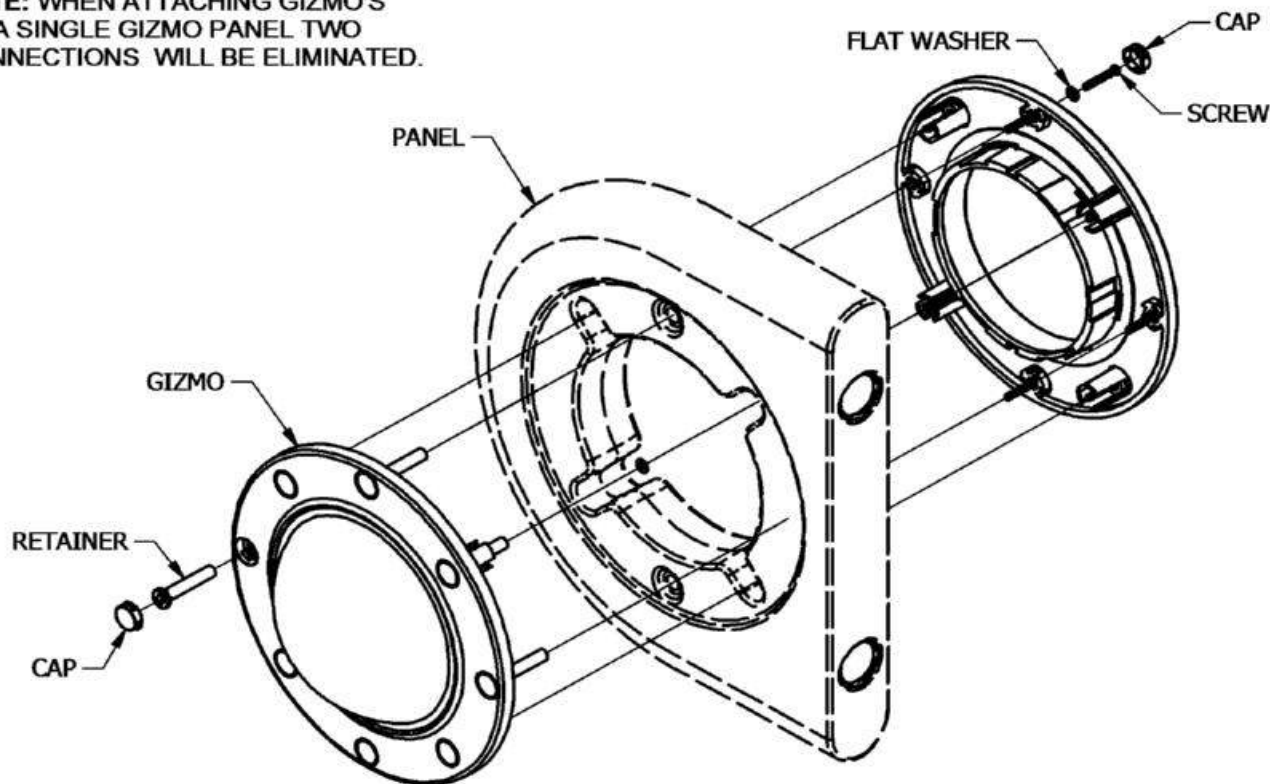
To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more that two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.



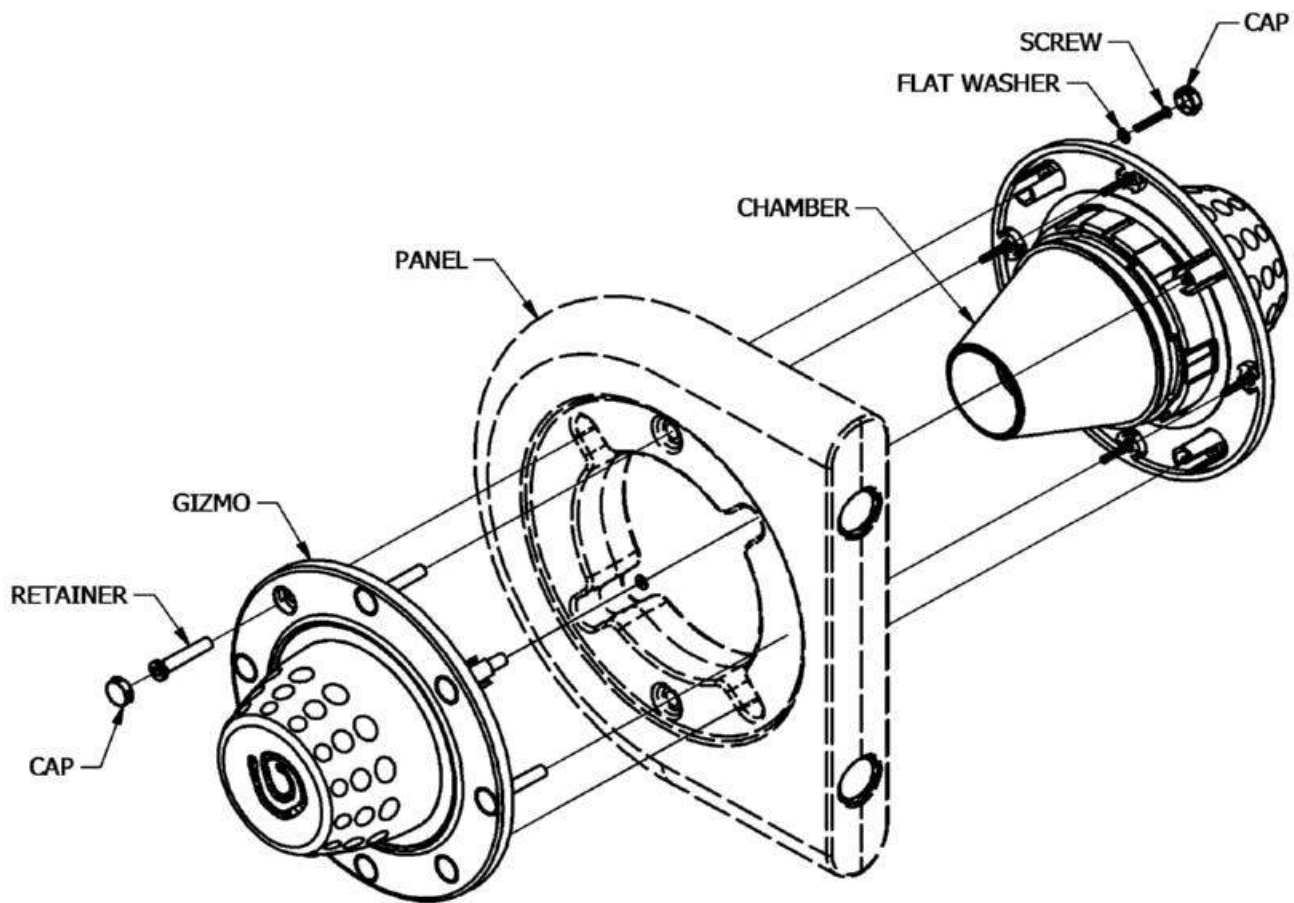
DETAIL VIEW
4956, 4958, AND 4959

4956 ONLY: MOUNT ANSWER WHEEL SO ANSWER IN WINDOW IS ON THE RIGHT SIDE.

NOTE: WHEN ATTACHING GIZMO'S TO A SINGLE GIZMO PANEL TWO CONNECTIONS WILL BE ELIMINATED.



DETAIL VIEW
4957, 4960, AND 4961



NOTE: WHEN ATTACHING GIZMO'S
TO A SINGLE GIZMO PANEL TWO
CONNECTIONS WILL BE ELIMINATED.

DETAIL VIEW
4962 ONLY

NOTE: ALIGN PRONGS OF
CAP WITH OPENINGS OF
HOUSING AND PUSH IN
UNTIL IT SNAPS INTO
PLACE.



Enriching Childhood Through Play.

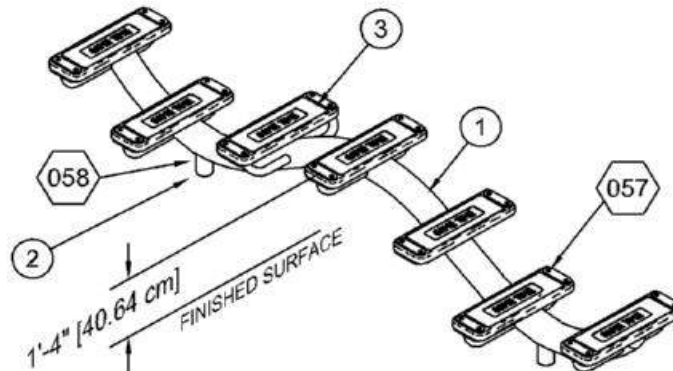
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8665

INCHWORM CLIMBER

ISSUED/REVISED: 3/24/2023

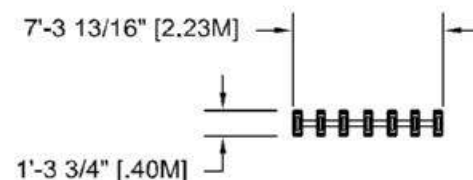
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE



ASSEMBLY DRAWING

SPECIFICATIONS

The center rail shall be fabricated from 3-1/2" O.D. 11 gauge (.120") galvanized round tubing. The footboards shall be 5" wide x 20" long x 1-1/16" thick. Each footboard is comprised of an internal "C" channel insert, which is extruded from 6005-T5 aluminum (ASTM B221), and a supple outer coating made from tough EPDM rubber with a 58-62 durometer rating. The rubber coating is hermetically molded around the aluminum insert, providing an attractive slip resistant surface. Air cells are molded into the rubber coating along the wide sides of the footboards and serve as cushions. The footboards are supported independently by formed 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing and 3/16" thick hot rolled flat steel mounting tabs. The climber shall be a one-piece welded assembly and shall be coated with a custom formula of TGIC polyester powder in conformance with the specification outlined herein after fabrication.



TOP VIEW

*OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F1292 AND ASTM F1487 (U.S.) OR CAN/CSA-Z614 (CANADA).

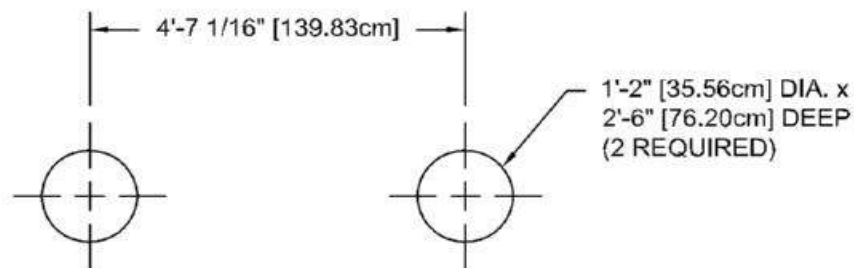
*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.



GROUND PLAN

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

INSTALLATION INSTRUCTIONS

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

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

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

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

NOTE: Place a brick or equivalent at the bottom of ground holes (where shown) to provide a solid foundation. Allow for this in hole depth. See Detail 032.

STEP 1: Dig holes according to Ground Plan.

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

STEP 2: Place the Inchworm Climber into holes, making sure it rests on the brick.

STEP 3: Level the Inchworm Climber using sway bracing.

STEP 4: Pour concrete according to the footing details. Allow 48 hours minimum for concrete to harden before using and removing sway braces.

SPECIFICATIONS: GAMETIME has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Inchworm Climber Ass'y	1	159920
2	Extension	2	168187
	Hardware Complete	1	160406
3	Swing Seat	7	163115*
	3/8" x 1 3/4" B.H.C.S.	4	811054*
	3/8" x 1 1/2" B.H.C.S.	28	811053*
	3/8" Flatwasher	56	817410*
	3/8" Hex Nut	28	804053*
	3/8" Lockwasher	32	817334*
	3/8" Barrel Nut	4	804804*

*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.

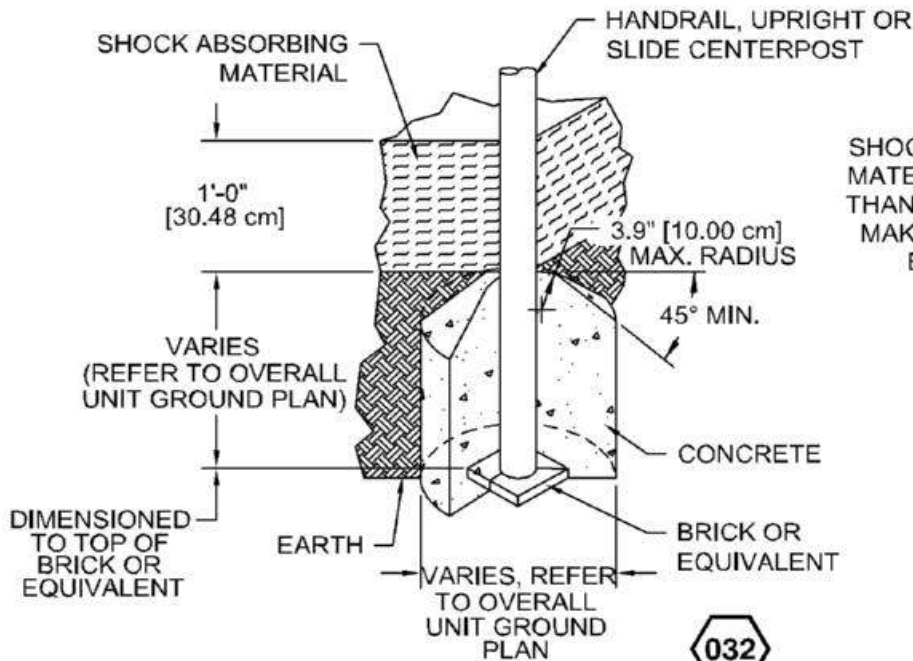
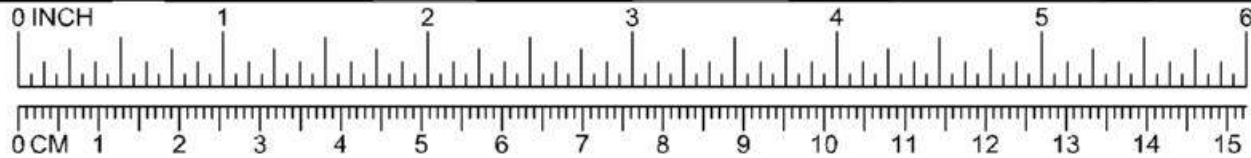
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 8665

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

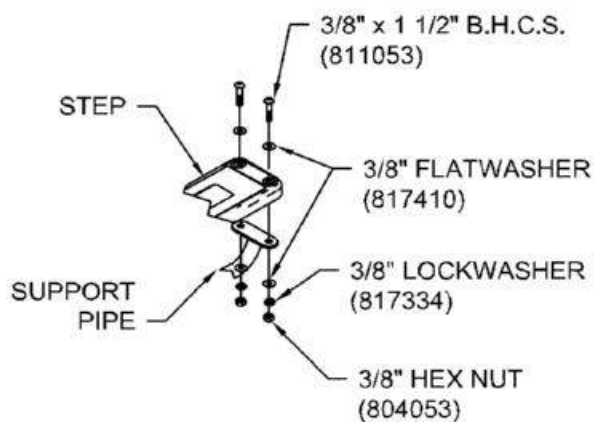


SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

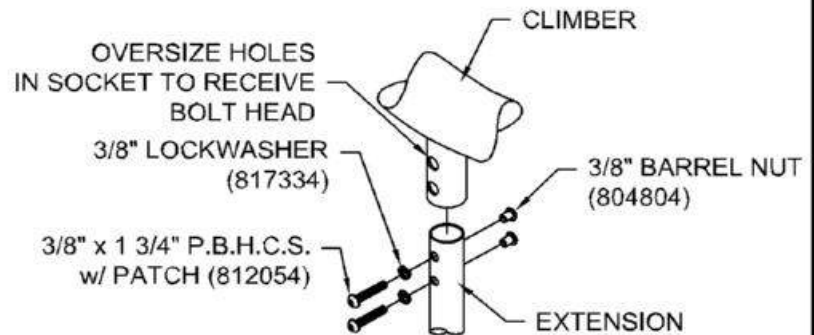
NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032



057



058



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1-800-235-2440

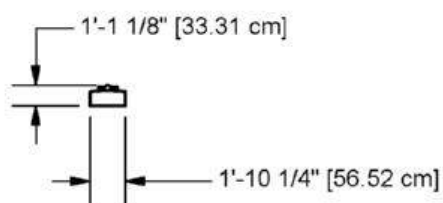
14926

NATIONAL DEMONSTRATION SITE SIGN PACKAGE

ISSUED/REVISED: 2/15/19

- ⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE

NDS FITNESS SIGN PACKAGE	14926
NDS PLAY ON SIGN PACKAGE	14927
NDS INCLUSIVE PLAY SIGN PACKAGE	14928
NDS PATHWAYS FOR PLAY SIGN PACKAGE	14929
NDS NATURE GROUNDS SIGN PACKAGE	14930



TOP VIEW

ASSEMBLY VIEW

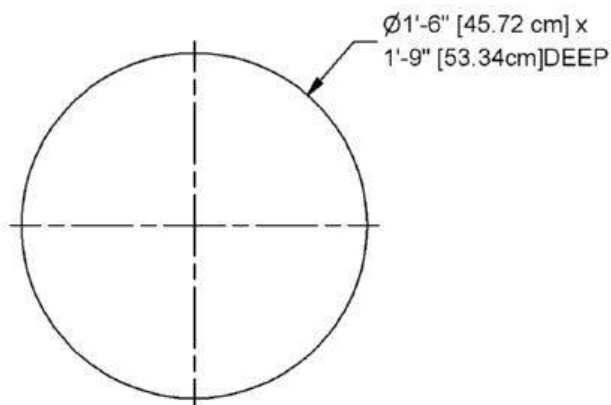
Parts List							
REF.	DESCRIPTION	14926	14927	14928	14929	14930	PART NUMBER
1	SIGN POST WELD ASS'Y	1	1	1	1	1	216574
2	NDS FITNESS SIGN	1	0	0	0	0	216564
2	NDS PLAY ON SIGN	0	1	0	0	0	216566
2	NDS INCLUSIVE PLAY SIGN	0	0	1	0	0	216568
2	NDS PATHWAYS FOR PLAY SIGN	0	0	0	1	0	216570
2	NDS NATURE GROUNDS SIGN	0	0	0	0	1	216572
	HARDWARE COMPLETE	1	1	1	1	1	216580
	1/4" x 3/4" B.H.C.S.	4	4	4	4	4	811010*
	1/4" LOCK WASHER	4	4	4	4	4	817327*
	1/4" FLAT WASHER (5/8" O.D.)	4	4	4	4	4	817408*
	1/2" ANCHOR ROD	1	1	1	1	1	135038*

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

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

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

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



GROUND PLAN

CONCRETE REQUIRED:
 .12 CUBIC YARDS
 [.09 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 298. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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. Bracing material may be required during assembly.

STEP 1: Dig required hole. Place a brick or equivalent in the bottom of hole to provide a solid foundation. See Assembly Drawing and Ground Plan.

STEP 2: Bolt Sign onto Sign Post Weld Assembly as Shown in Detail 834.

STEP 3: Place Anchor Rod into Sign Post Weld Ass'y using Detail 837.

STEP 4: Place Assembly into center of ground hole, plumb and level. Pour concrete in ground hole all 48 hours to cure.

SPECIFICATIONS

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

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

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

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

SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

DETAILS -for- 14926-14930

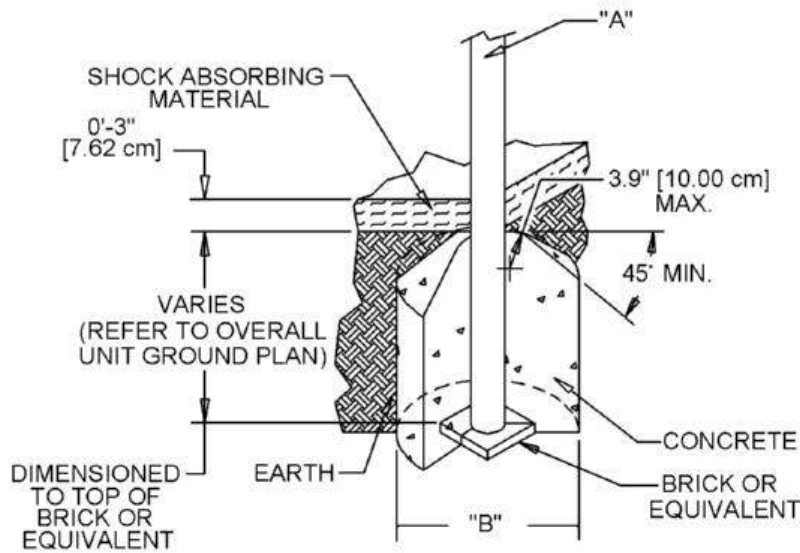
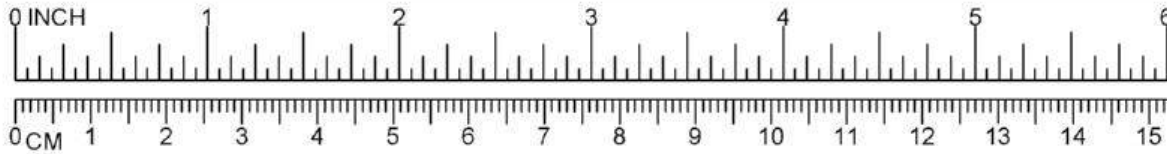
IMPORTANT

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.

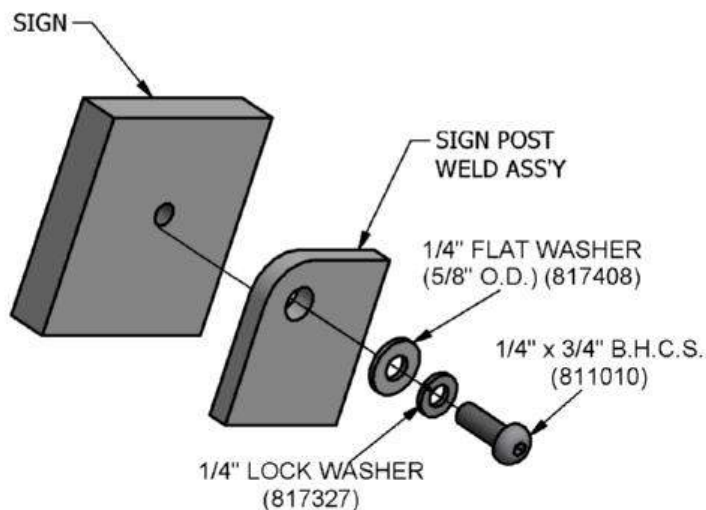


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

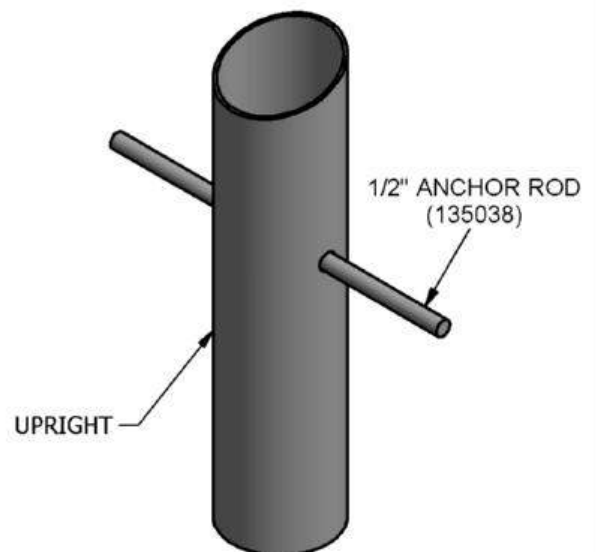
NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

298



834



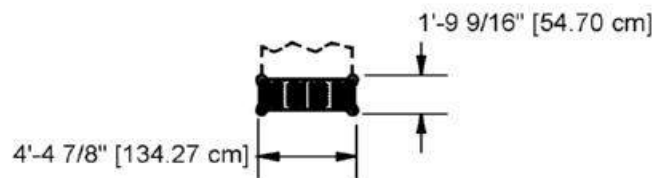
837

16465 ADA SLIDE TRANSFER PLATFORM

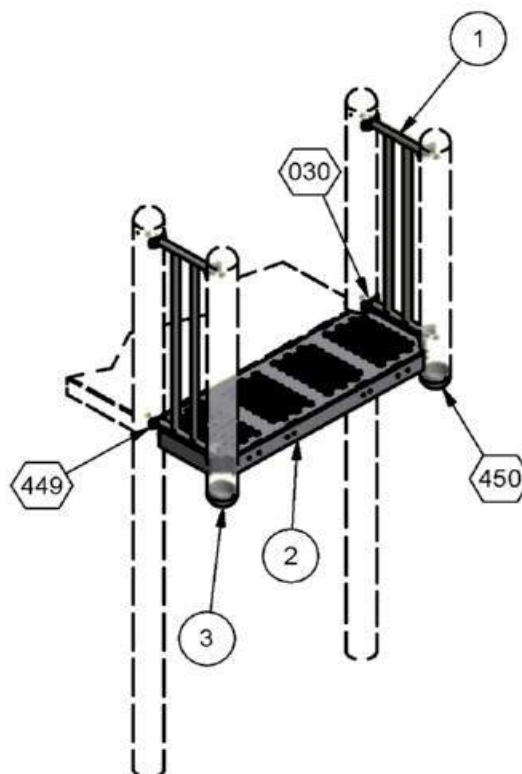
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	HANDRAIL	2	176344
2	PLATFORM	1	V10054
3	ALUMINUM END CAP	2	166376
	*****HARDWARE COMPLETE*****	1	200649
	3/8" x 1 1/2" P.B.H.C.S.	8	810053
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	16	812053
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424
	3/8" LOCK WASHER	24	817334
	SELF SEALING POP-RIVET	4	140068
	3/8" FLAT WASHER	16	817410

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.

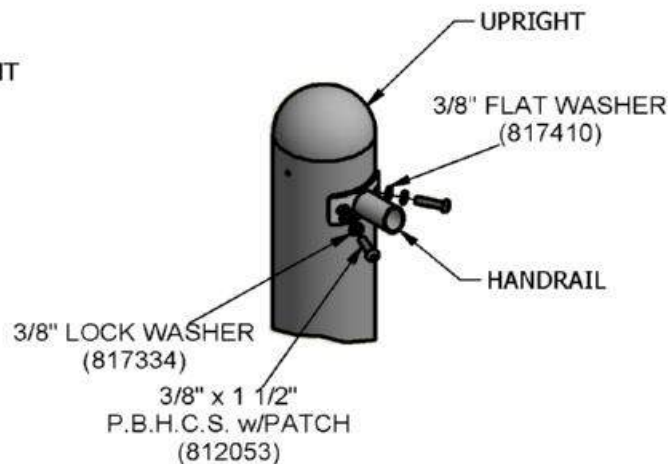
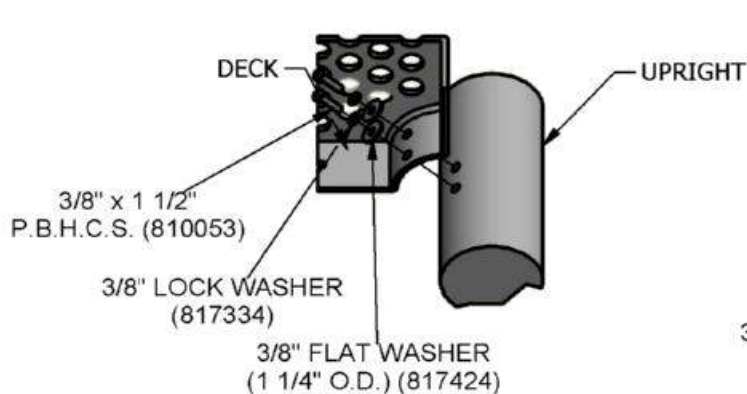
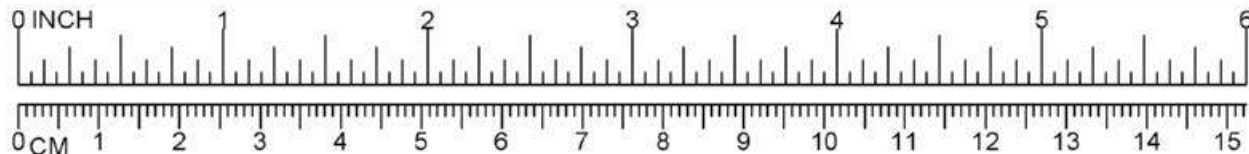
DETAILS -for- 16465

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.

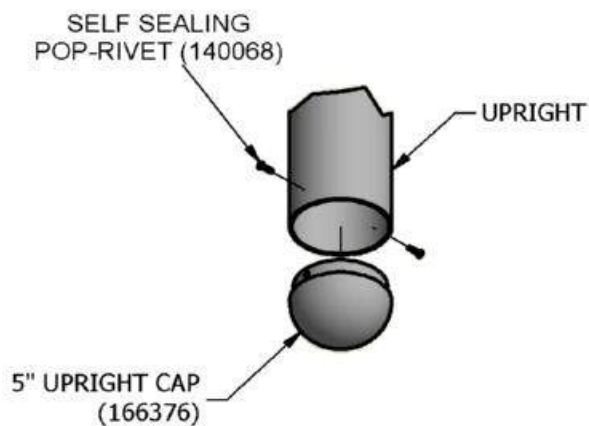


*NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

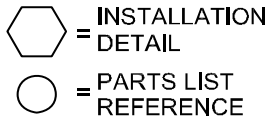
030

449

*NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.



450



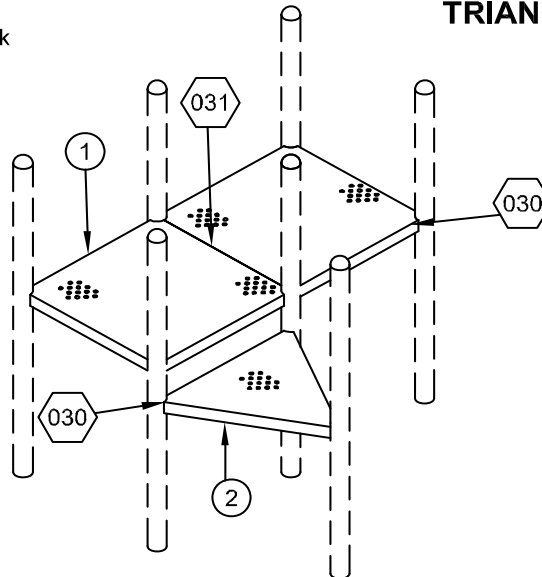
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 16700
TRIANGLE 16701

**INSTALLATION
INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Dig ground holes per Ground Plan. See system topview for quantity.
3. Attach deck to uprights using (1) Detail 030 per upright.
4. Loctite (supplied by others) should be used on all threaded hardware.
5. When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.

NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING

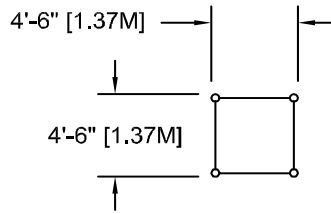
PARTS LIST

REF NO.	DESCRIPTION			PART NUMBER
		16700	16701	
1	ADA Deck, Square	1	0	163310
2	ADA Deck, Triangle	0	1	163323
	Hardware Complete	1	0	161254
	Hardware Complete	0	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	2	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
	3/8" Tee-Nut	2	2	804556*
	3/8" Lockwasher	10	8	817334*
	3/8" Flatwasher (1 1/4" O.D.)	10	8	817424*

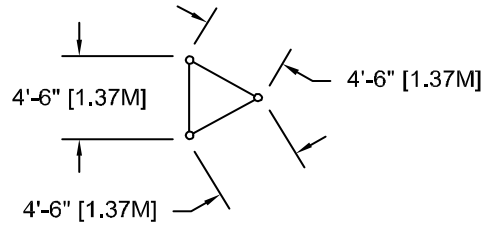
Unless Otherwise Specified, All Units of Measure are Each

* 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.

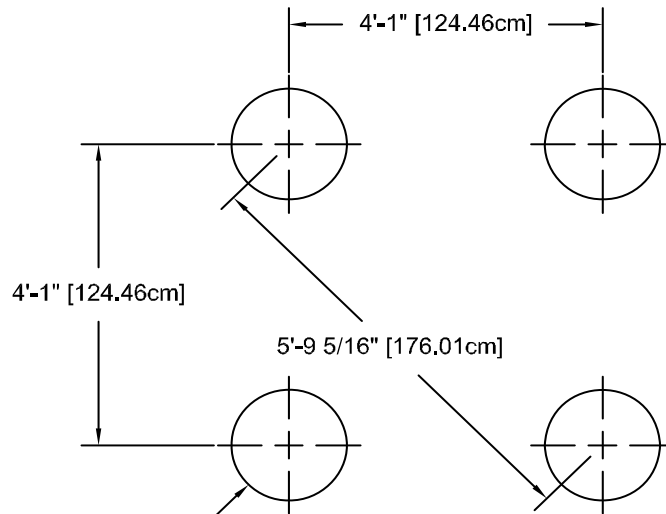


16700



16701

TOP VIEWS

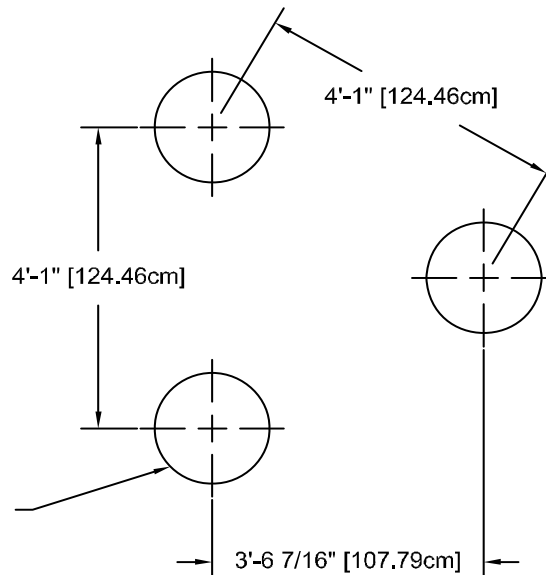


16700

1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

Concrete Required
.10 Cubic Yards [.07 cm]
Per Upright Ground Hole

Note: Hole Depths Indicated
on All Ground Plans are
Measured From The Finished
Surface. See Detail 032. All
Footing Dimensions are Based
on Level Finished Surface.



16701

1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

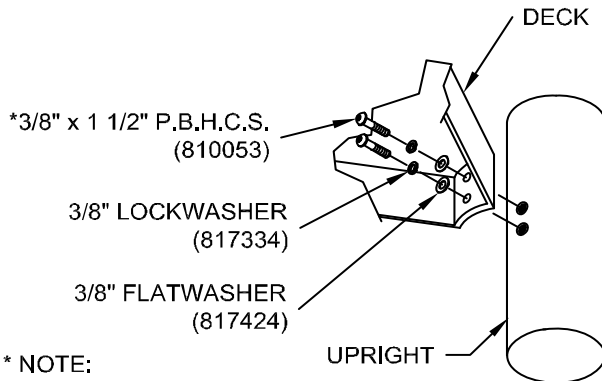
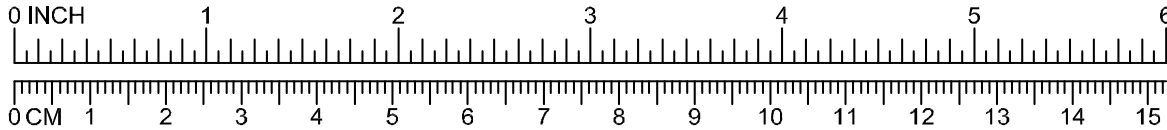
GROUND PLANS

DETAILS -for- 16700 & 16701

IMPORTANT

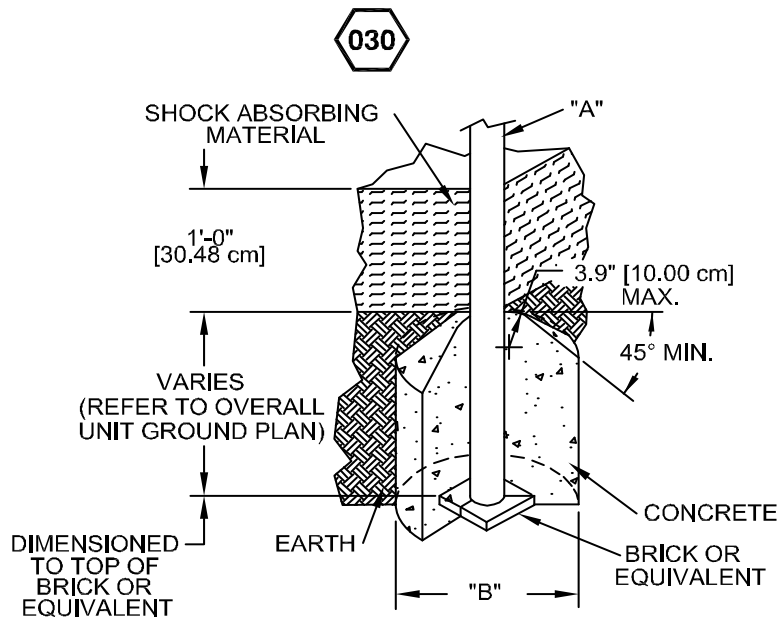
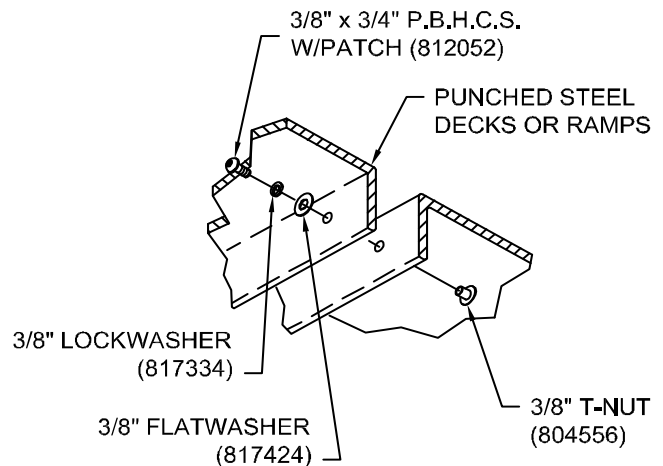
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



* NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

* NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.



DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

16717 ACCESSIBLE RAMP LINK

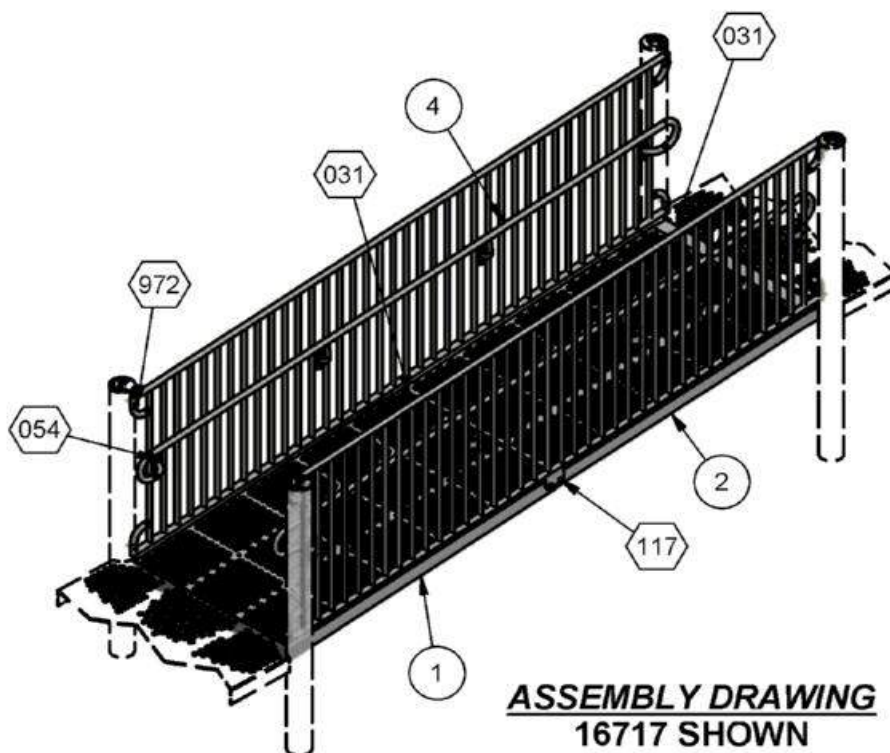


16717
 1'-6" THRU 5'-0"
 90674
 90676
 1'-6" THRU 2'-6"



16717
 1'-6" THRU 8'-0"
 90674
 90676
 90677
 1'-6" THRU 4'-0"

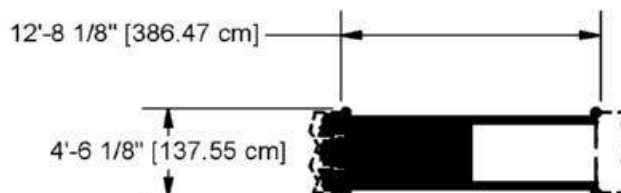
NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.



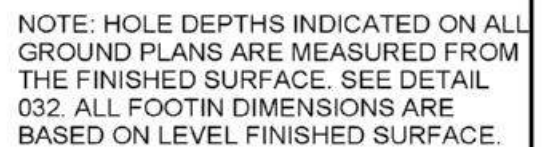
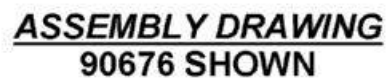
**ASSEMBLY DRAWING
16717 SHOWN**

INSTALLATION INSTRUCTIONS

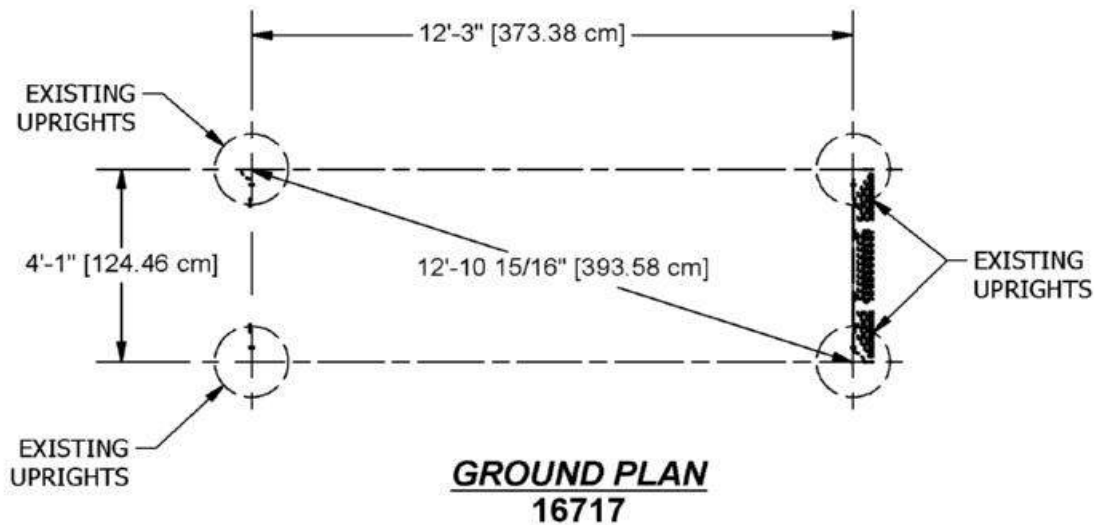
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.



TOP VIEW



GROUND PLAN
90674, 90676 & 90677



Parts List						
REF.	DESCRIPTION	16717	90674	90676	90677	PART NUMBER
1	RAMP SECTION	1	1	1	1	164045
2	RAMP SECTION	1	1	1	1	164042
3	RAMP BARRIER	2	0	0	0	176711
3	RAMP GUARDRAIL WELD ASS'Y	0	2	2	2	205003
4	HAND HOLD	2	2	2	2	176728
5	GROUND SUPPORT 2'	0	2	0	0	205414
5	GROUND SUPPORT 3'	0	0	2	0	205416
5	GROUND SUPPORT 4'	0	0	0	2	205418
	HARDWARE COMPLETE	1	0	0	0	166304
	HARDWARE COMPLETE	0	1	1	1	205437
	3/8" x 3/4" P.B.H.C.S. w/PATCH	16	16	16	16	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	16	16	16	16	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	0	2	2	2	801013*
	3/8" FLAT WASHER	40	40	40	40	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCK WASHER	40	42	42	42	817334*
	3/8" ACORN NUT	16	16	16	16	804002*
	3/8" T-NUT	16	16	16	16	804556*
	3/8" HEX NUT	0	2	2	2	804053*
	6" EXTENSION	0	2	2	2	151080*

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

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

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

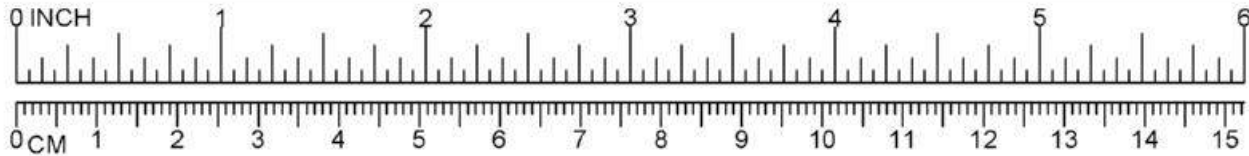
DETAILS -for- 16717, 90674, 90676 & 90677

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.

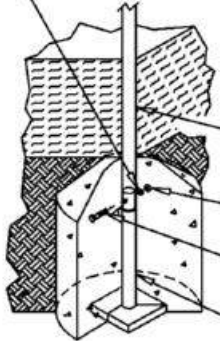
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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

3/8" LOCKWASHER
(817334)



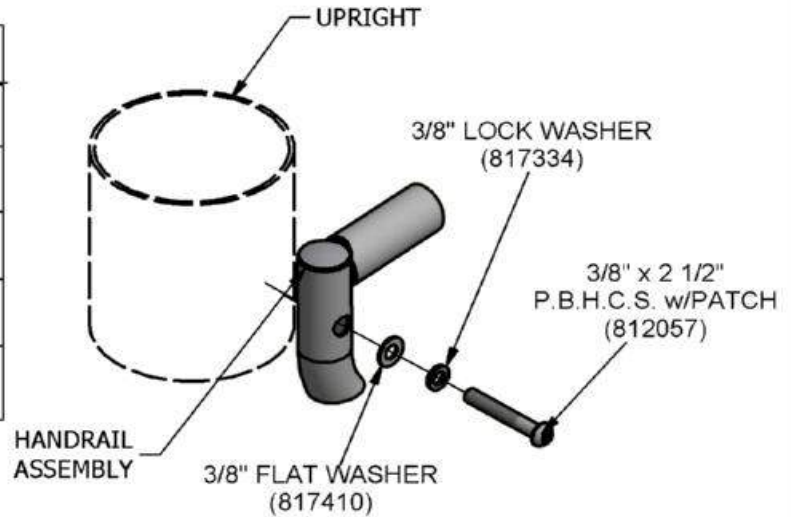
LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

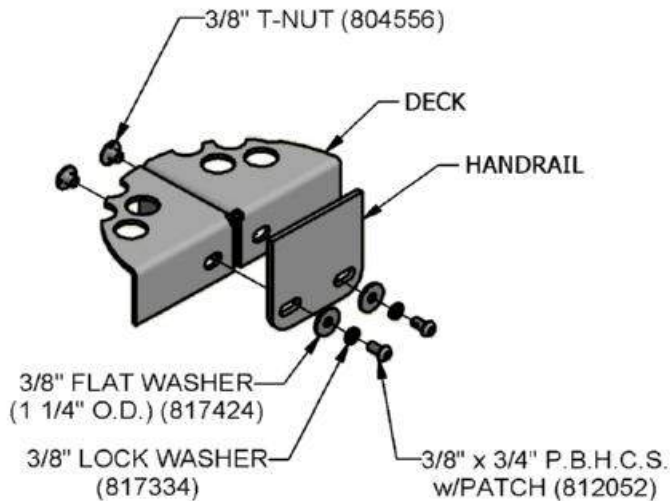
SEE CHART
FOR SIZE

EXTENSION

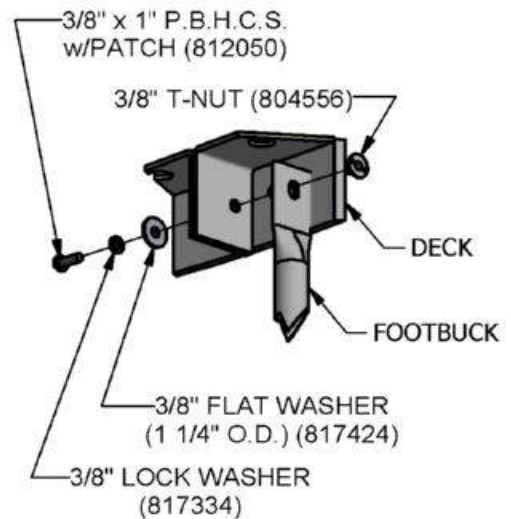
061



972



117



716

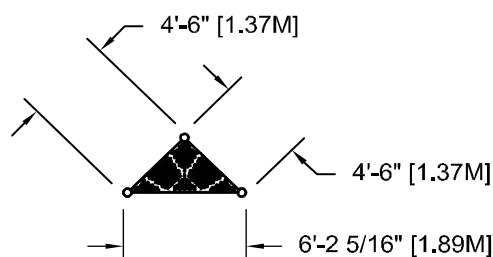
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

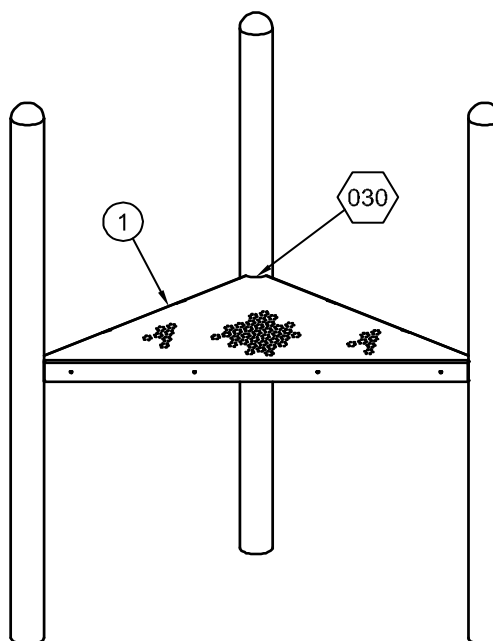
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Dig ground holes per Ground Plan. See system topview for quantity.
3. Attach deck to uprights using (1) Detail 030 per upright.
4. Loctite (supplied by others) should be used on all threaded hardware.
5. When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.

NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



TOP VIEW



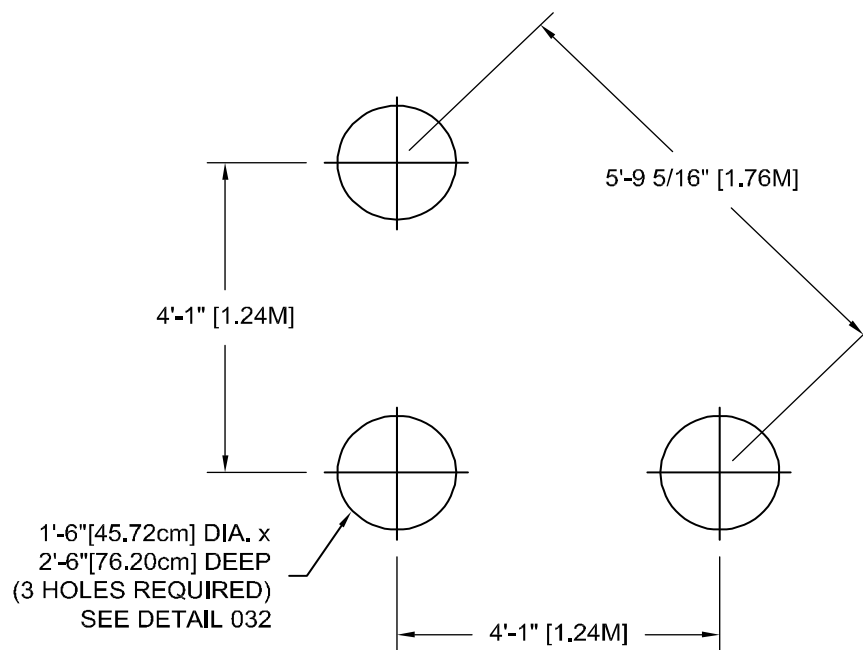
**ASSEMBLY
DRAWING**

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Triangle Deck	1	176231
	Hardware Complete	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	6	812052
	3/8" x 1 1/2" B.H.C.S.	6	810053
	3/8" Tee Nut	6	804556
	3/8" Lockwasher	6	817334
	3/8" Flatwasher (1 1/4" O.D.)	12	817424

*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.



GROUND PLAN

Note: Hole Depths Indicated
on All Ground Plans are
Measured From The Finished
Surface. See Detail 032. All
Footing Dimensions are Based
on Level Finished Surface.

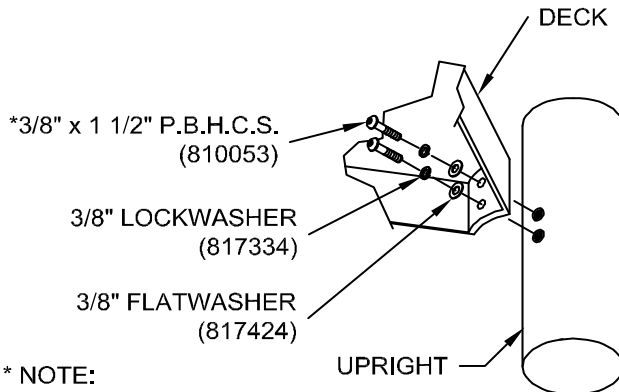
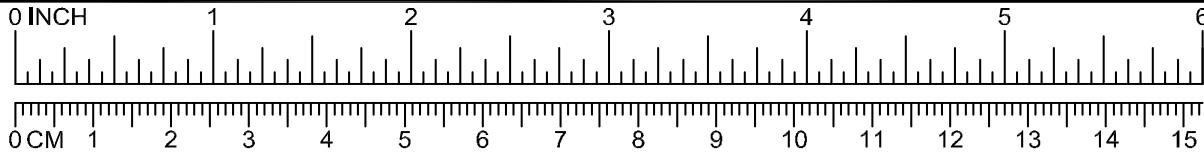
Concrete Required
.30 Cubic Yards
[.23 Cubic Meters]

DETAILS -for- 16803

IMPORTANT

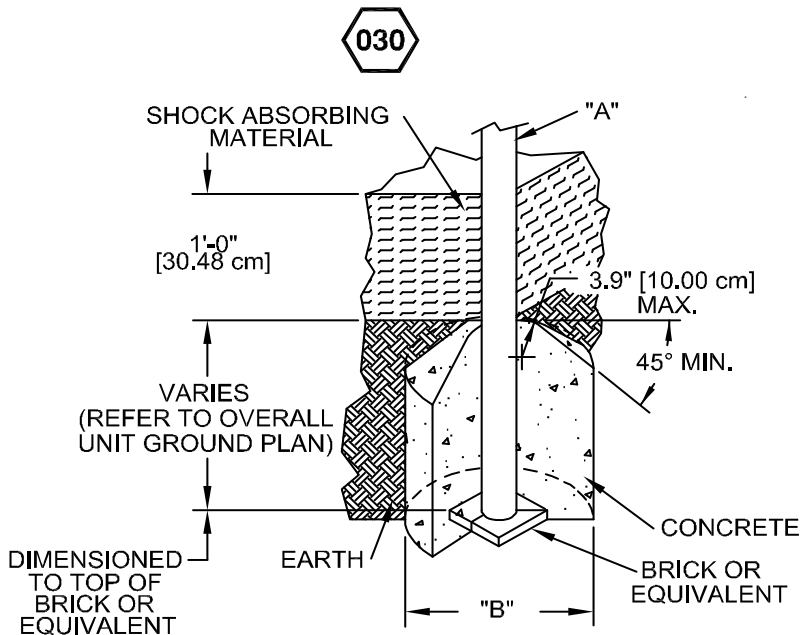
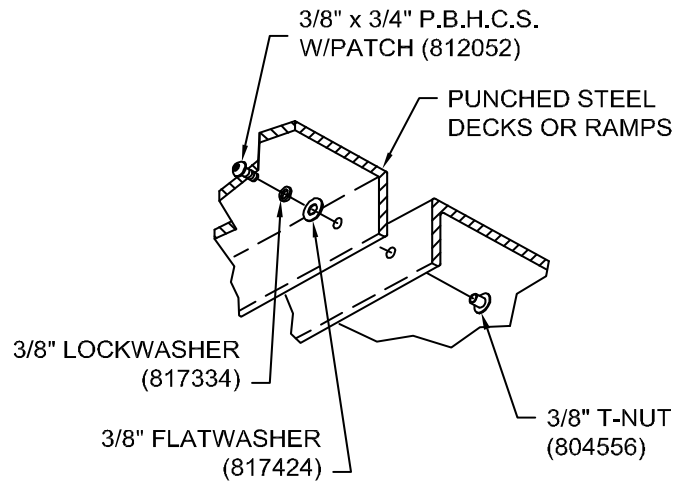
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



* NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

* NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.





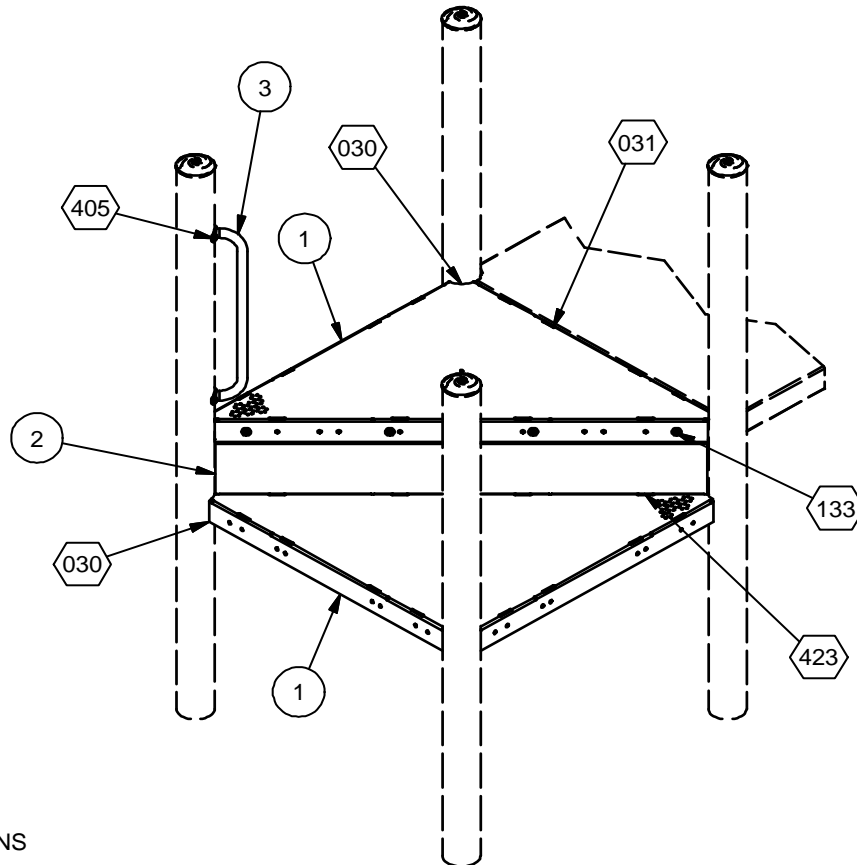
NOTES:
-SLOPED FOOTING IS A REQUIREMENT
OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI

DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

SHOCK ABSORBING PROPERTIES OF SURFACING
MATERIALS VARY. IF YOU DETERMINE THAT LESS
THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
MAKE UP THE DIFFERENCE IN ELEVATION WITH
EARTH, BEFORE APPLYING SURFACING.

16819 ADA 12" STEPPED PLATFORM

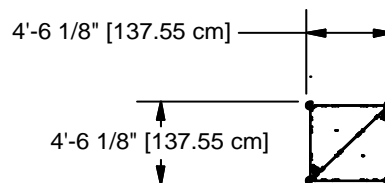
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed Installer Instructions in the Installation Booklet; follow all the instructions during assembly.
 2. Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.
 3. Loctite (supplied by others) should be used on all non-patch hardware.
 4. When Decks are at the same height shown in Assembly Drawing, fasten together using Detail 031.
- Note: Remove vinyl from the two inside holes, ream with 1/2" bit.

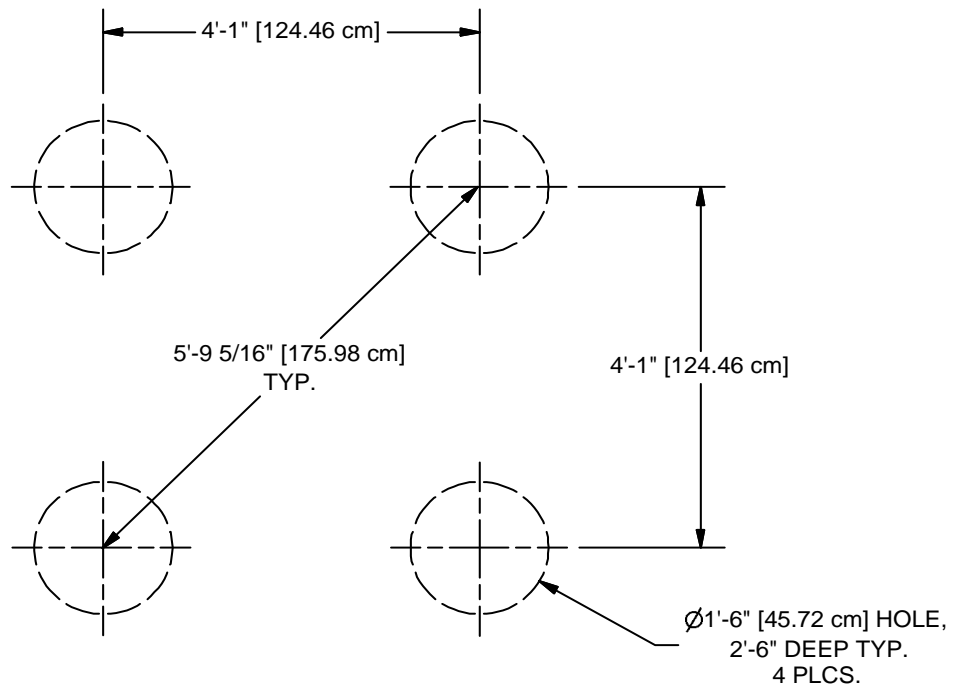


TOP VIEW

SUGGESTED MINIMUM
CONCRETE RATING:
3000 PSI

SLOPED FOOTING IS A
REQUIREMENT OF
EUROPEAN STANDARD
EN1176-1.

CONCRETE REQUIRED:
.39 CUBIC YARDS
[.30 CUBIC METERS]



GROUND PLAN

NOTE: HOLE DEPTHS
INDICATED ON ALL GROUND
PLANS ARE MEASURE FROM
THE FINISHED SURFACE. ALL
FOOTING DIMENSIONS ARE
BASED ON LEVEL FINISHED
SURFACE.

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	12" ADA STEPPED PLATFORM	2	176231
2	FILLER/KICKPLATE	1	176230
3	HANDHOLD	1	207648
	HARDWARE COMPLETE	1	177007
	3/8" x 1 1/2" P.B.H.C.S.	12	810053
	3/8" LOCKWASHER	24	817334
	3/8" FLAT WASHER (1 1/4" O.D.)	20	817424
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050
	3/8" HEX NUT	4	804053
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052
	3/8" T-NUT	4	804556
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051

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

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

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

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

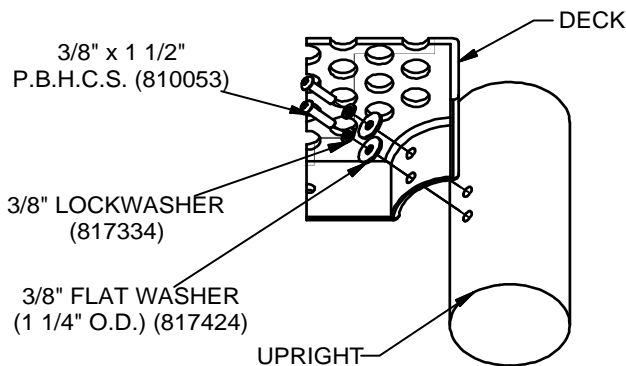
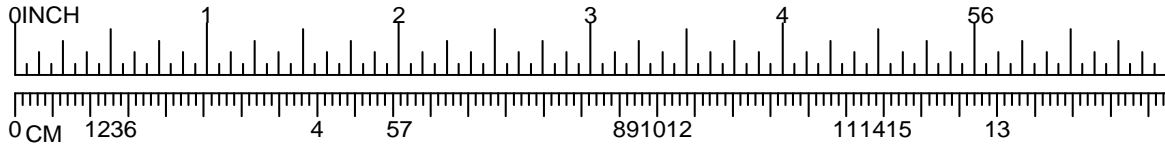
DETAILS -for- 16819

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.

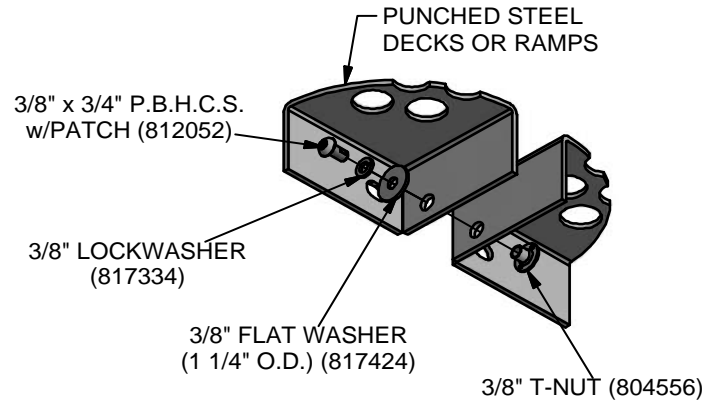
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



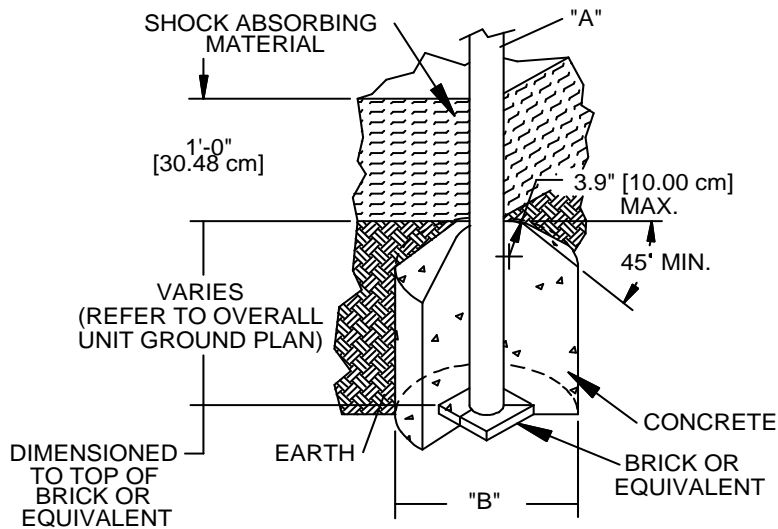
*NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

*NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.

030



031



DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:
-SLOPED FOOTING IS A REQUIREMENT
OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING
MATERIALS VARY. IF YOU DETERMINE THAT LESS
THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
MAKE UP THE DIFFERENCE IN ELEVATION WITH
EARTH, BEFORE APPLYING SURFACING.

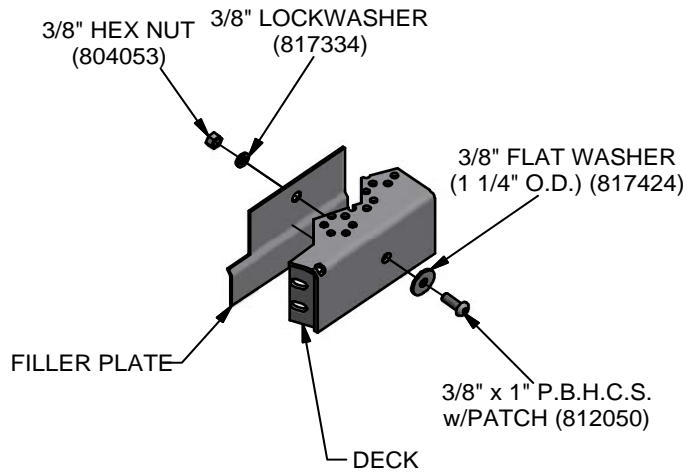
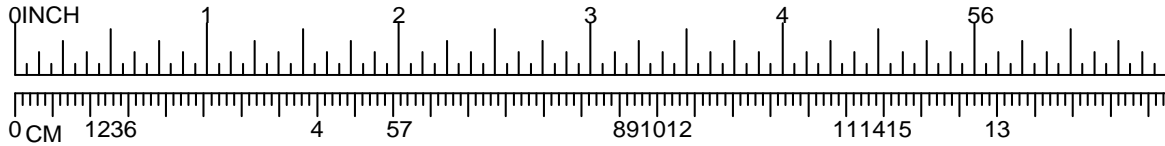
DETAILS -for- 16819

IMPORTANT

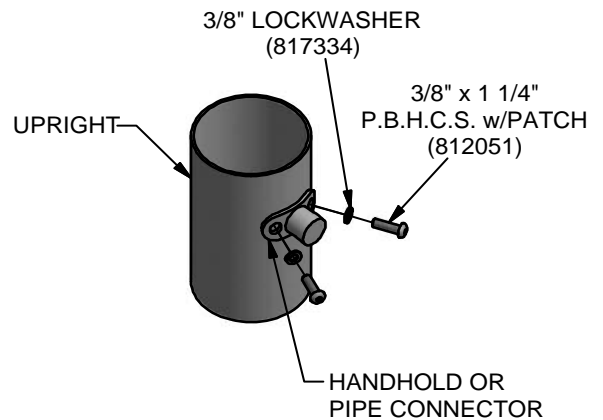
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

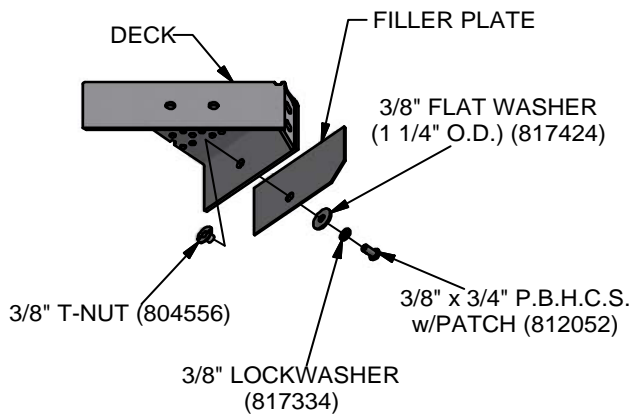
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



133



405



423

80076 DECK FLAT CAP

⬡ = INSTALLATION
DETAIL

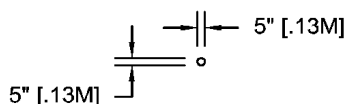
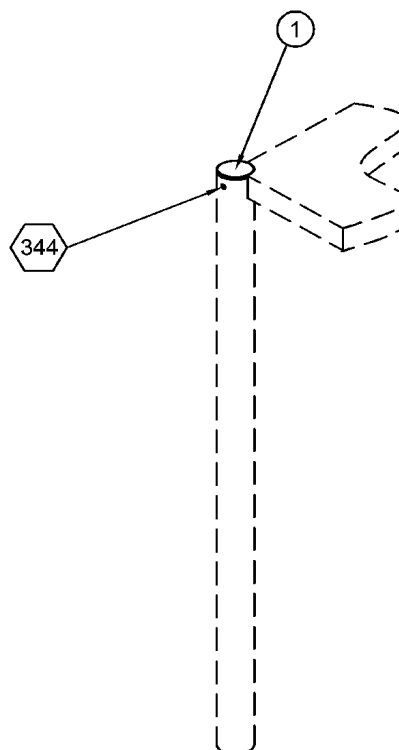
○ = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.

2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.

3. Loctite (supplied by others) should be used on all threaded hardware.



TOP VIEW

ASSEMBLY DRAWING

PARTS LIST

REF. No.	DESCRIPTION	No. REQ'D.	PART NUMBER
1	Coated Flat Cap Assembly	1	139454
	Drive Rivet	2	168449

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

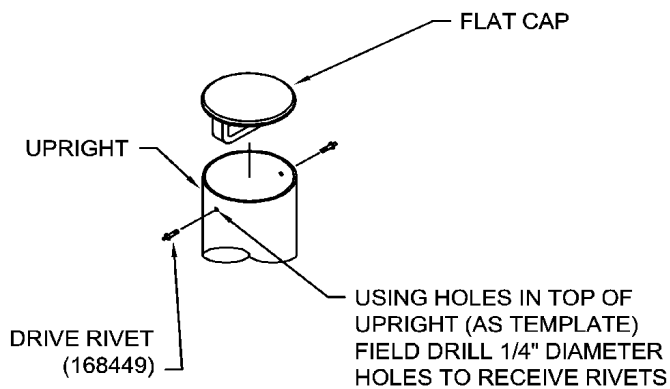
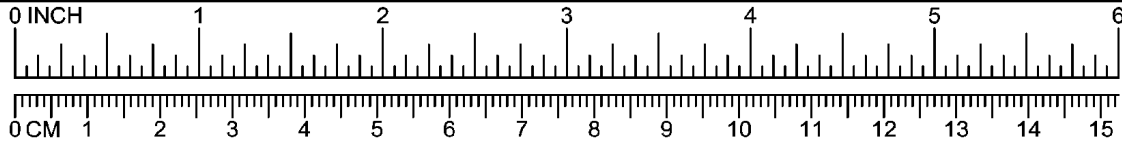
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80076

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.

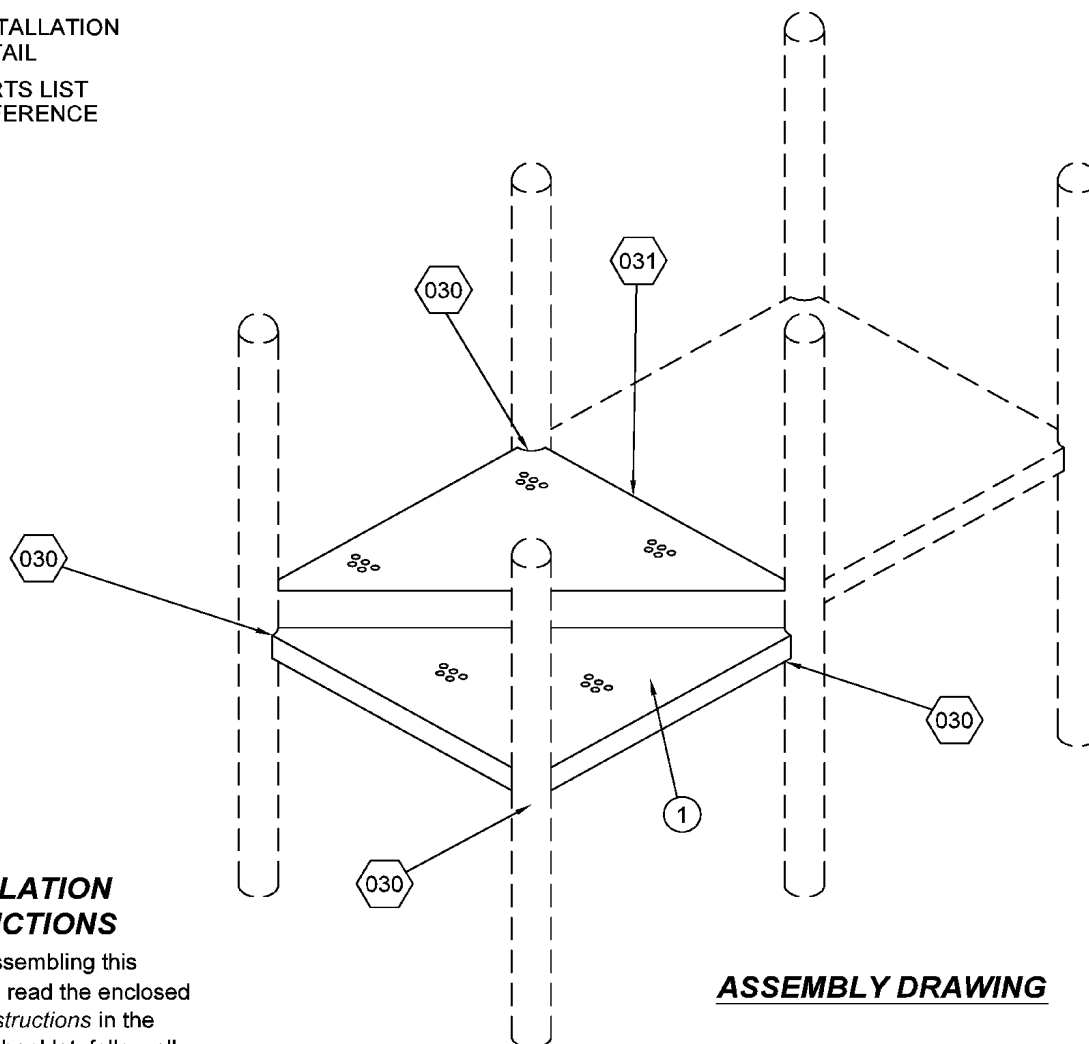
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



344

⬡ = INSTALLATION
DETAIL

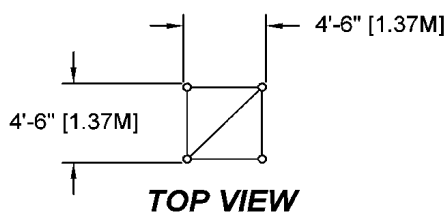
○ = PARTS LIST
REFERENCE



INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all non-patch hardware.
4. When Decks are at the same height shown in *Assembly Drawing*, fasten together using (2) Detail 031. *Note:* Remove Vinyl from the two inside holes, ream with 1/2" bit.

ASSEMBLY DRAWING

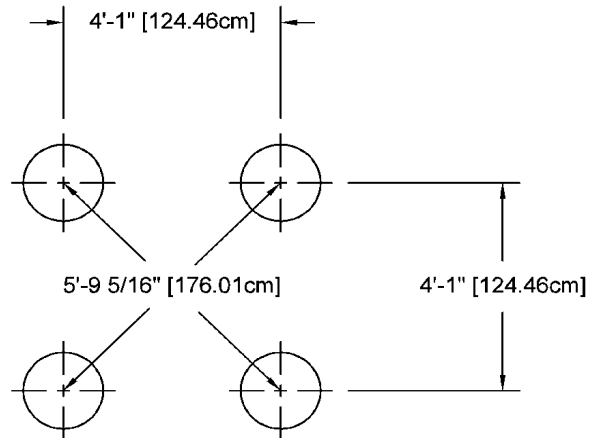


TOP VIEW

SUGGESTED MINIMUM
CONCRETE RATING:
3000 PSI.

SLOPED FOOTING IS A
REQUIREMENT OF
EUROPEAN STANDARD
EN1176-1.

CONCRETE REQUIRED
.39 CUBIC YARDS
[.30 CUBIC METERS]



GROUND PLAN

Note: Hole Depths Indicated on All Ground Plans are Measured From The Finished Surface. See Detail 032. All Footing Dimensions are Based on Level Finished Surface.

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	6" Stepped Platform	2	176223
	Hardware Complete	1	176315
	3/8" x 3/4" P.B.H.C.S. w/ Patch	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	12	810053*
	3/8" Tee-Nut	2	804556*
	3/8" Lockwasher	14	817334*
	3/8" Flatwasher (1-1/4" O.D.)	14	817424*

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

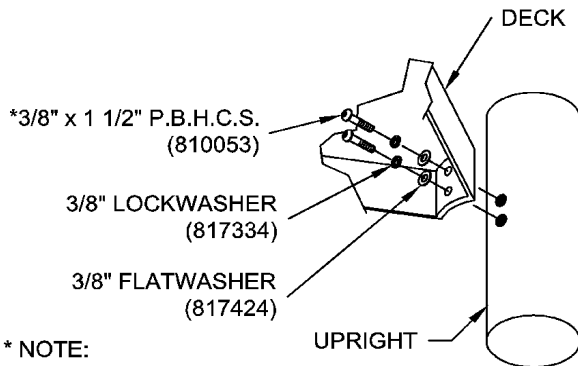
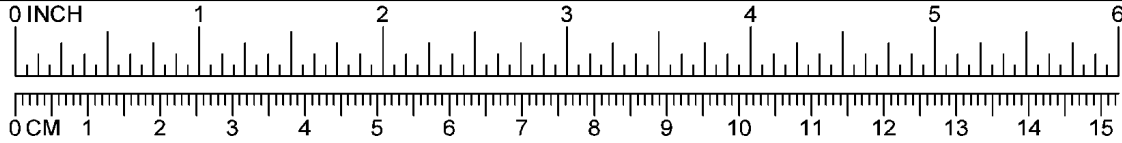
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80078

IMPORTANT

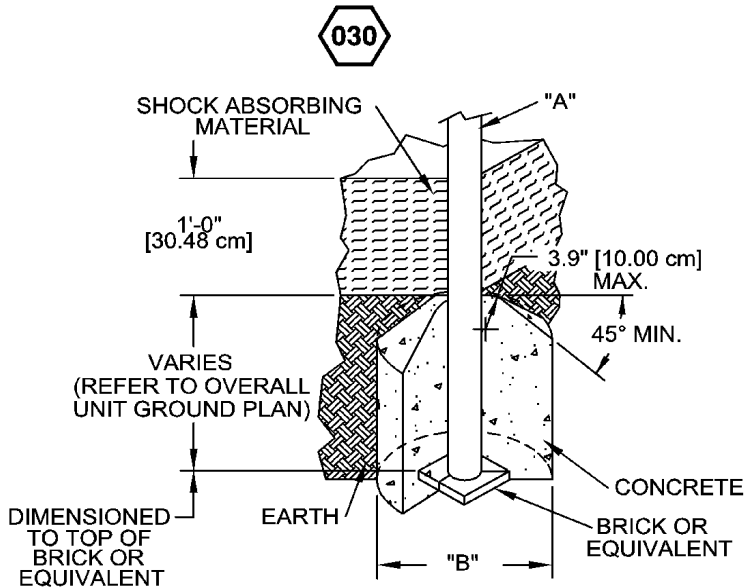
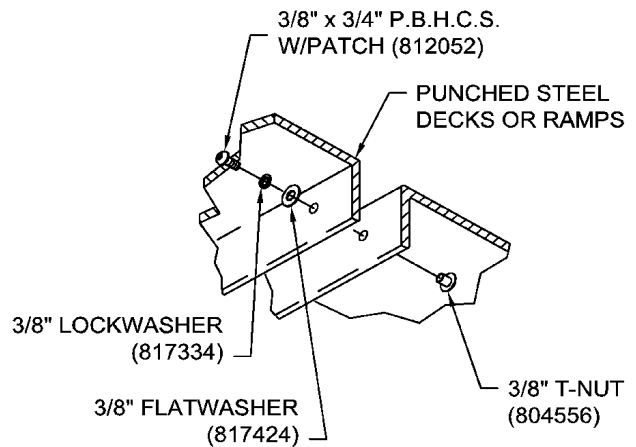
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



* NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

* NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.



NOTES:
-SLOPED FOOTING IS A REQUIREMENT
OF EUROPEAN STANDARD EN1176-1
-SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI

DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

SHOCK ABSORBING PROPERTIES OF SURFACING
MATERIALS VARY. IF YOU DETERMINE THAT LESS
THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
MAKE UP THE DIFFERENCE IN ELEVATION WITH
EARTH, BEFORE APPLYING SURFACING.



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 08/26/14

80166

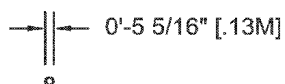
ROOF EXTENSION

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

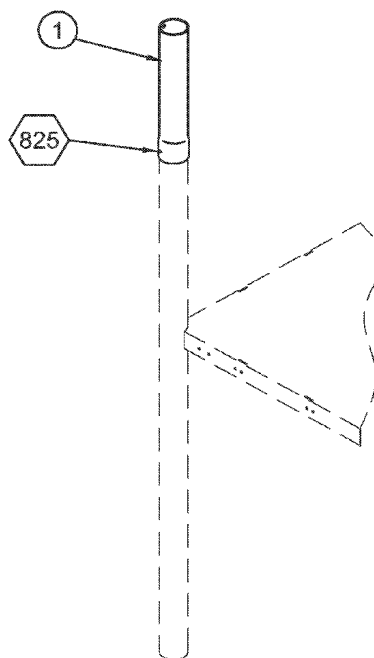
ROOF EXT. 24" w/ INSERT	80166
ROOF EXT. 24" w/ RIVET	80167
ROOF EXT. 36" w/ RIVET	80168

INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWINGS. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF.		NUMBER REQUIRED			PART
No.	DESCRIPTION	80166	80167	80168	NUMBER
1	Roof Extension 24" with Insert	1	0	0	177450
1	Roof Extension 24" with Rivet	0	1	0	177458
1	Roof Extension 36" with Rivet	0	0	1	177460
	Hardware Complete	1	1	1	177650
	#12 x 3/4" SS Screw	3	3	3	810072*

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.

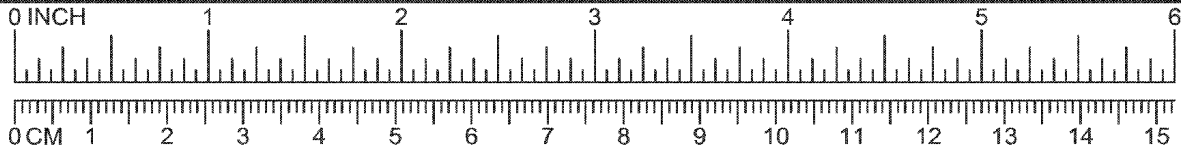
DETAILS -for- 80166, 80167, & 80168

IMPORTANT

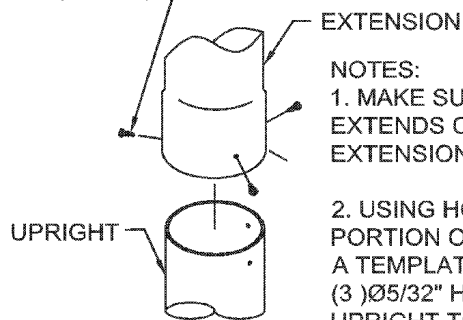
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



#12 x 3/4 " SCREW (810072)



NOTES:

1. MAKE SURE UPRIGHT EXTENDS COMPLETELY INTO EXTENSION BEFORE DRILLING.
2. USING HOLES IN EXPANDED PORTION OF EXTENSION AS A TEMPLATE, FIELD DRILL (3)Ø5/32" HOLES THROUGH UPRIGHT TO RECEIVE SCREWS.





Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 9/11/12

80198

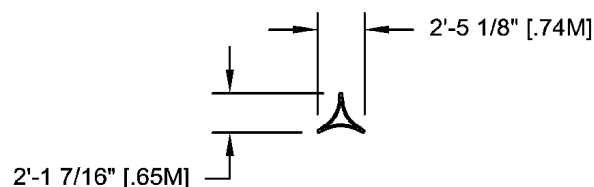
CONIFER POST TOPPER

 = INSTALLATION
DETAIL

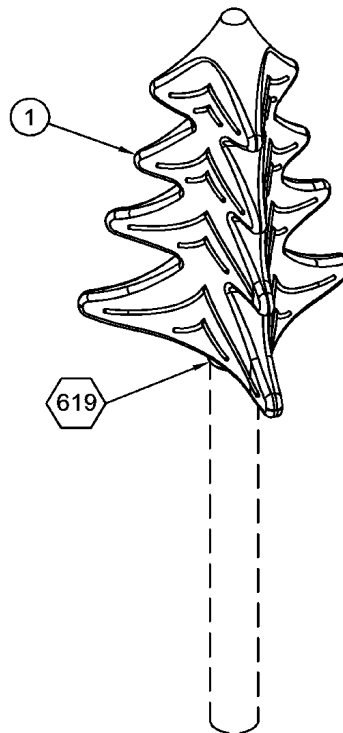
 = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Conifer Post Topper	1	200247
	Hardware Complete	1	200753
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	4	812051*
	3/8" Lockwasher	4	817334*
	3/8" Flatwasher	4	817410*

*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.

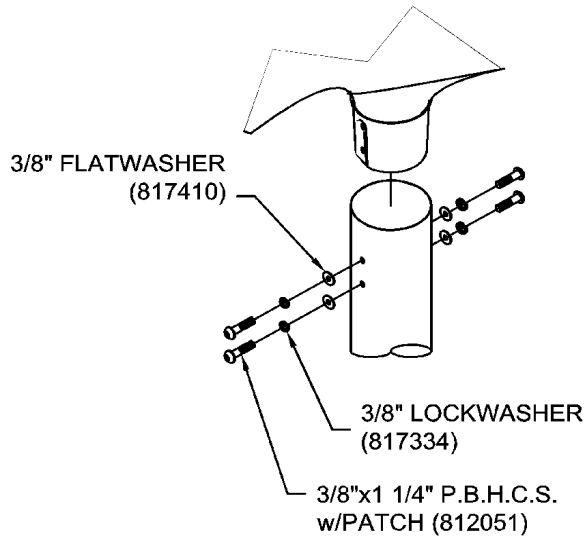
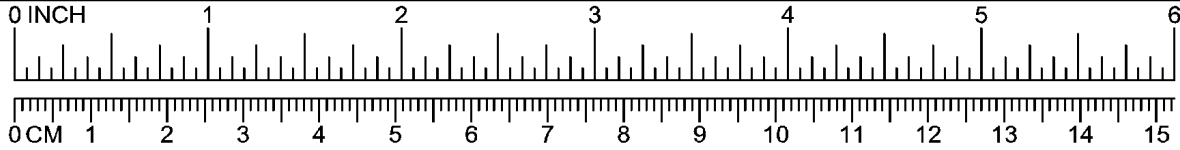
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 80198

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



619

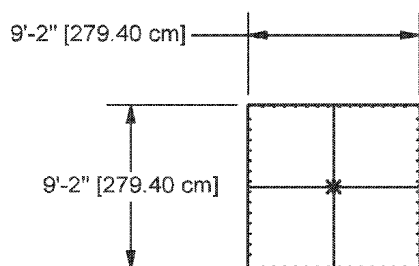
80210 TIN ROOF 4 SQUARE

 = INSTALLATION
DETAIL

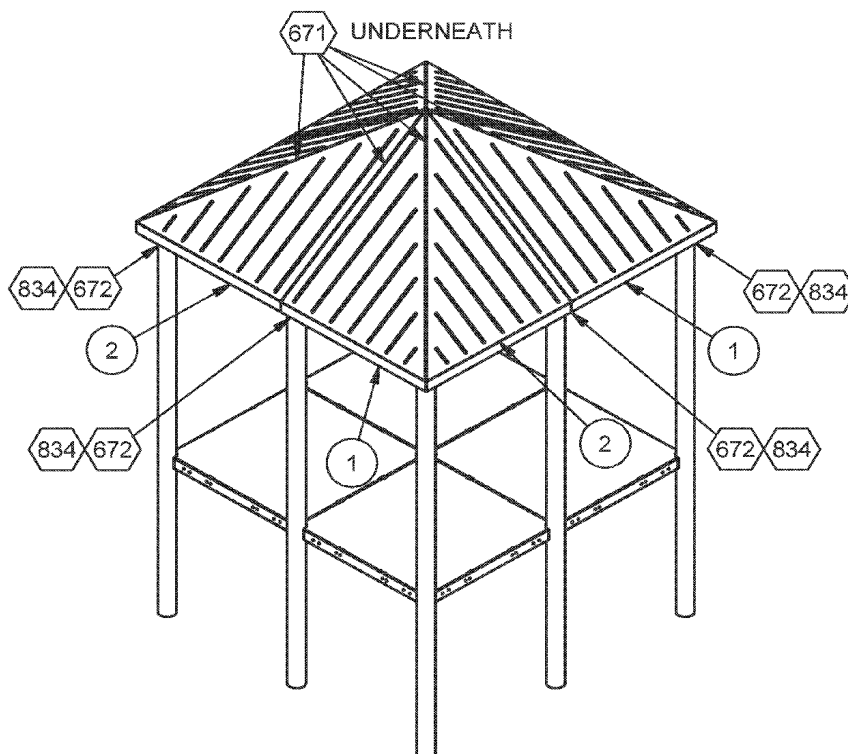
 = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

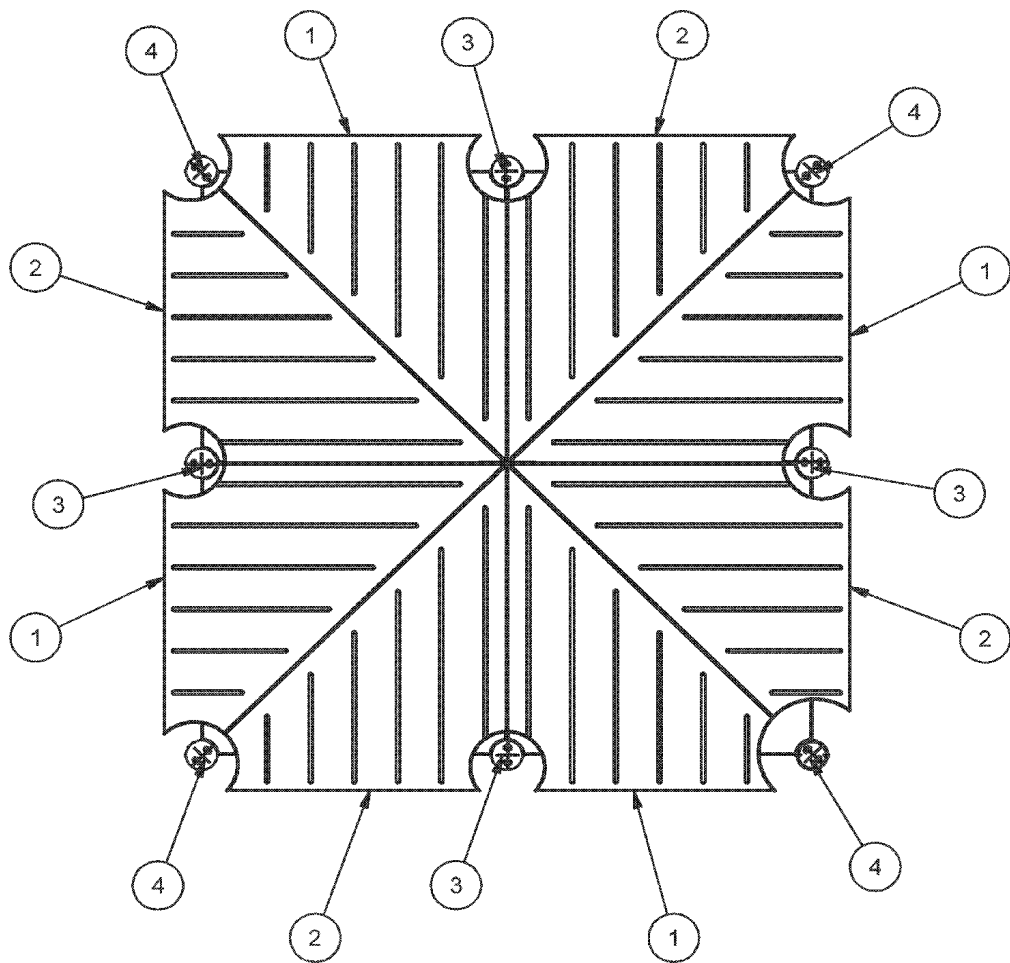
Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TIN ROOF 4 SQUARE RIGHT PANEL	4	203142
2	TIN ROOF 4 SQUARE LEFT PANEL	4	203139
3	4 DECK UPRIGHT ROOF CAP WELD ASS'Y	4	203166
4	4 DECK CORNER UPRIGHT ROOF CAP WELD ASS'Y	4	203169
	HARDWARE COMPLETE	1	203058
	3/8" x 3/4" P.B.H.C.S. w/PATCH	40	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	16	812050*
	3/8" LOCKWASHER	56	817334*
	3/8" FLAT WASHER	112	817410*
	3/8" HEX NUT	56	804053*
	#12 x 3/4" SS SCREW	16	810072

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

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

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

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



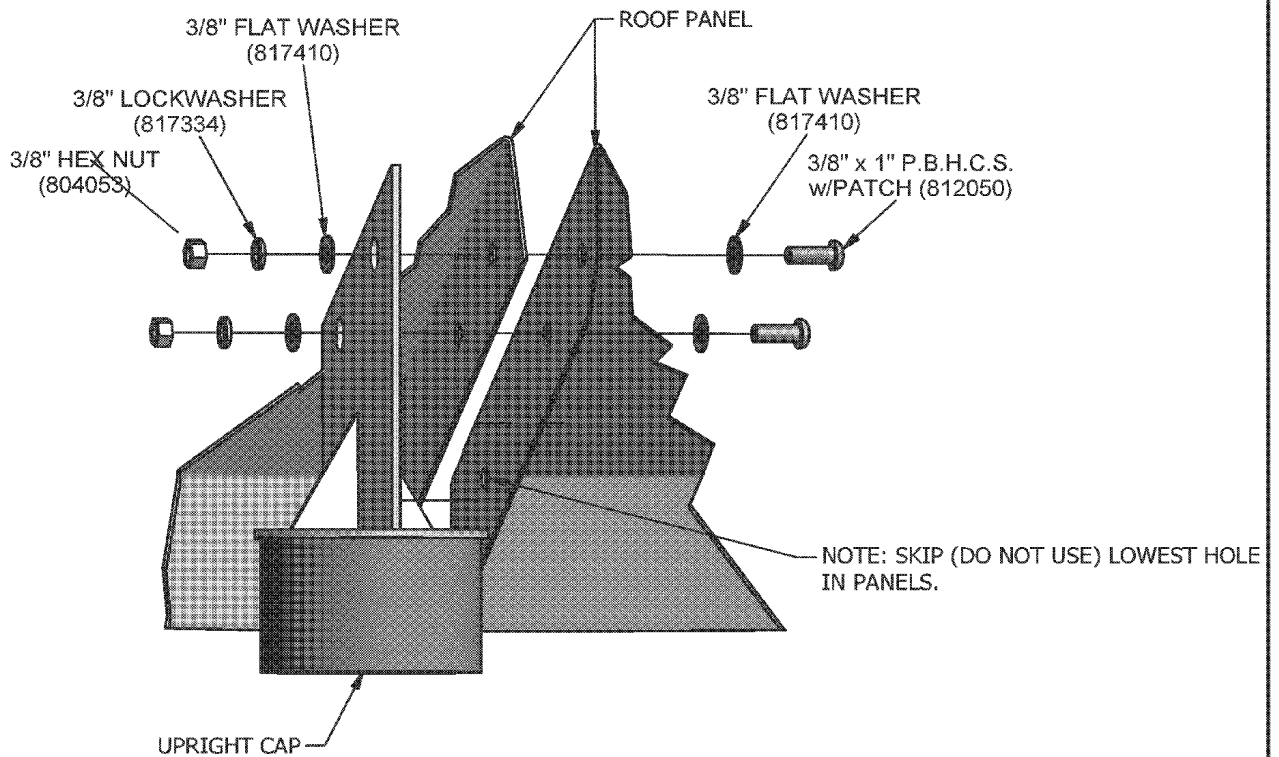
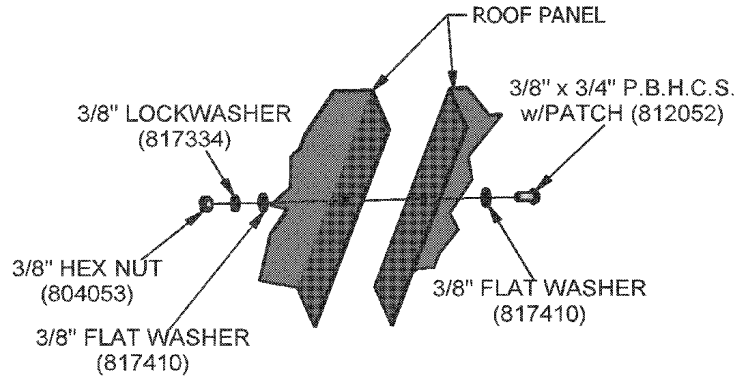
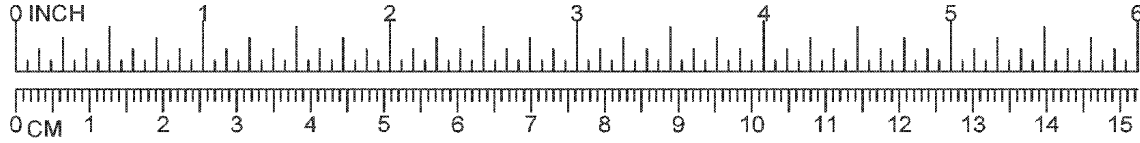
DETAILS -for- 80210

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.



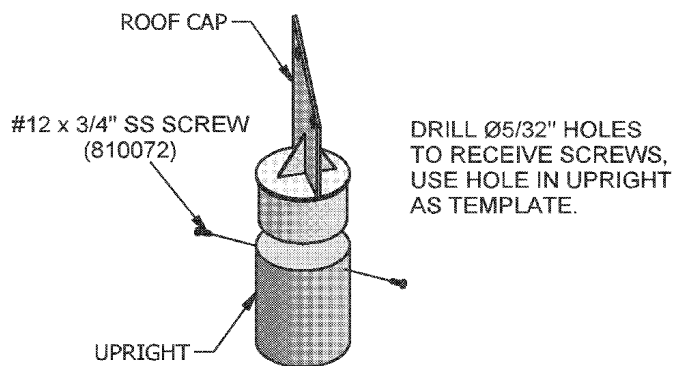
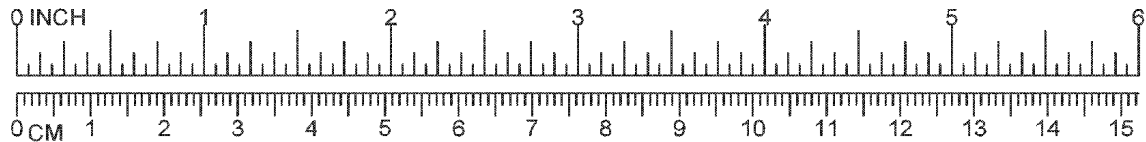
DETAILS -for- 80210

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.

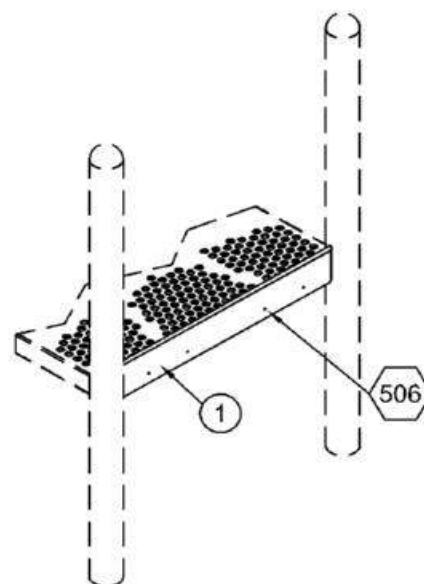
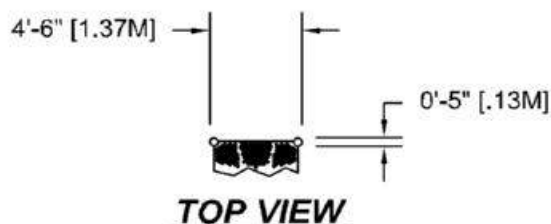


834



INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed Installer Instructions in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on all threaded hardware.



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Deck Curb	1	178172
	Hardware Complete	1	178177
	3/8" x 3/4" B.H.C.S. w/Patch	4	812052*
	3/8" Flatwasher	4	817424*
	3/8" Tee-Nut (Spanner)	4	804556*
	3/8" Lockwasher	4	817334*
	1/2" Flatwasher	4	817412*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

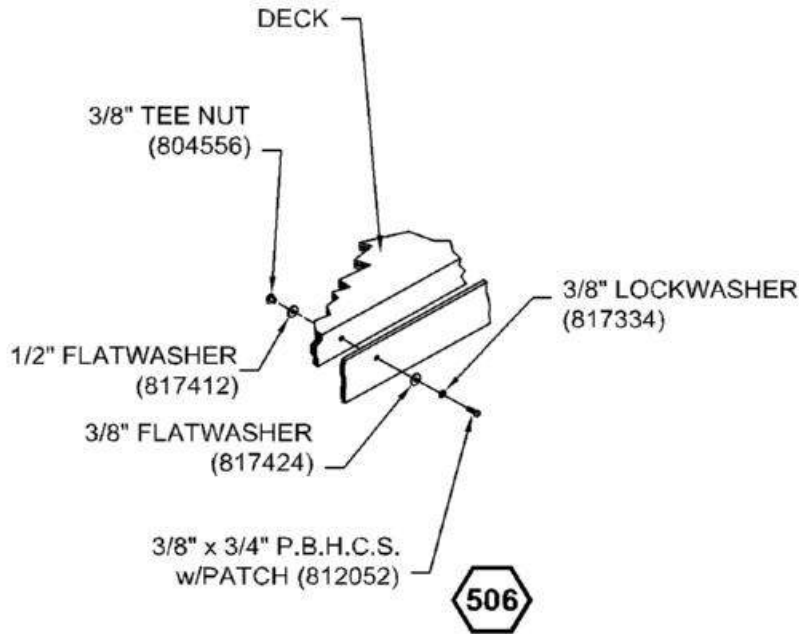
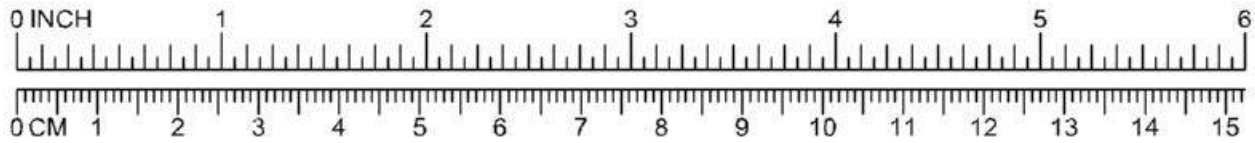
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80612

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



HANDHOLD KICK PLATE PKG.

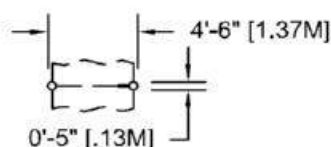
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

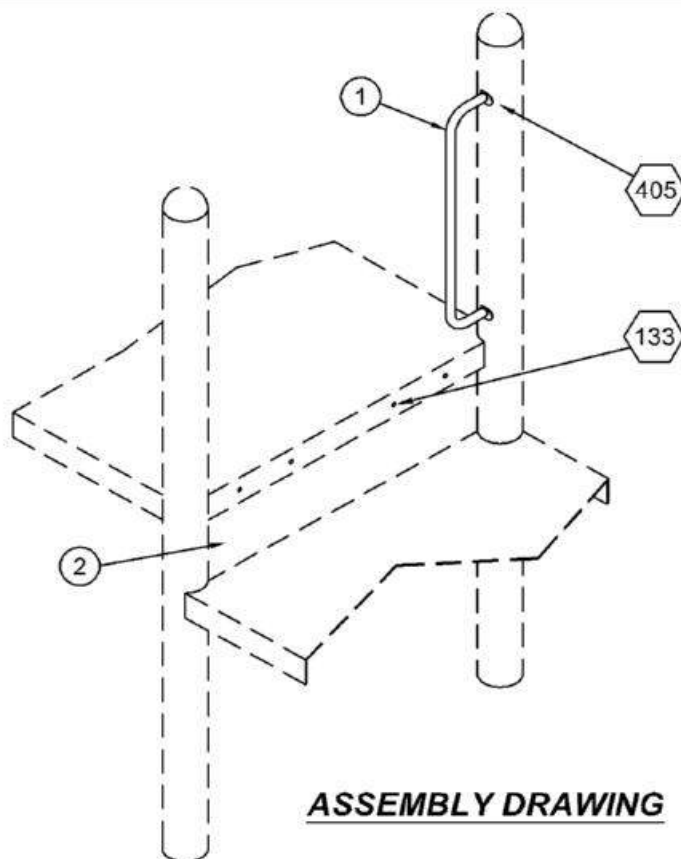
INSTALLATION INSTRUCTIONS

Note: Assemble parts as shown in the Assembly Drawing. Refer to the assembly details for the specific hardware required in each connection.

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Handhold Ass'y	1	211395
2	Filler/Kick Plate	1	139253
	Hardware Complete	1	177009
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	4	812051*
	3/8" Lockwasher	12	817334*
	3/8" x 1" P.B.H.C.S. w/Patch	8	812050*
	3/8" Flatwasher (1 1/4" O.D.)	8	817424*
	3/8" Hex Nut	8	804053*

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.

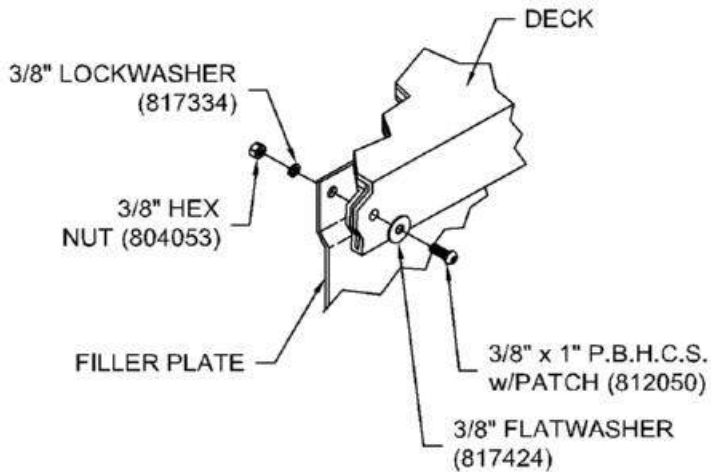
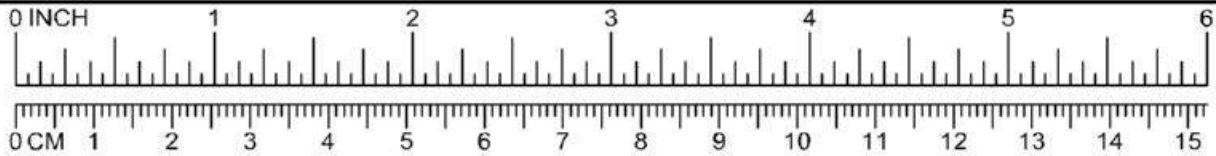
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 80687

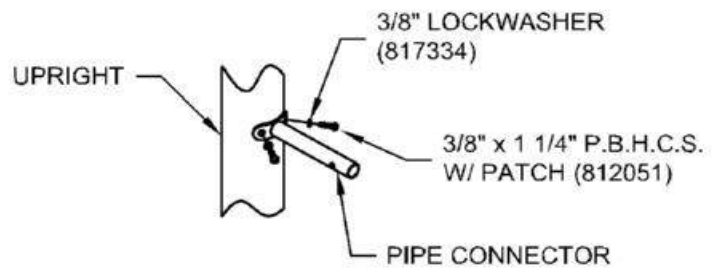
IMPORTANT

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

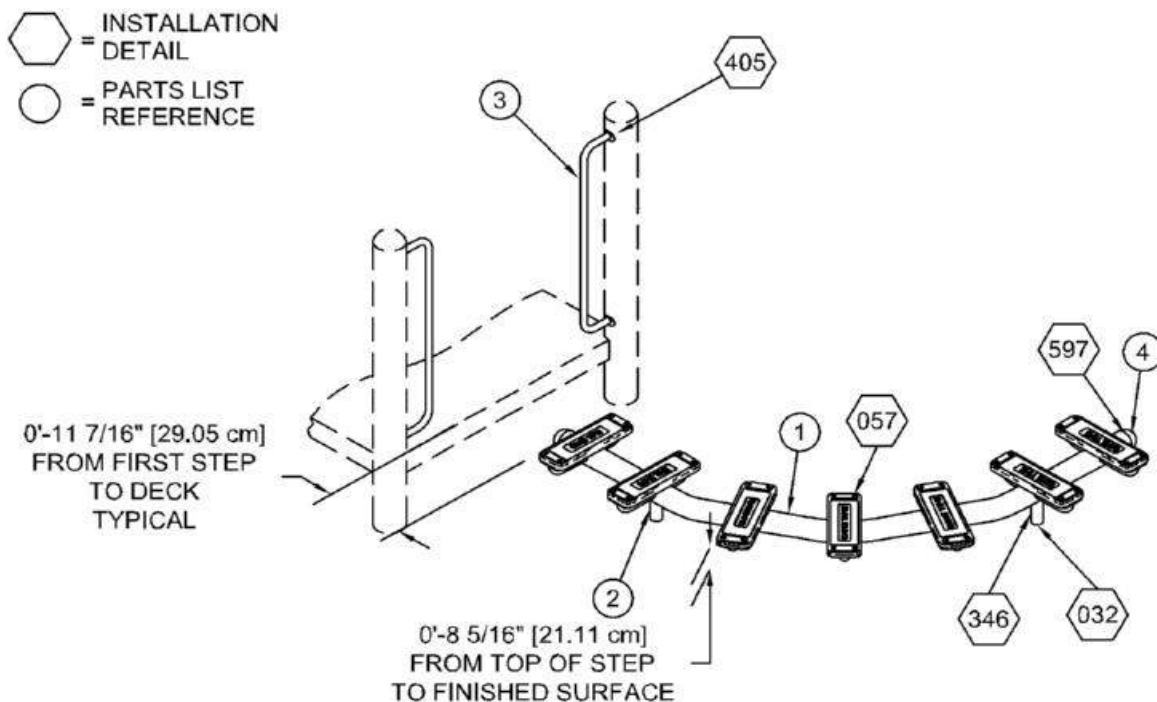


133



405

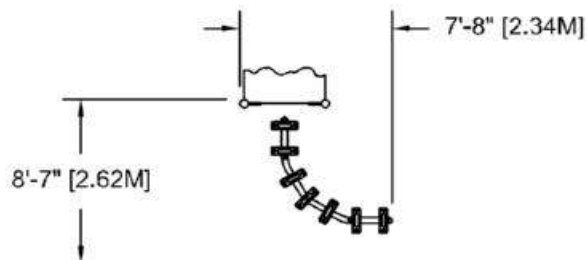
90° CATERPILLAR CLIMBER



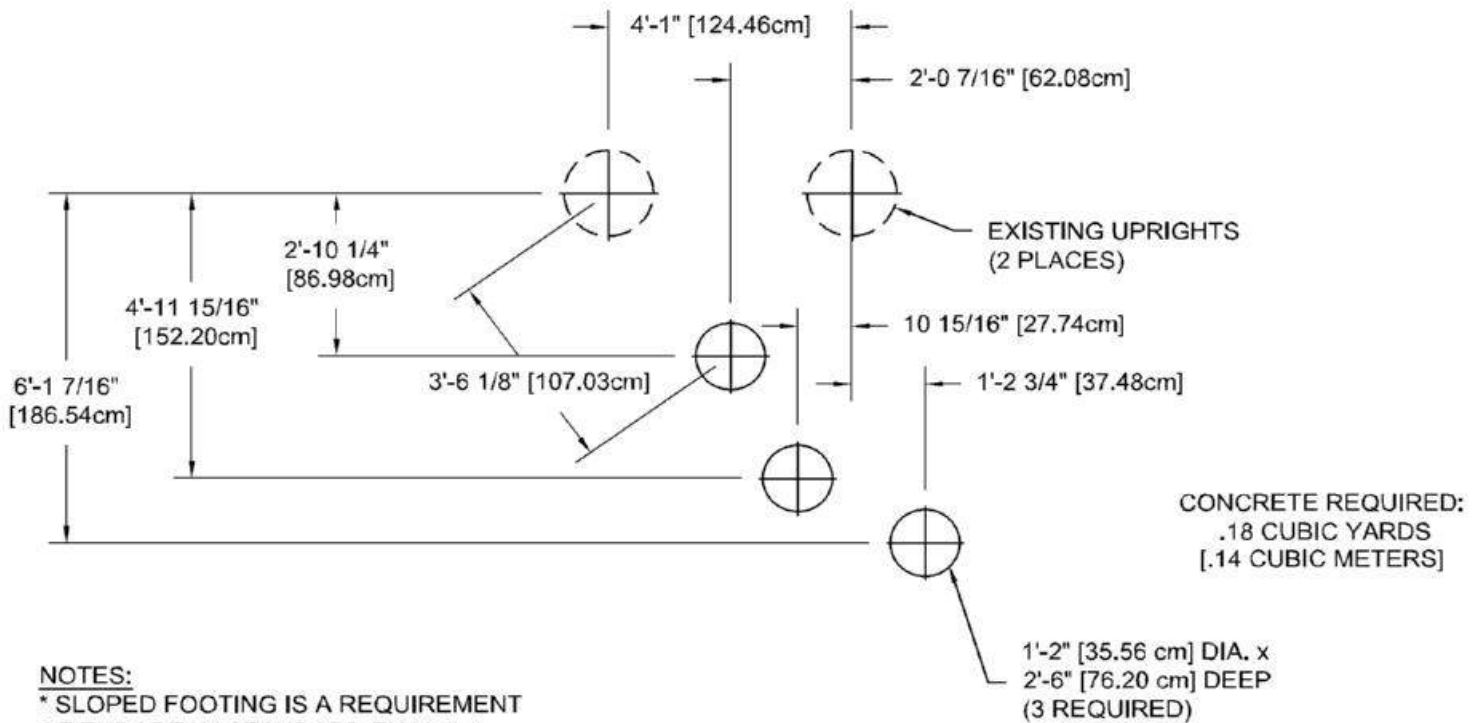
ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLATION INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. Place the Caterpillar Climber into holes making sure it rests on the brick.
4. Level the Caterpillar Climber using sway bracing.



TOP VIEW



NOTES:

- * SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1.
- * SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.
- * HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

GROUND PLAN

PARTS LIST

REF. NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Caterpillar Climber Ass'y	1	176274
2	Extension	3	176275
3	Handhold	2	211395
4	Dome Cap	2	212996
	Hardware Complete	1	177031
	Swing Seat	7	163115*
	3/8" Flatwasher	56	817410*
	3/8" Hex Nut	28	804053*
	3/8" Lockwasher	42	817334*
	3/8" Tee Nut	6	804556*
	3/8" x 1 1/2" P.B.H.C.S. w/ Patch	28	812053*
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	8	812051*
	3/8" x 2" P.B.H.C.S. w/ Patch	6	812055*
	3/16" x 3/32" Drive Rivet	4	805366*

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.

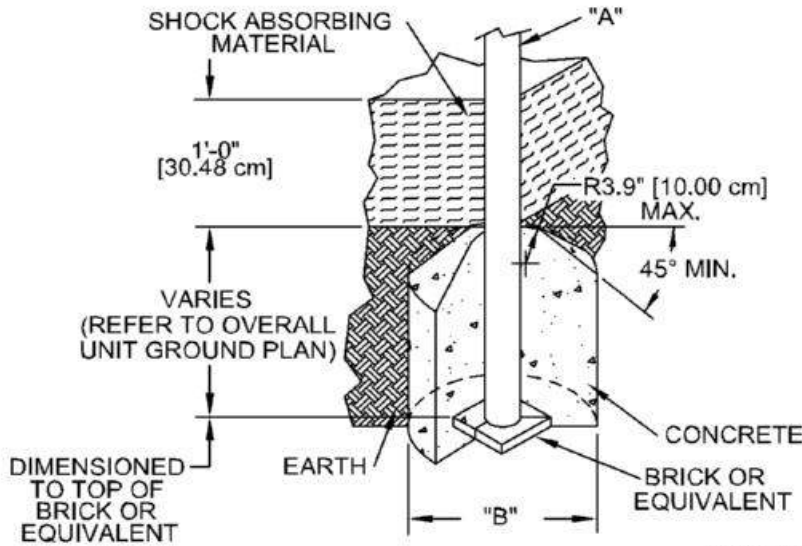
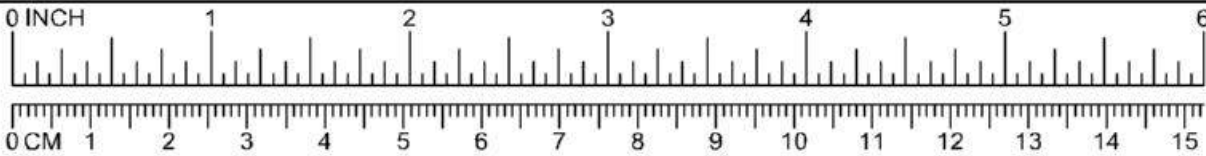
Note: Loctite (supplied by others) to be used on all threaded hardware.

DETAILS -for- 80691

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



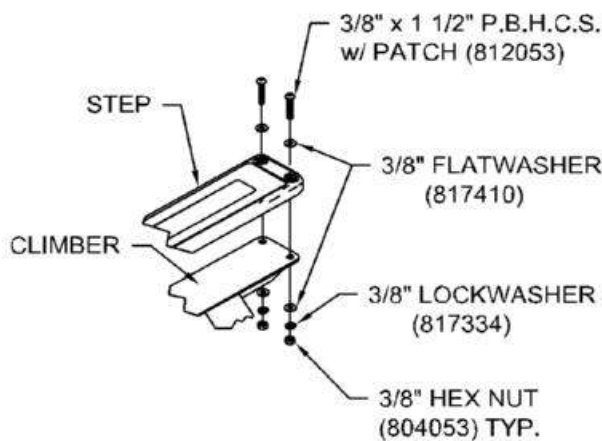
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

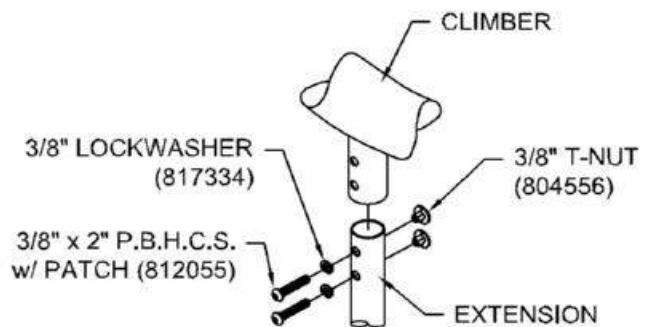
032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



057

NOTE: AFTER ASS'Y, PEEN TEE NUTS TO MATCH RADIUS OF PIPE.



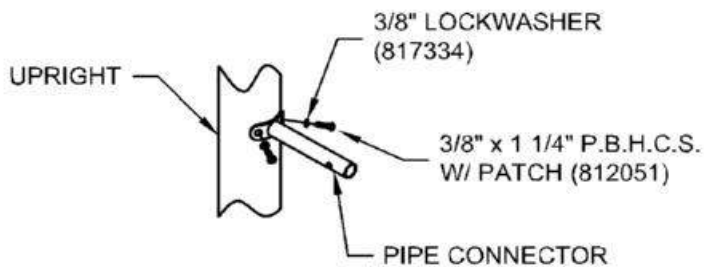
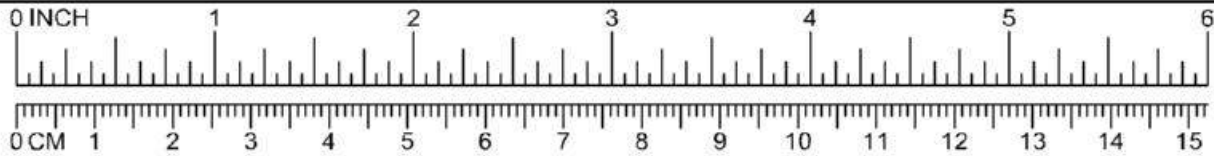
346

DETAILS -for- 80691

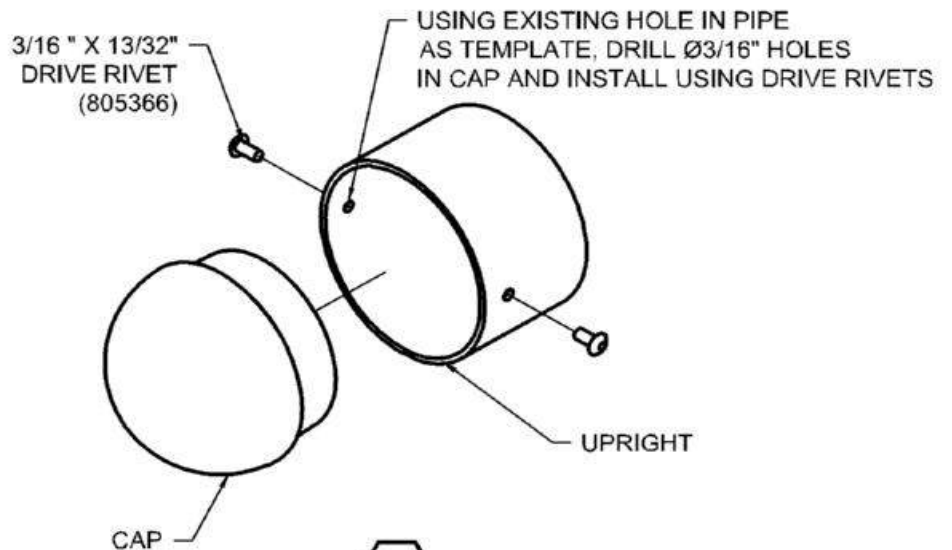
IMPORTANT

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: After Assembly is Complete, Peen Tee-Nuts and Flatwashers to Match Radius of Pipe.



405



597

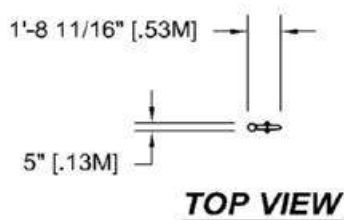
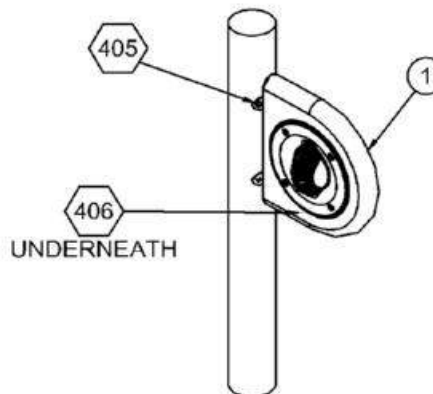
80931 SINGLE GIZMO PANEL

FOR GIZMOS SEE INSTALLATION SHEET 4956

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the Installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING

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

PARTS LIST

REF NO.	DESCRIPTION	80931	PART NUMBER
1	Single Gizmo Panel	1	169416
	Pipe connector	2	169549
	Hardware Complete	1	169721
	3/8" x 1 3/4" Hex Head Bolt	2	801006*
	3/8" Lockwasher	4	817334*
	3/8" Tee-Nut	2	804556*
	3/8" x 1 1/4" P.B.H.C.S.	4	812051*

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.

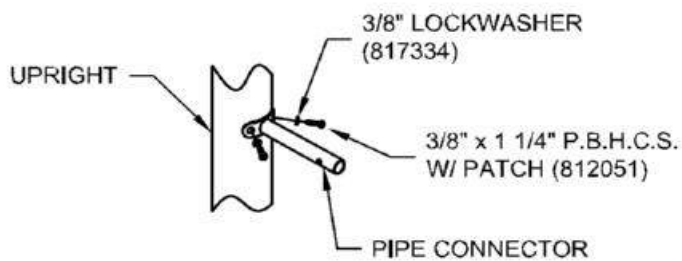
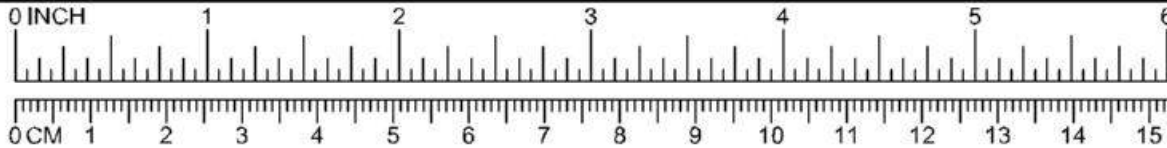
DETAILS -for- 80931

IMPORTANT

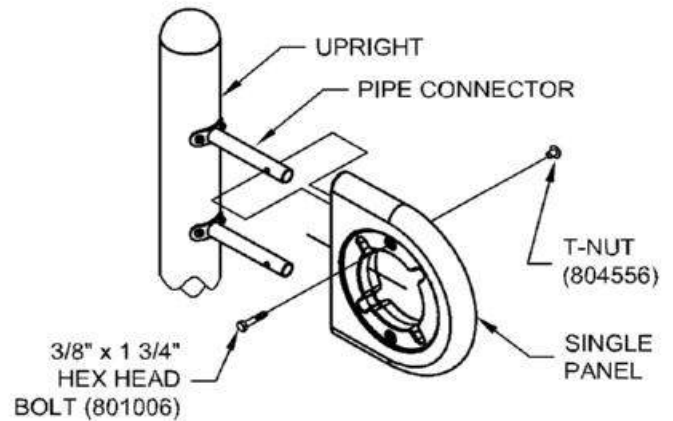
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



405



406

HORIZONTAL LADDER

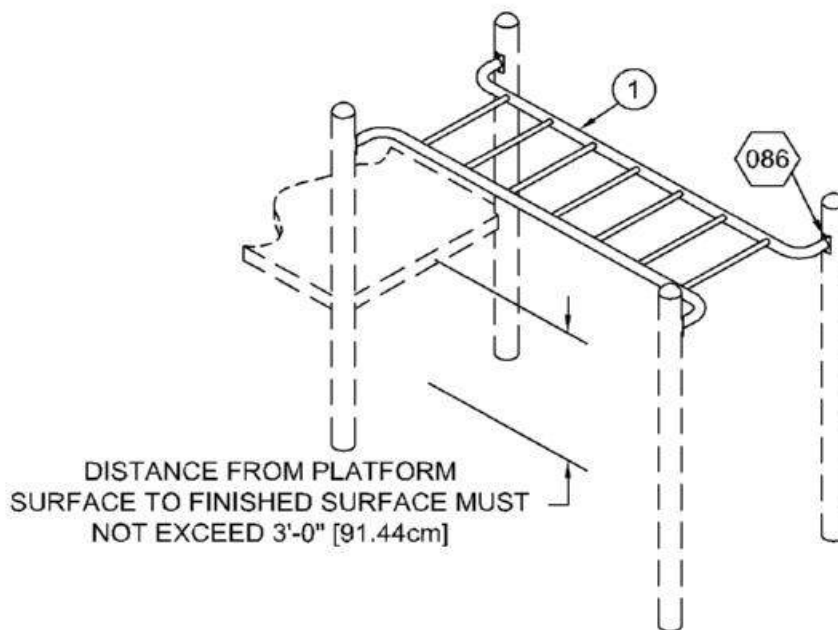
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DETAIL

 = PARTS LIST
REFERENCE

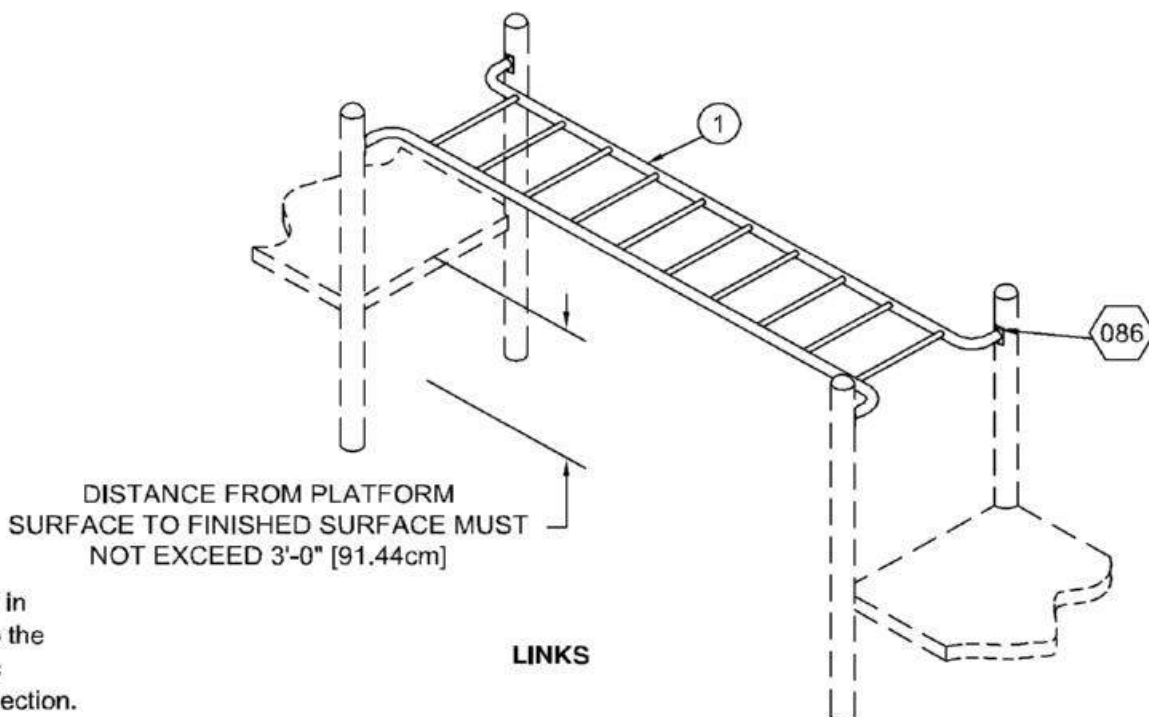


LINK (2 DECK SPAN) 81473

LINK (3 DECK SPAN) 81478



ATTACHMENTS



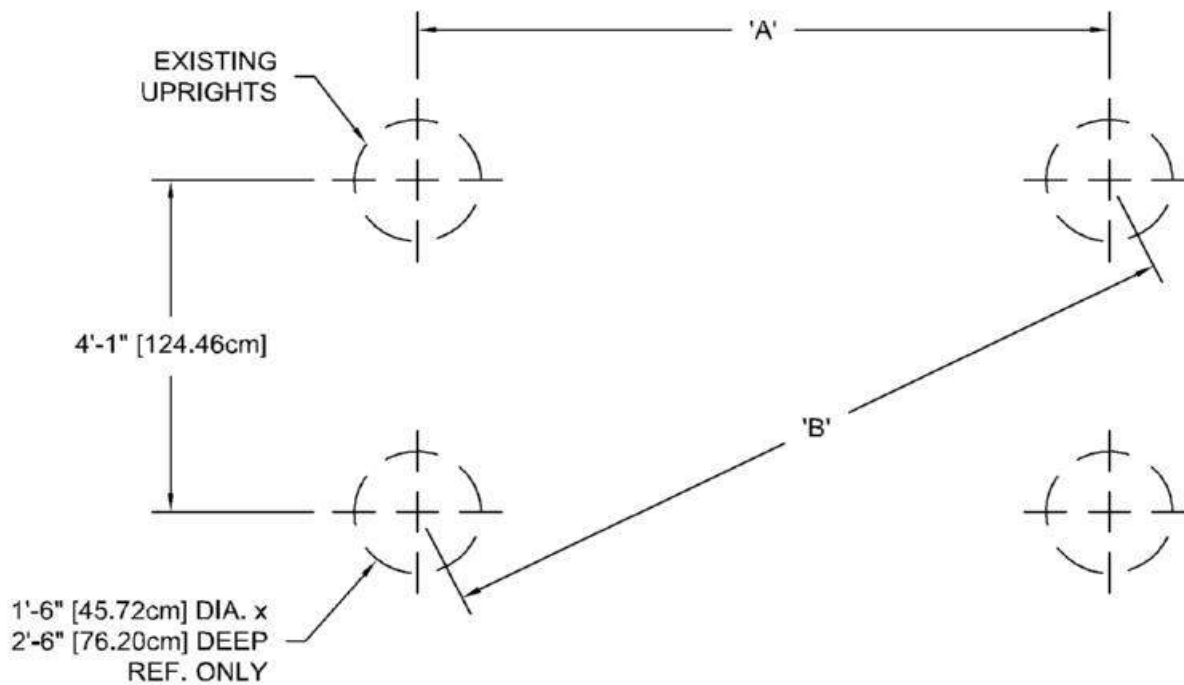
LINKS

INSTALLATION INSTRUCTIONS

Note: Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.

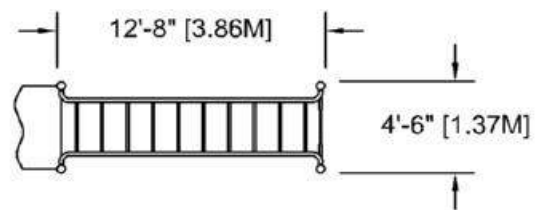
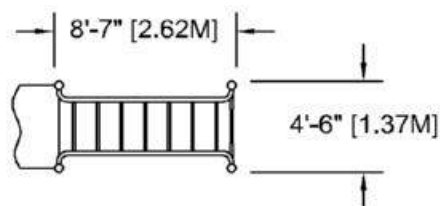
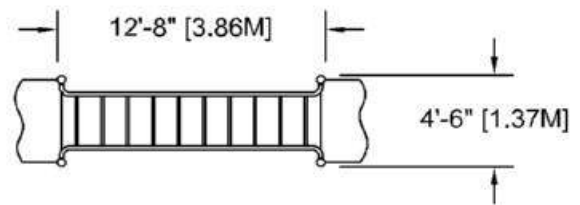
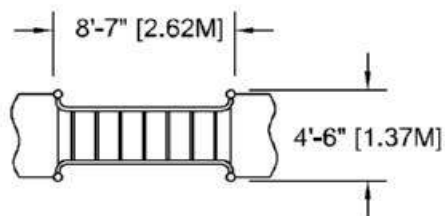
ASSEMBLY DRAWINGS



Link	Dim 'A'	Dim 'B'
81473	8'-2" [248.92cm]	9'-1 9/16" [278.30cm]
81478	12'-3" [373.38cm]	12'-10 15/16" [393.58cm]

Note: Hole Depths Indicated on All Ground Plans are Measured From The Finished Surface. See Detail 032. All Footing Dimensions are Based on Level Finished Surface.

GROUND PLAN



TOP VIEWS

PARTS LIST

REF NO.	DESCRIPTION			PART NUMBER
		81473	81478	
1	Horizontal Ladder (98")	1	0	160445
1	Horizontal Ladder (147")	0	1	160487
	<i>Hardware Complete</i>	1	1	164706
	3/8" x 1" P.B.H.C.S. w/Patch	8	8	812050*
	3/8" Lockwasher	8	8	817334*
	3/8" Flatwasher	8	8	817410*

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.

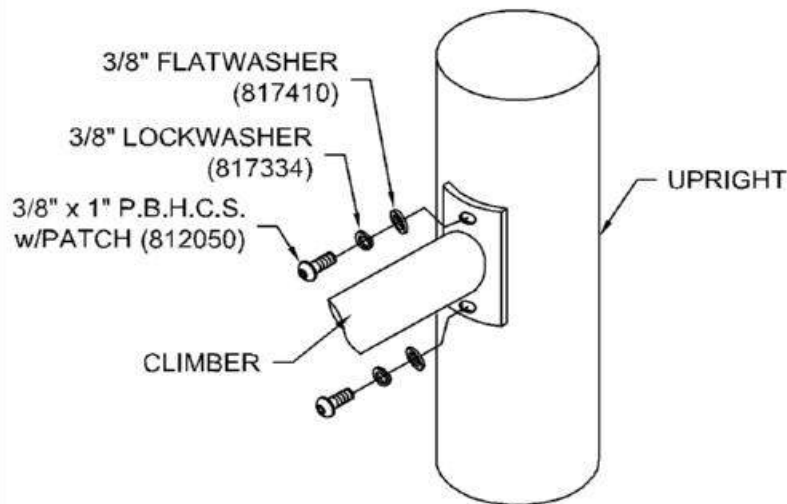
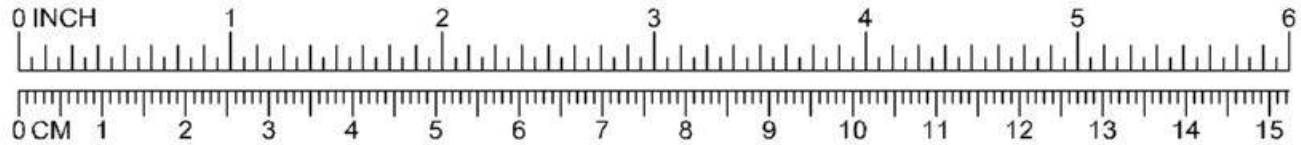
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81473 & 81478

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



086



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 9/12/12

81664

SINGLE THUNDERRING

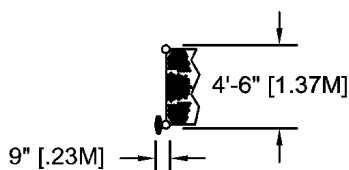
⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

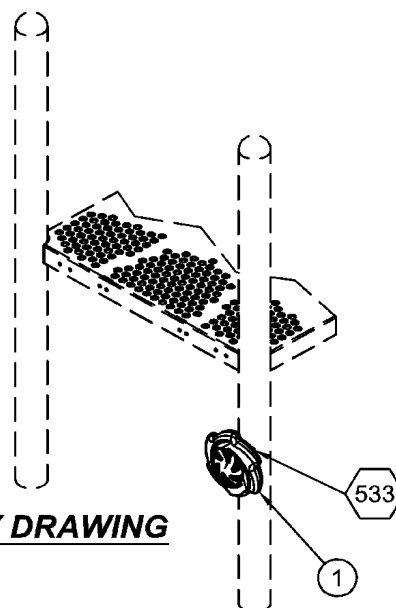
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.

2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW

ASSEMBLY DRAWING



PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Thunderring	1	179014
	Hardware Complete	1	169742
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	4	812051*
	3/8" Lockwasher	4	817334*
	3/8" Flatwasher	4	817410*

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.

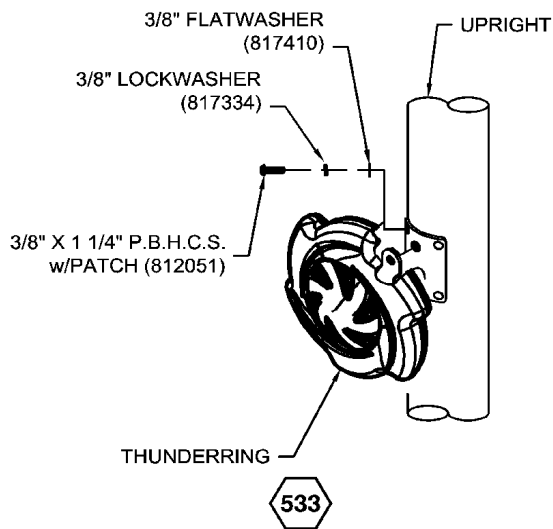
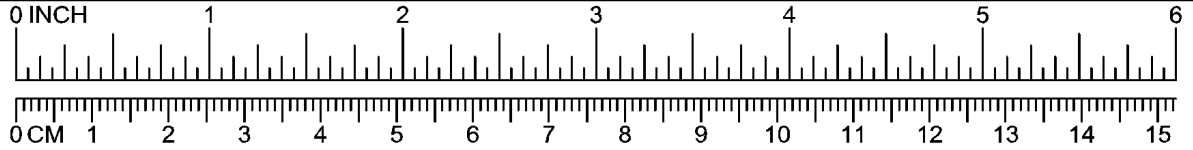
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81664

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

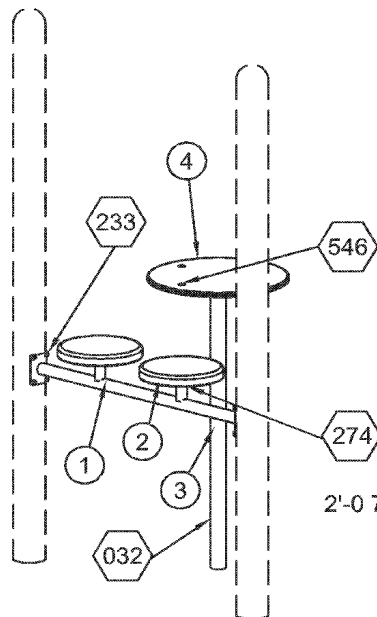


SEAT AND TABLE FOR TWO

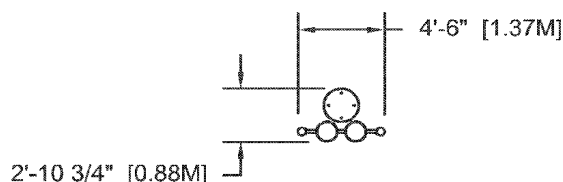
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

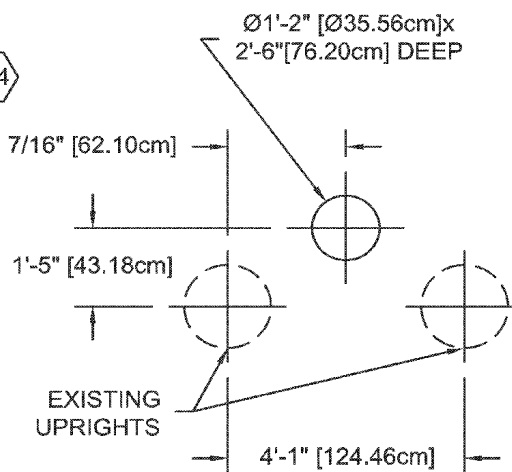
1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING



TOP VIEW



GROUND PLAN

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Seat Rail Ass'y	1	207780
2	Seat	2	207778
3	Table Support	1	302378
4	Table Panel	1	302361
	Hardware Complete	1	207796
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	8	812051*
	3/8" Lock Washer	10	817334*
	3/8" Flatwasher	12	817410*
	3/8" Barrel Nut	4	804804*
	3/4" x 3/4" P.B.H.C.S. w/Patch	4	812052*
	3/8" X 2 1/4" Hex Head Bolt	2	812056*
	3/8" Tee Nut	2	804556*

Concrete Required
.05 Cubic Yards
[.04 Cubic Meters]

**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.**

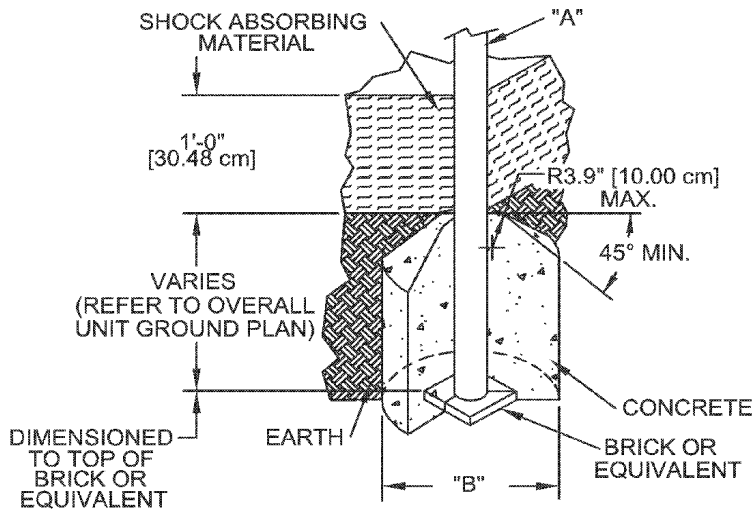
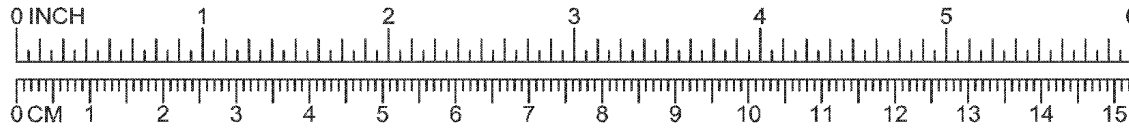
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81665

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.

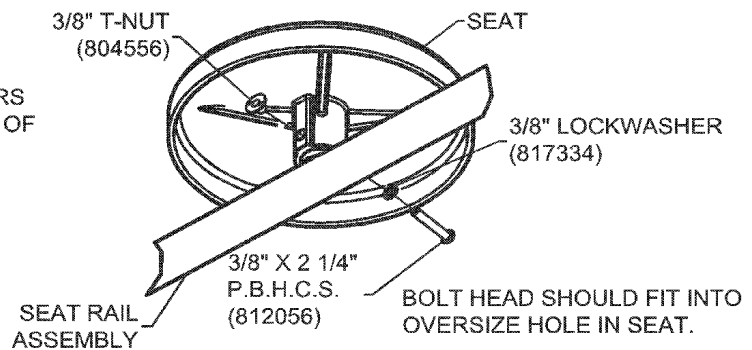
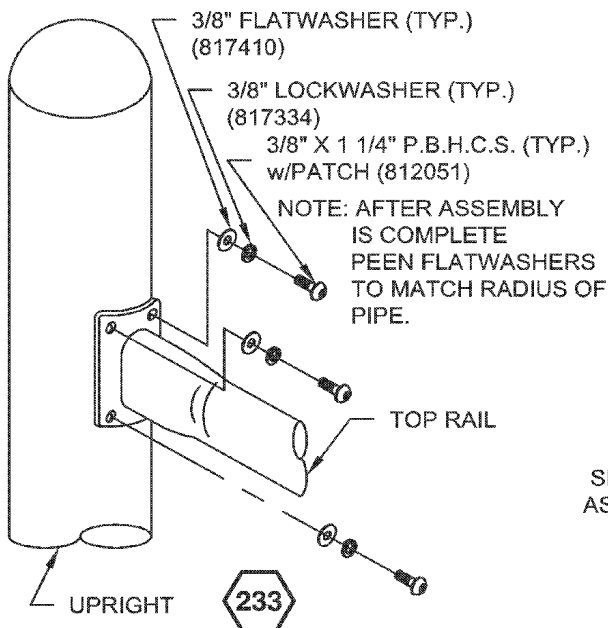
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

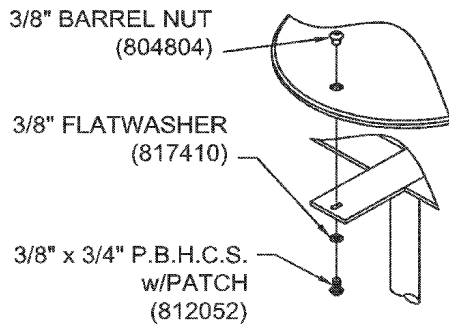
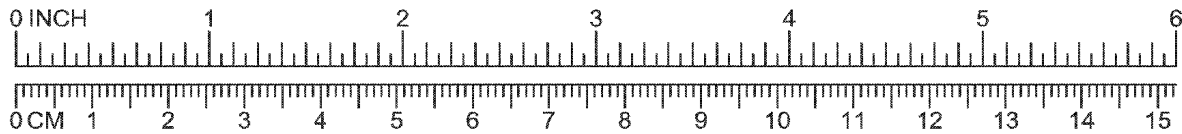


DETAILS -for- 81665

IMPORTANT

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



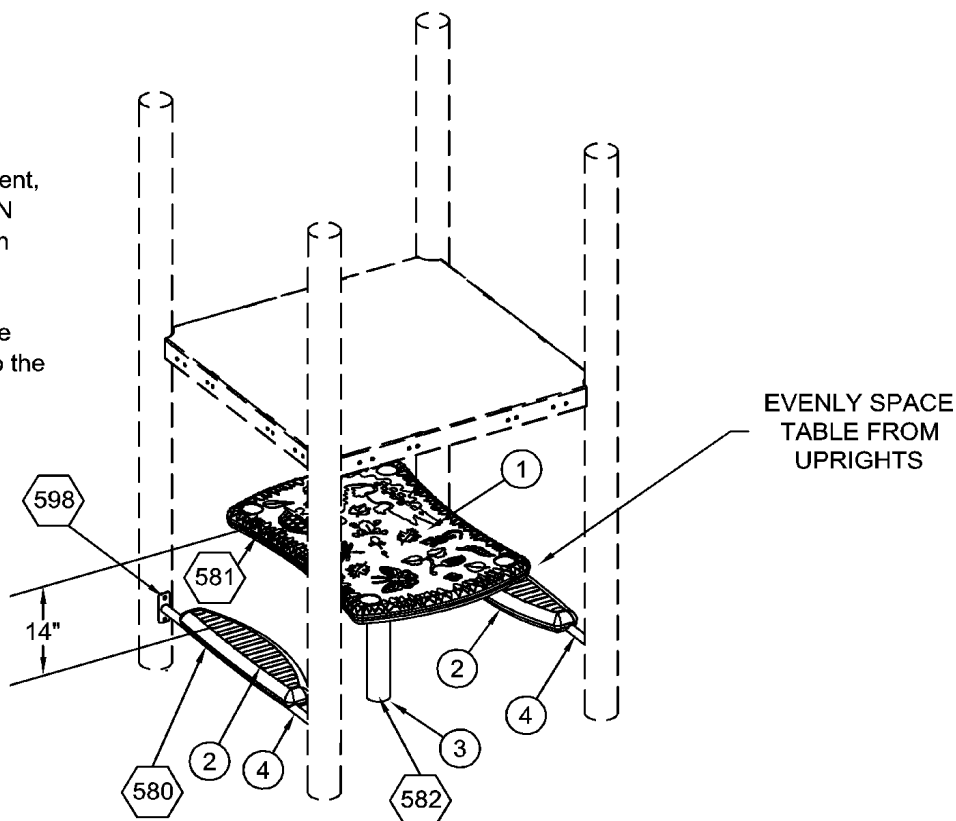
NATURE DISCOVERY TABLE

 = INSTALLATION
DETAIL

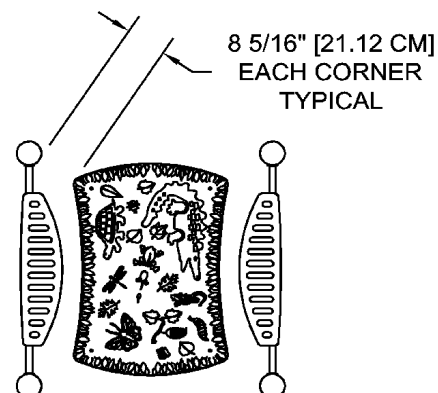
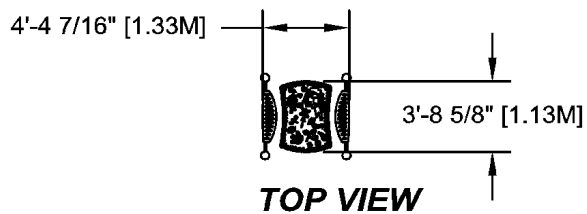
 = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING



INSTALLATION GUIDE

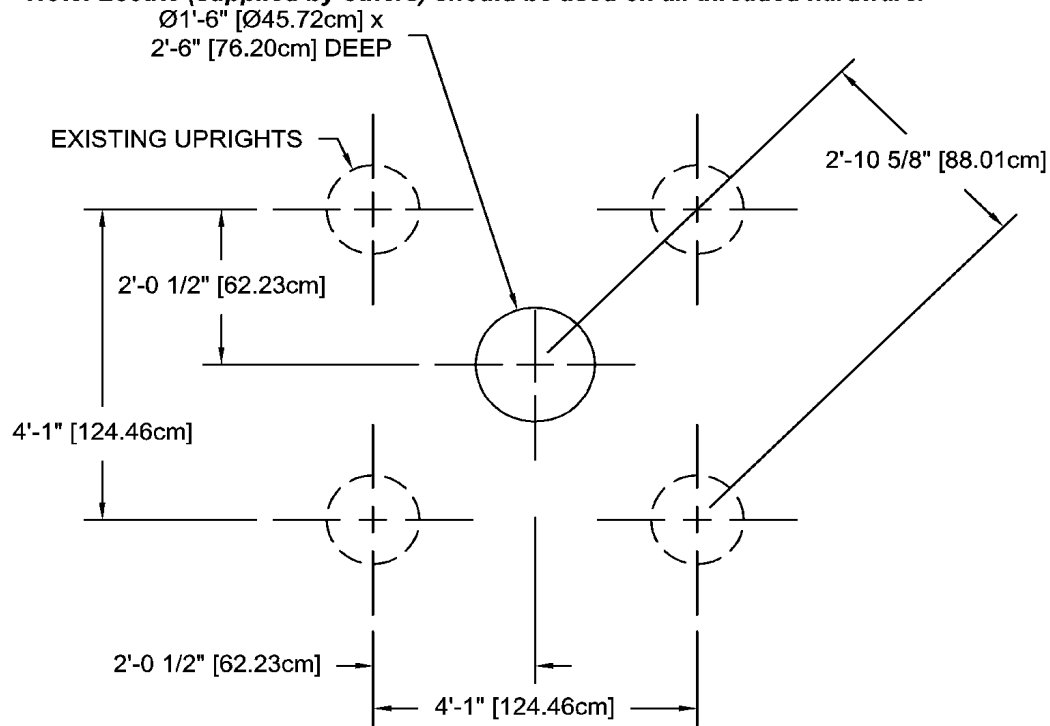
PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Nature Discovery Table Top	1	179944
2	Nature Discovery Table Seat	2	179945
3	Nature Discovery Table Frame Weld Ass'y	1	200012
4	Seat Frame Weld Ass'y	2	200041
	Hardware Complete	1	200048
	3/8" x 1" P.B.H.C.S. w/Patch	4	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	8	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/Patch	4	812054*
	3/8" x 2" P.B.H.C.S. w/Patch	4	812055*
	3/8" Lockwasher	20	817334*
	3/8" Flatwasher	16	817410*
	3/8" Flatwasher 1 1/4" O.D.	4	817424*
	1/2" Anchor Rod	1	135038*

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



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL FS-003. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

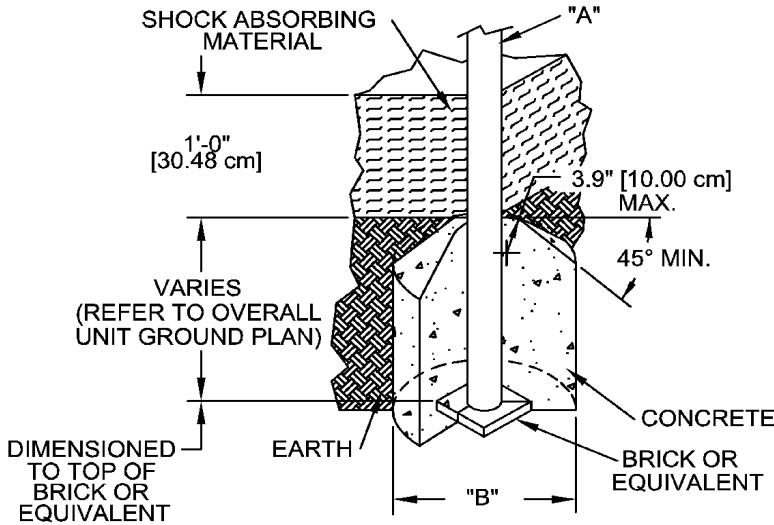
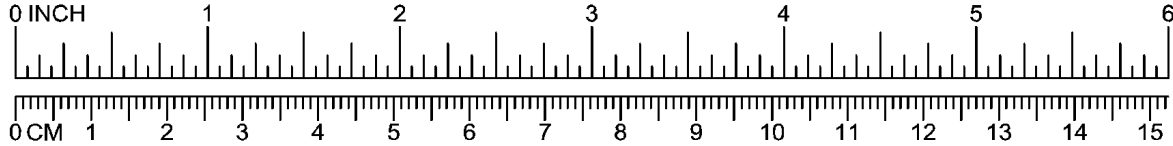
CONCRETE REQUIRED
.17 CUBIC YARDS
.13 CUBIC METERS

DETAILS -for- 81668

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



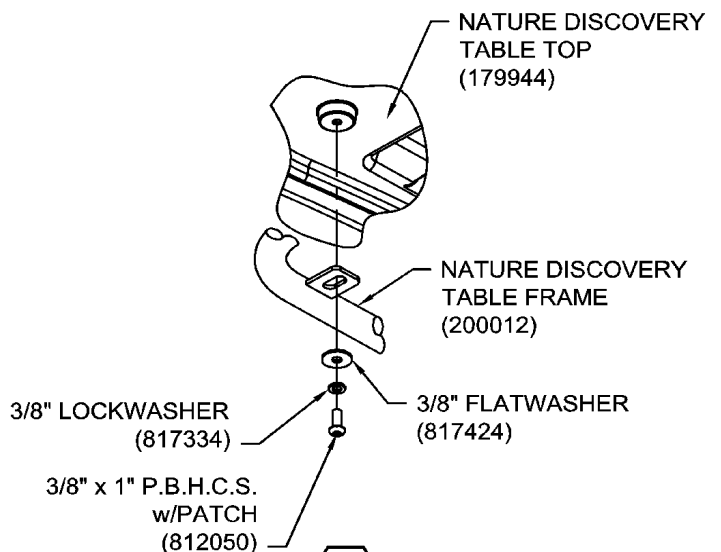
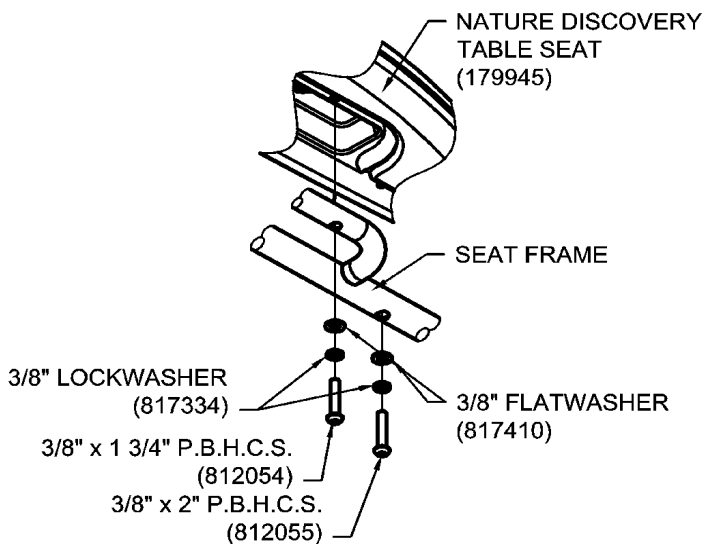
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1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

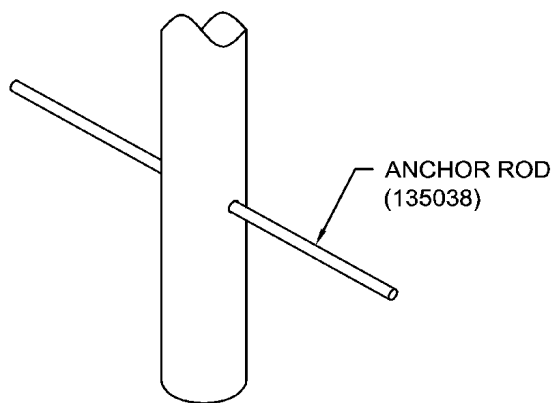
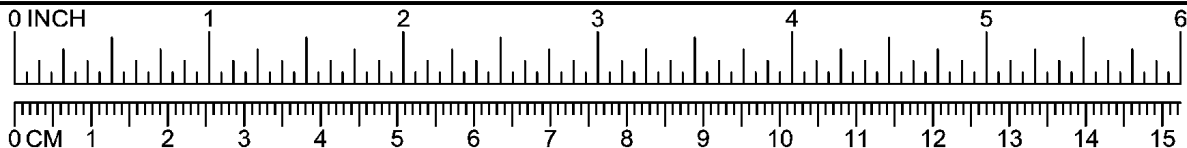


DETAILS -for- 81668

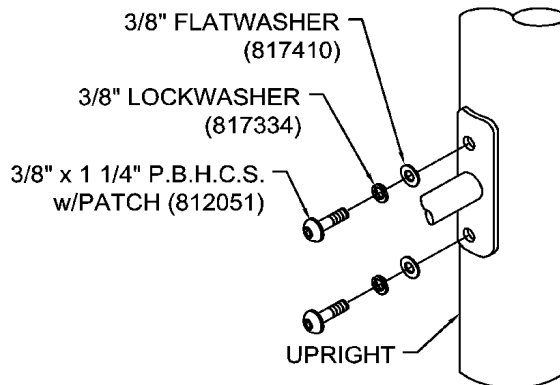
IMPORTANT

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



582



598



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 9/11/12

81669 HAND CYCLER

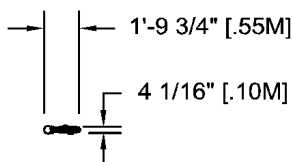
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

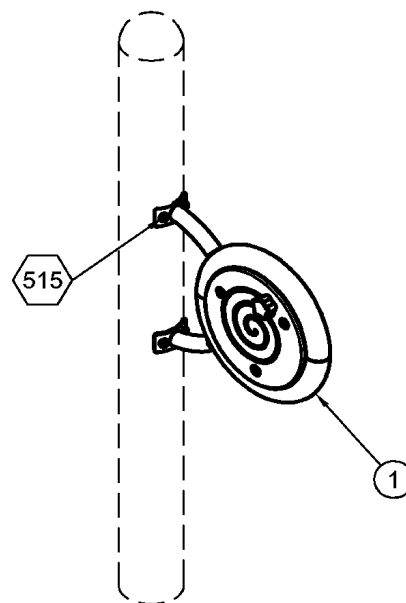
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.

2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Hand Cyclers	1	178368
	Hardware Complete	1	178388
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	4	812051*
	3/8" Lockwasher	4	817334*

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.

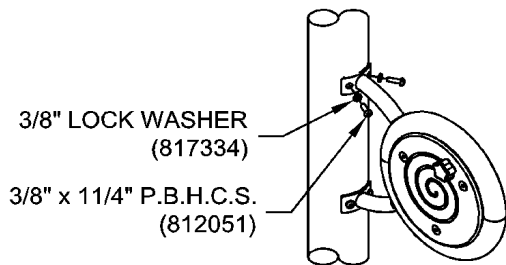
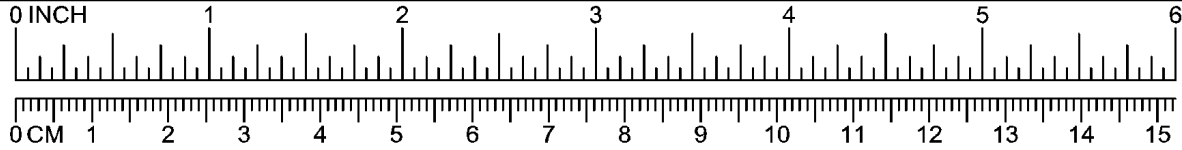
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81669

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



515



Enriching Childhood Through Play.

1-800-235-2440

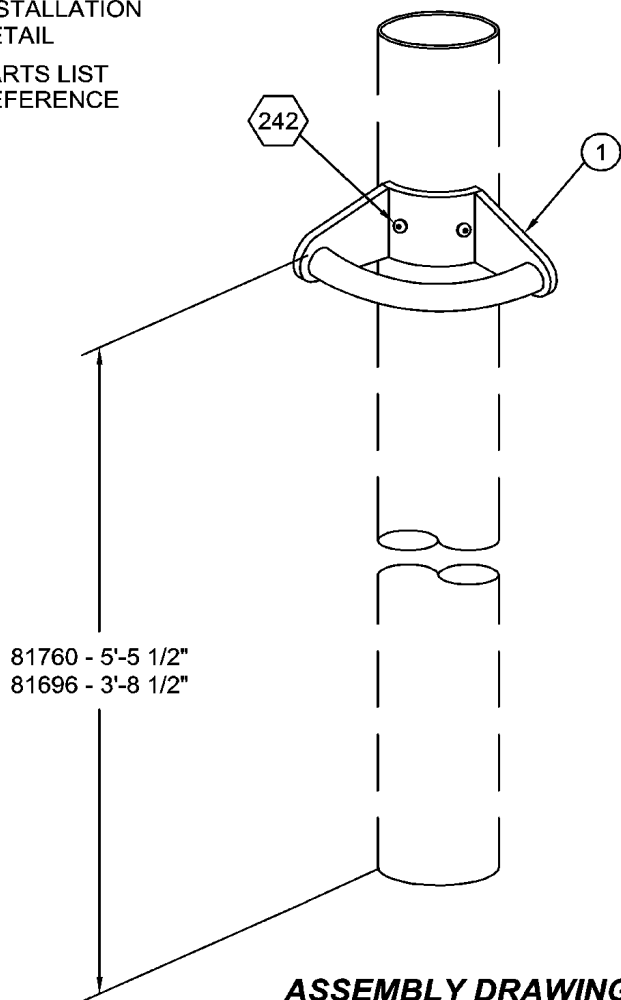
ISSUED/REVISED: 9/11/12

81670

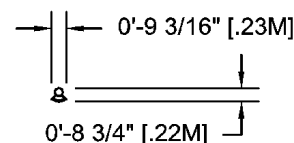
CRUNCH BAR

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



CRUNCH BAR 5-12 81670
CRUNCH BAR 2-5 81696



TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Crunch Bar Assembly	1	169781
	Hardware Complete	1	160404
	3/8" x 1" P.B.H.C.S. w/ Patch	2	812050*
	3/8" Lockwasher	2	817334*

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.

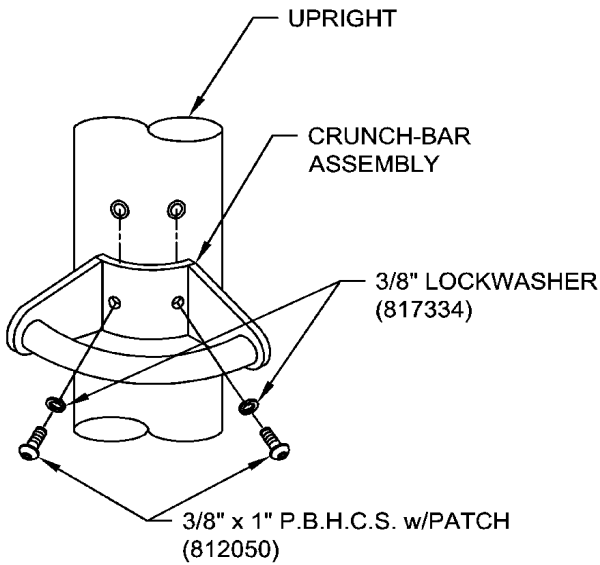
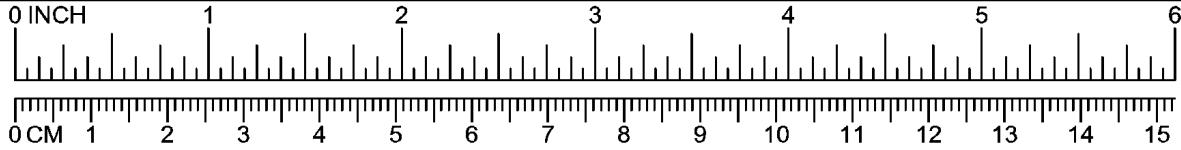
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81670 & 81696

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



242



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 9/11/13

81697

STAINLESS STEEL CARGO NET WALL

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

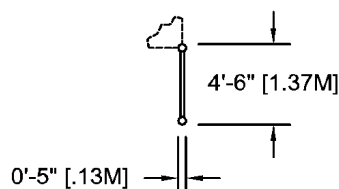
SINGLE 81697
DOUBLE 81698

INSTALLATION INSTRUCTIONS

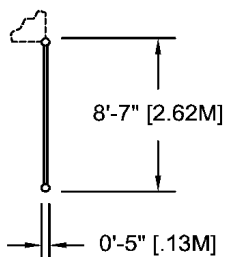
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.

2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

3. Loctite (supplied by others) should be used on all hex bolts.

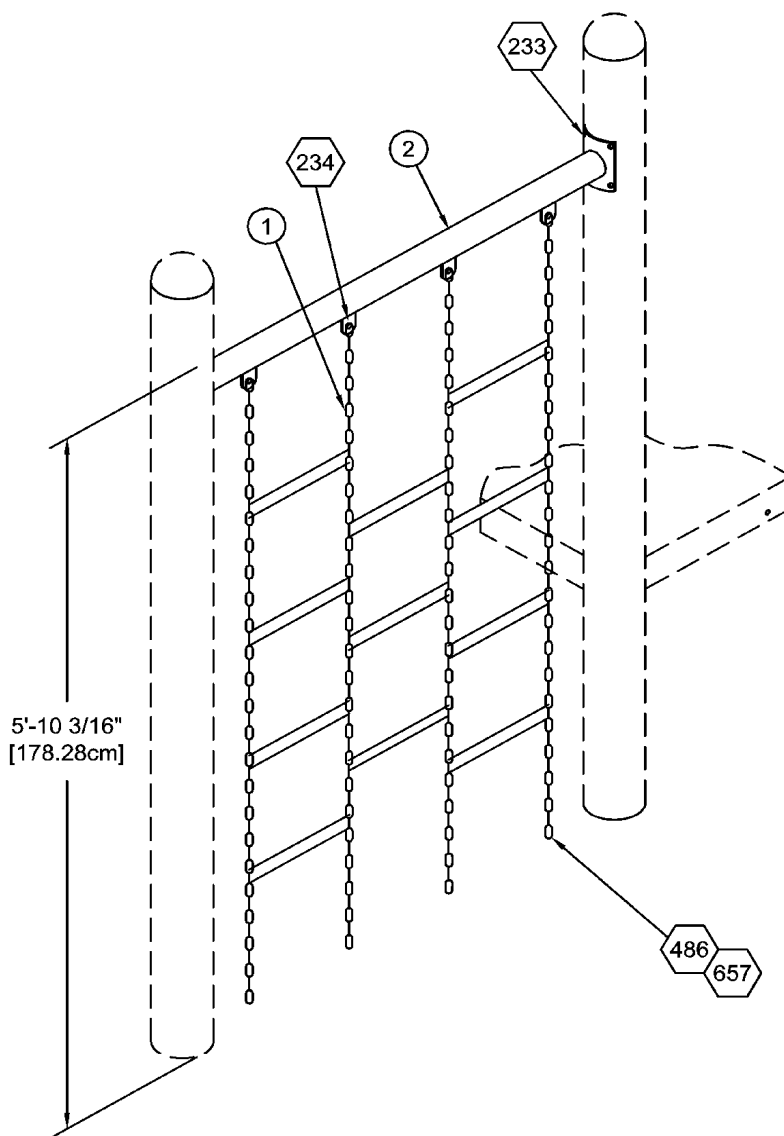


81697

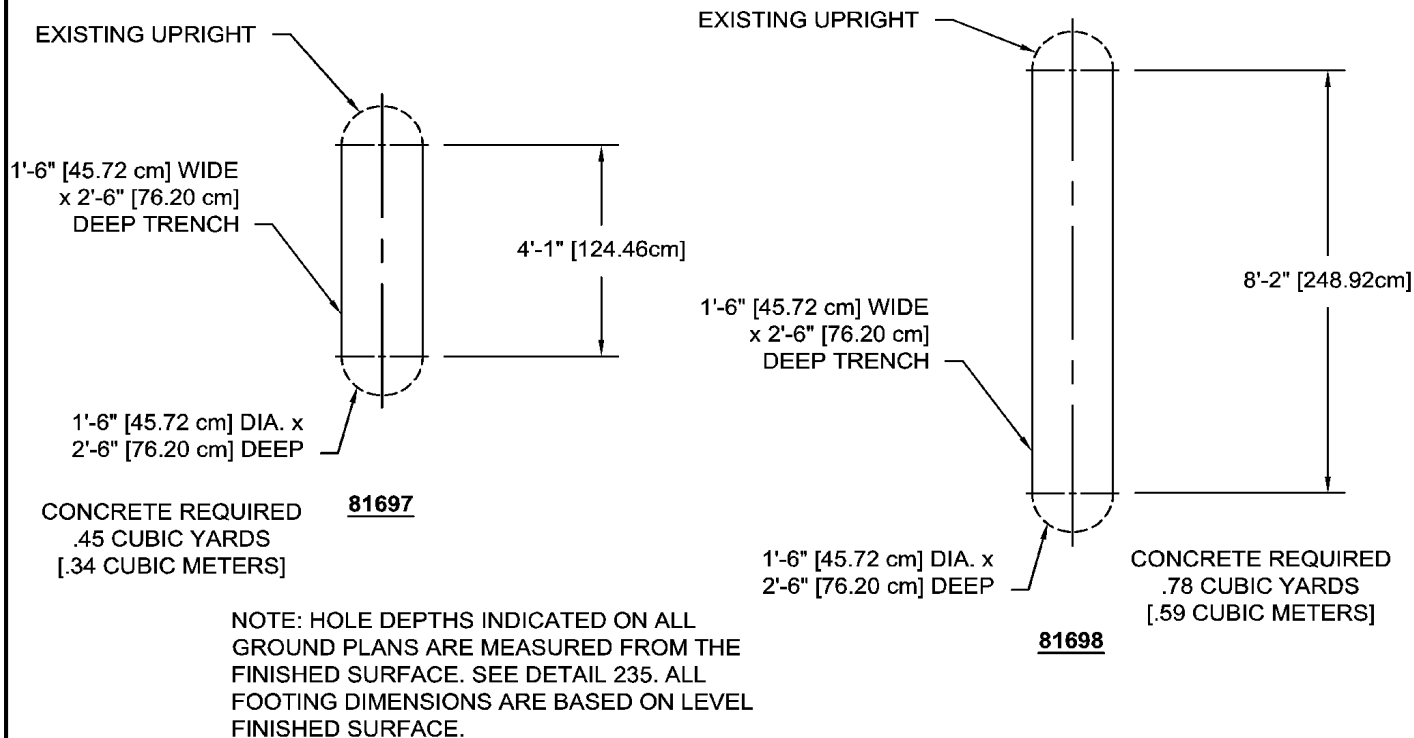


81698

TOP VIEWS



ASSEMBLY DRAWING



GROUND PLANS

PARTS LIST

REF NO.	DESCRIPTION	NO. 81697	REQ'D. 81698	PART NUMBER
1	Cargo net	1	2	177852
2	Top Rail	1	0	159746
2	Top Rail	0	1	159744
	Attachment Pipe	4	8	177724
	Hardware Complete	1	0	178463
	Hardware Complete	0	1	178464
	3/8" x 1" Hex Head Bolt	4	8	801003*
	3/8" x 1" P.B.H.C.S.	4	8	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	8	8	812051*
	3/8" x 1 1/2" P.B.H.C.S.	4	8	812053*
	3/8" Lockwasher	16	24	817334*
	3/8" Flatwasher	24	40	817410*
	3/8" Tee-Nut	4	8	804556*
	3/8" Hex Nut (Self Lock)	8	16	804353*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

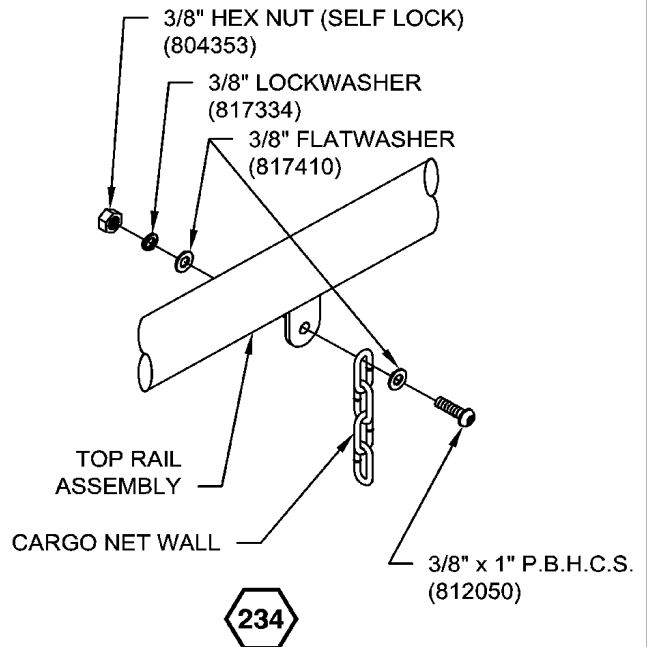
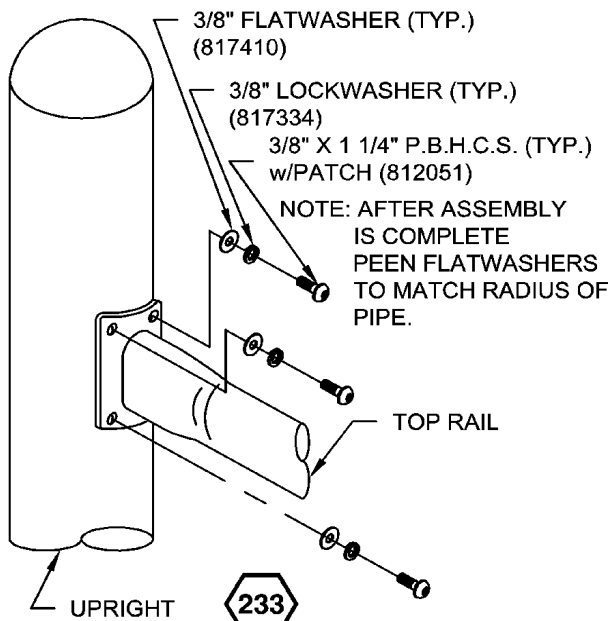
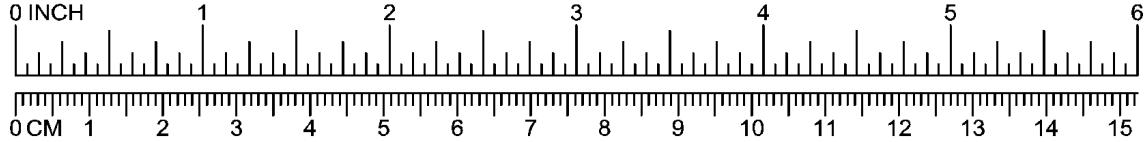
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 81697, 81698

IMPORTANT

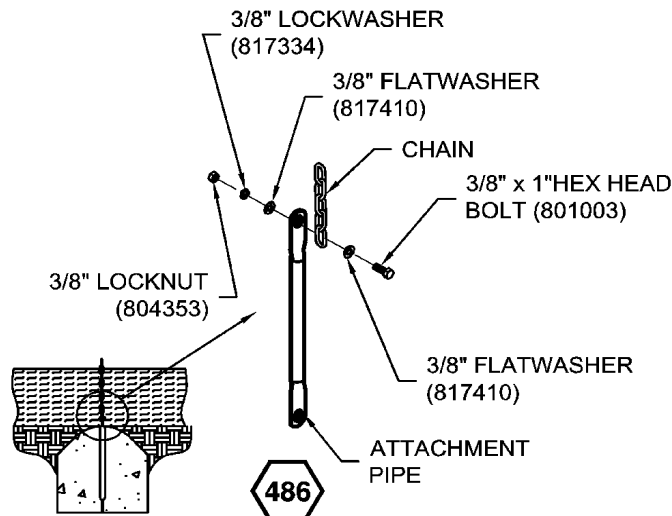
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



CHAIN TO PIPE ATTACHMENT POINT SHOULD BE ABOVE CONCRETE

NOTE: IT IS CRITICAL THAT CHAINS ARE TAUT WHEN CONCRETE IS POURED. REMOVE ANY EXCESS CHAIN.

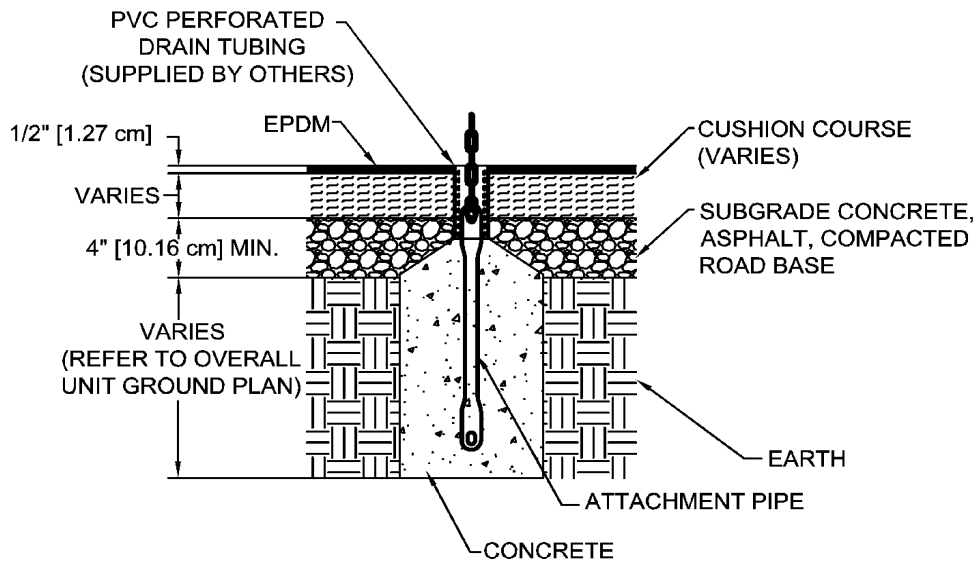
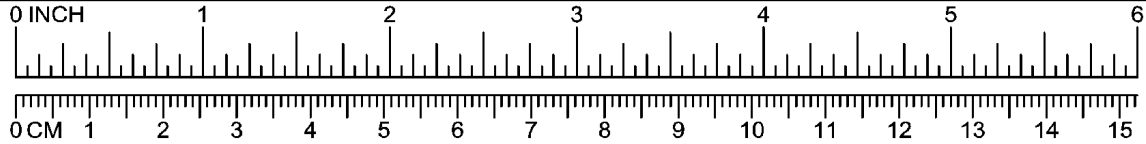


DETAILS -for- 81697, 81698

IMPORTANT

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



657 FOR POUR-IN-PLACE SURFACING ONLY

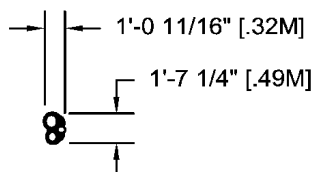
⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

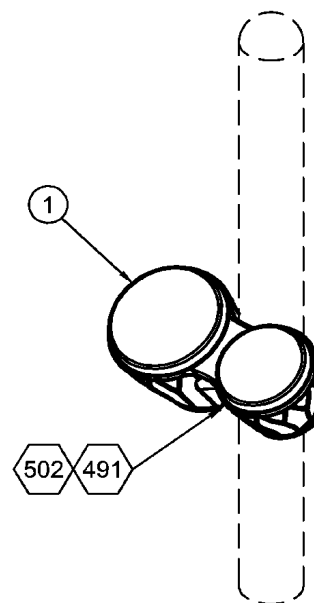
INSTALLATION INSTRUCTIONS

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2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Bongos	1	177954
	Hardware Complete	1	178081
	3/8" x 1" P.B.H.C.S. w/Patch	4	812050*
	3/8" Lockwasher	4	817334*
	3/8" Flatwasher	4	817424*

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.

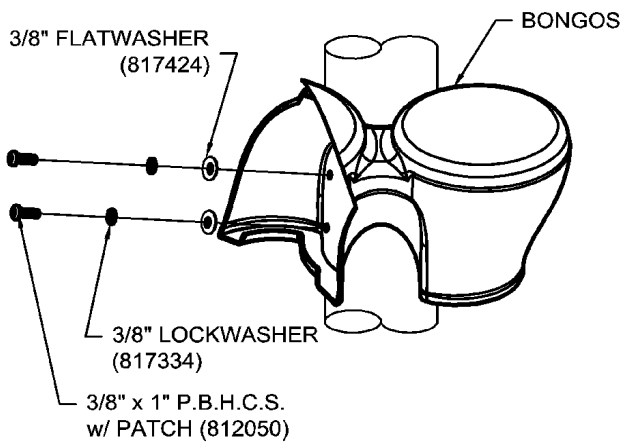
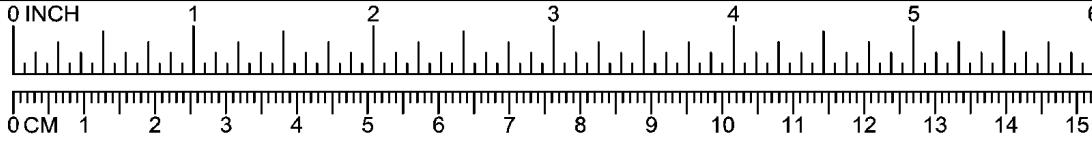
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81699

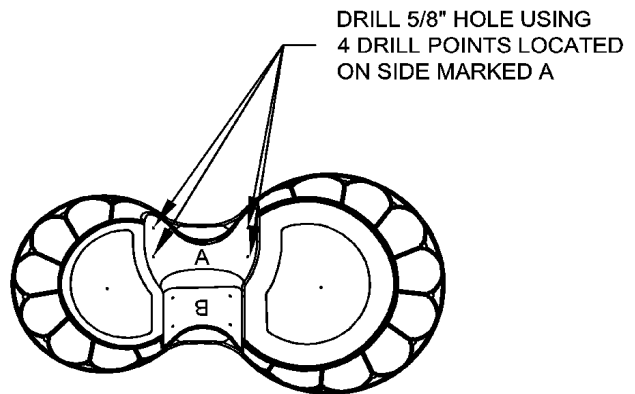
IMPORTANT

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



491

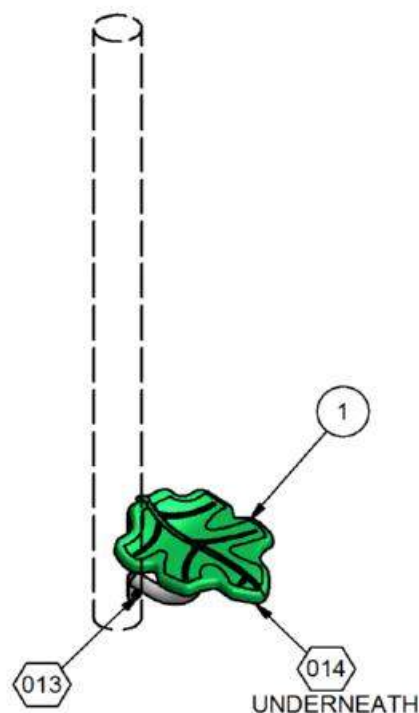
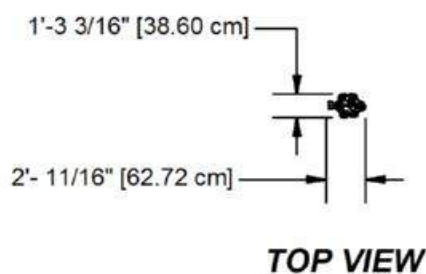


502



INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	LEAF STEP	1	201413
2	LEAF BRACKET	1	201695
	HARDWARE COMPLETE	1	202350
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
	3/8" LOCKWASHER	6	817334*
	3/8" FLAT WASHER	6	817410*

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.

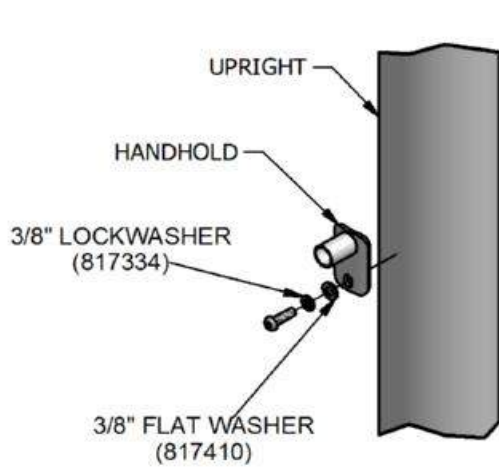
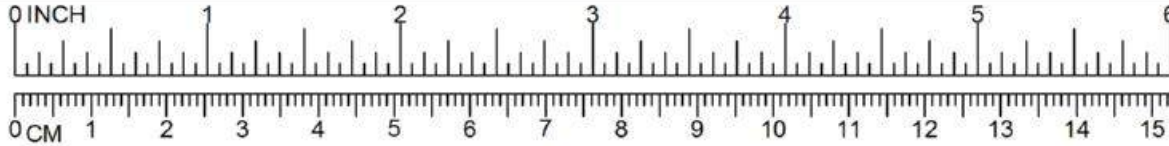
DETAILS -for- 81766

IMPORTANT

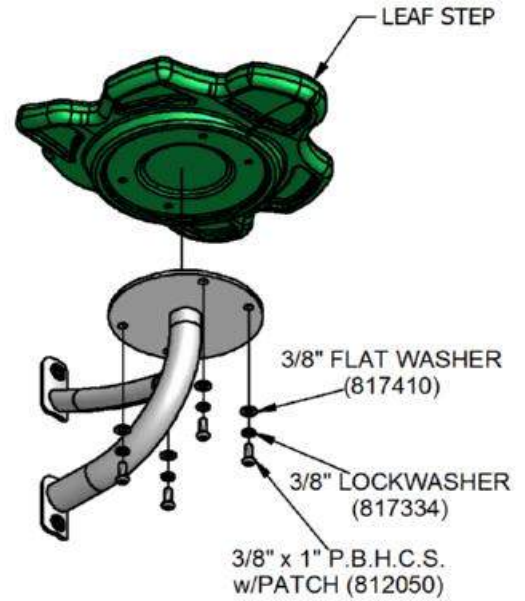
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



013



014

TALK TUBE ATTACHMENTS

 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

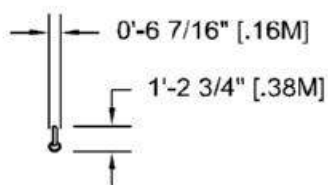
0'-6" THRU 2'-0"	81675
2'-6" THRU 4'-0"	81676
4'-6" THRU 6'-0"	81677
6'-6" THRU 8'-0"	81678
FREESTANDING	81768



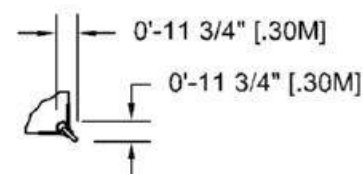
81768



81678 SHOWN



81768



81675-81678

TOP VIEWS

INSTALLATION INSTRUCTIONS

IN-GROUND ASSEMBLY

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.

DECK ASSEMBLY

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Dig 6" wide x 6" deep trench between designated locations for talk tubes.
4. Refer to Pipe Length chart on the *Assembly Drawing* to field cut the non-swaged end of talk tube section to its proper length.
5. Attach Connection Sleeves to Upright. Refer to Detail 436.
6. Slide talk tube section thru Connection Sleeves and attach the talk tube section and 10'-0" lengths of PVC pipe to the 90° PVC elbow using the Fitting Detail.

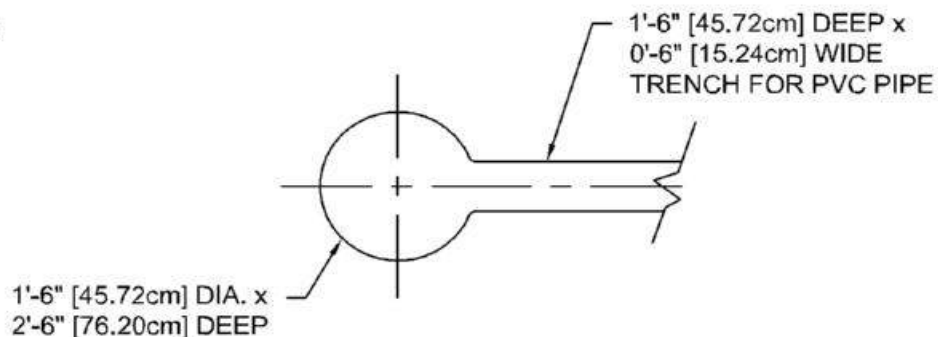
7. Slide the Funnel Assembly thru connection sleeve. Fit Funnel Assembly over swaged top on Talk Tube Section. Refer to detail 245. ***Note: See Top View for orientation. Funnel Assembly should be positioned directly over top of upright as shown in Assembly Drawing and Top View.**

8. Refer to the Assembly Drawing dimensions of Funnel Assembly in relation to the upright. Attach Funnel Assembly and Talk Tube Section to Connection Sleeves using pop rivets. Refer to detail 435.

9. For Ground level installation attach Funnel Assembly to upright using detail 430. Refer to 90661 Assembly Drawing for proper placement.

Attention: Because sound travels best in a straight line, the pipe and couplings furnished with this product accommodate in-line installation. If your installation requires turns in the pipe, you may purchase the appropriate 1-1/4" PVC couplings at a local hardware or plumbing supply store.

NOTE: NO CONCRETE IS REQUIRED FOR TRENCH, REFER TO TOP VIEW IN INSTALLATION MANUAL FOR TRENCH LENGTH. DISTANCE WILL VARY.

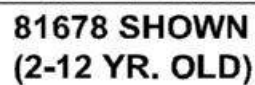


GROUND PLAN

CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

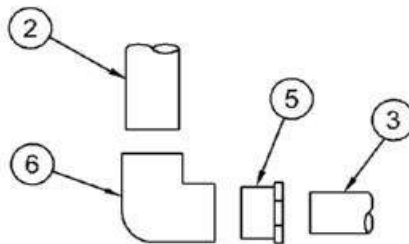
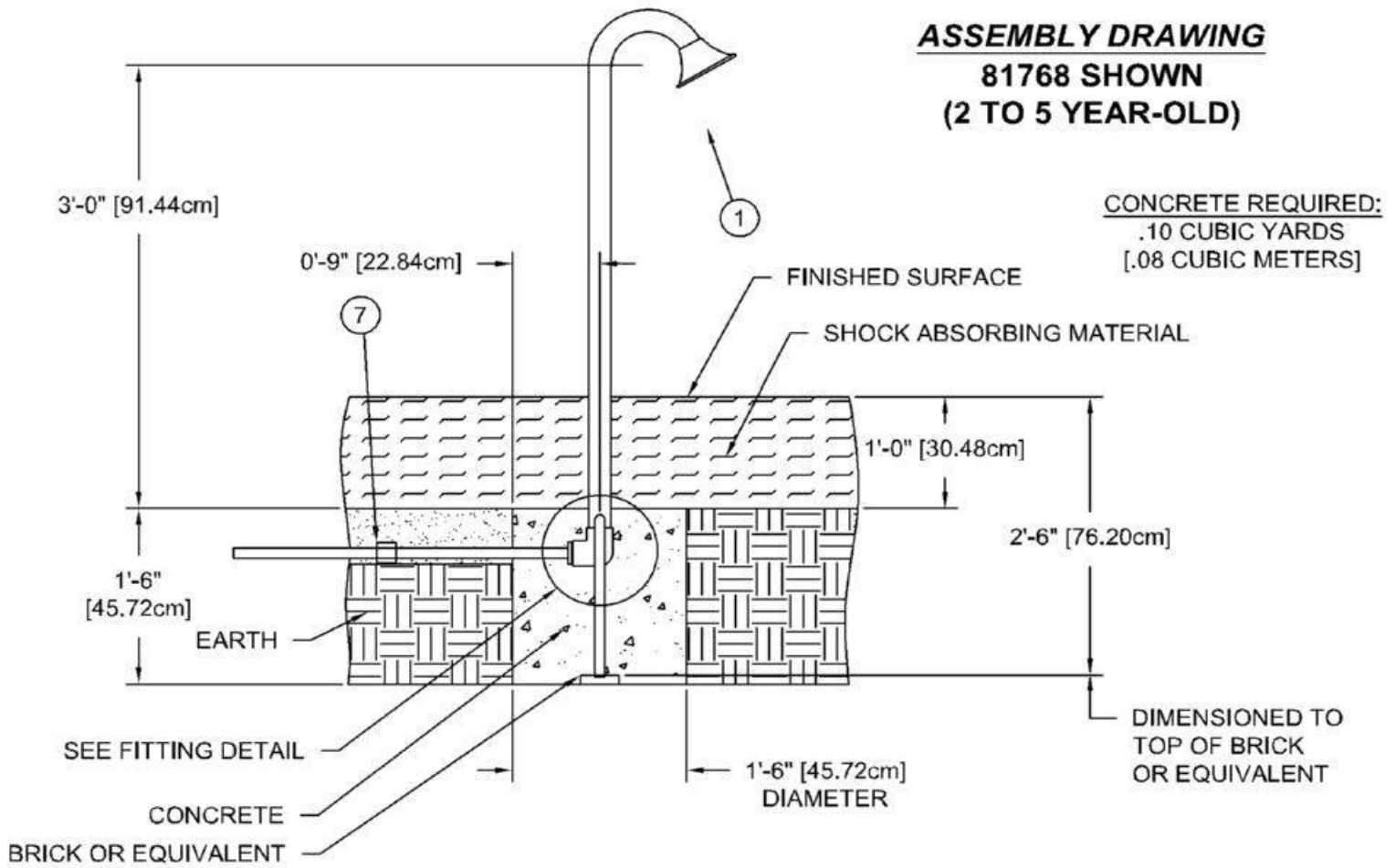
**NOTE: SUGGESTED MINIMUM
CONCRETE RATING: 3000 PSI**

**NOTE: HOLE DEPTHS INDICATED ON ALL
GROUND PLANS ARE MEASURED FROM
THE FINISHED SURFACE. SEE ASSEMBLY
DRAWINGS. ALL FOOTING DIMENSIONS
ARE BASED ON LEVEL FINISHED SURFACE.**



ASSEMBLY DRAWING

**81768 SHOWN
(2 TO 5 YEAR-OLD)**



FITTING DETAIL

TALK TUBE SECTION LENGTHS

* MEASURED FROM SWAGED END
TO OPPOSITE END OF PIPE.

PRODUCT NO.	DECK HEIGHT	LENGTH OF TALK TUBE SECTION (NON-SWAGED END) TO BE REMOVED IN FIELD	FINAL TALK TUBE SECTION LENGTHS
81675	0'-6"	12" LG.	36 1/2" LG.
	1'-0"	12" LG.	36 1/2" LG.
	1'-6"	NO CUTTING REQUIRED	48 1/2" LG.
	2'-0"	NO CUTTING REQUIRED	48 1/2" LG.
81676	2'-6"	12" LG.	60 1/2" LG.
	3'-0"	12" LG.	60 1/2" LG.
	3'-6"	NO CUTTING REQUIRED	72 1/2" LG.
	4'-0"	NO CUTTING REQUIRED	72 1/2" LG.
81677	4'-6"	12" LG.	84 1/2" LG.
	5'-0"	12" LG.	84 1/2" LG.
	5'-6"	NO CUTTING REQUIRED	96 1/2" LG.
	6'-0"	NO CUTTING REQUIRED	96 1/2" LG.
81678	6'-6"	12" LG.	108 1/2" LG.
	7'-0"	12" LG.	108 1/2" LG.
	7'-6"	NO CUTTING REQUIRED	120 1/2" LG.
	8'-0"	NO CUTTING REQUIRED	120 1/2" LG.

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.					PART NUMBER
		81675	81676	81677	81678	81768	
1	Funnel Weld Assembly	1	1	1	1	0	165273
1	Funnel Weld Assembly	0	0	0	0	1	206446
2	Pipe, 48-1/2" Lg. (for 0'-6" to 2'-0" Deck)	1	0	0	0	0	159378
2	Pipe, 72-1/2" Lg. (for 2'-6" to 4'-0" Deck)	0	1	0	0	0	165585
2	Pipe, 96-1/2" Lg. (for 4'-6" to 6'-0" Deck)	0	0	1	0	0	159412
2	Pipe, 120-1/2" Lg. (for 6'-6" to 8'-0" Deck)	0	0	0	1	0	165587
3	1-1/4" PVC Pipe (10' Lg.)	2	2	2	2	2	147221
4	Connection Sleeve Assembly	3	3	4	4	0	176453*
	<i>Hardware Complete</i>	1	1	0	0	0	166070
	<i>Hardware Complete</i>	0	0	1	1	0	166071
	<i>Hardware Complete</i>	0	0	0	0	1	166072
5	2" x 1-1/4" PVC Bushing	1	1	1	1	1	141216*
6	2" PVC 90° Elbow	1	1	1	1	1	141214*
7	1-1/4" PVC Coupling	2	2	2	2	2	147222*
	4 Oz. Can PVC Glue	1	1	1	1	1	147199*
	Pop Rivet	6	6	8	8	0	140068*
	3/8" x 1 1/4" P.B.H.C.S. w/ Patch	3	3	4	4	0	812051*
	3/8" Lockwasher	3	3	4	4	0	817334*
	3/8" Flatwasher	0	0	0	0	0	817410*

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.

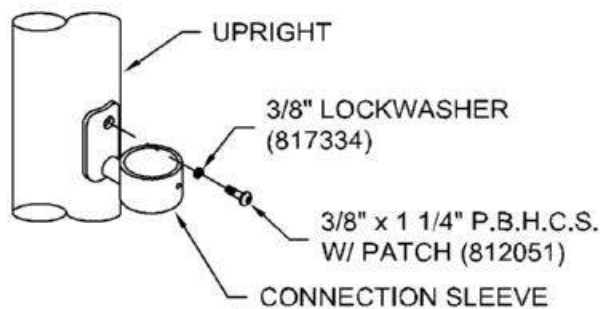
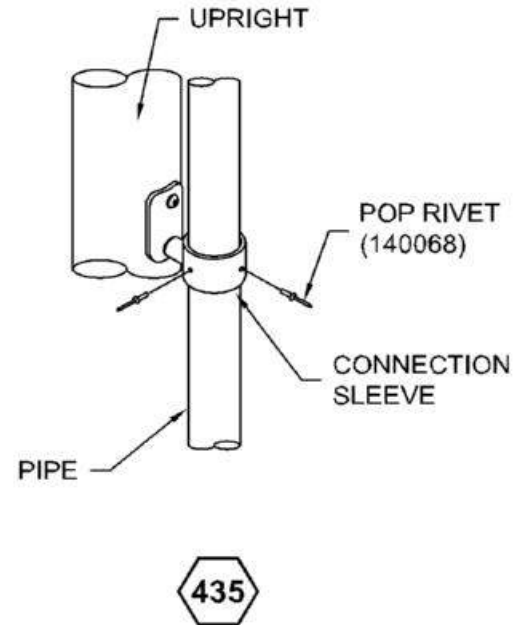
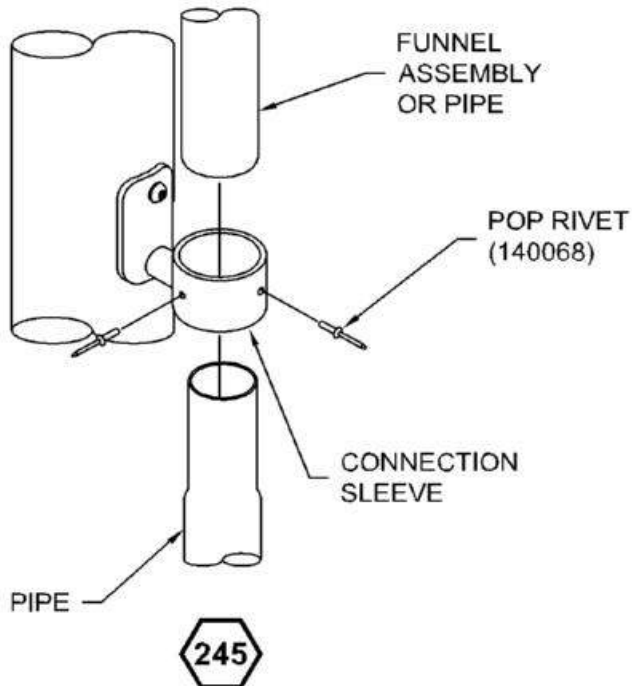
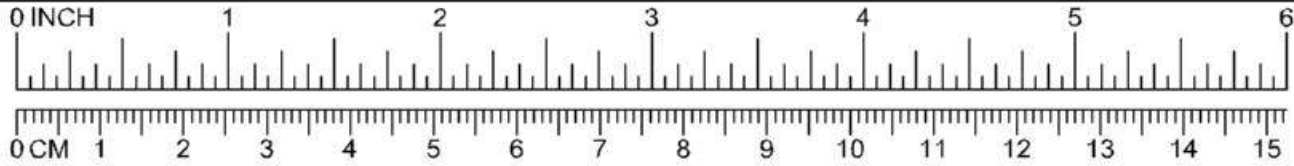
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81675, 81676, 81677, 81678 & 81768

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



PowerScape



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 9/12/23

90003 WIDE TRIANGLE DECK

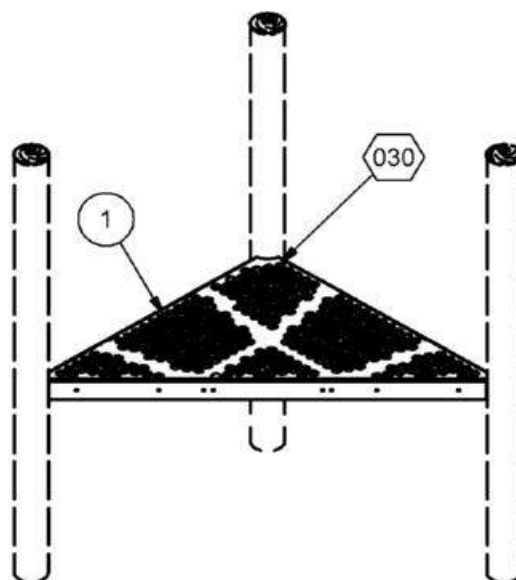
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

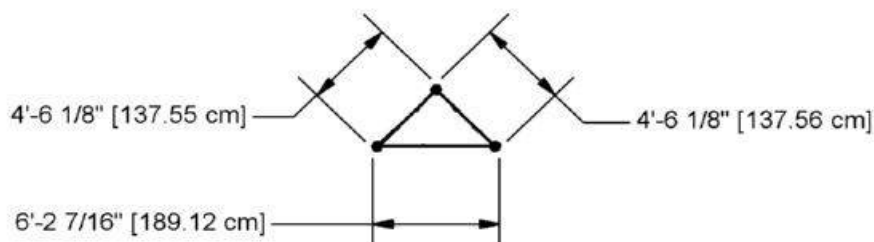


ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

- 1) Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
- 2) Dig ground holes per Ground Plan. See system top view for quantity.
- 3) Attach deck to uprights using (1) detail 030 per upright.
- 4) Loctite (supplied by others) should be used on all threaded hardware.
- 5) When decks are at the same height as shown in Assembly Drawing, fasten together using (2) Detail 031.

NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



TOP VIEW

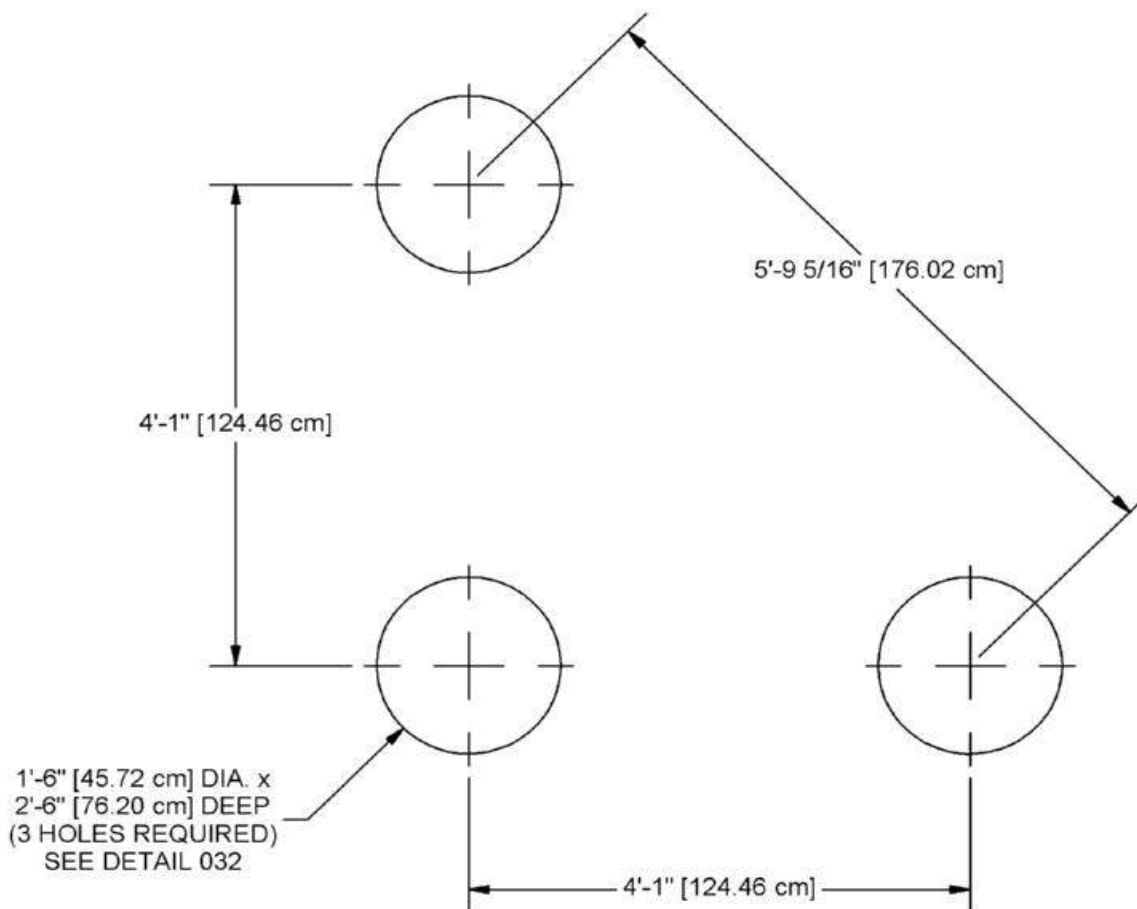
Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TRIANGLE DECK	1	176223
	HARDWARE COMPLETE	1	161255
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	6	810053*
	3/8" TEE NUT	2	804556*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
	3/8" LOCK WASHER	8	817334*

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

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

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

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



NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 032. All footing dimensions are based on level finished surface.

CONCRETE REQUIRED
.30 Cubic Yards
[.23 Cubic Meters]

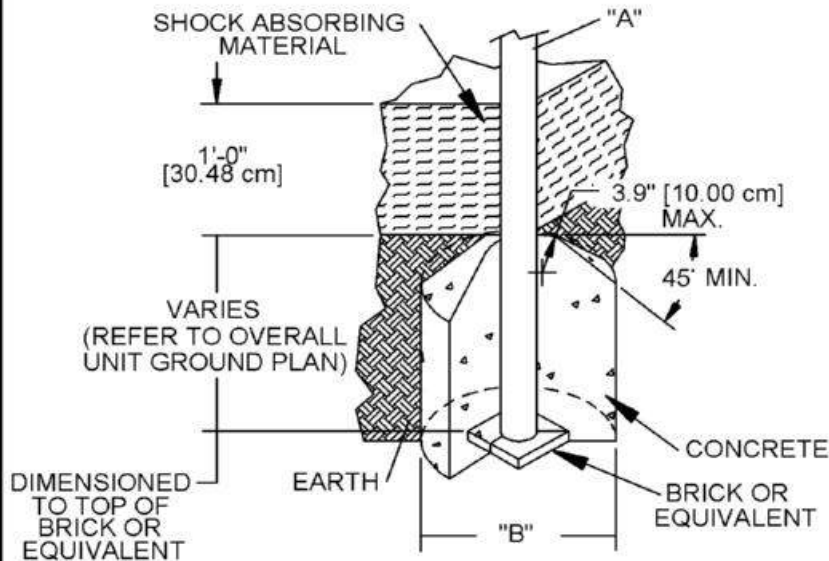
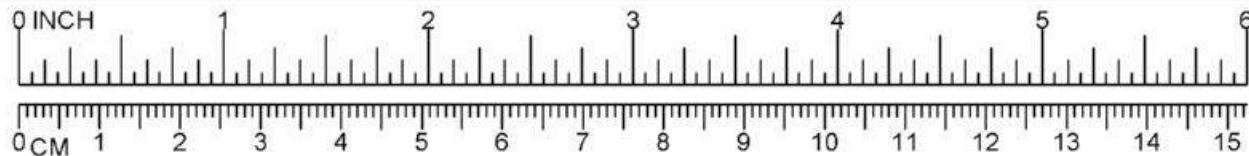
DETAILS -for- 90003

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.



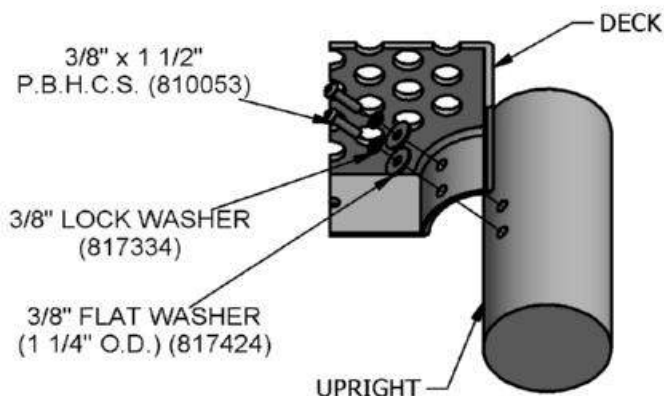
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

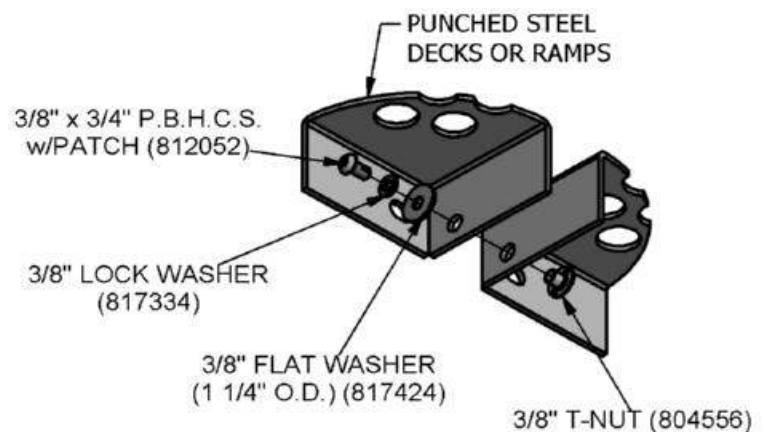
032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



*NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

*NOTE:
AFTER ASSEMBLY IS COMPLETED, PEEN FLATWASHERS TO MATCH RADIUS OF UPRIGHT.



031

TWO PIECE HEX DECK

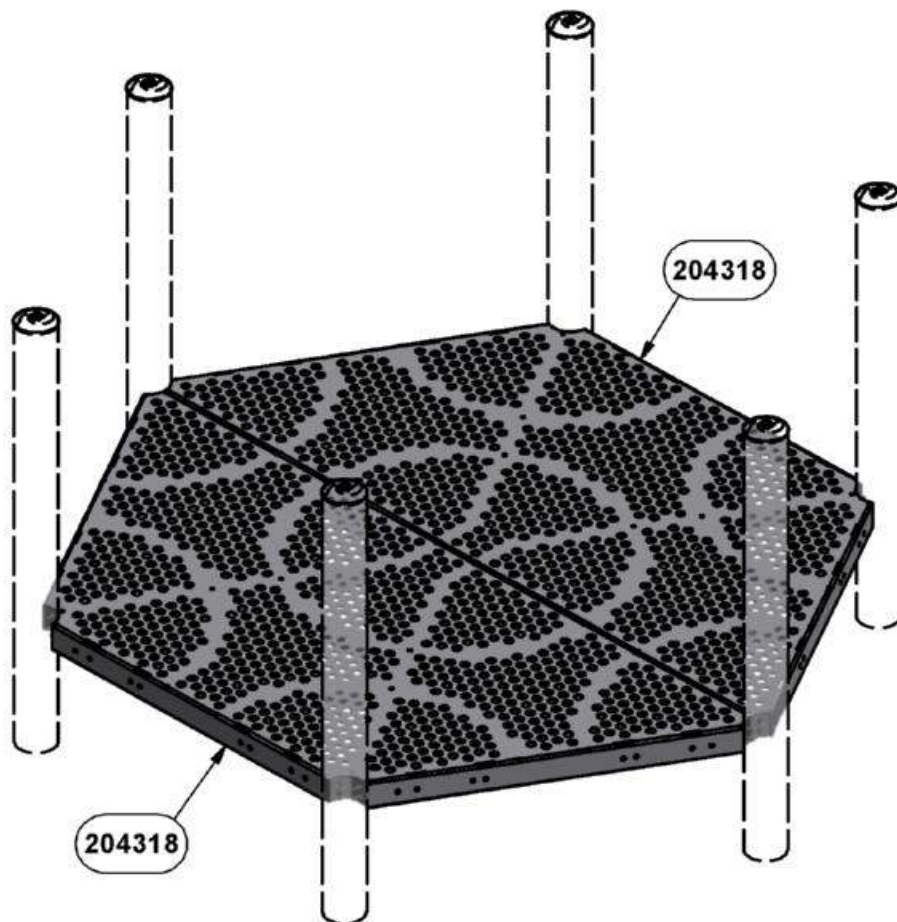


UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

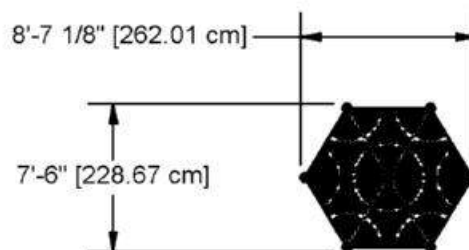
LARGE HOLES 90004
ADA HOLES 90005



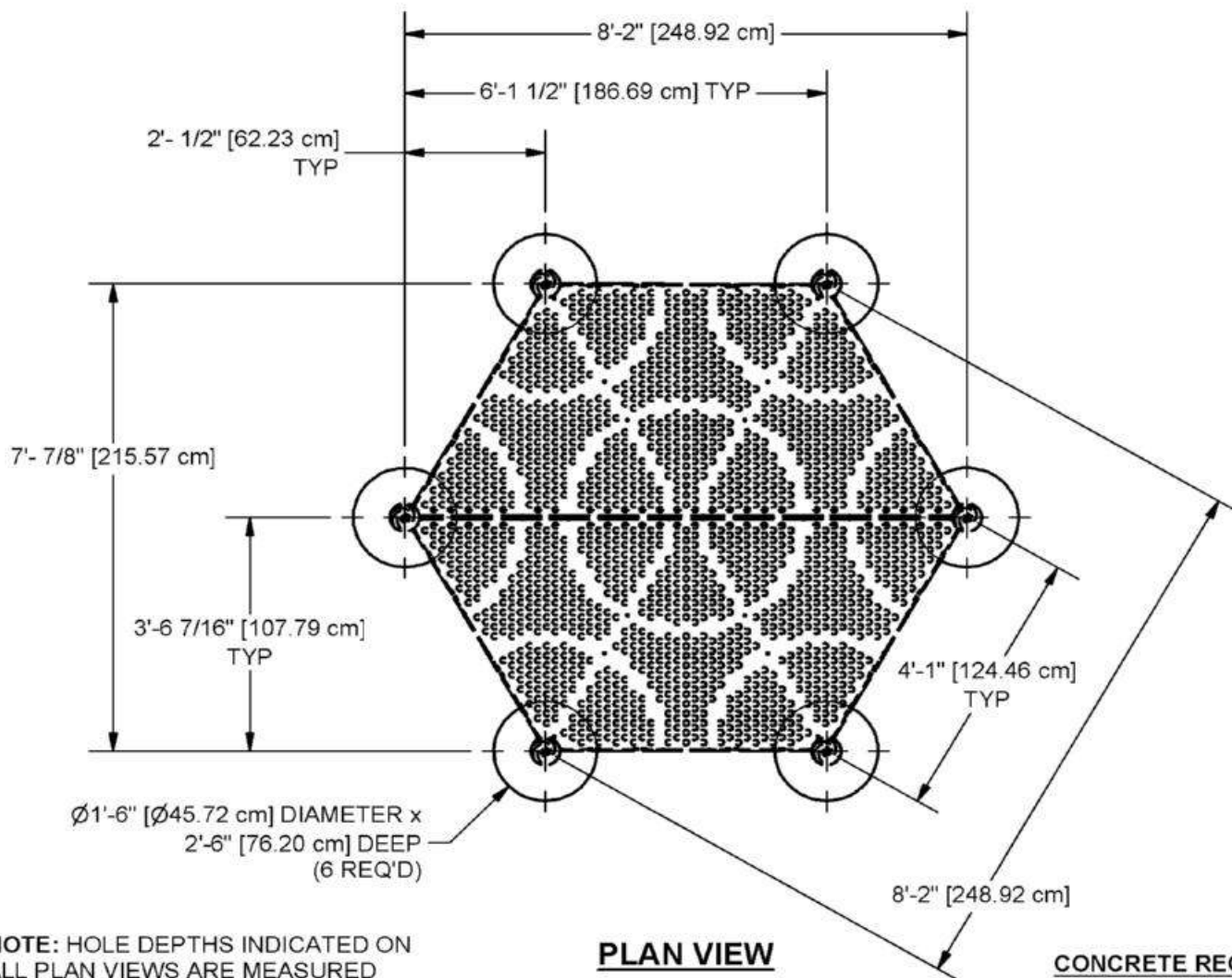
ASSEMBLY VIEW
90004 SHOWN
OTHER SIMILAR

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



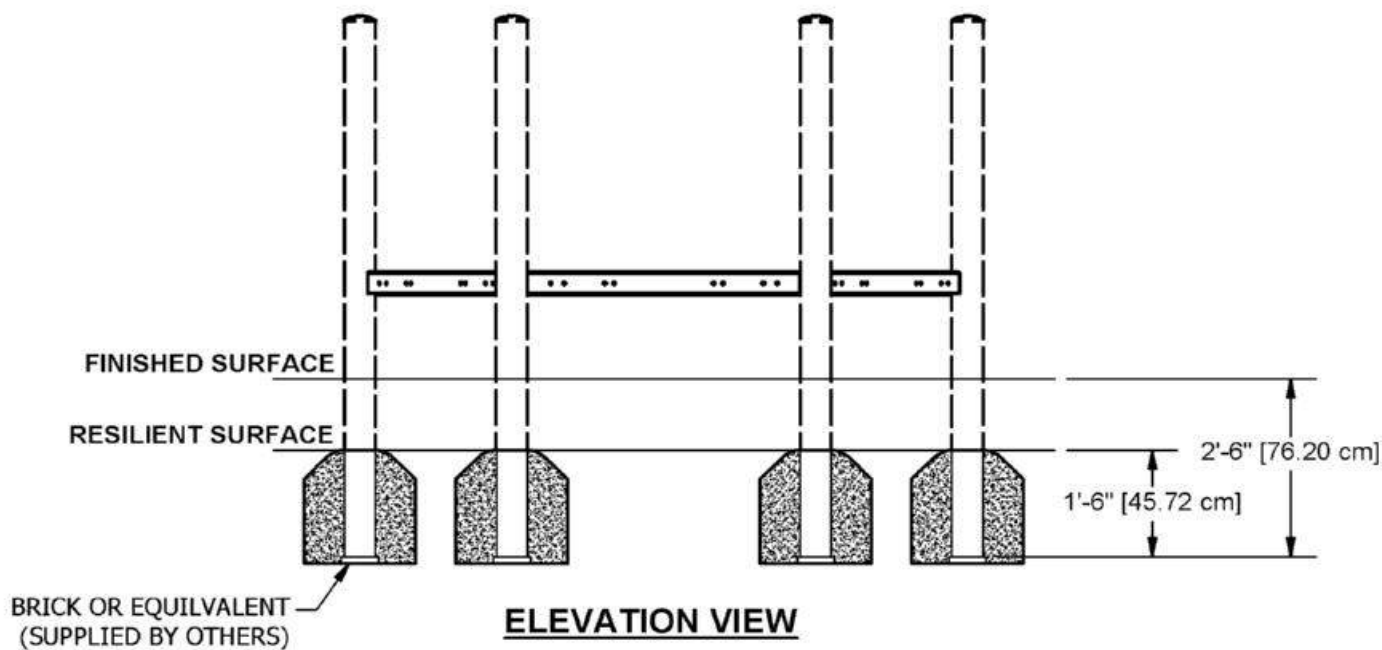
TOP VIEW



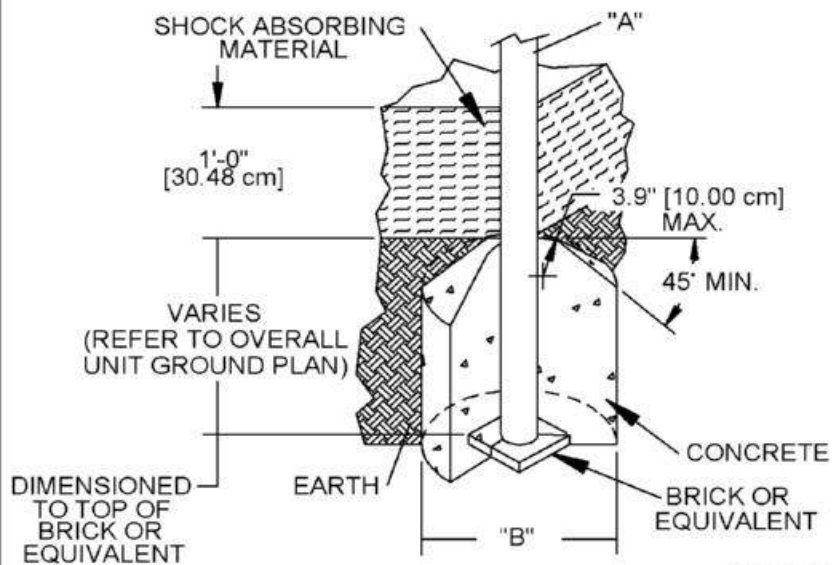
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

PLAN VIEW

CONCRETE REQUIRED
 .59 Cubic Yards
 [45 Cubic Meters]



ELEVATION VIEW



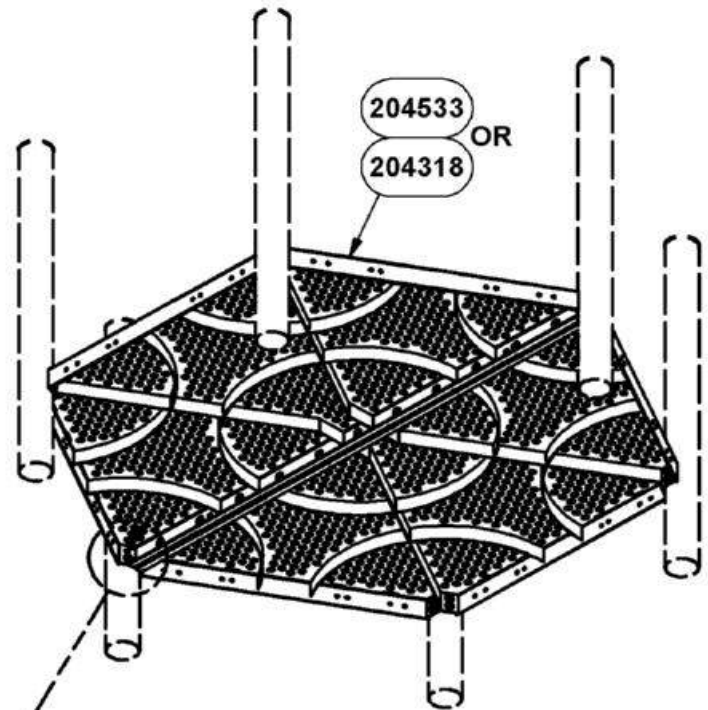
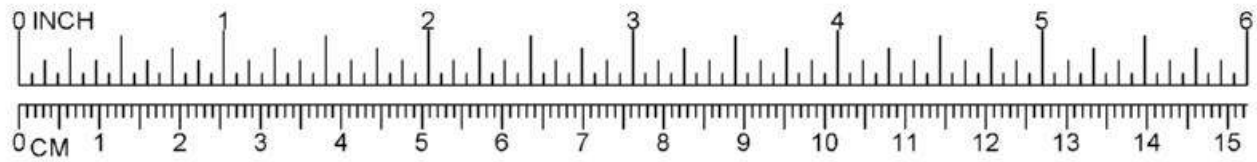
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

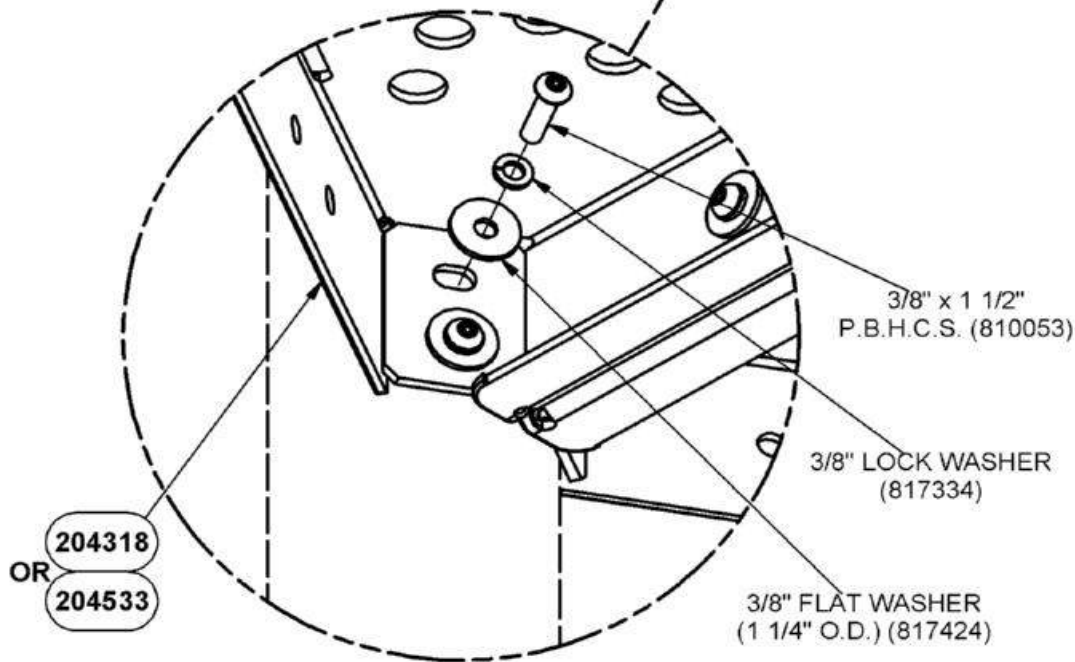
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL



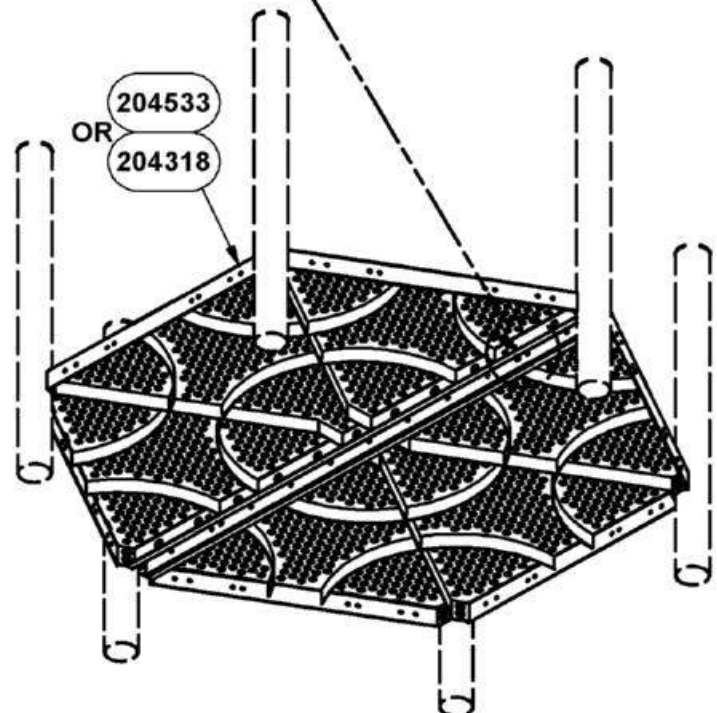
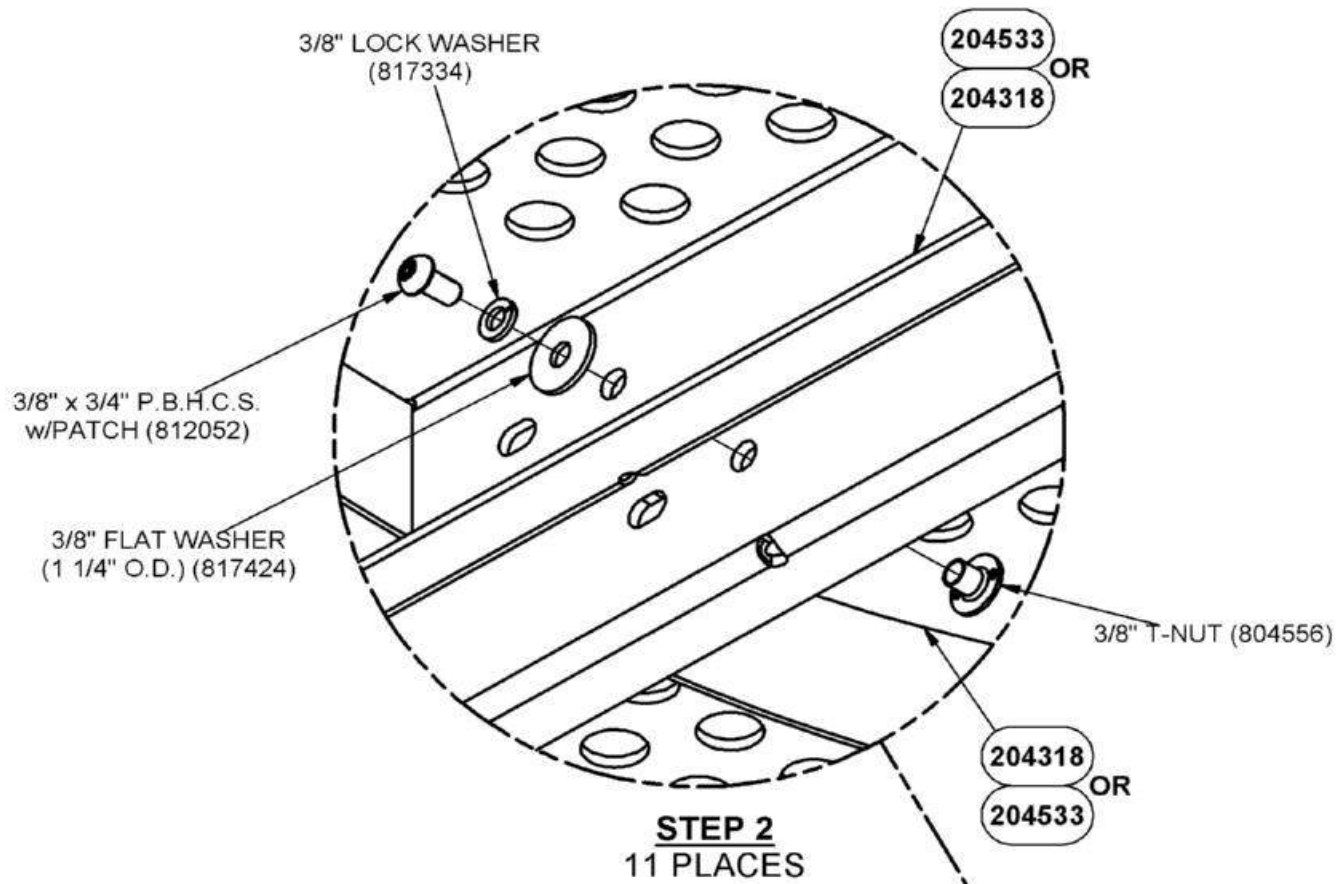
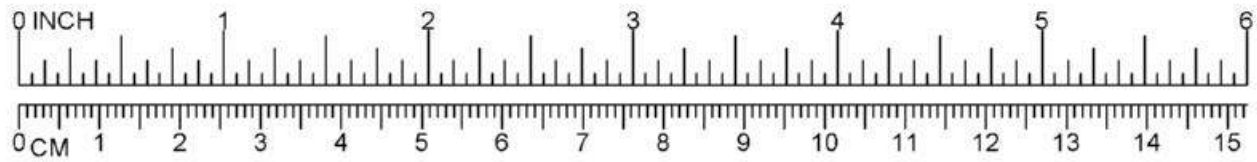
NOTE:
BOLTS SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLATION.



STEP 1
24 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List			
DESCRIPTION	90004	90005	PART NUMBER
TWO PIECE COATED HEX DECK	2	0	204318
TWO PIECE COATED ADA HEX DECK	0	2	204533
HARDWARE COMPLETE	1	1	204319
3/8" x 3/4" P.B.H.C.S. w/PATCH	11	11	812052*
3/8" x 1 1/2" P.B.H.C.S.	24	24	810053*
3/8" FLAT WASHER (1 1/4" O.D.)	35	35	817424*
3/8" LOCK WASHER	35	35	817334*
3/8" T-NUT	11	11	804556*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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GameTime®



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 08/22/13

90014 WIDE DECK ARCHWAY

GUARDRAIL
BARRIER 90014
90015

-  = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE



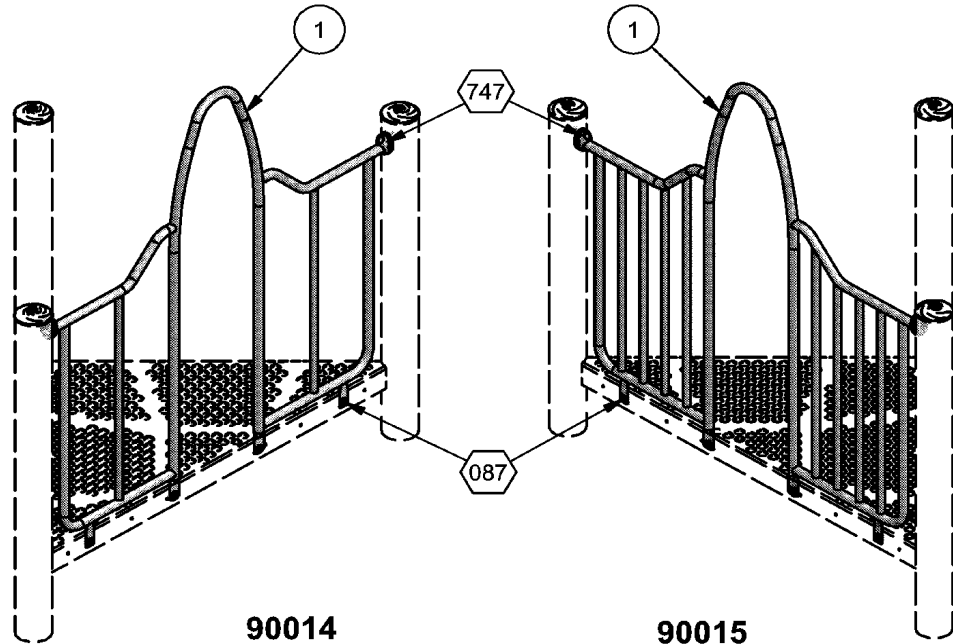
90014
UP
TO
2'-6"



90015



90014
UP
TO
4'-0"



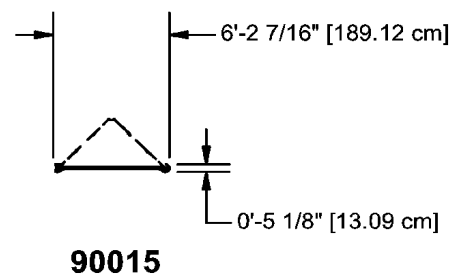
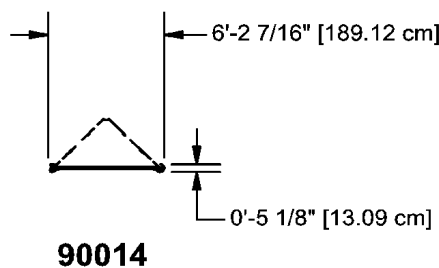
90014

90015

ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEWS

Parts List				
REF.	DESCRIPTION	90014	90015	PART NUMBER
1	WIDE GUARDRAIL ARCHWAY WELD ASS'Y	1	0	206008
1	WIDE ARCHWAY w/ INFILL WELD ASS'Y	0	1	206428
	TRU-LOC	2	2	Z03650
	HARDWARE COMPLETE	1	1	204505
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	6	6	817334*
	3/8" T-NUT	4	4	804556*
	ALUM. PIN	2	2	203568*

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

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

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

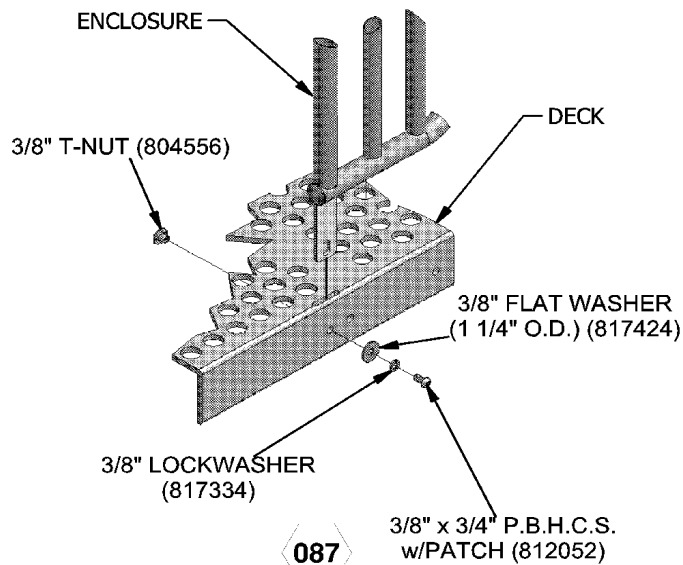
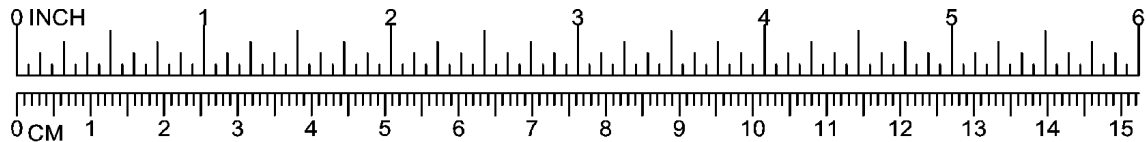
DETAILS -for- 90014 & 90015

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.

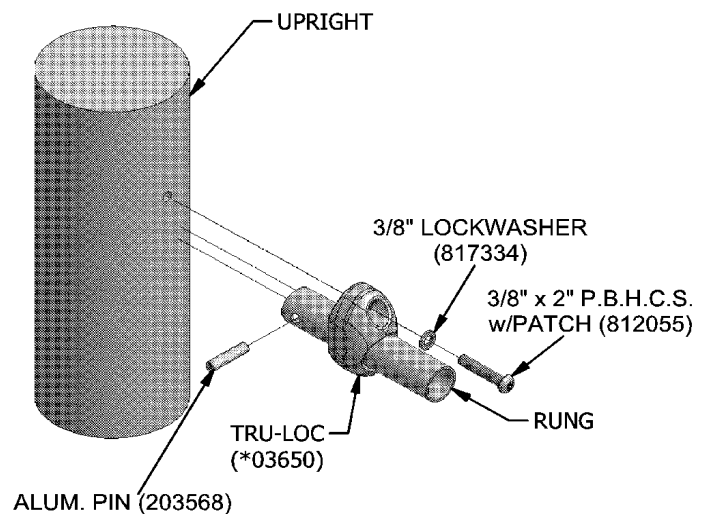
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



***NOTE:**
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.

(* = A OR Z)

747



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1-800-235-2440

ISSUED/REVISED: 4/5/2021

90018

ARCHWAY



90018

2'-6"
OR
BELOW



90019



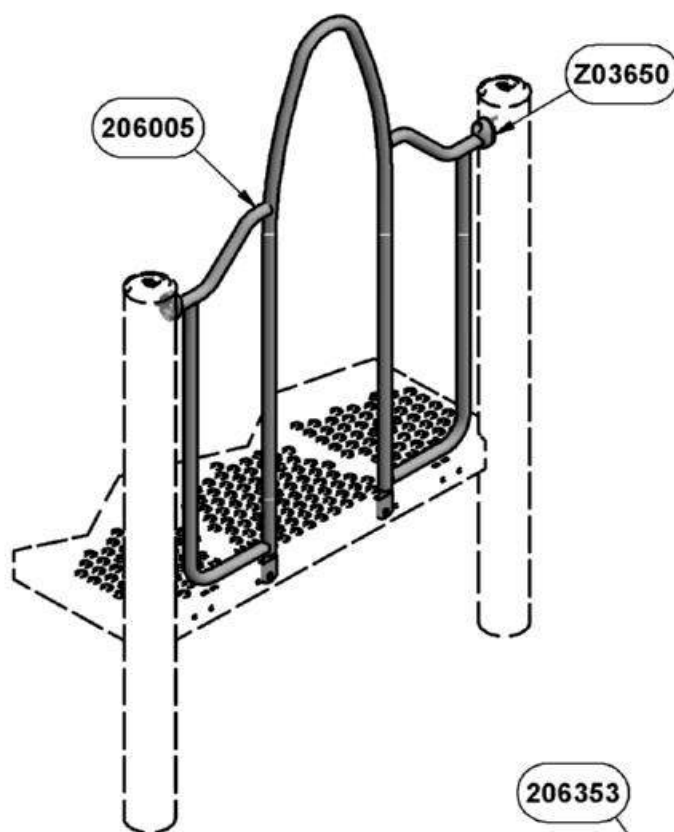
90018

4'-0"
OR
BELOW

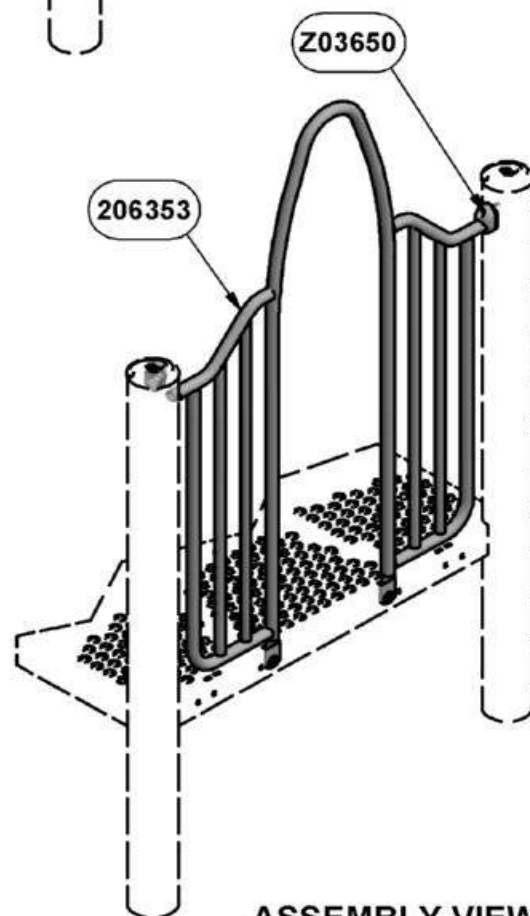
GUARDRAIL
BARRIER

90018

90019



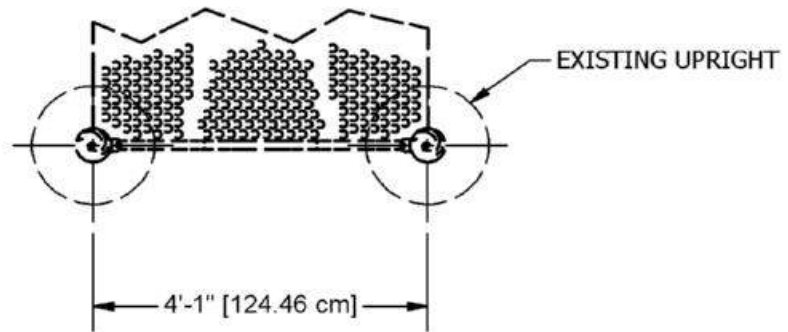
ASSEMBLY VIEW
90018



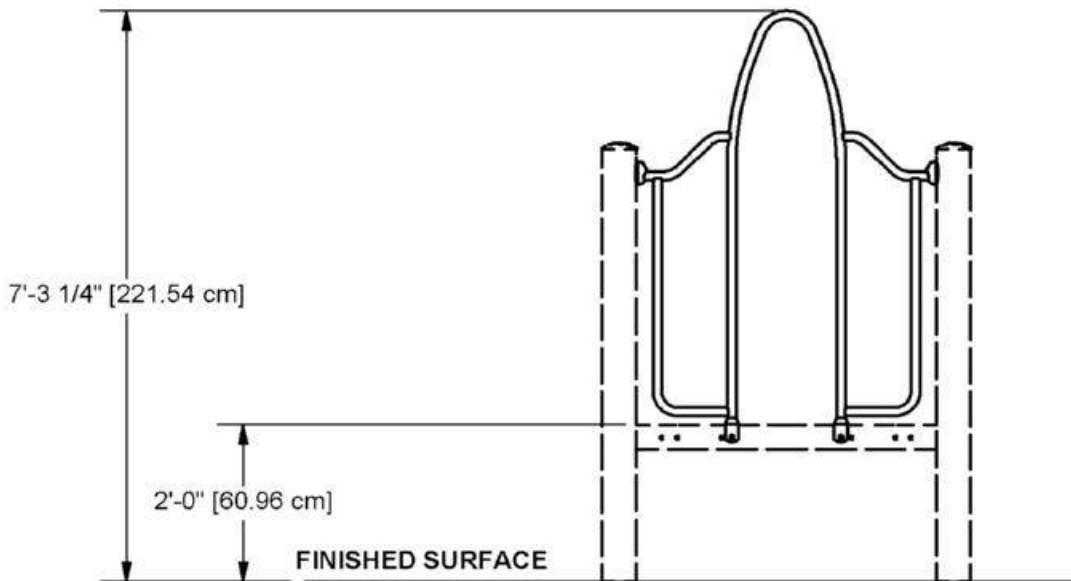
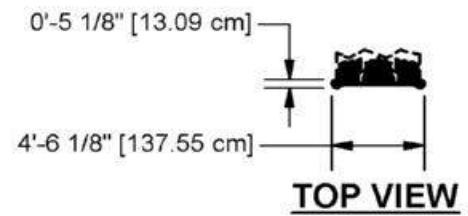
ASSEMBLY VIEW
90019

INSTALLATION INSTRUCTIONS

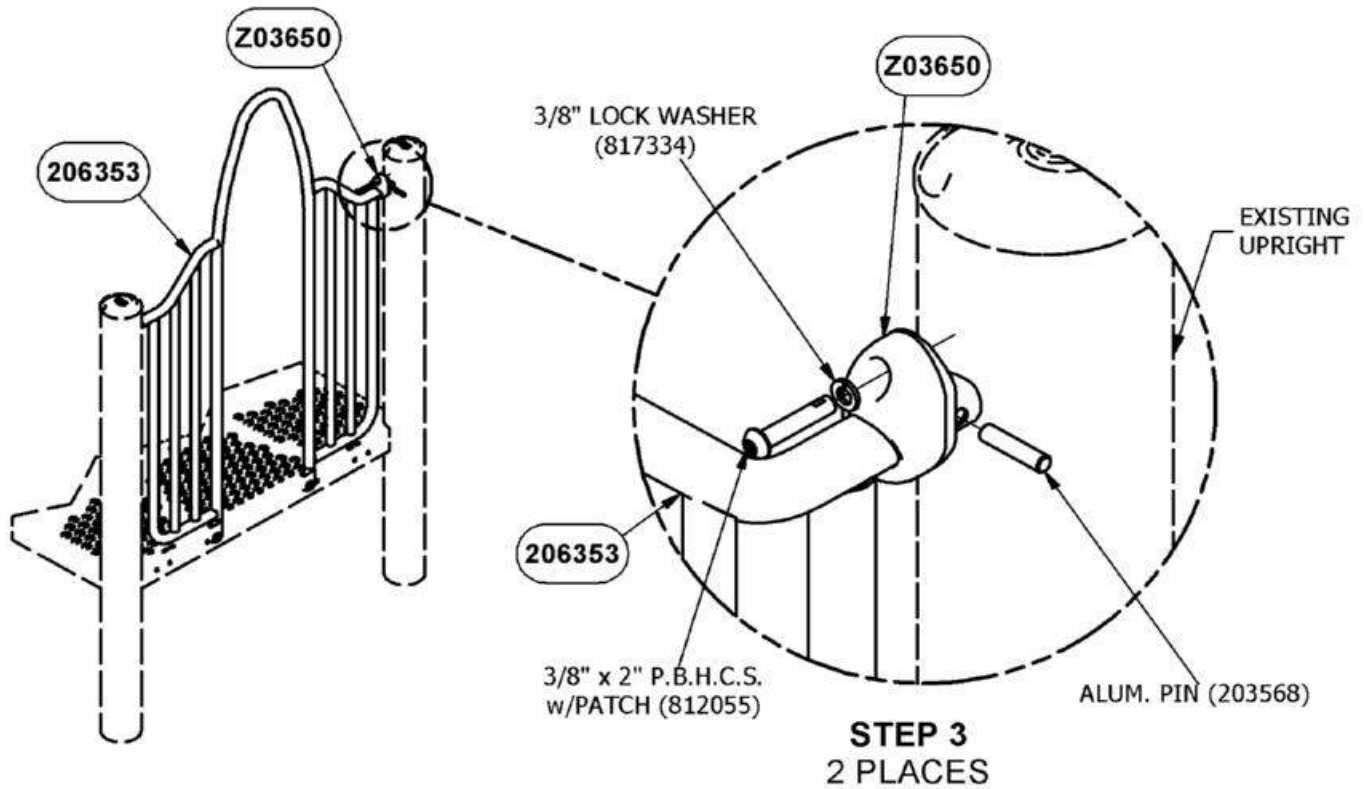
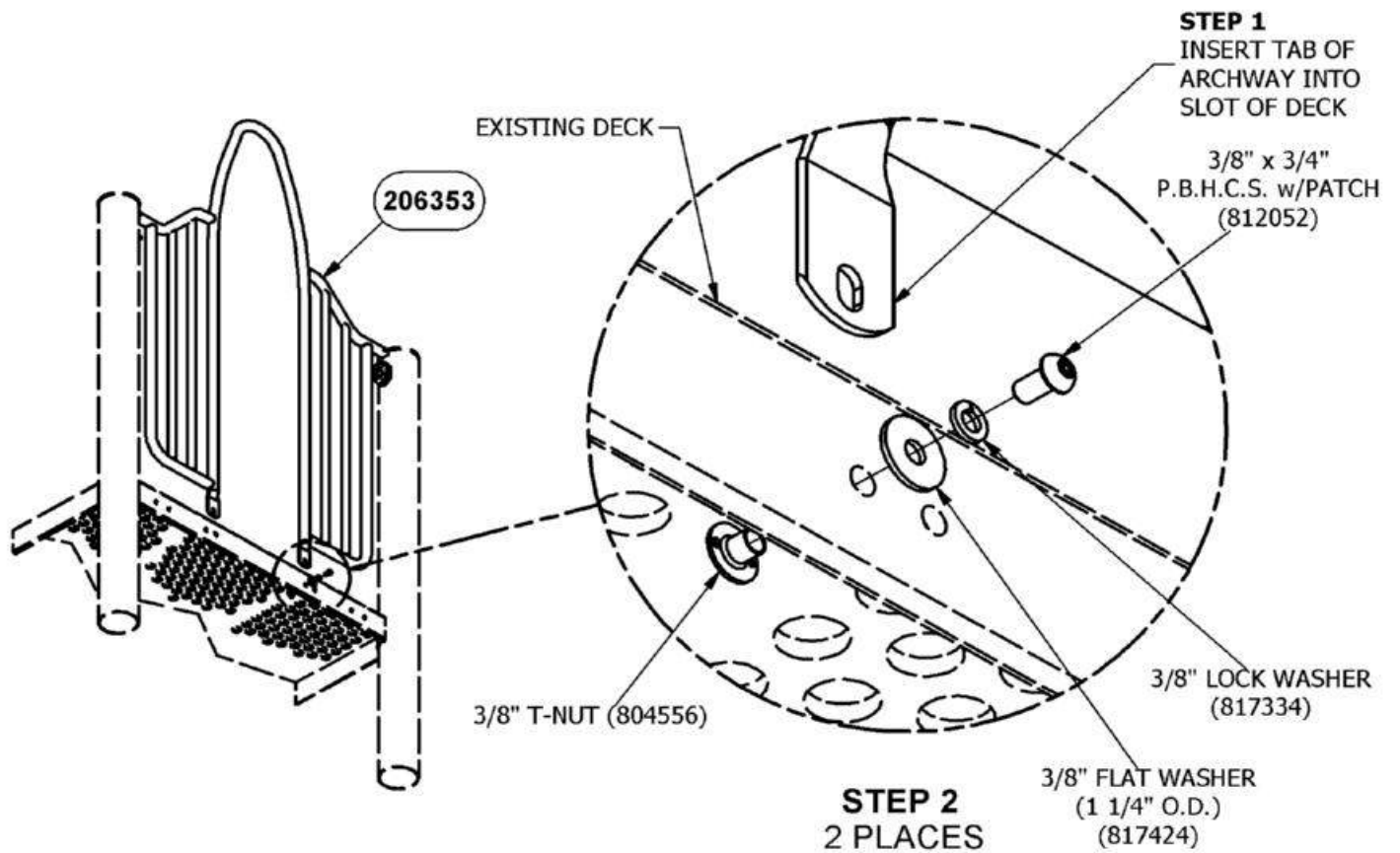
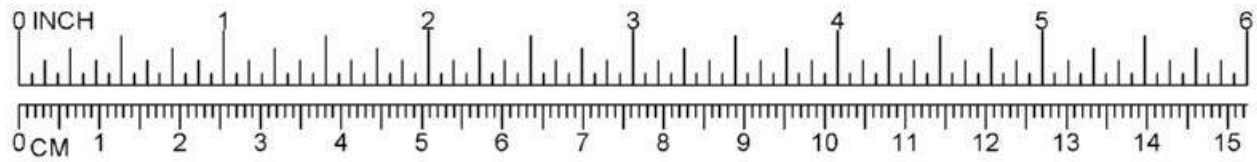
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



PLAN VIEW



ELEVATION VIEW
90018 SHOWN
OTHER SIMILAR



DETAIL VIEW

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

Parts List			
DESCRIPTION	90018	90019	PART NUMBER
ARCHWAY	1	0	206005
ARCHWAY W/INFILL WELD ASS'Y	0	1	206353
TRU-LOC	2	2	Z03650
HARDWARE COMPLETE	1	1	207091
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
3/8" LOCK WASHER	4	4	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
3/8" T-NUT	2	2	804556*
ALUM. PIN	2	2	203568*

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* Included in Hardware*

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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.

MAINTENANCE PROCEDURE:

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ISSUED/REVISED: 4/8/2024

90032

TRANSFER PLATFORM WITH GUARDRAIL



90032

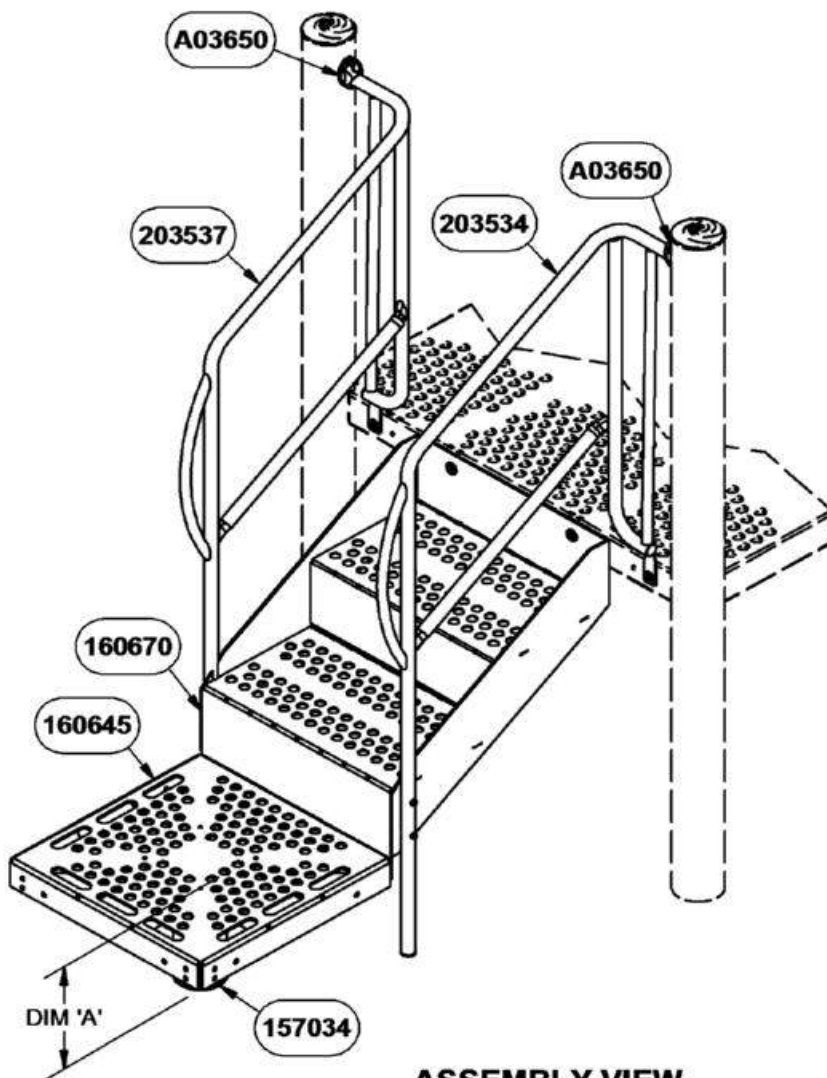


90033

3'-0" 90032
4'-0" 90033

INSTALLATION INSTRUCTIONS

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2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



ASSEMBLY VIEW
90032

TABLE	
COMPONENT	DIM 'A'
90032	1'-0" [30.48 cm]
90033	1'-4" [40.64 cm]

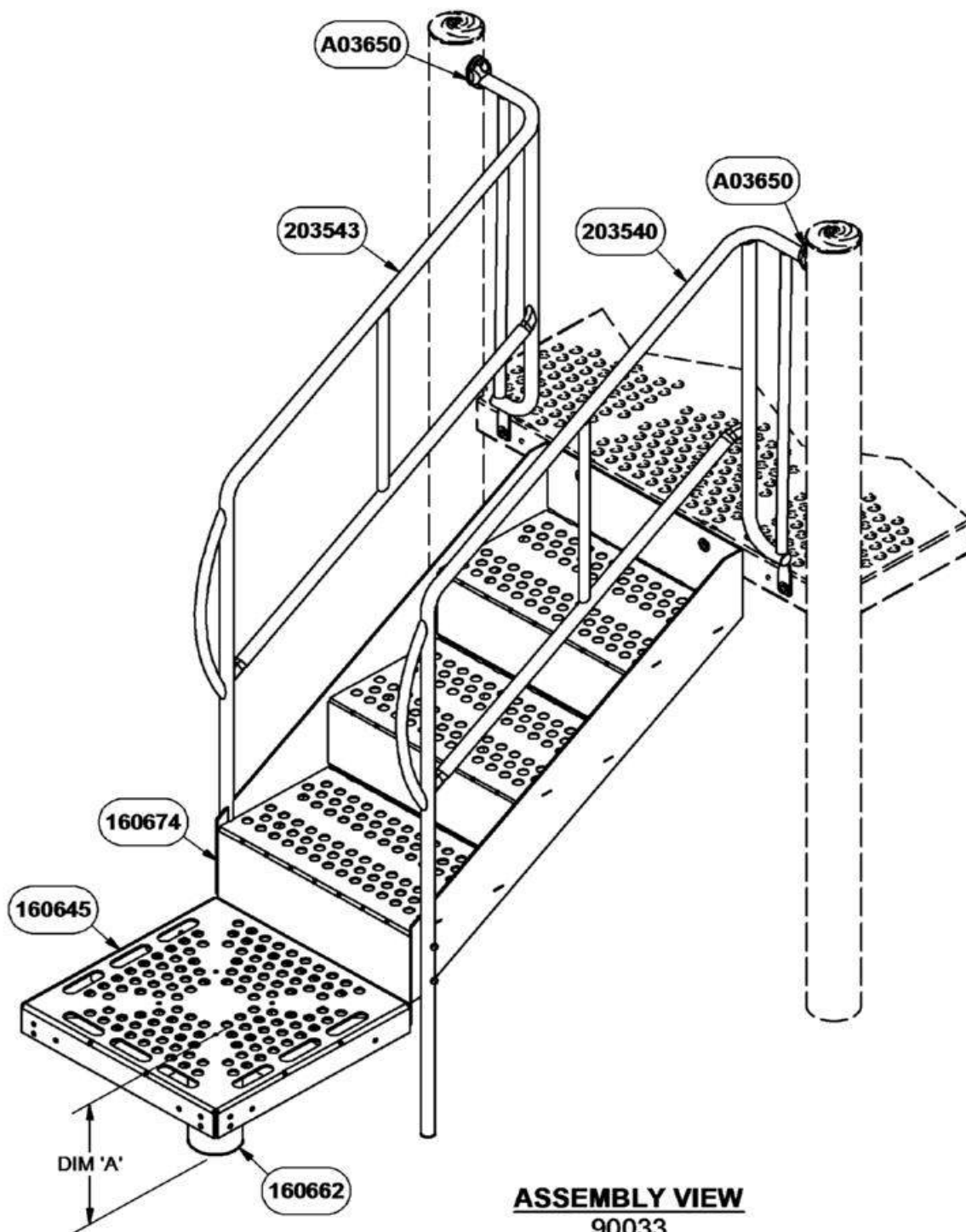
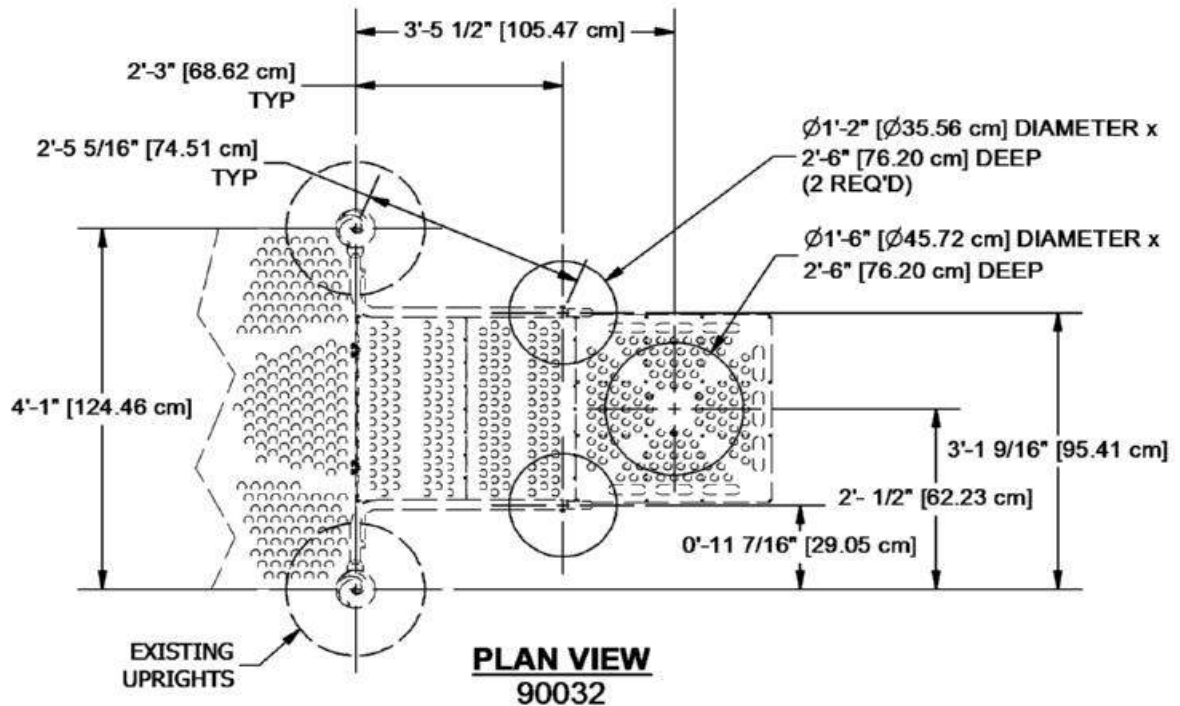
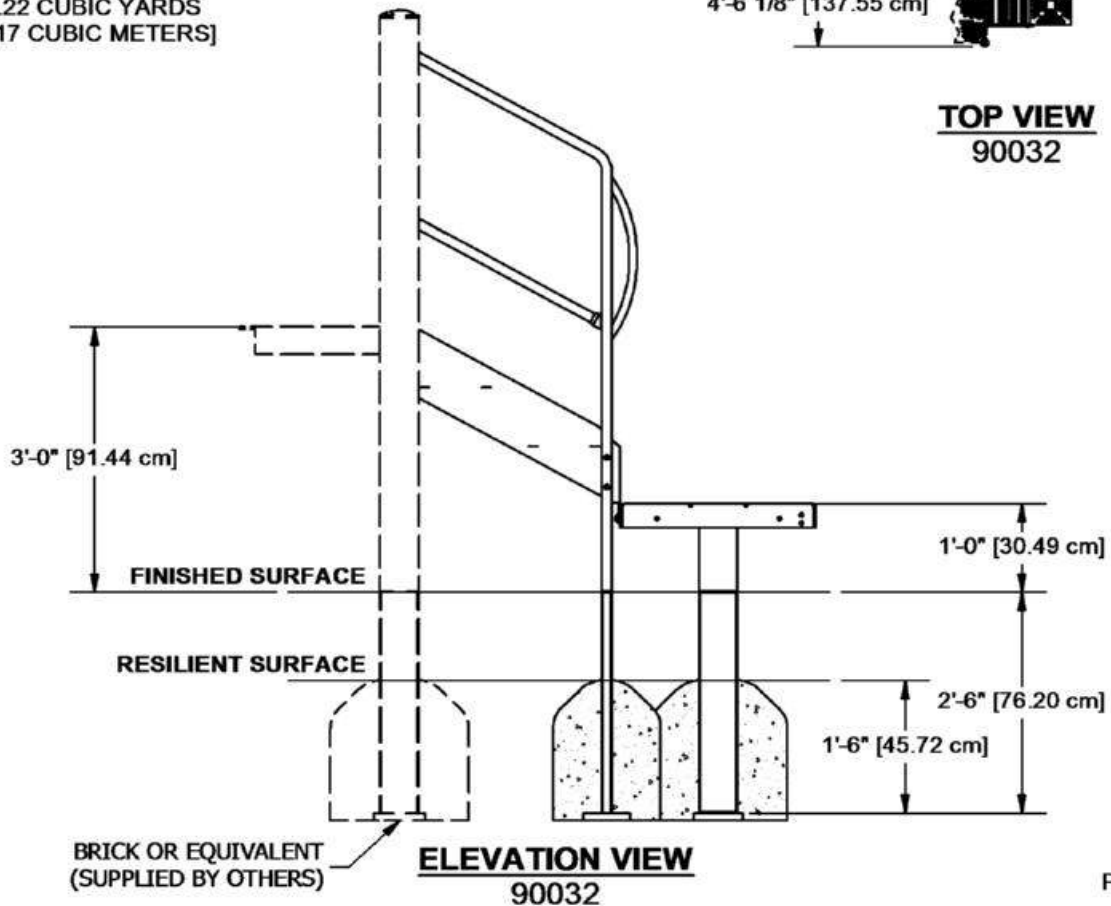
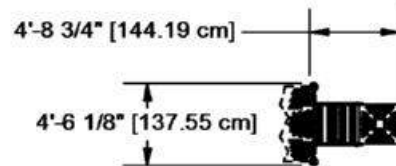


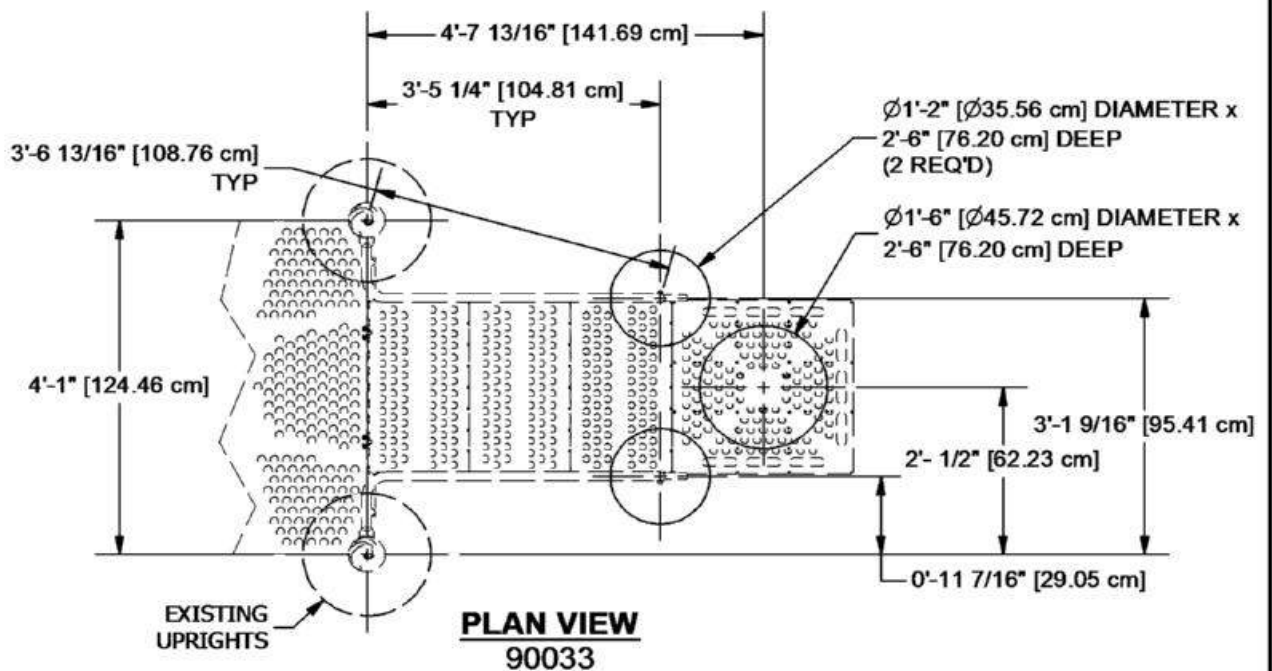
TABLE	
COMPONENT	DIM 'A'
90032	1'-0" [30.48 cm]
90033	1'-4" [40.64 cm]



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

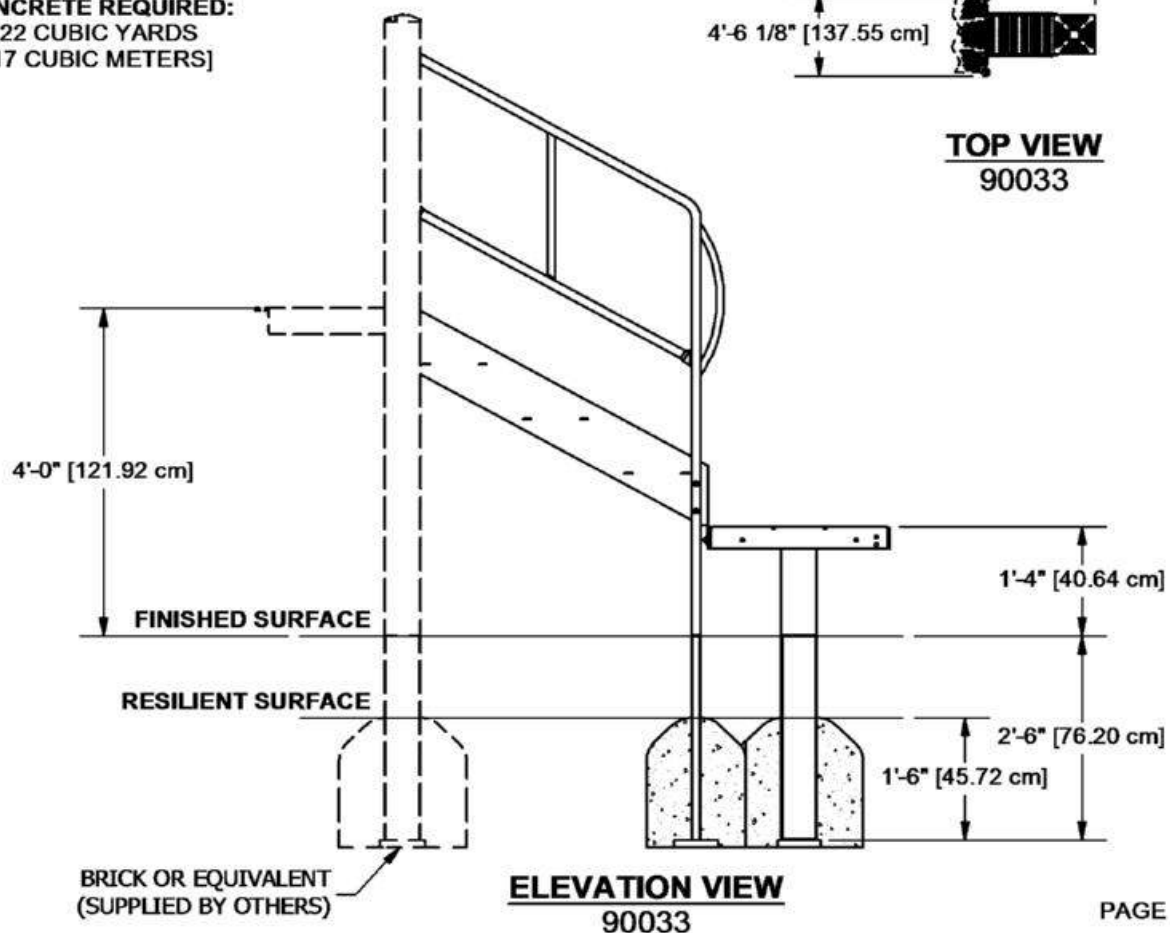
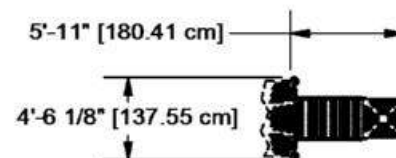
CONCRETE REQUIRED:
22 CUBIC YARDS
[.17 CUBIC METERS]

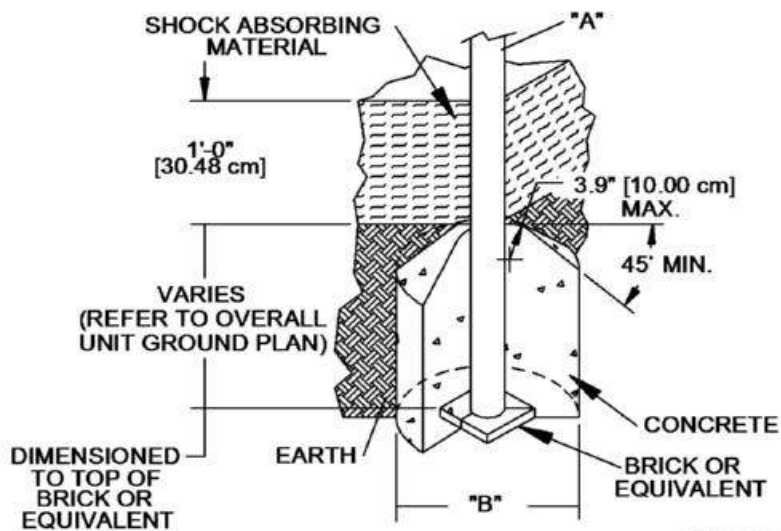




NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 .22 CUBIC YARDS
 [.17 CUBIC METERS]





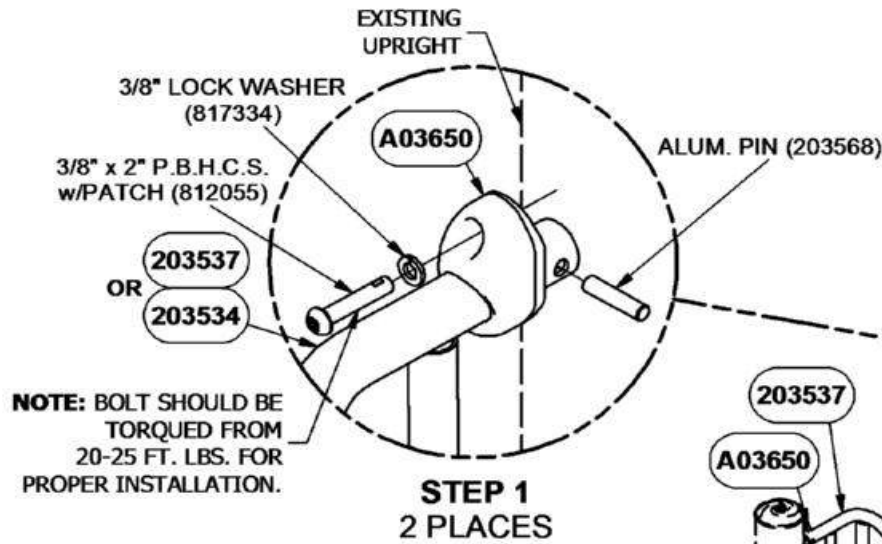
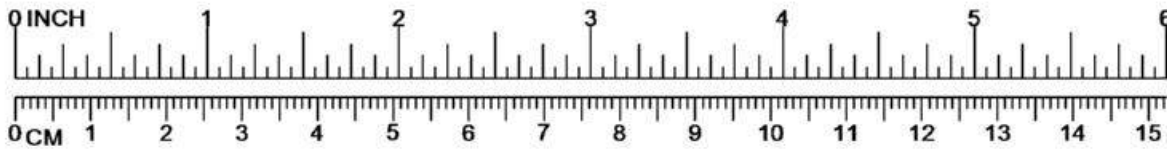
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

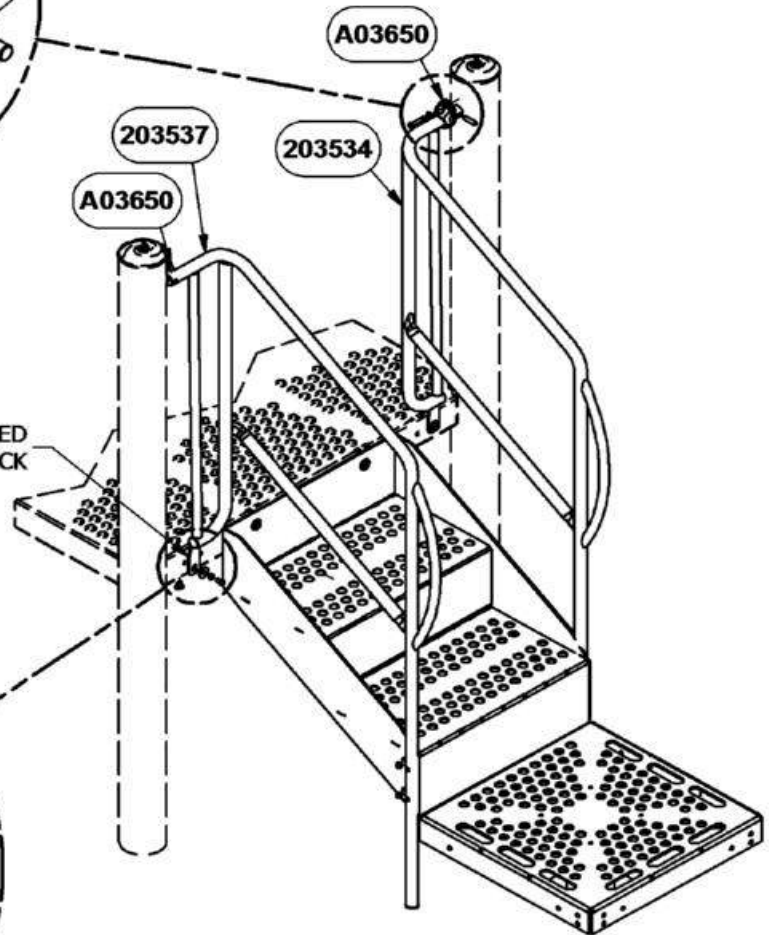
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

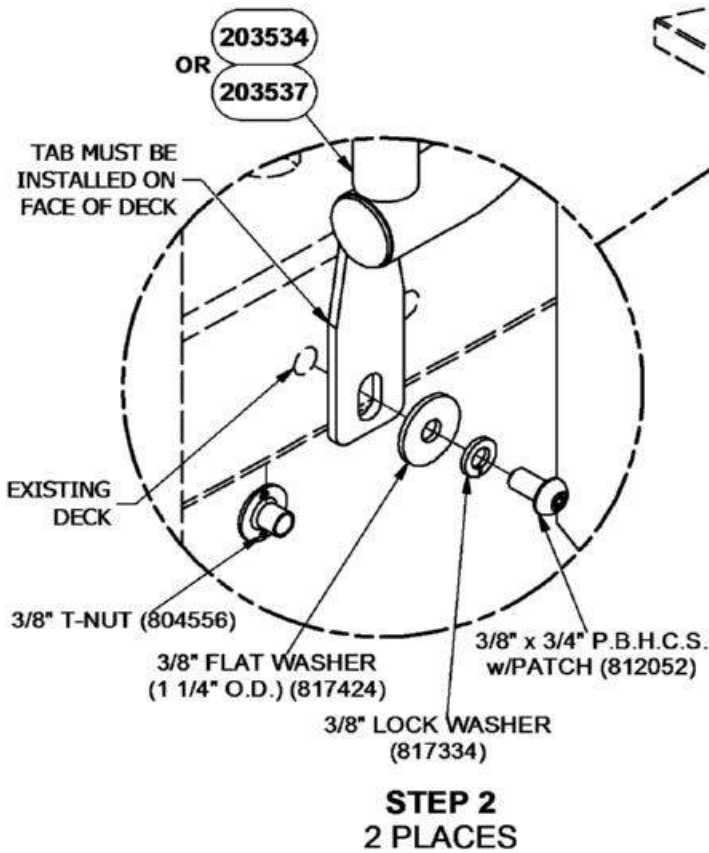
FOOTING DETAIL



NOTE: BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.



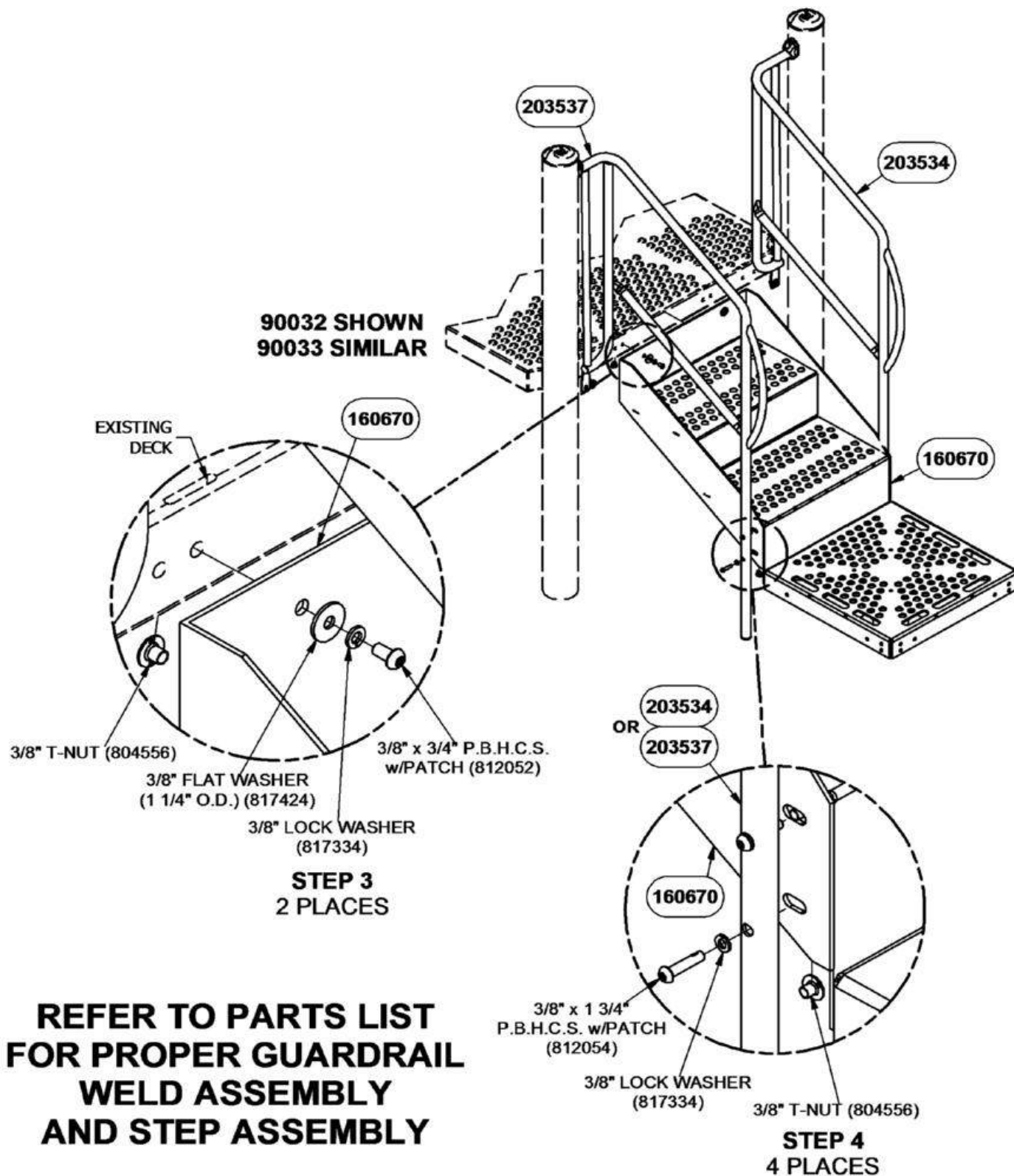
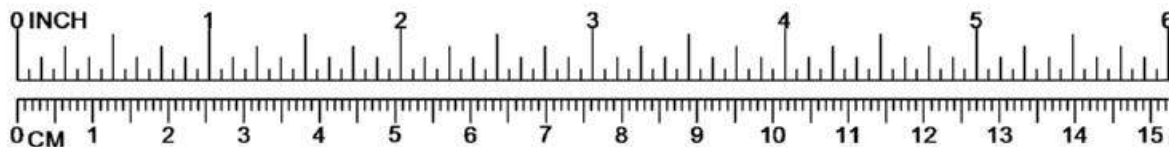
90032 SHOWN
90033 SIMILAR

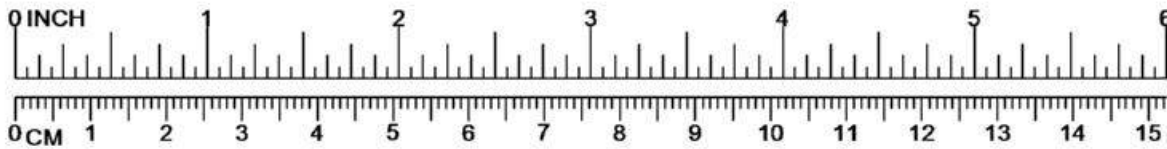


REFER TO PARTS LIST FOR PROPER GUARDRAIL WELD ASSEMBLY AND STEP ASSEMBLY

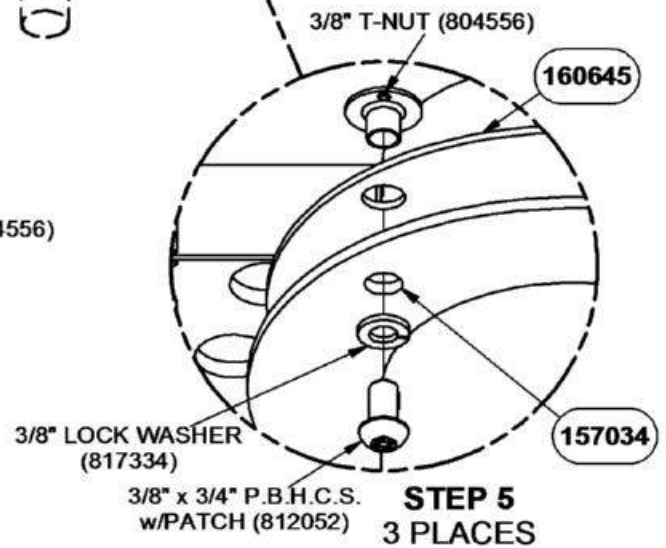
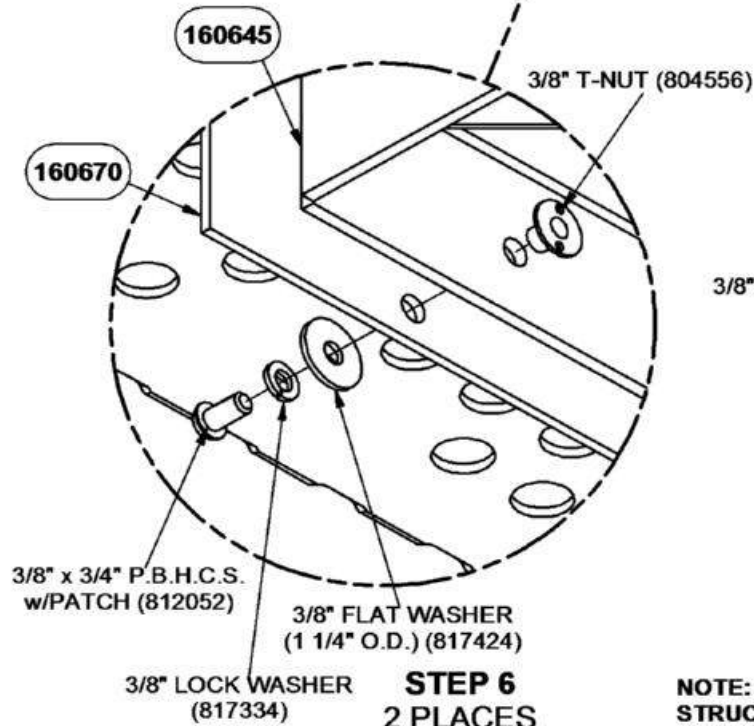
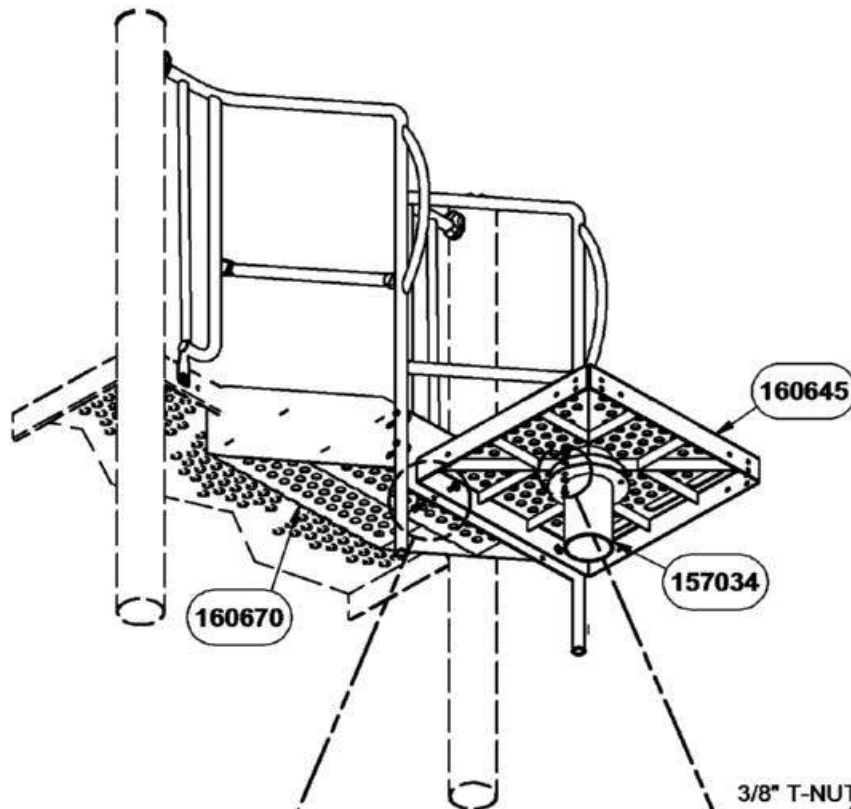
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW





**90032 SHOWN
90033 SIMILAR**



**REFER TO PARTS LIST
FOR PROPER UPRIGHT
AND STEP ASSEMBLY**

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

Parts List			
DESCRIPTION	90032	90033	PART NUMBER
RIGHT GUARDRAIL WELD ASSEMBLY	1	0	203534
RIGHT GUARDRAIL WELD ASSEMBLY	0	1	203540
LEFT GUARDRAIL WELD ASSEMBLY	1	0	203537
LEFT GUARDRAIL WELD ASSEMBLY	0	1	203543
STEP ASS'Y	1	0	160670
STEP ASS'Y	0	1	160674
COATED PLATFORM	1	1	160645
UPRIGHT ASS'Y	1	0	157034
UPRIGHT ASS'Y	0	1	160662
TRU-LOC	2	2	A03650
HARDWARE COMPLETE	1	1	203565
3/8" x 3/4" P.B.H.C.S. w/PATCH	9	9	812052*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	812054*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	6	6	817424*
3/8" LOCK WASHER	15	15	817334*
3/8" T-NUT	13	13	804556*
ALUM. PIN	2	2	203568*

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* Included in Hardware*

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1-800-235-2440

ISSUED/REVISED: 11/18/2020

90103 SCHOONER CLIMBER



90103
90104
90105
90106

2'-0"	90103
2'-6" & 3'-0"	90104
3'-6" & 4'-0"	90105
4'-6" & 5'-0"	90106
5'-6" & 6'-0"	90107
6'-6" & 7'-0"	90108
7'-6" & 8'-0"	90109

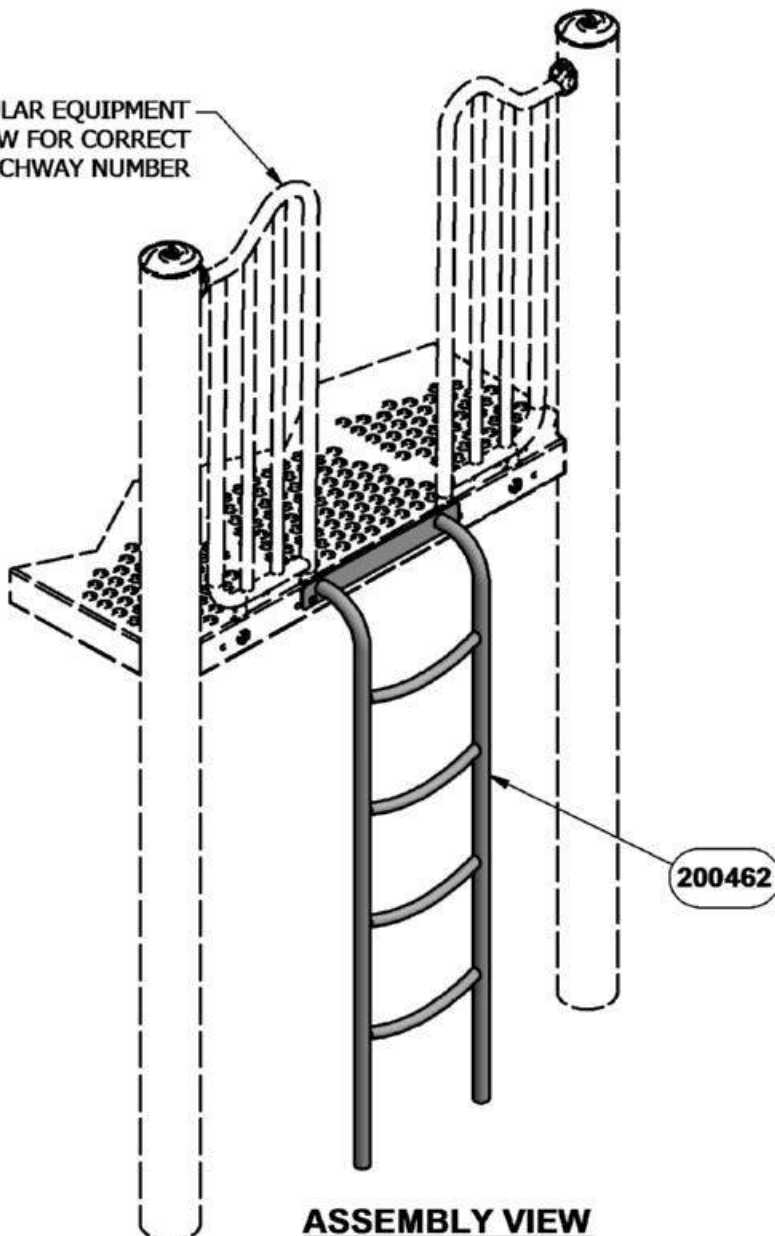


90107
90108
90109

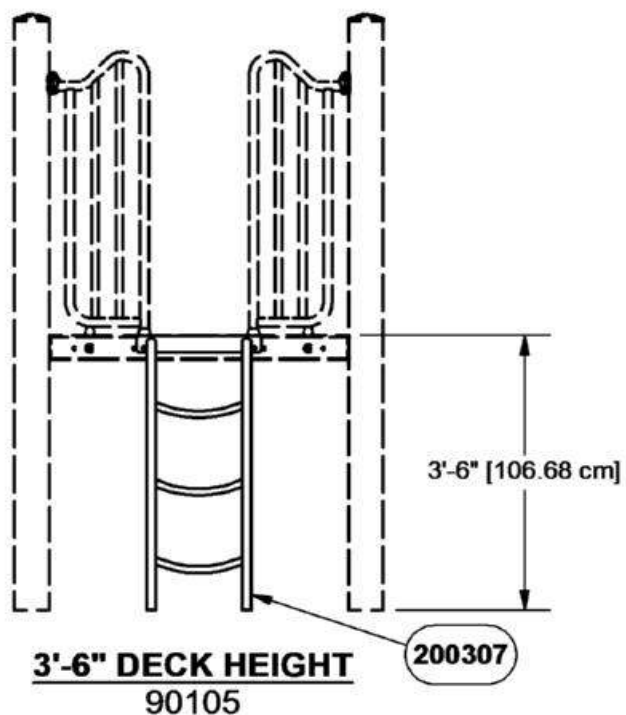
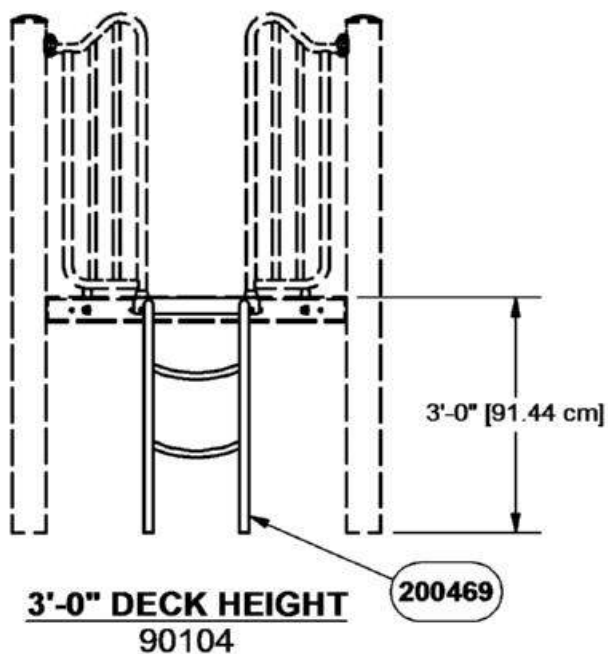
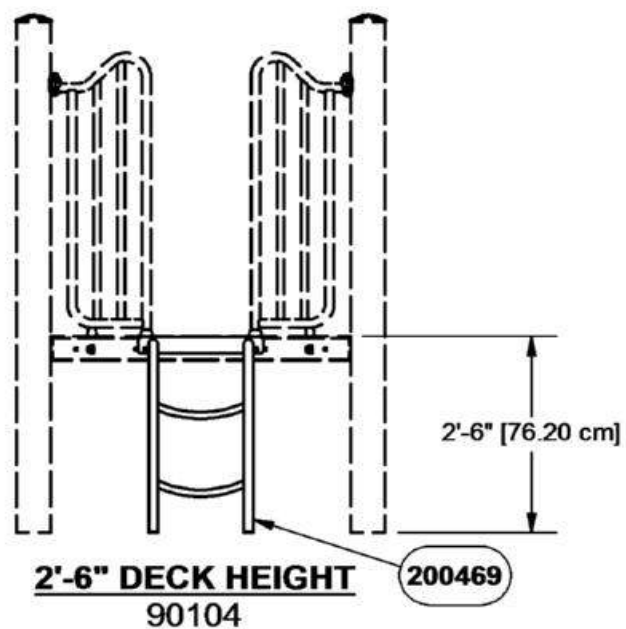
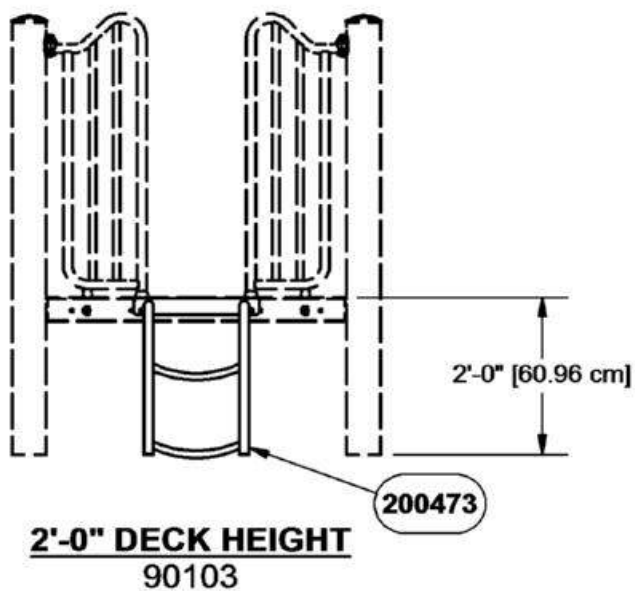
REFER TO MODULAR EQUIPMENT
TOP VIEW FOR CORRECT
ARCHWAY NUMBER

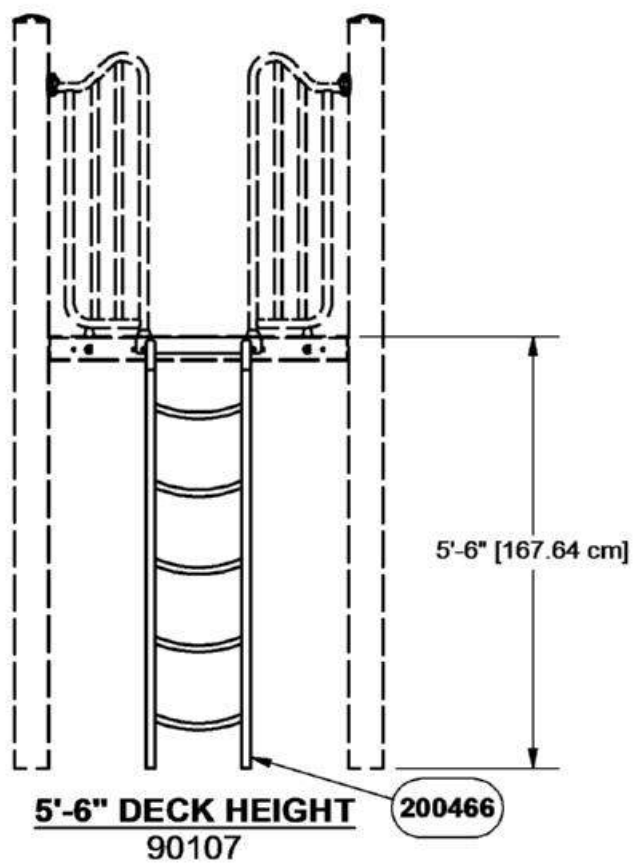
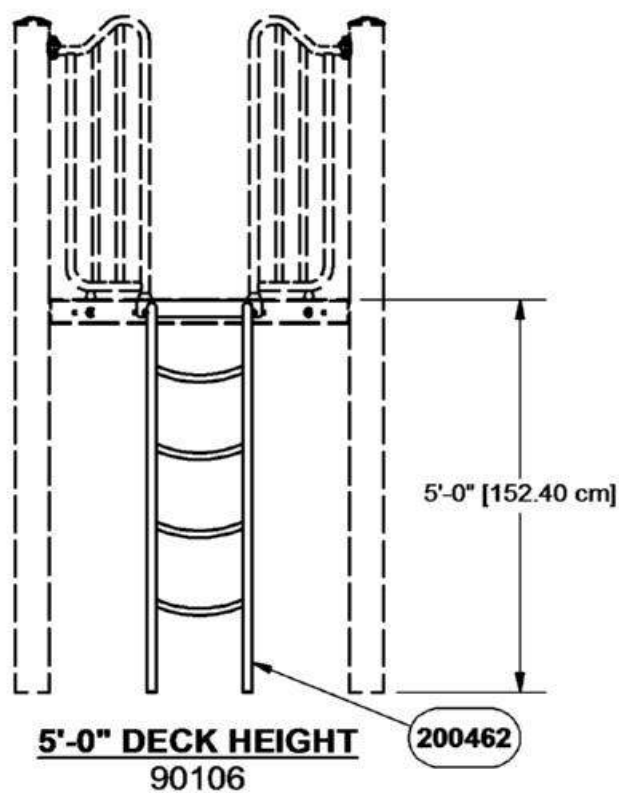
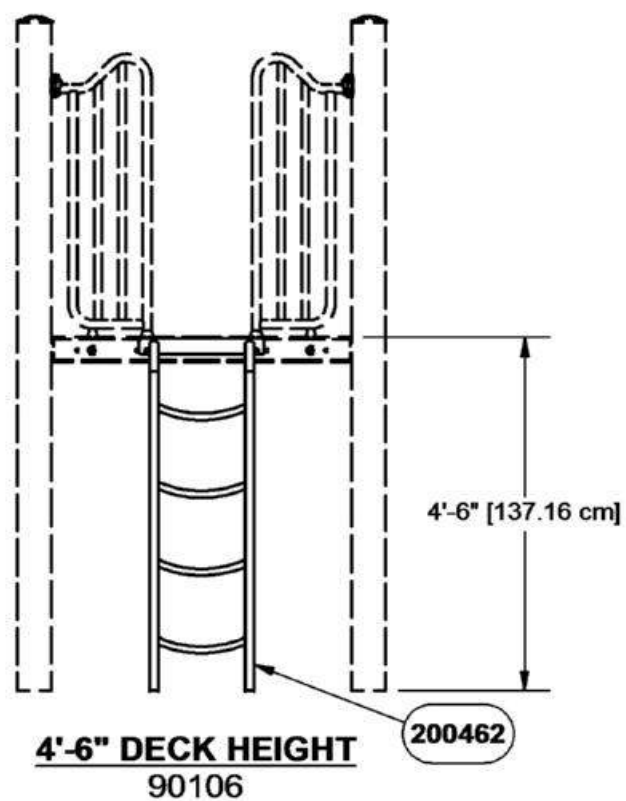
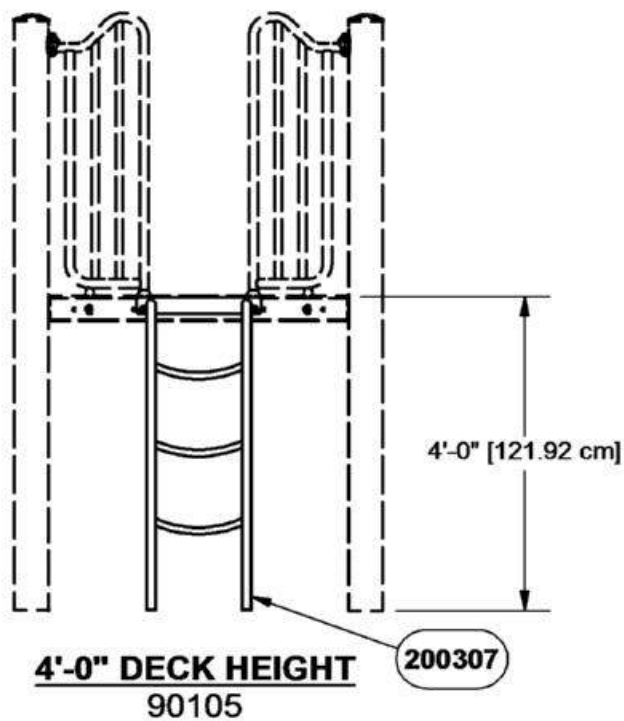
INSTALLATION INSTRUCTIONS

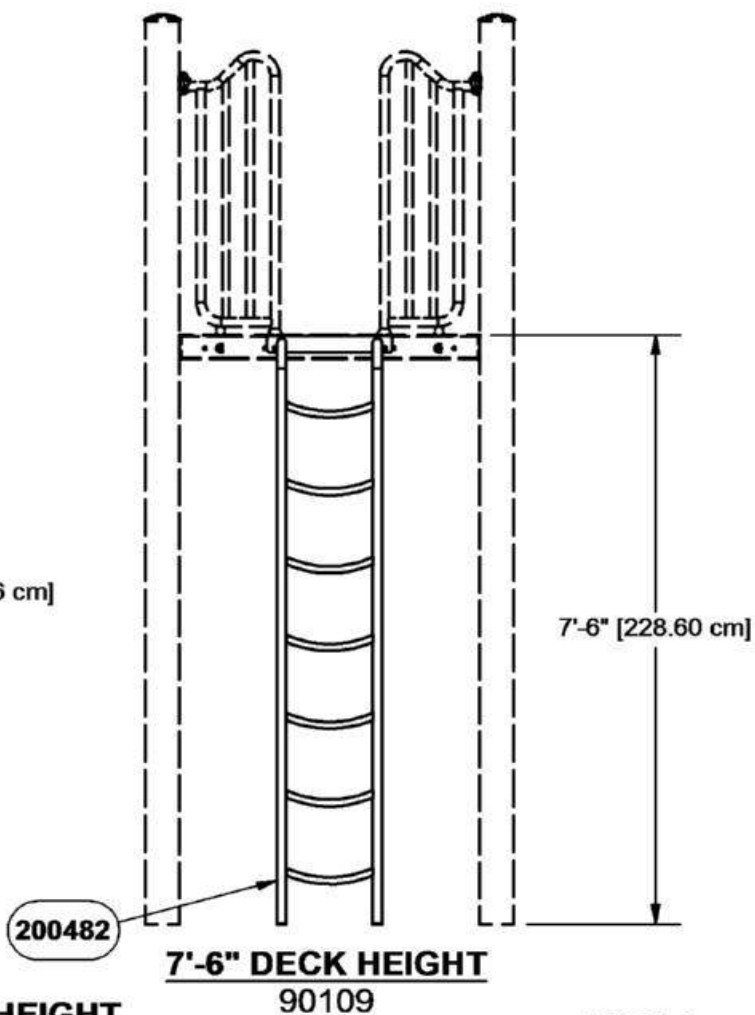
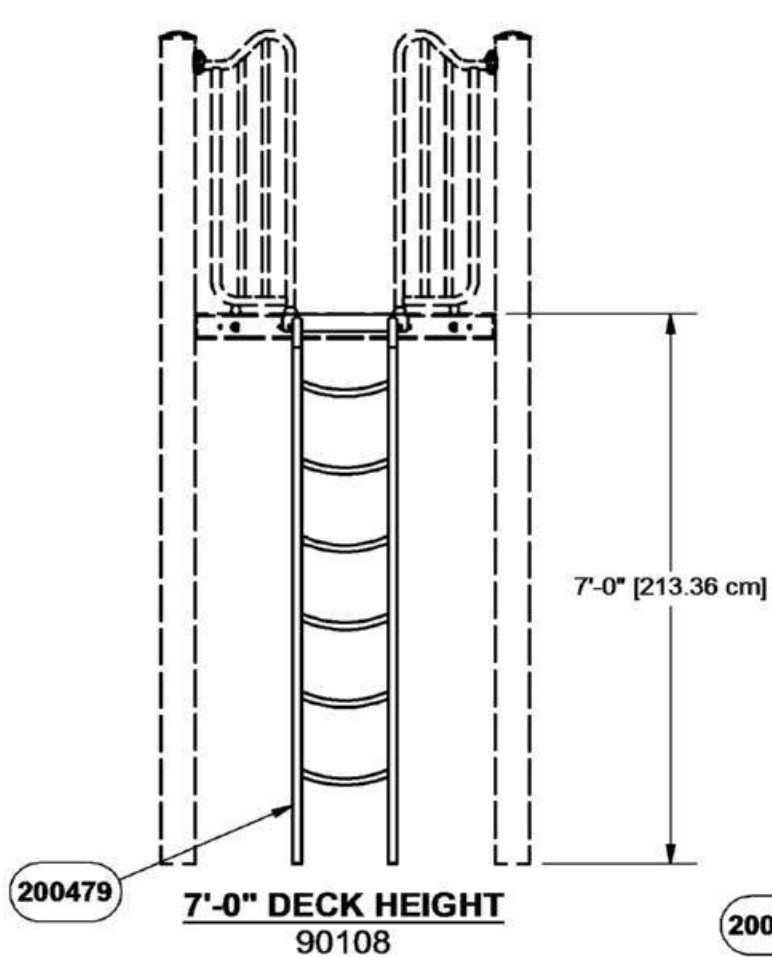
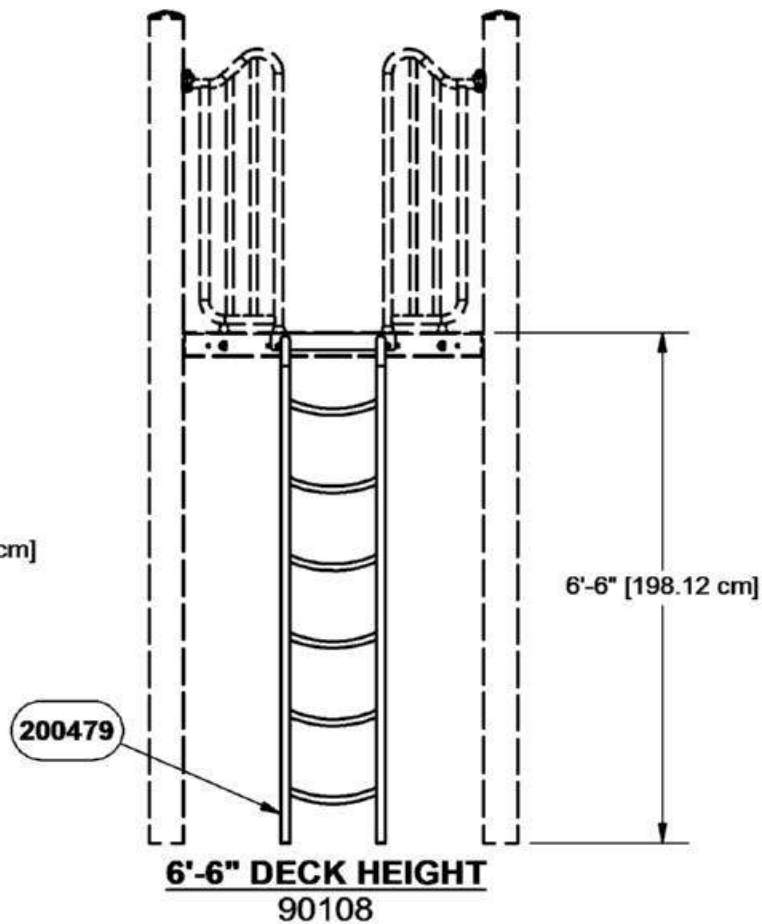
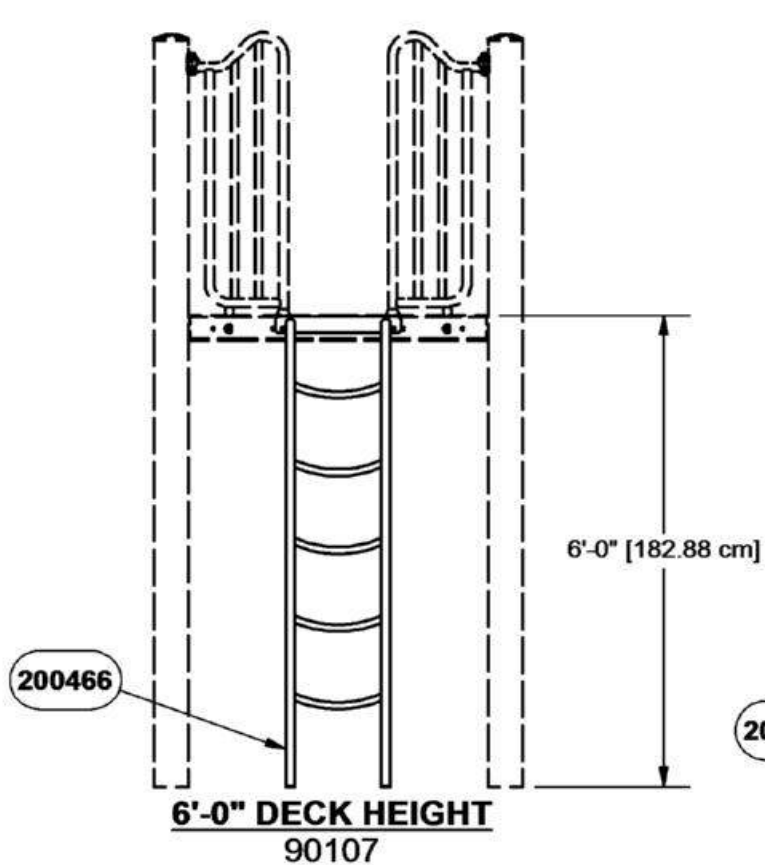
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



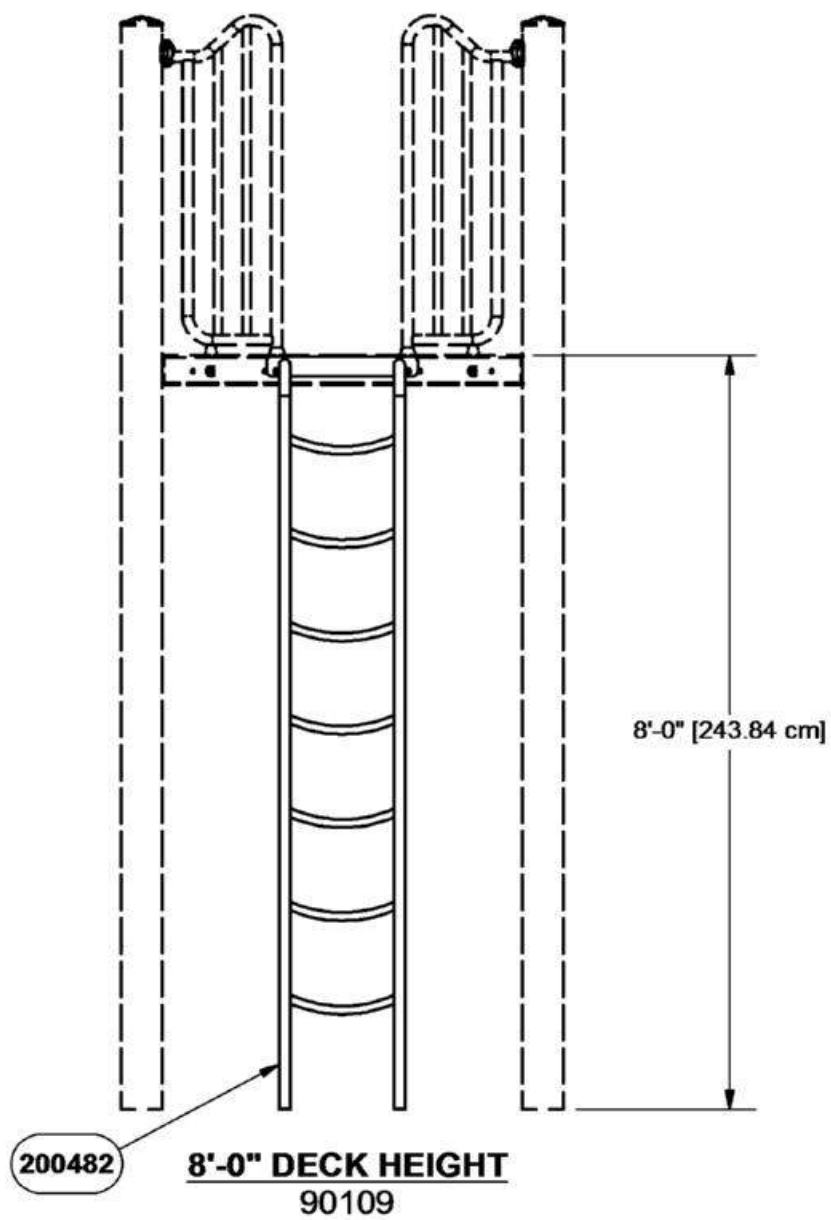
ASSEMBLY VIEW
5'-0" 90106 SHOWN

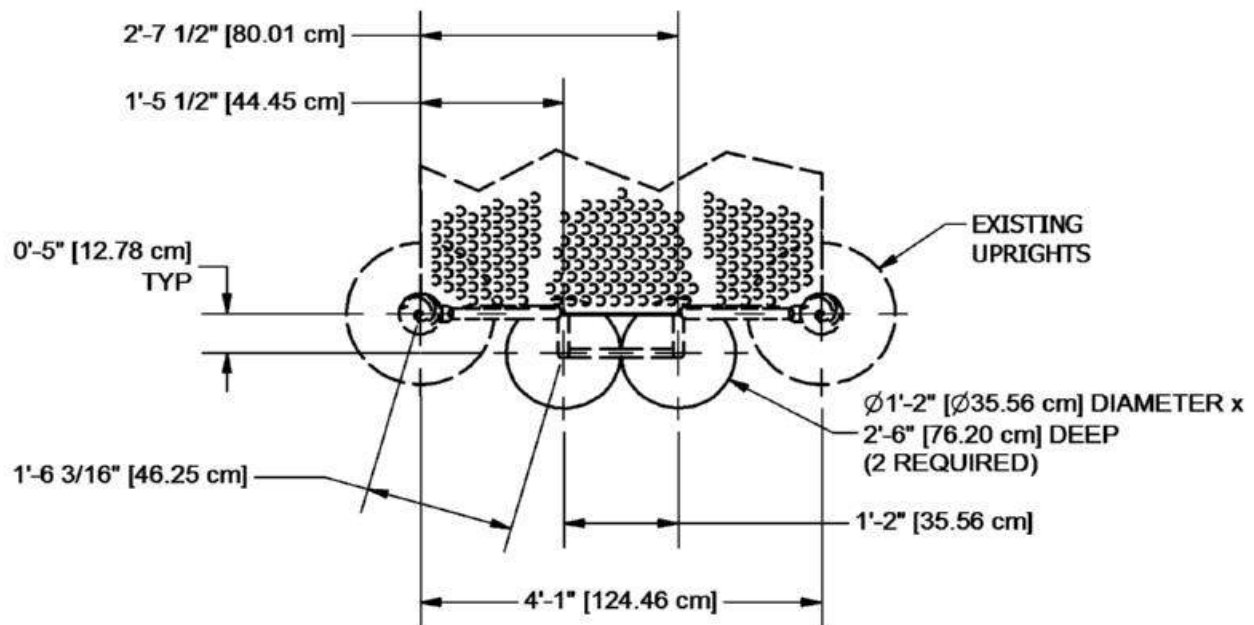






**DECK HEIGHT
ELEVATIONS**

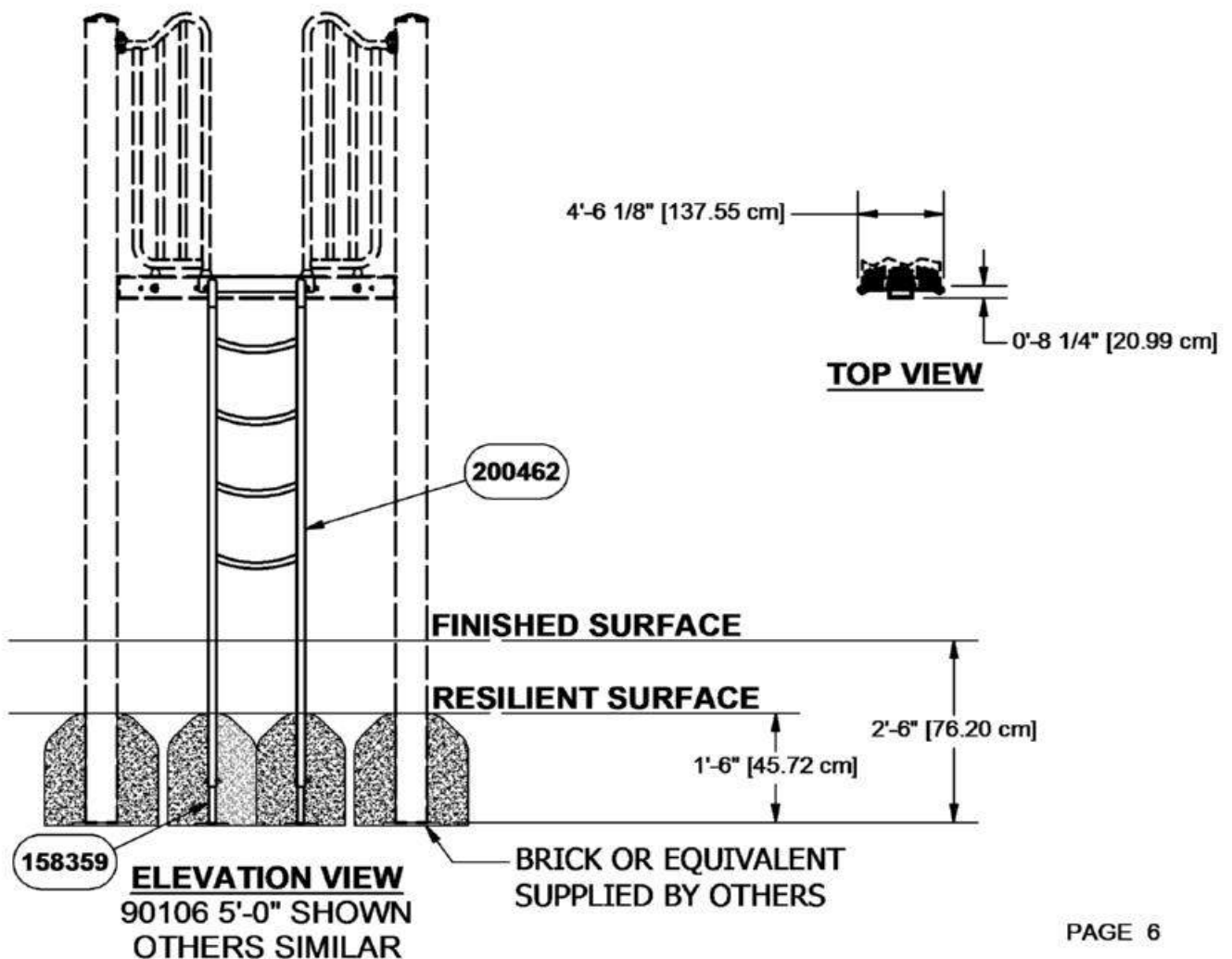


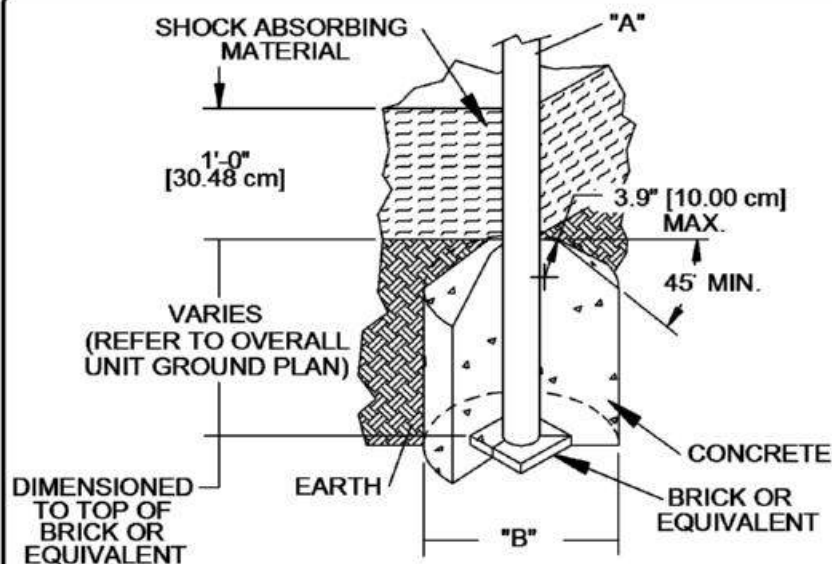


PLAN VIEW

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



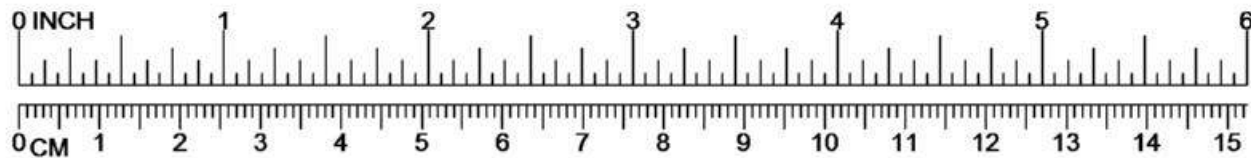


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

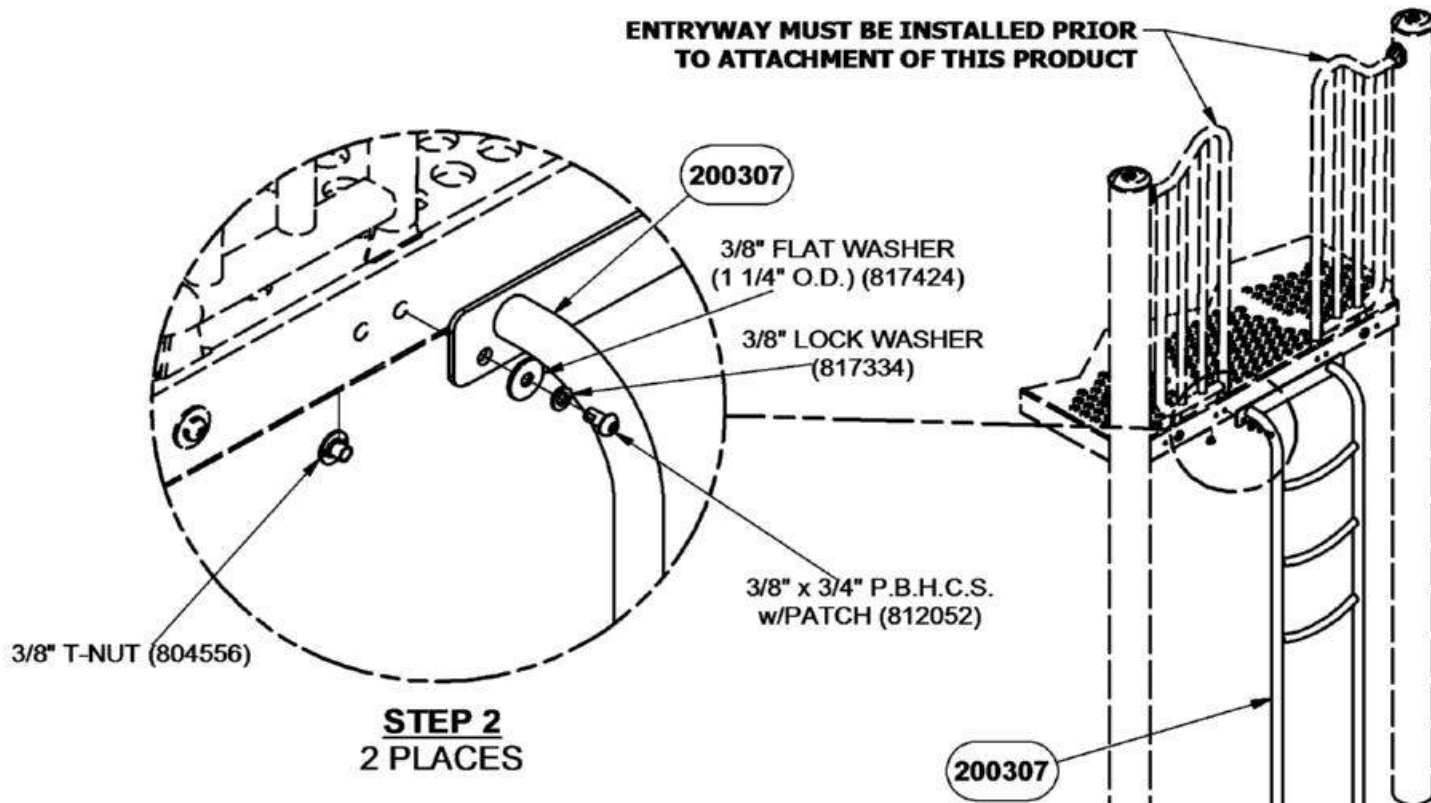
NOTES:
 -SLOPED FOOTING IS A REQUIREMENT
 OF EUROPEAN STANDARD EN1176-1 ONLY
 -SUGGESTED MINIMUM CONCRETE
 RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING
 MATERIALS VARY. IF YOU DETERMINE THAT LESS
 THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
 MAKE UP THE DIFFERENCE IN ELEVATION WITH
 EARTH, BEFORE APPLYING SURFACING.

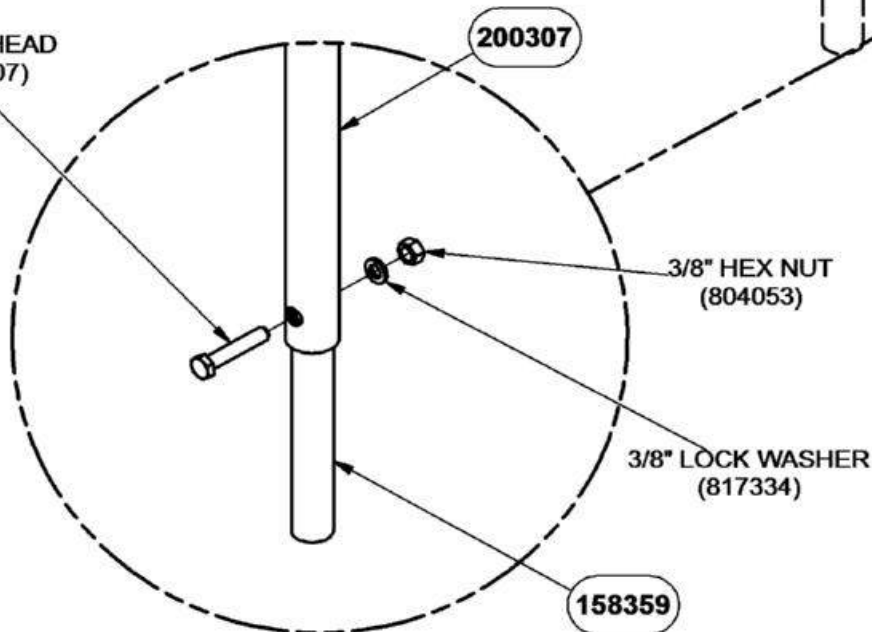
FOOTING DETAIL



**ENTRYWAY MUST BE INSTALLED PRIOR
TO ATTACHMENT OF THIS PRODUCT**



3/8" x 2" HEX HEAD
BOLT (801007)



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

Parts List								
DESCRIPTION	90103	90104	90105	90106	90107	90108	90109	PART NUMBER
SCHOONER CLIMBER WELD ASS'Y	1	0	0	0	0	0	0	200473
SCHOONER CLIMBER WELD ASS'Y	0	1	0	0	0	0	0	200469
SCHOONER CLIMBER WELD ASS'Y	0	0	1	0	0	0	0	200307
SCHOONER CLIMBER WELD ASS'Y	0	0	0	1	0	0	0	200462
SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	1	0	0	200466
SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	1	0	200479
SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	0	1	200482
HARDWARE COMPLETE	1	0	0	0	0	0	0	203664
HARDWARE COMPLETE	0	1	1	1	1	1	1	203665
EXTENSION	0	2	2	2	2	2	2	158359*
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812052*
3/8" x 2" HEX HEAD BOLT	0	2	2	2	2	2	2	801007*
3/8" LOCK WASHER	2	4	4	4	4	4	4	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	2	817424*
3/8" HEX-NUT	0	2	2	2	2	2	2	804053*
3/8" T-NUT	2	2	2	2	2	2	2	804556*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 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.

PowerScape®

GameTime®



A PLAYCORE Company

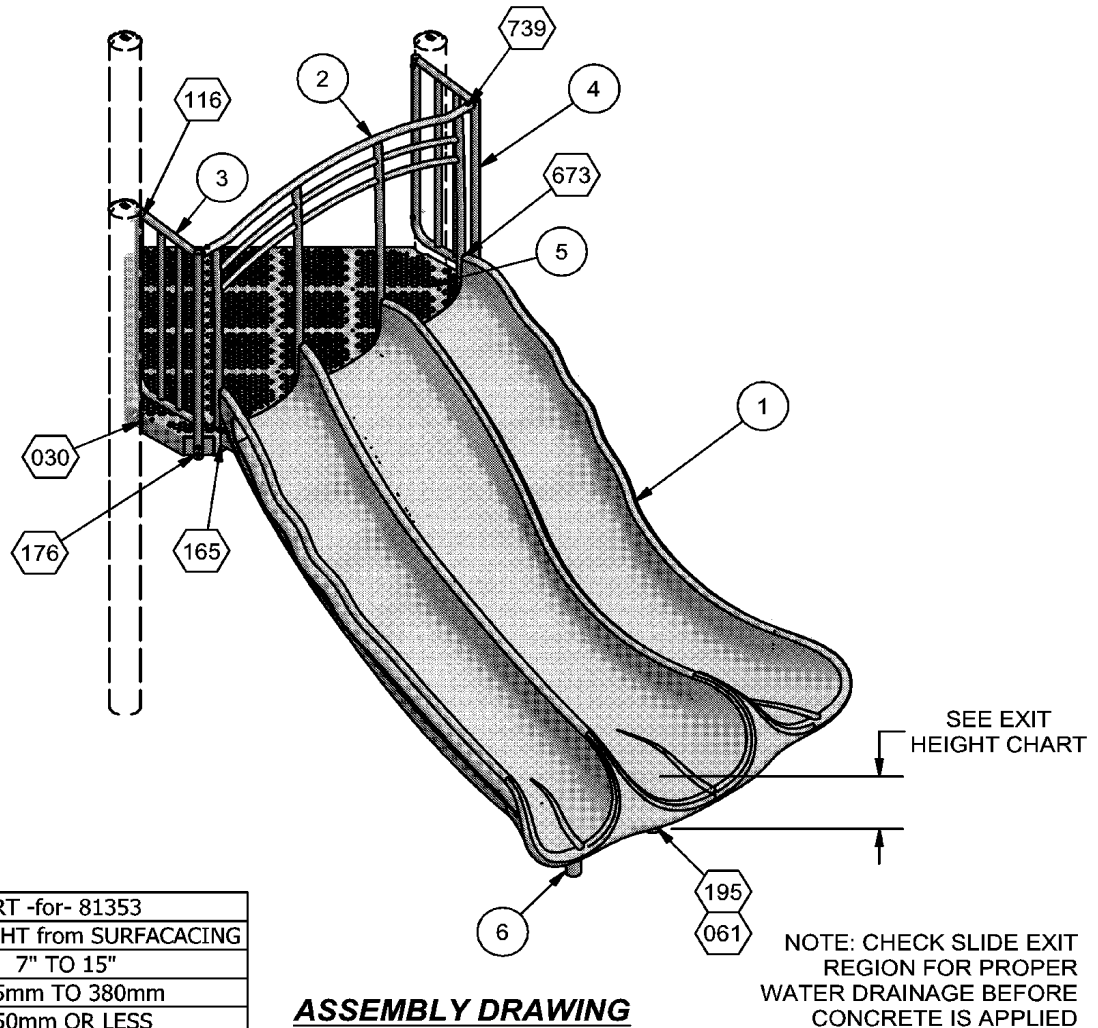
1-800-235-2440

ISSUED/REVISED: 09/05/12

90157

TRIPLE SLIDE

 = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE

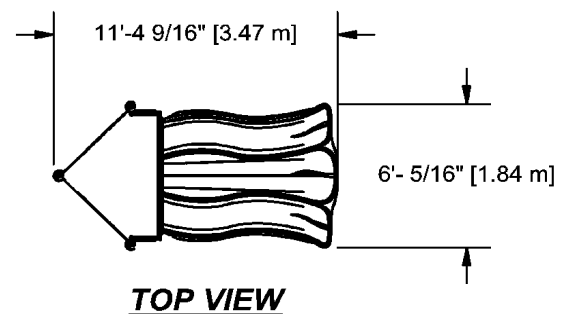


ASSEMBLY DRAWING

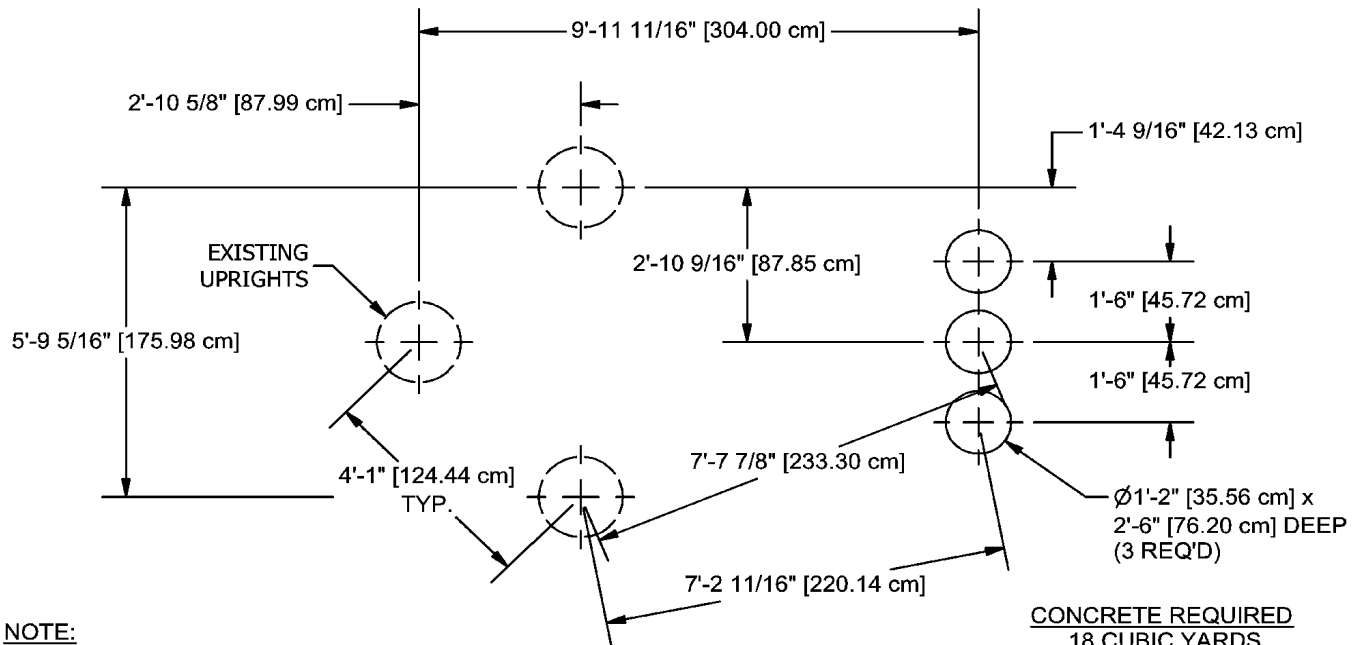
EXIT HEIGHT CHART -for- 81353	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TRIPLE SLIDE	1	311532
2	ARCH ENCLOSURE WELD ASS'Y	1	205238
3	CROSSBAR SUPPORT RIGHT ASS'Y	1	203555
4	CROSSBAR SUPPORT LEFT ASS'Y	1	203552
5	DIAMOND DECK	1	163360
6	FOOTBUCK	3	203457
	HARDWARE COMPLETE	1	203470
	3/8" x 3/4" P.B.H.C.S. w/PATCH	6	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/ PATCH	6	812053*
	3/8" x 1 1/2" P.B.H.C.S.	6	810053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	4	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	3	801013*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	12	817424*
	3/8" LOCKWASHER	35	817334*
	3/8" HEX NUT	3	804053*
	3/8" T-NUT	6	804556*
	6" EXTENSION	3	151080*

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. PAGE 2

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

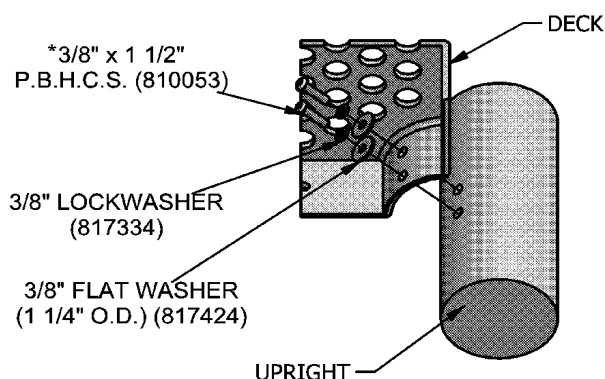
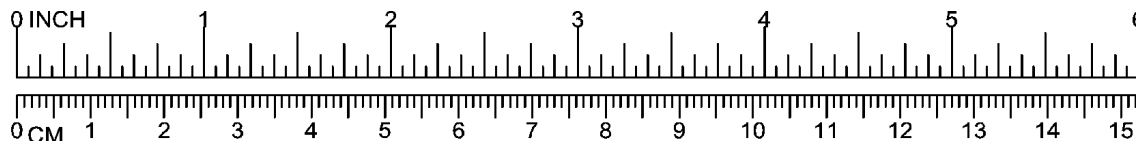
DETAILS -for- 90157

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.

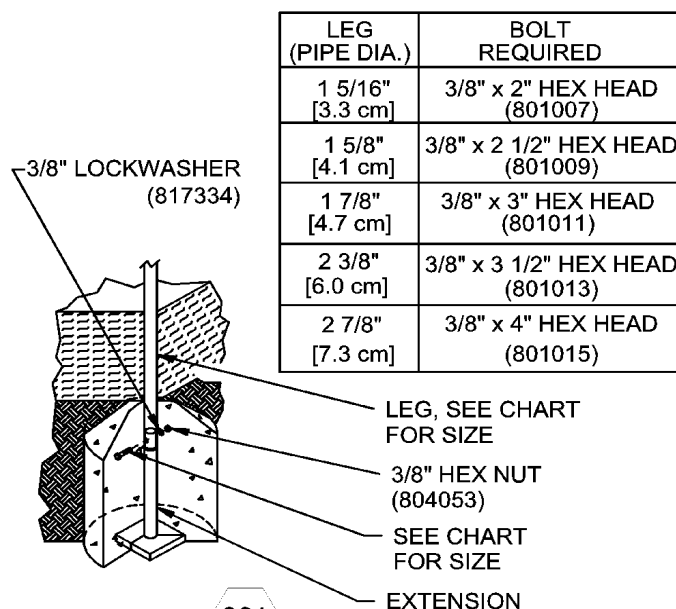
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



*NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

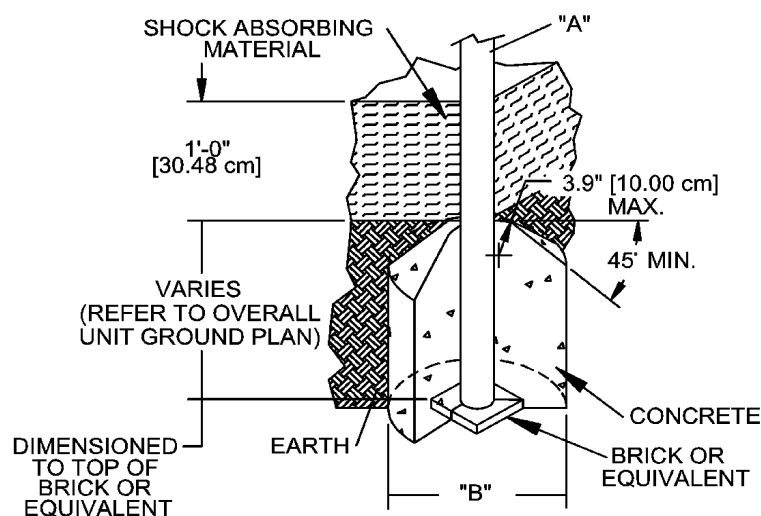
*NOTE:
AFTER ASSEMBLY IS COMPLETED,
PEEN FLATWASHERS TO MATCH
RADIUS OF UPRIGHT.

030



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

061



NOTES:
-SLOPED FOOTING IS A REQUIREMENT
OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING
MATERIALS VARY. IF YOU DETERMINE THAT LESS
THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
MAKE UP THE DIFFERENCE IN ELEVATION WITH
EARTH, BEFORE APPLYING SURFACING.

DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
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5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

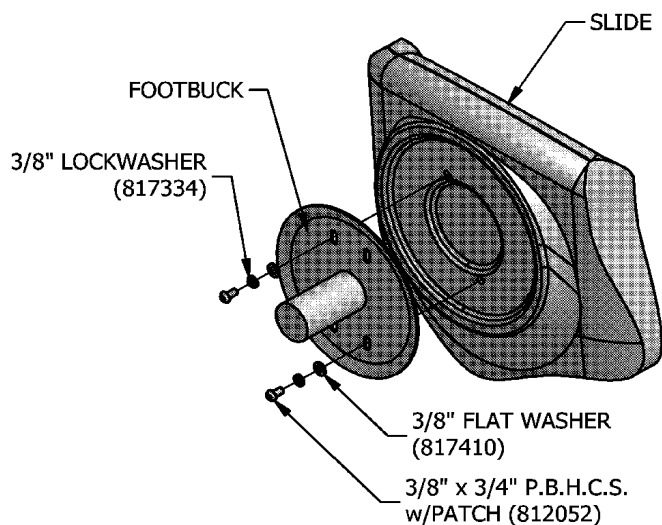
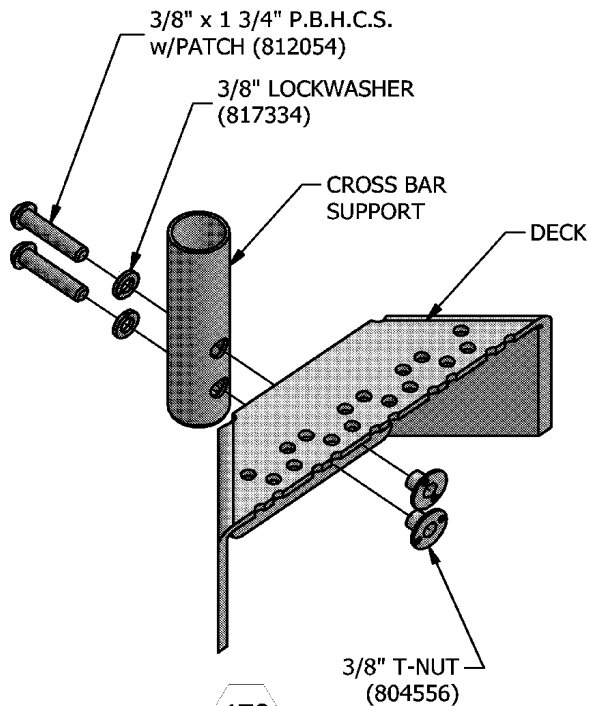
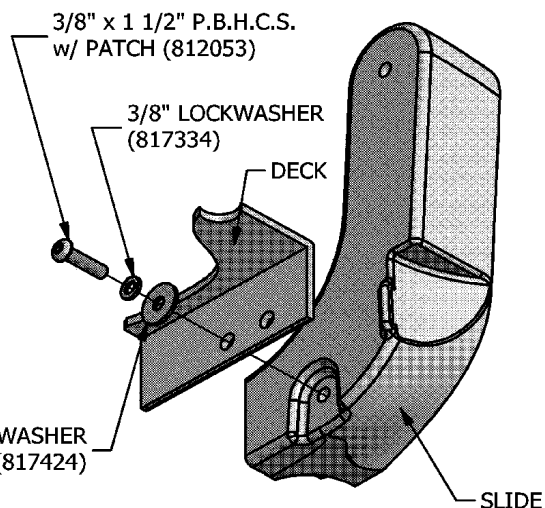
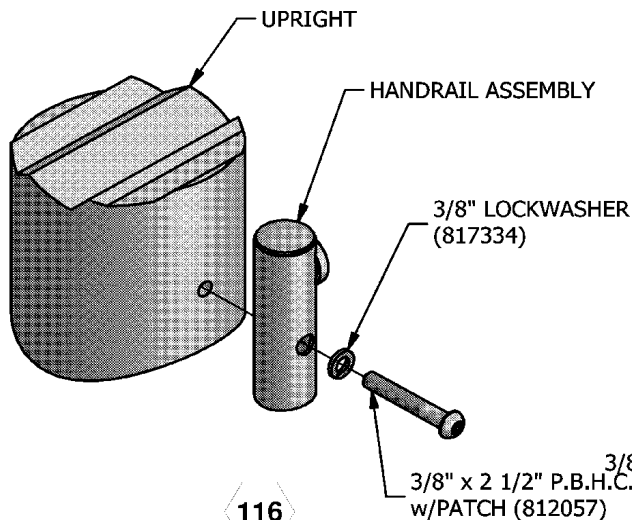
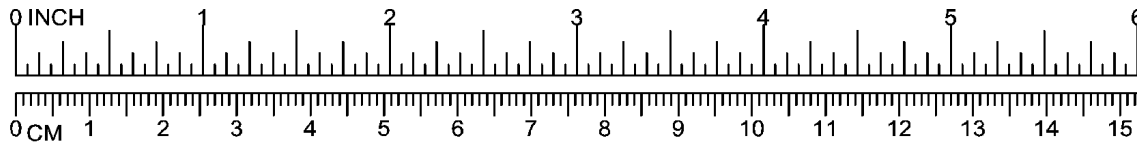
DETAILS -for- 90157

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.



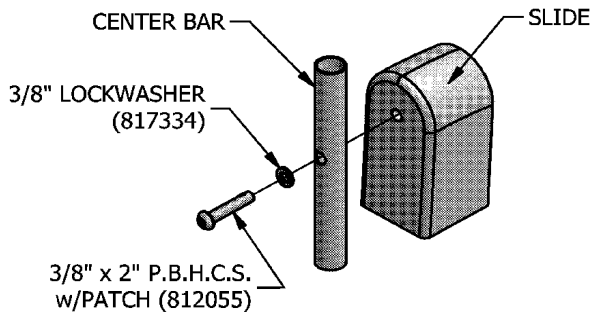
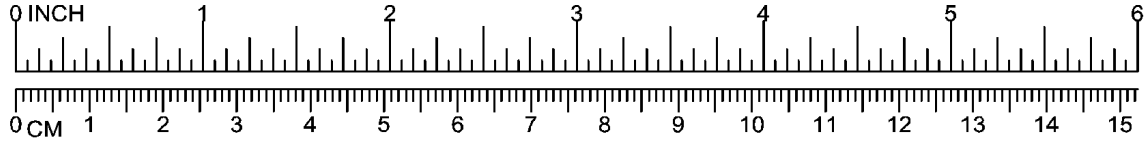
DETAILS -for- 90157

IMPORTANT

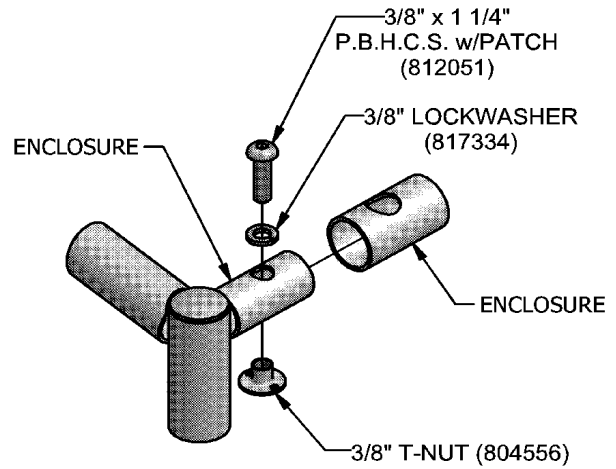
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



673



739

PowerScape

GameTime®

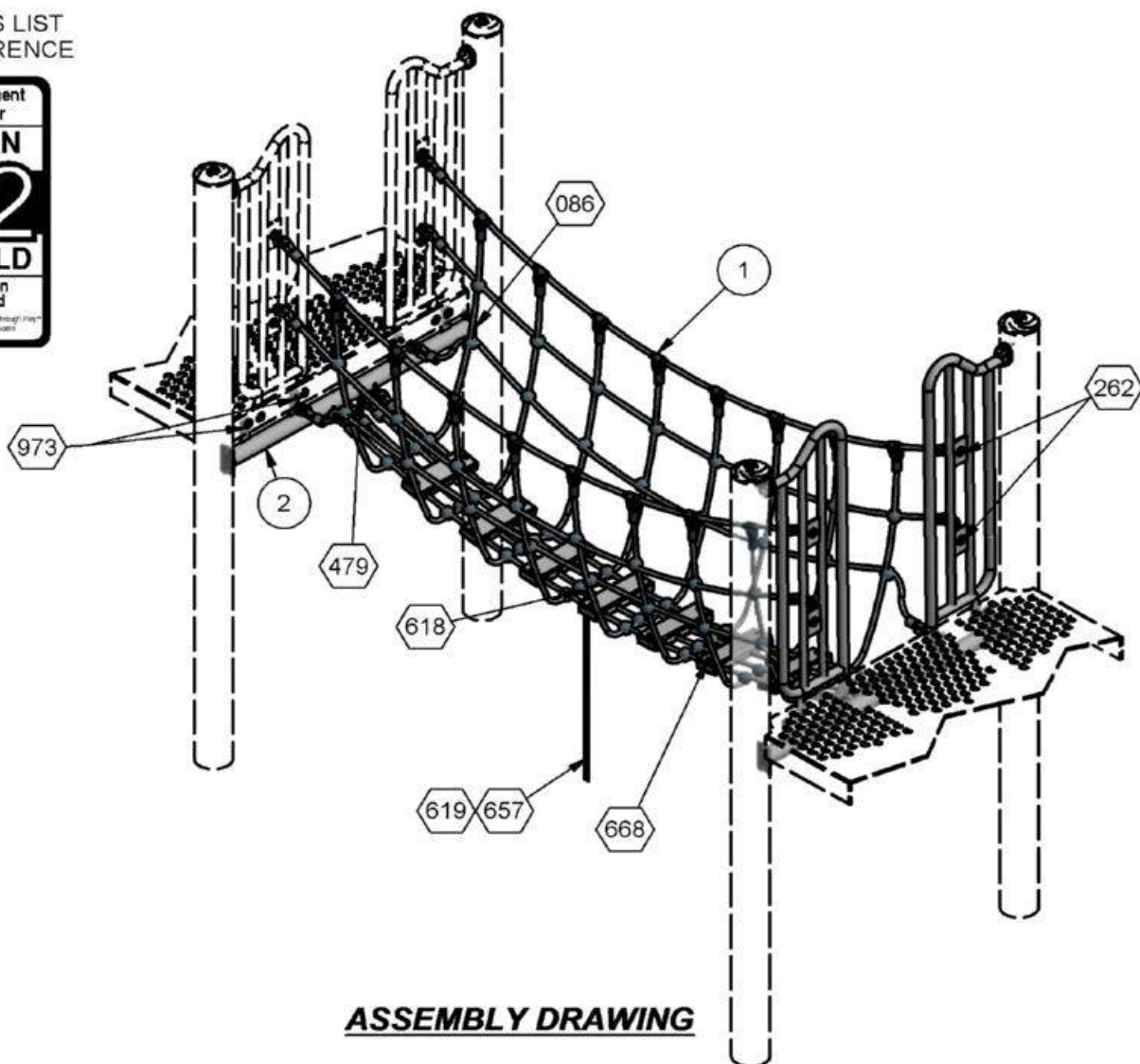
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1-800-235-2440

ISSUED/REVISED: 5/10/23

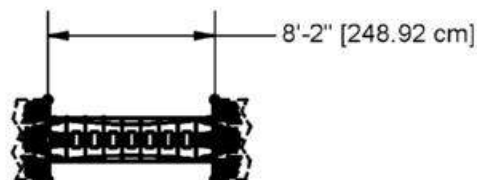
90165 ROPE SPAN CLIMBER

- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE

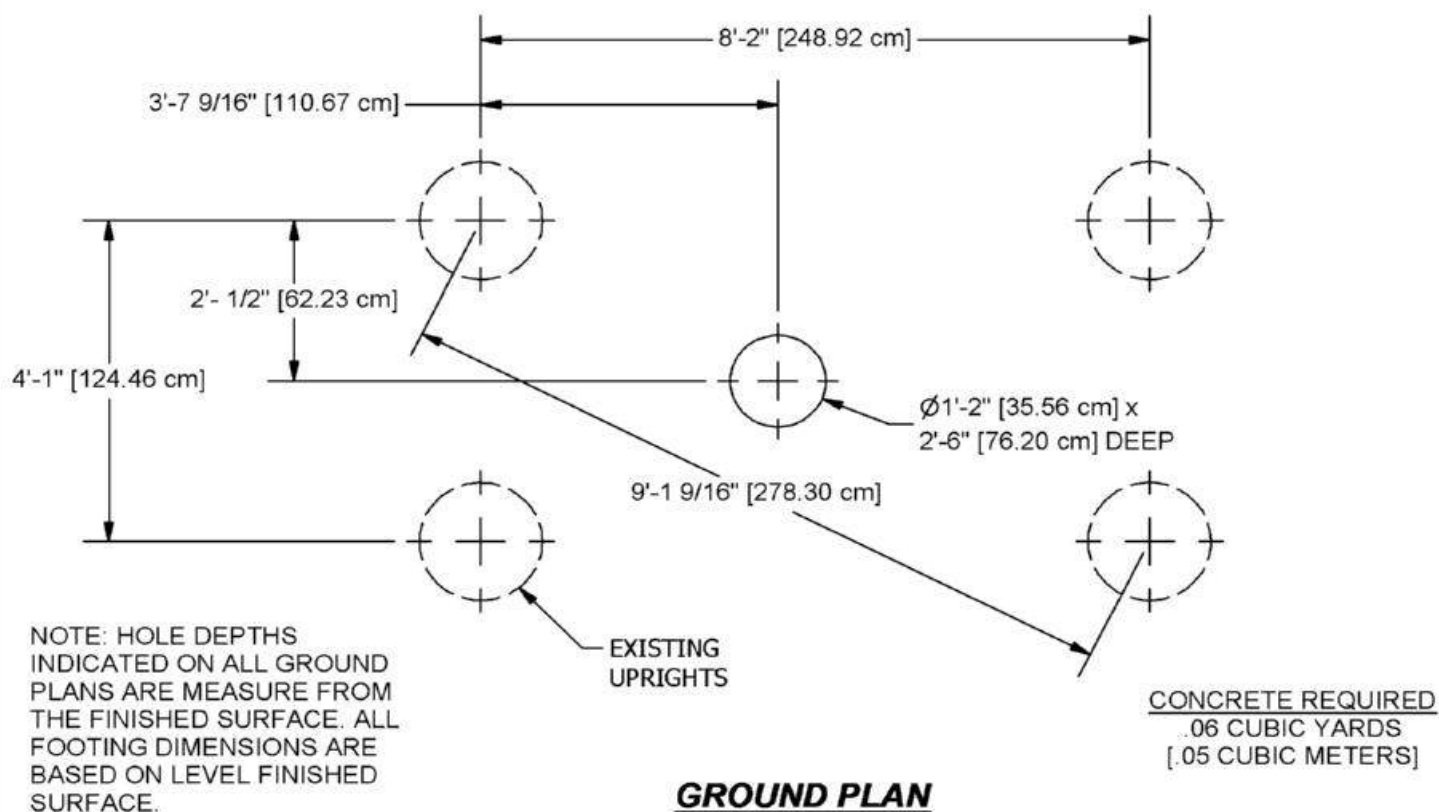


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW



Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	CABLE SWAY LINK	1	312386
2	MOUNTING BAR	2	178363
3	STEP	7	312427
4	STEP PLATE	7	312429
	SMASHED PIPE	1	177724
	HARDWARE COMPLETE	1	222991
	3/8" x 1" P.B.H.C.S. w/PATCH	12	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	12	812051*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	8	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	28	817424*
	3/8" FLAT WASHER	16	817410*
	3/8" LOCK WASHER	46	817334*
	ANCHOR SHACKLE	1	200715*
	5/16" STRAIGHT D SHACKLE	1	207135*
	CHAIN	1	311789*
	3/8" T-NUT	14	804556*
	#8 x 1 1/4" HEX WASHER HEAD SCREW	14	809406*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	14	812053*
	3/8" HEX NUT	4	804053*

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

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

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

Note: Loctite (supplied by others) should be used on any non-patch hardware. PAGE 2

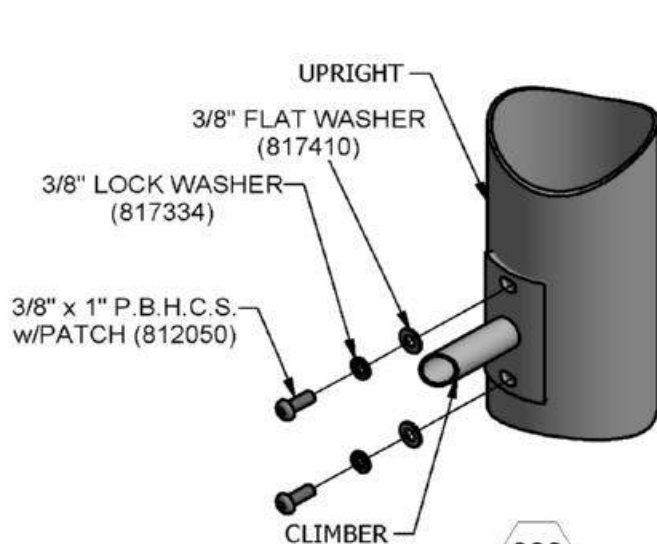
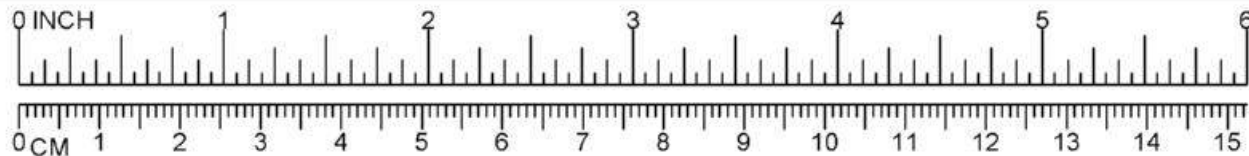
DETAILS -for- 90165

IMPORTANT

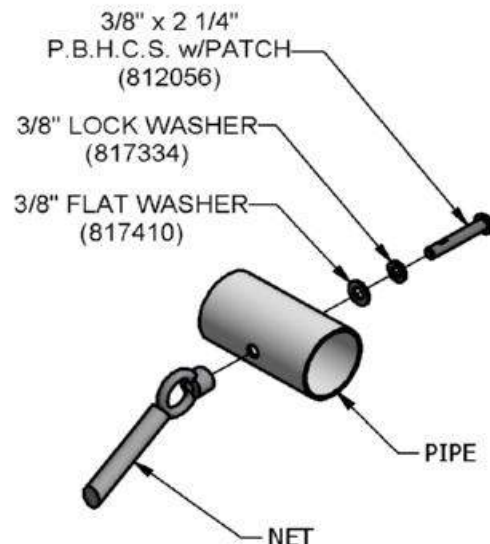
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

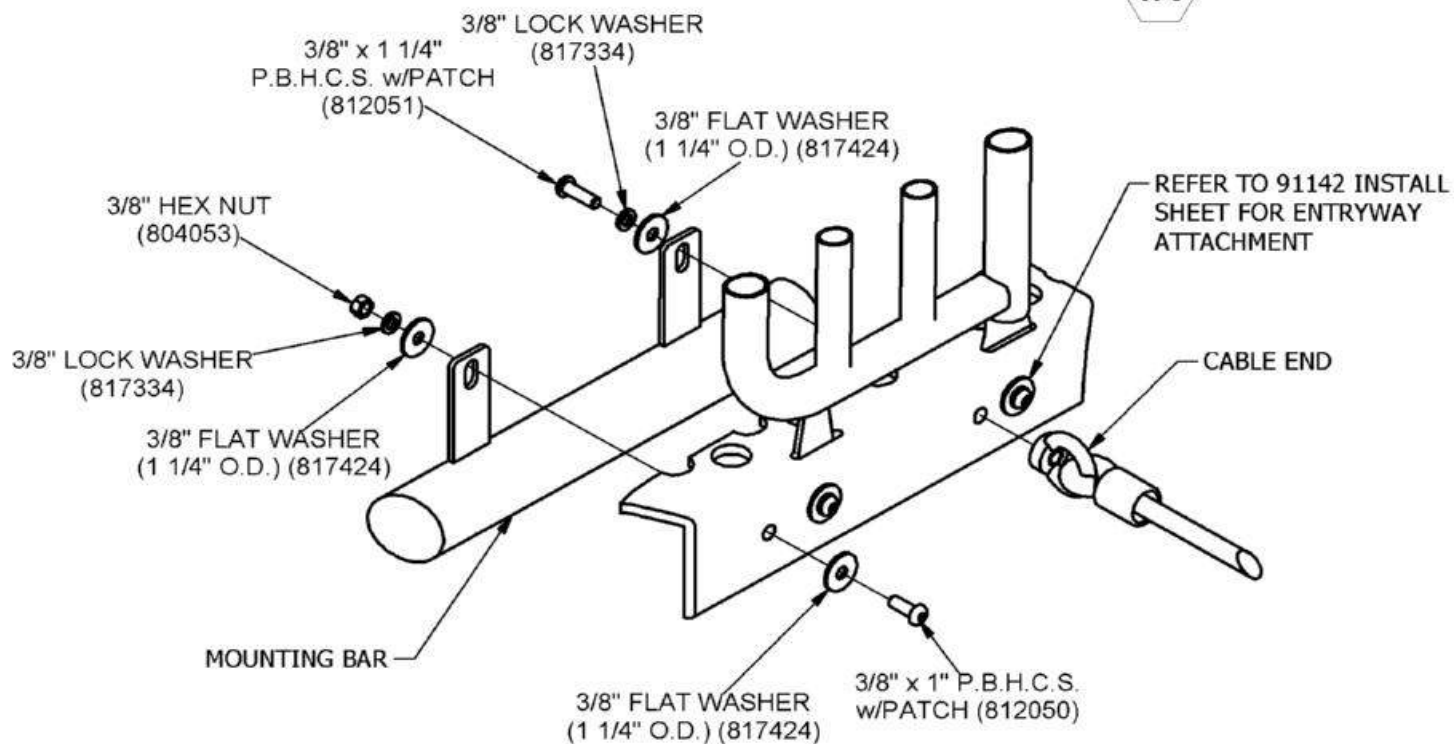
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



086



479



973

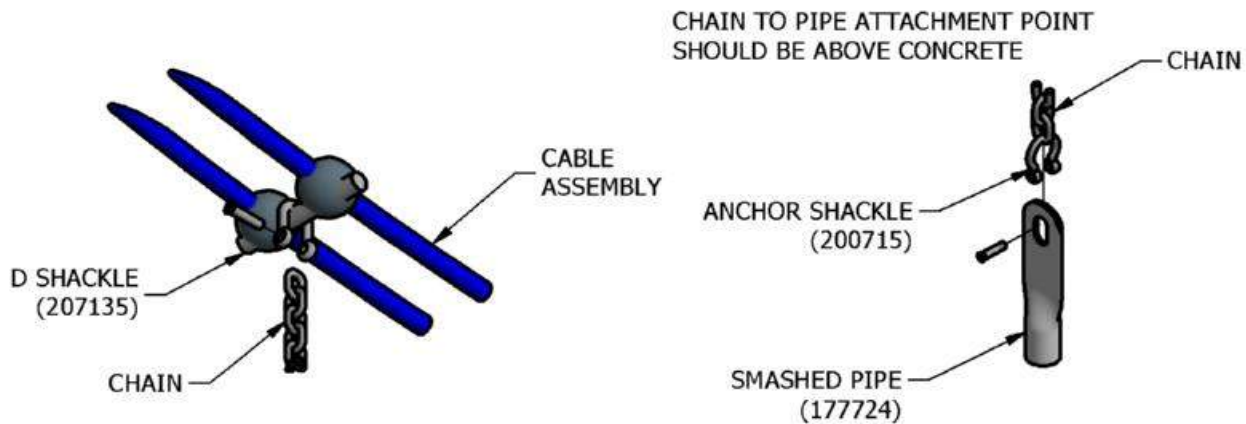
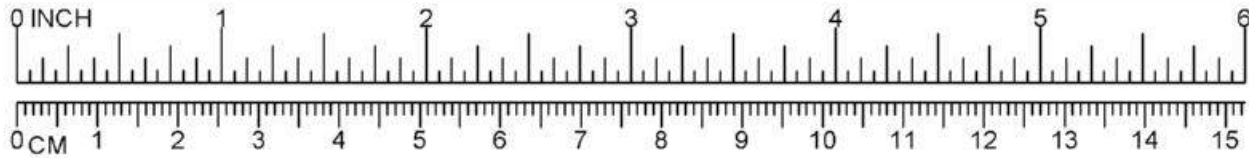
DETAILS -for- 90165

IMPORTANT

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

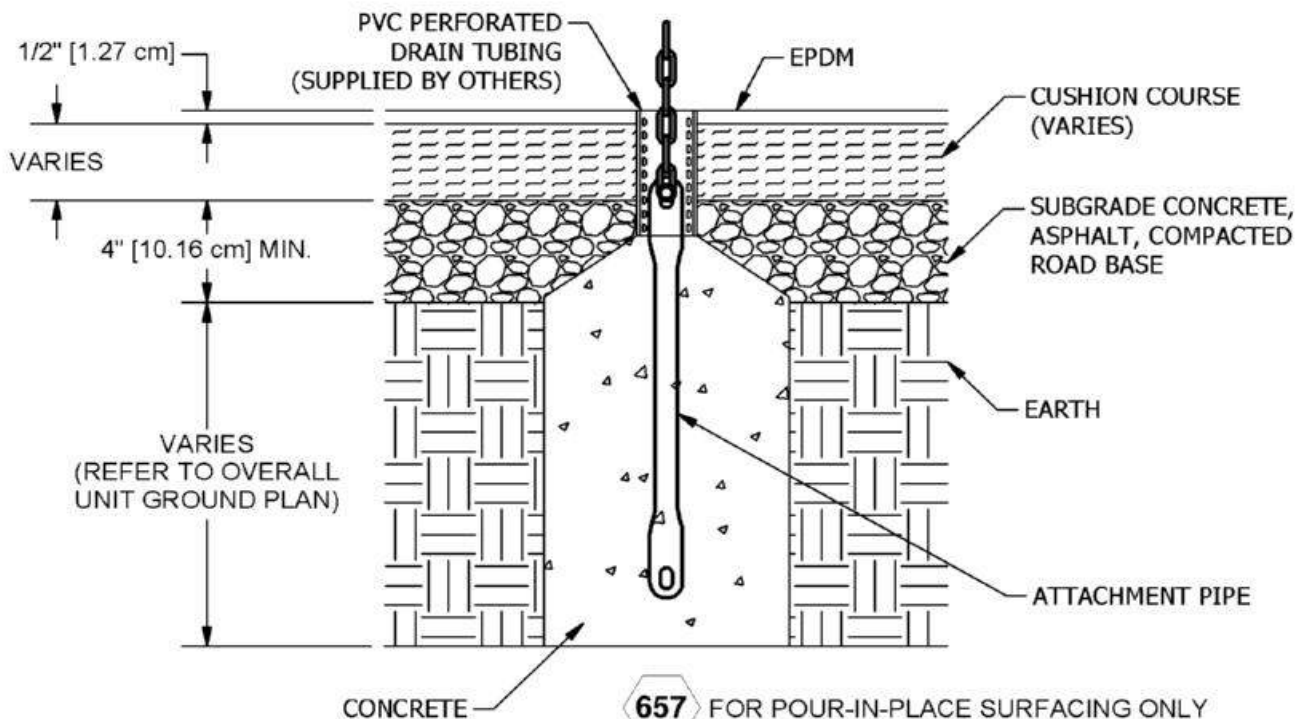
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



618

NOTE: IT IS CRITICAL THAT CHAINS ARE TAUT WHEN CONCRETE IS POURED. REMOVE ANY EXCESS CHAIN.

619



657 FOR POUR-IN-PLACE SURFACING ONLY

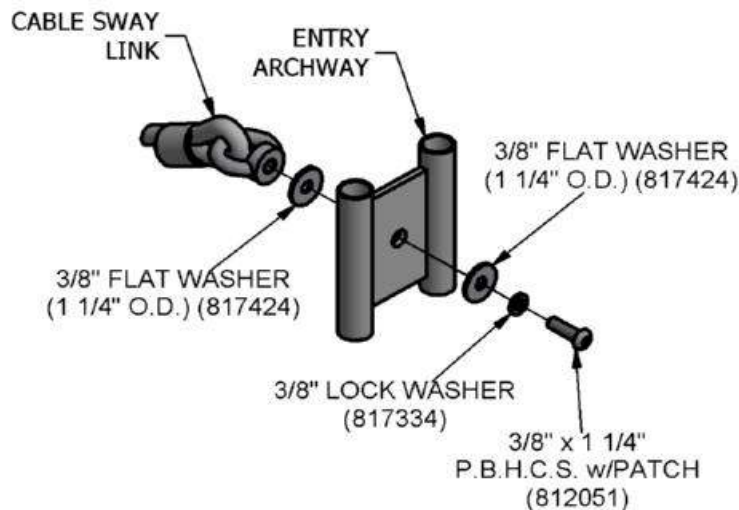
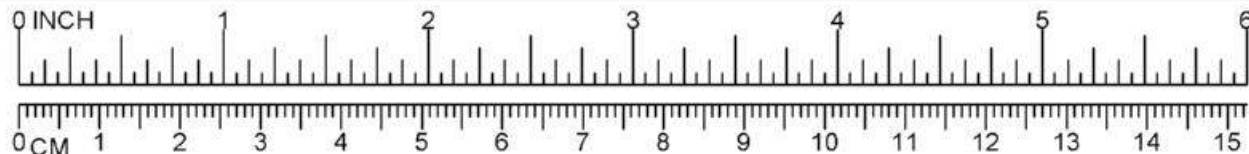
DETAILS -for- 90165

IMPORTANT

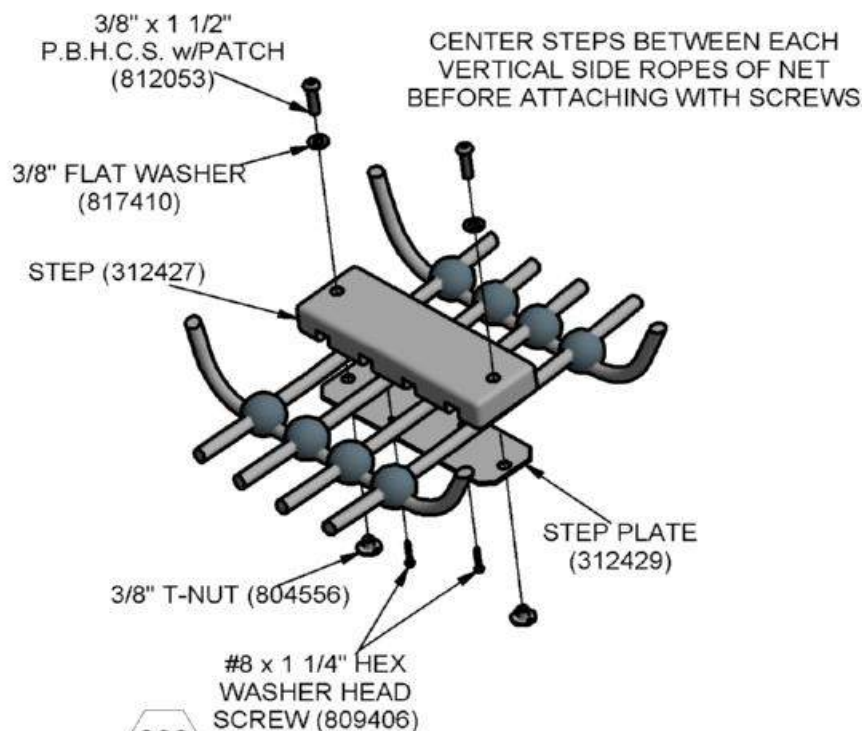
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



262



668

PowerScape



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1-800-235-2440

ISSUED/REVISED: 02/11/2022

90176

ADA

CROW'S NEST



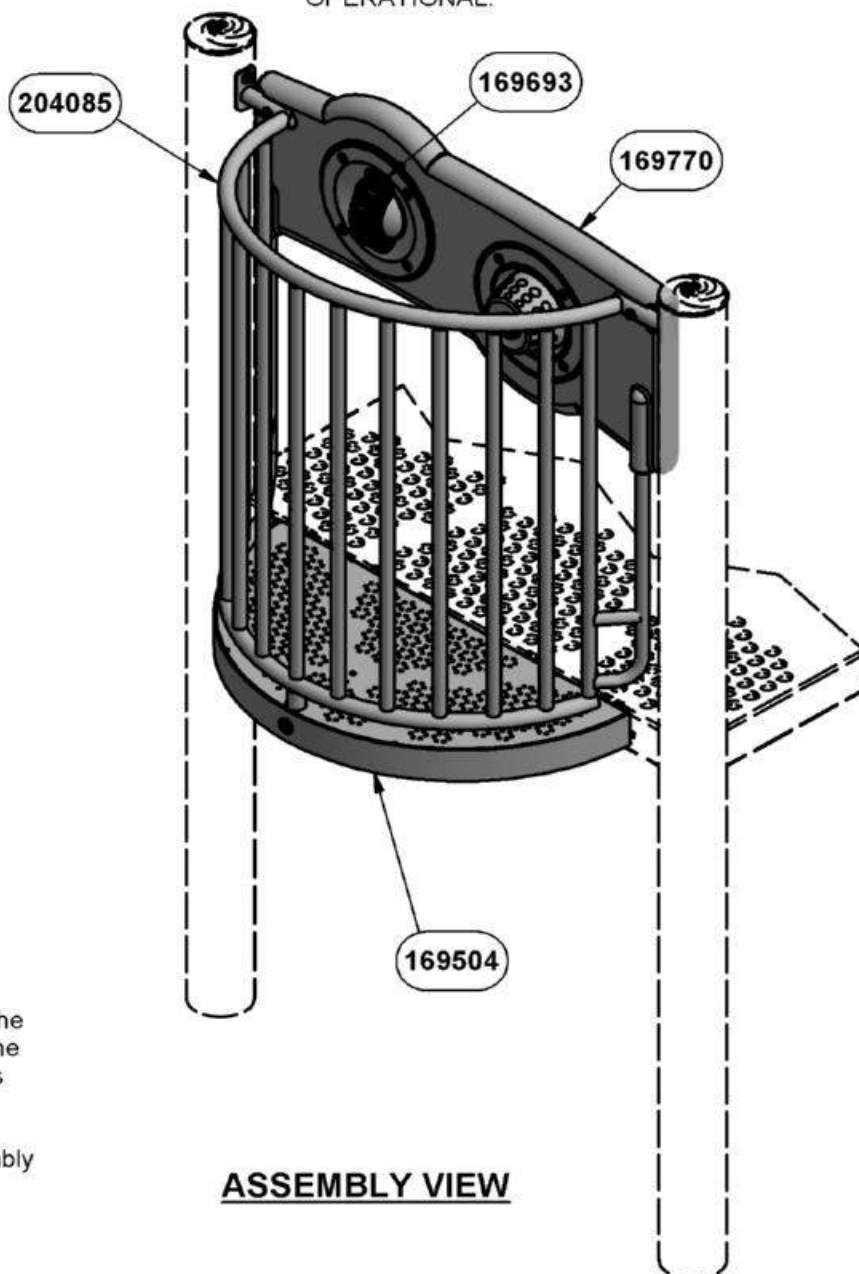
UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

w/ GIZMO PANEL 90176
FOR GIZMOS, SEE INSTALLATION SHEET 4956

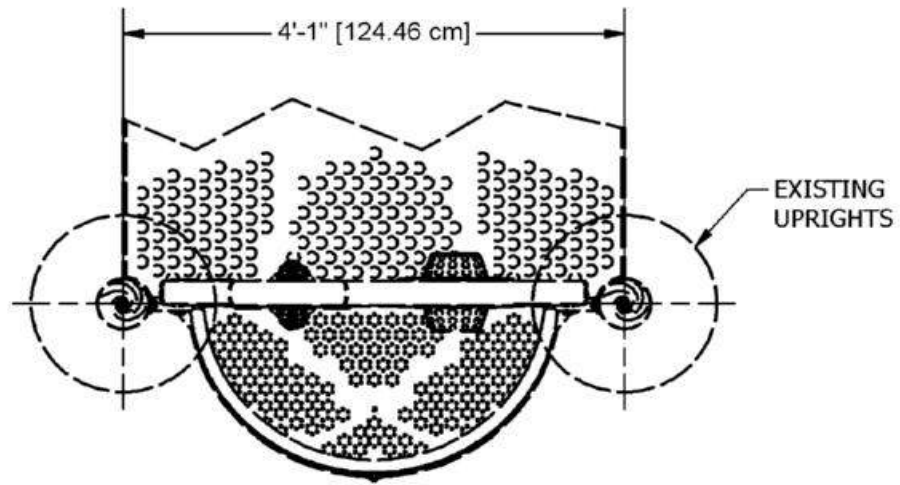
NOTE: ALL OPENINGS ON PANEL
MUST BE FILLED WITH A GIZMO
BEFORE PLAYGROUND IS
OPERATIONAL.



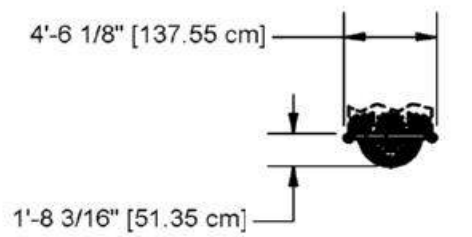
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

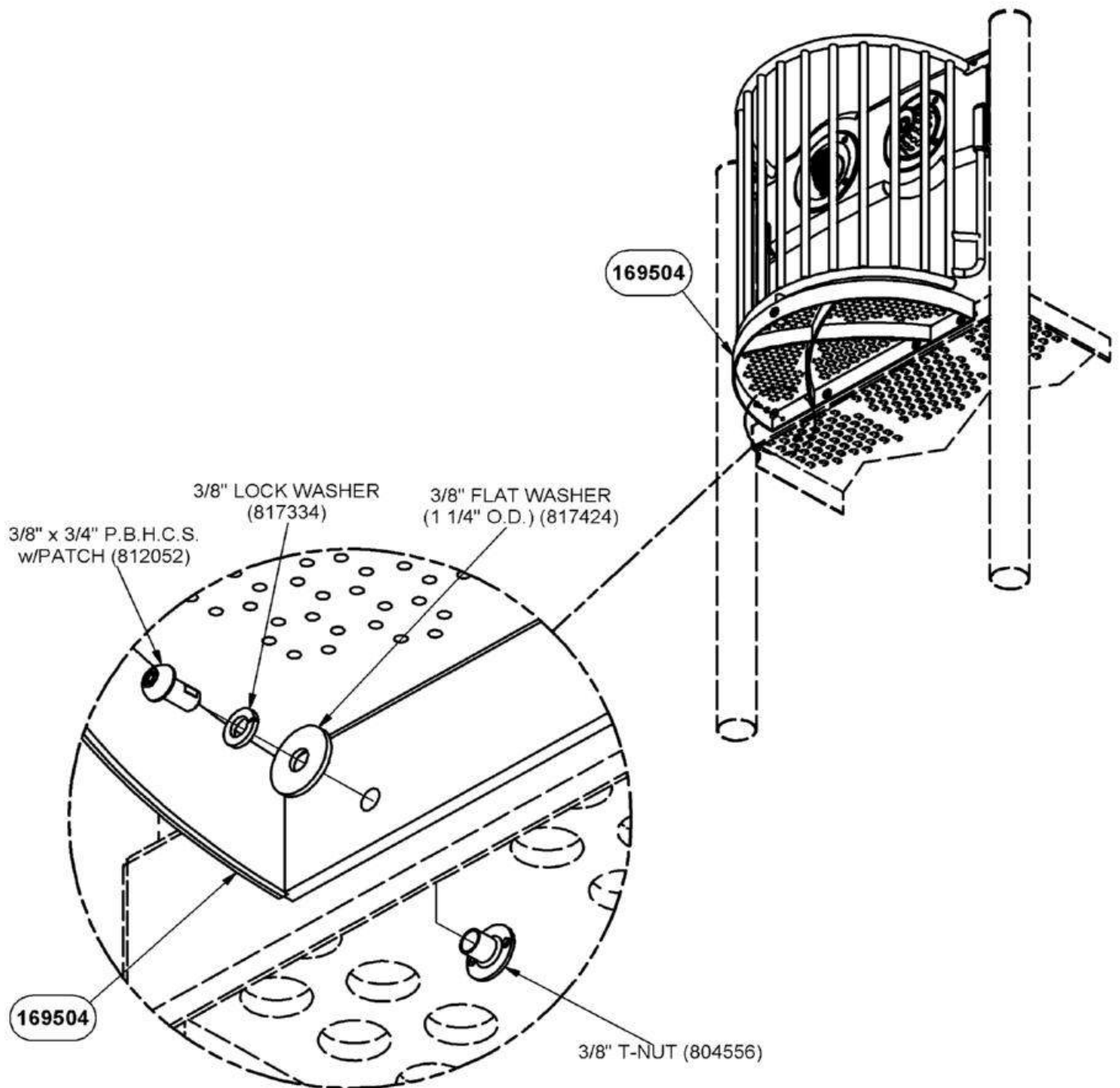
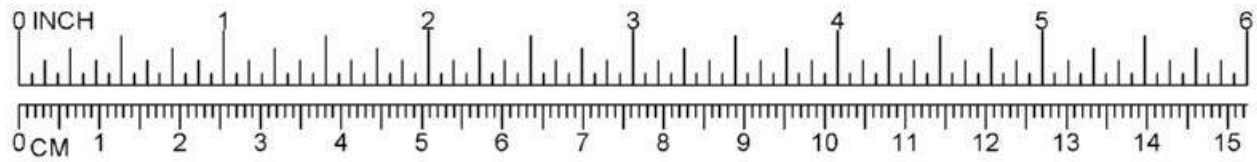
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



PLAN VIEW



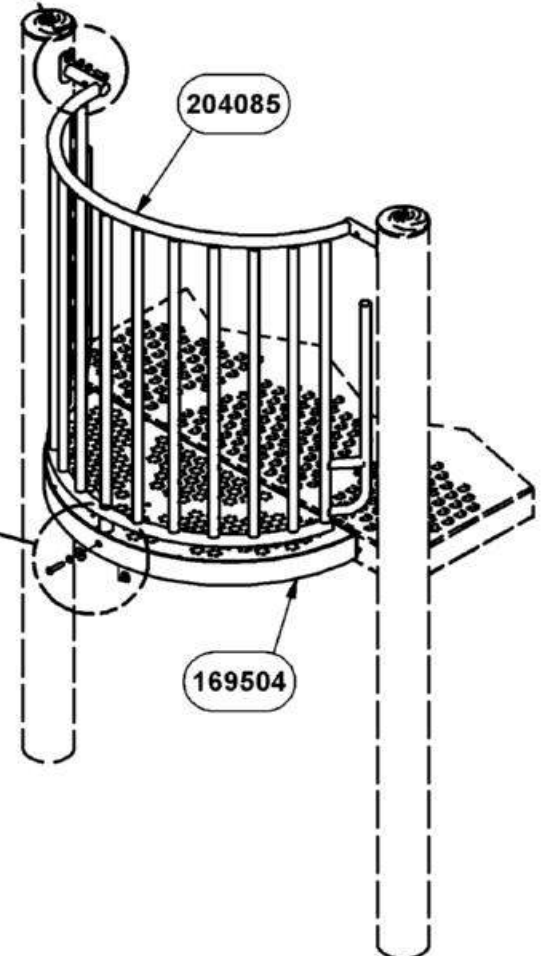
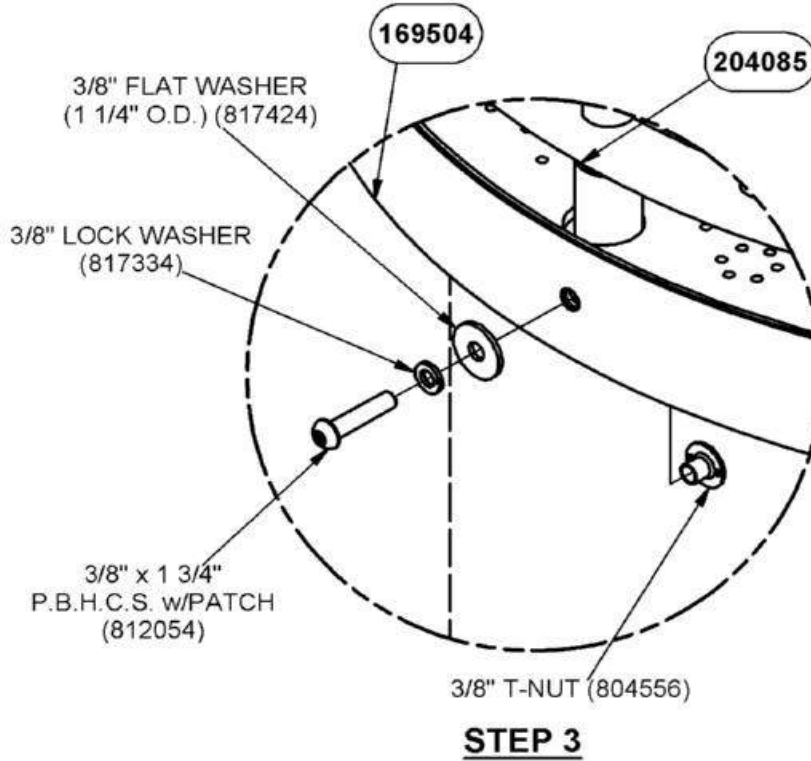
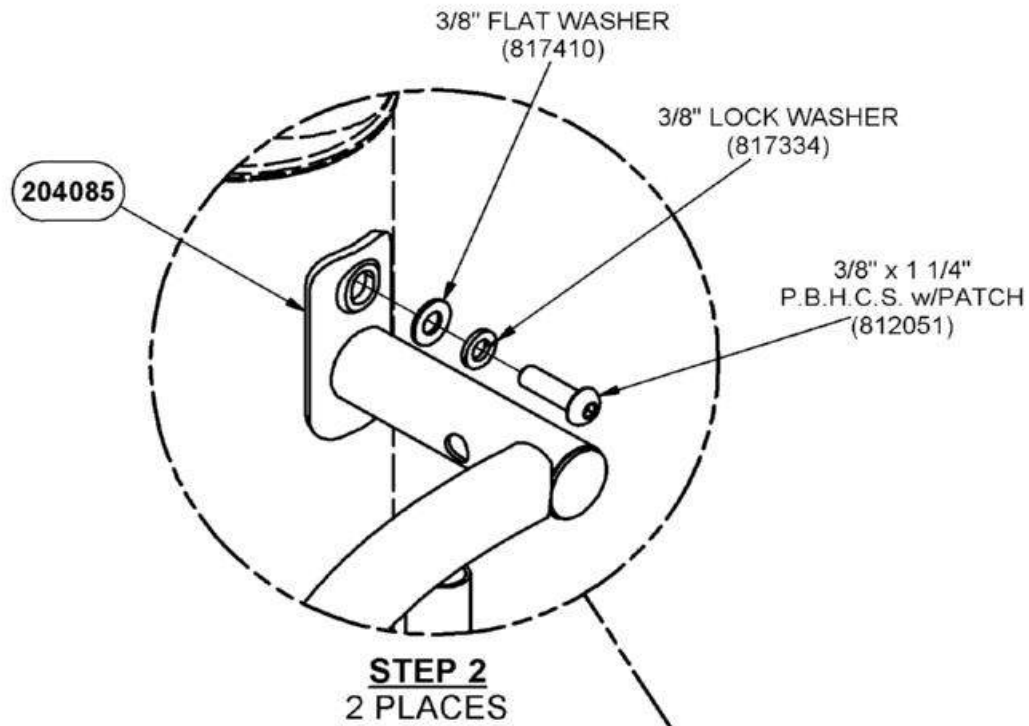
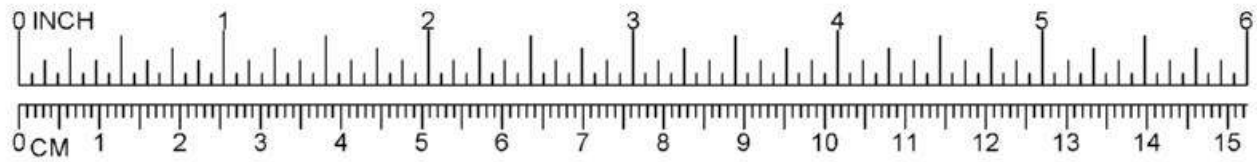
TOP VIEW



STEP 1
4 PLACES

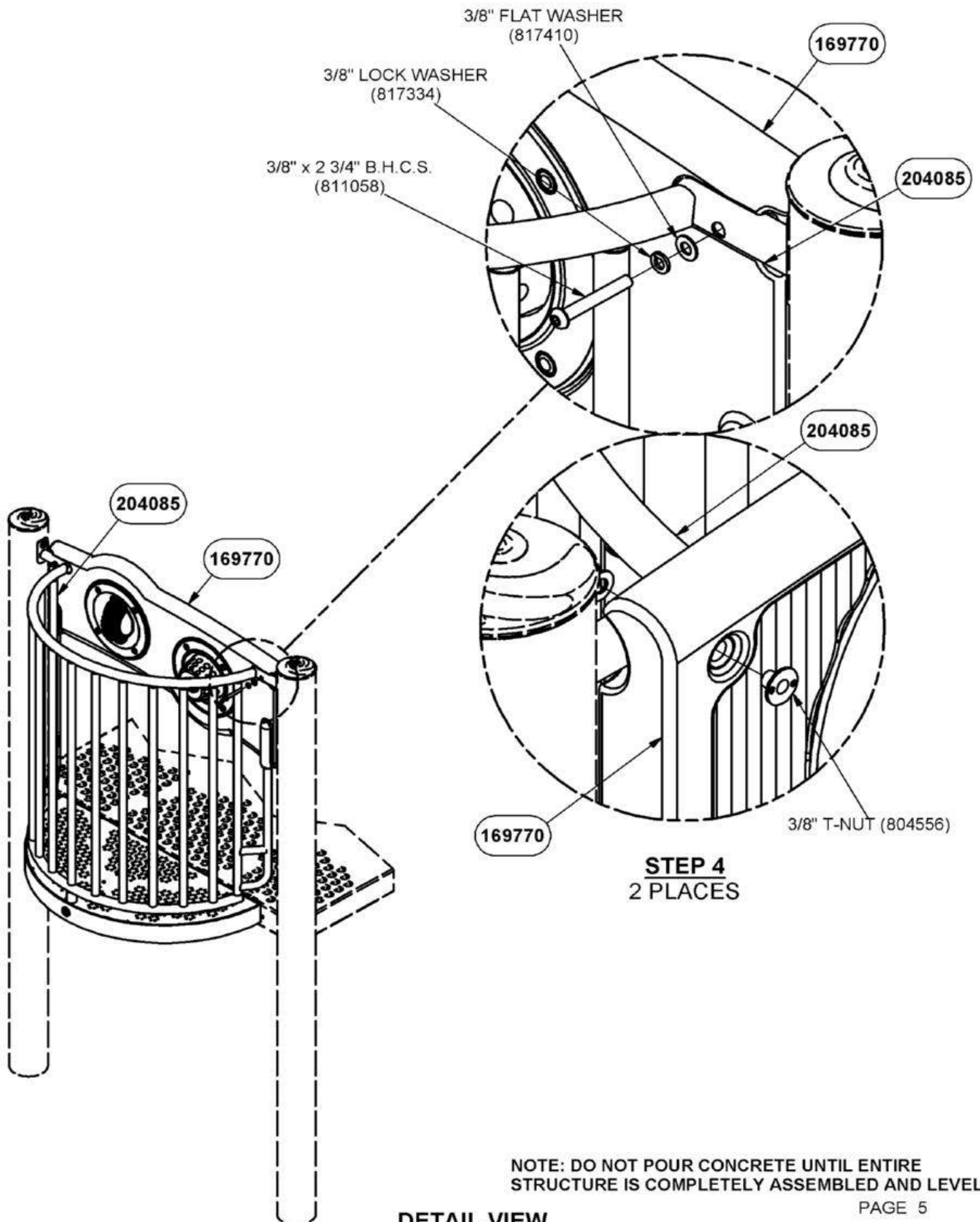
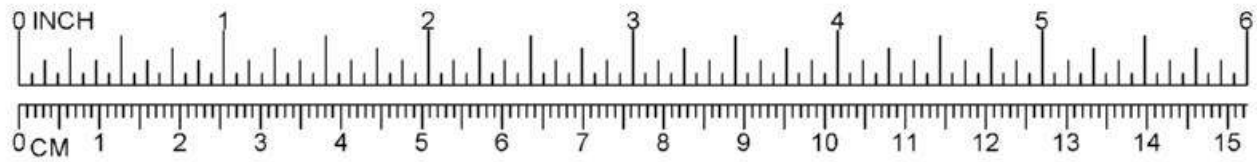
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



Parts List		
DESCRIPTION	QTY	PART NUMBER
ADA GIZMO PANEL	1	169770
CROW'S NEST ENCLOSURE	1	204085
CROW'S NEST PLATFORM (ADA)	1	169504
HARDWARE COMPLETE	1	204095
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	1	812054*
3/8" x 2 3/4" B.H.C.S.	2	811058*
3/8" FLAT WASHER	4	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	5	817424*
3/8" LOCK WASHER	9	817334*
3/8" T-NUT	7	804556*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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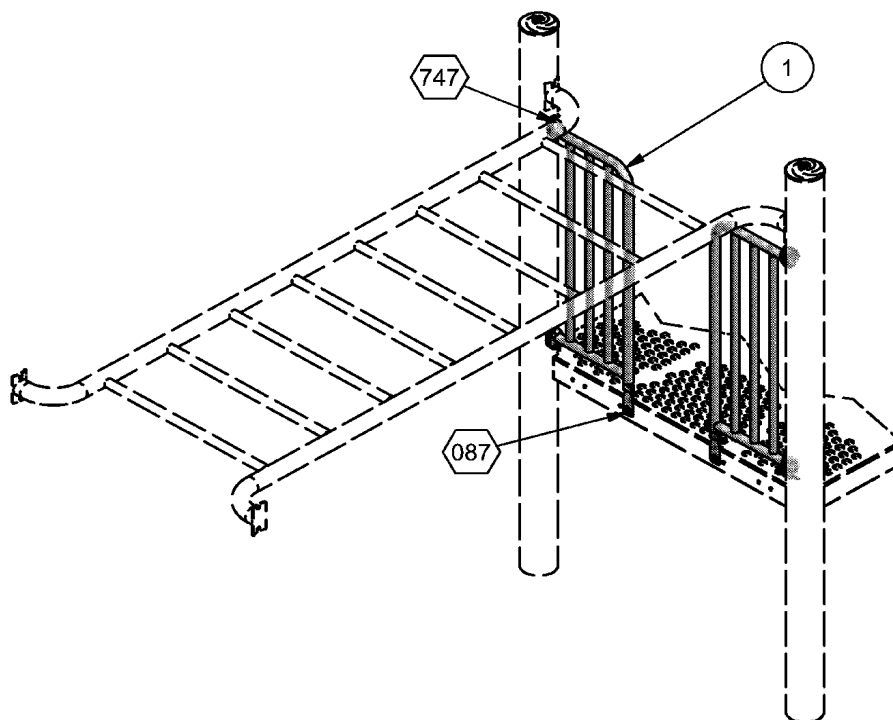
1-800-235-2440

ISSUED/REVISED: 3/5/13

90207 OVERHEAD LADDER ACCESS PACKAGE

⬡ = INSTALLATION
DETAIL

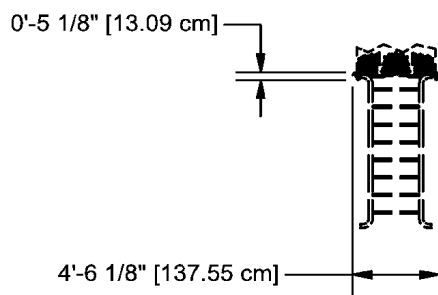
○ = PARTS LIST
REFERENCE



INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY VIEW



TOP VIEWS

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	D-RING w/INFILL WELD ASS'Y	2	206044
	TRU-LOC	4	A03650
	HARDWARE COMPLETE	1	203637
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055*
	3/8" LOCKWASHER	6	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	ALUM. PIN	4	203568*

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

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

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

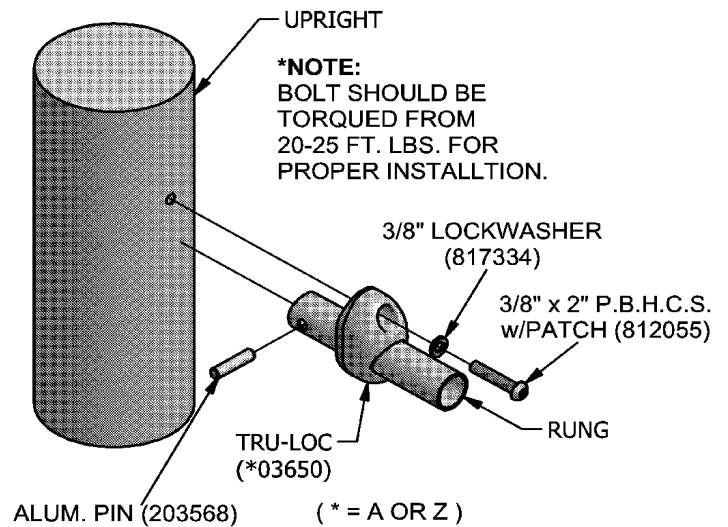
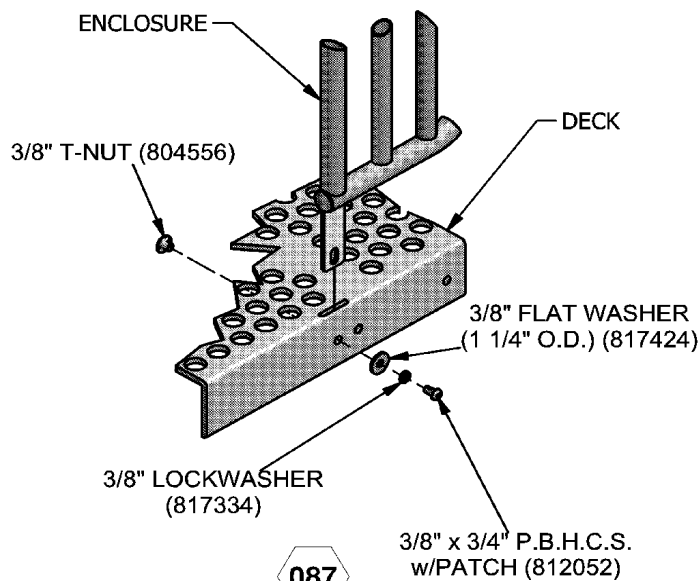
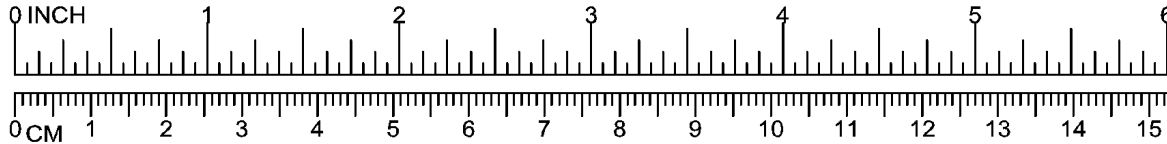
DETAILS -for- 90207

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.



90288 STRAIGHT TUBE SLIDE

 = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

NOTE: TUBE ENTRANCE
(203582) MUST BE
CENTERED IN DECK
OPENING

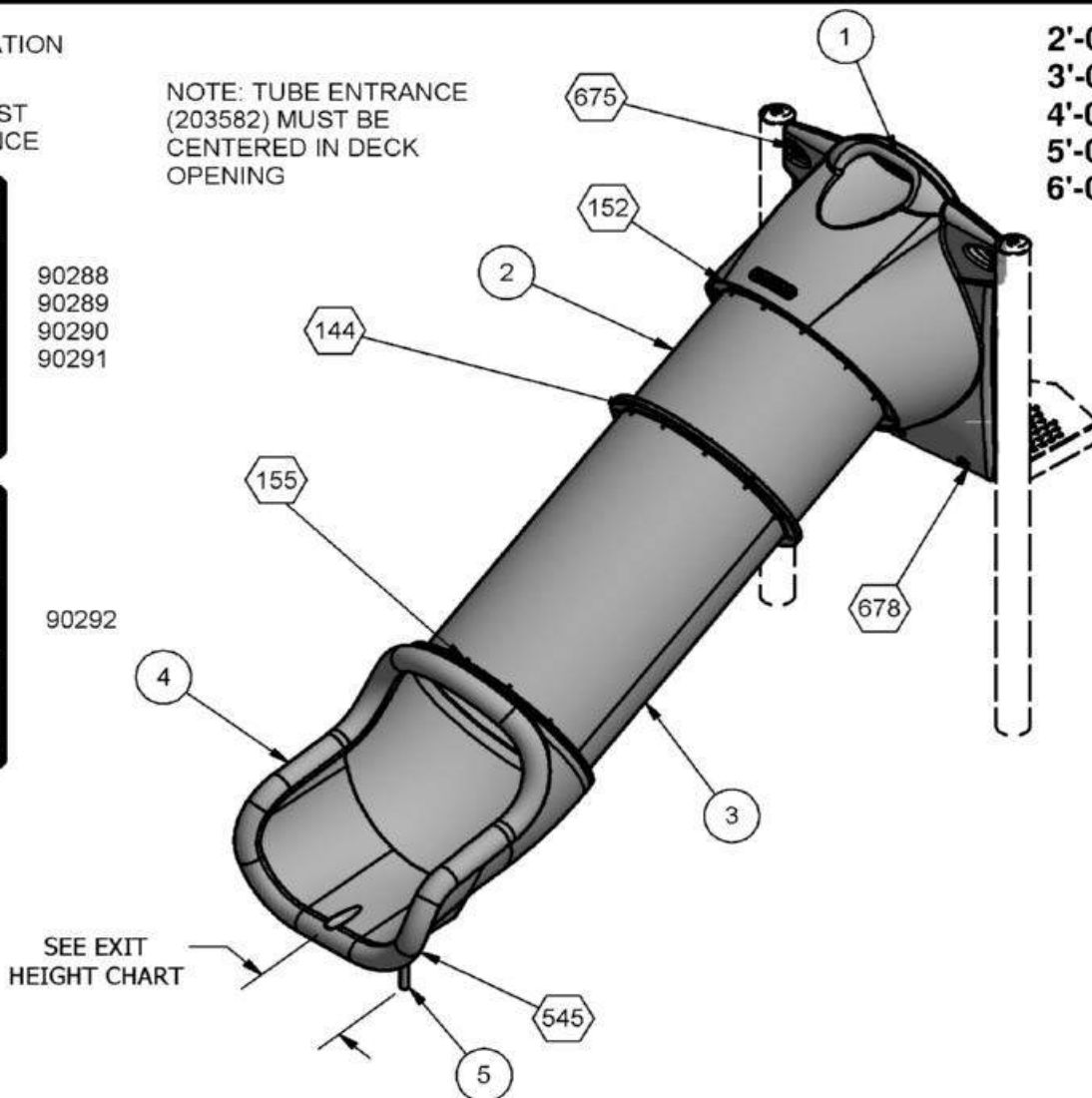
2'-0"	90288
3'-0"	90289
4'-0"	90290
5'-0"	90291
6'-0"	90292



90288
90289
90290
90291



90292



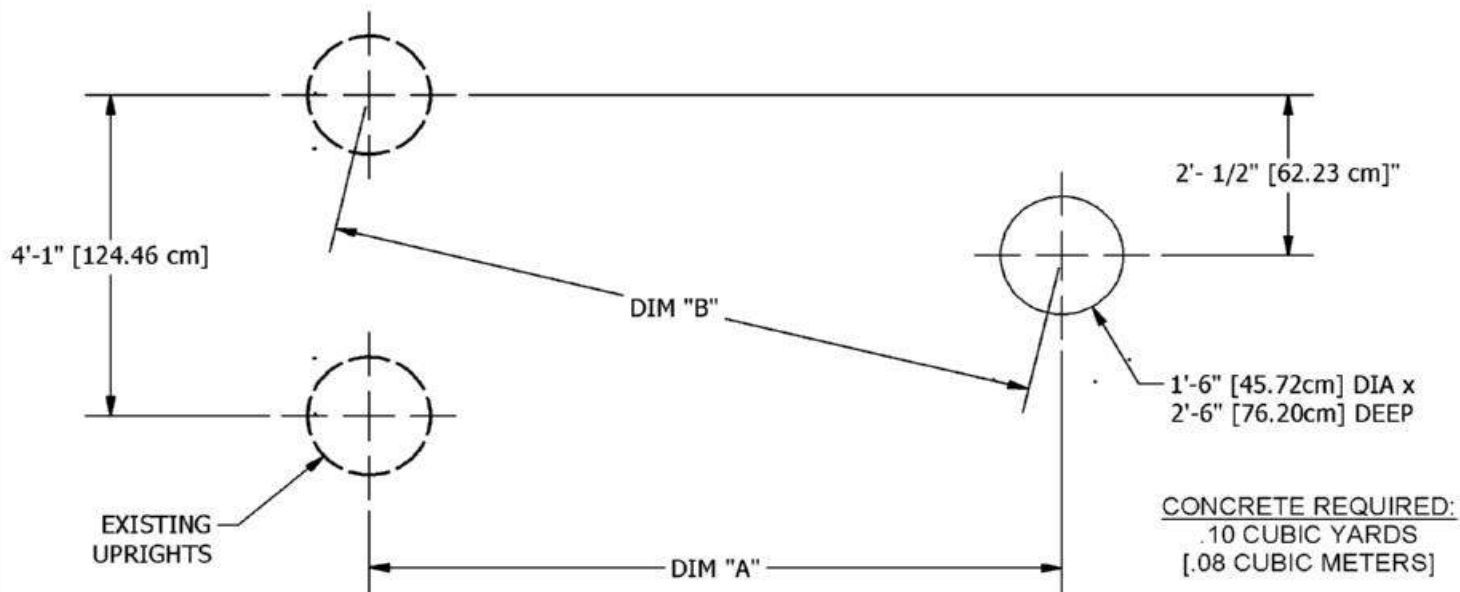
ASSEMBLY DRAWING
90290 SHOWN

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

EXIT HEIGHT CHART -for- 90288, 90289 & 90290	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

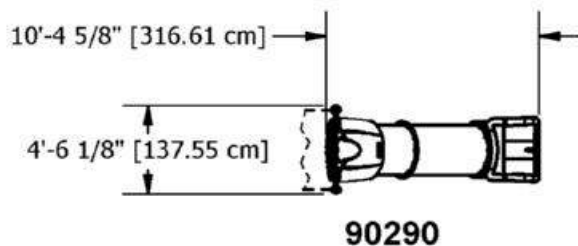
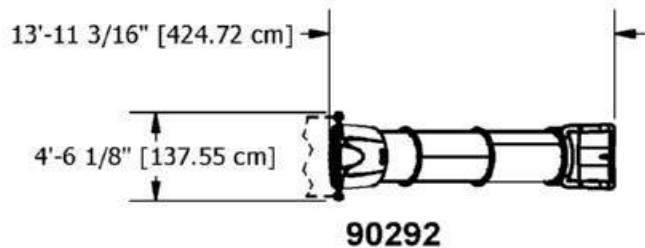
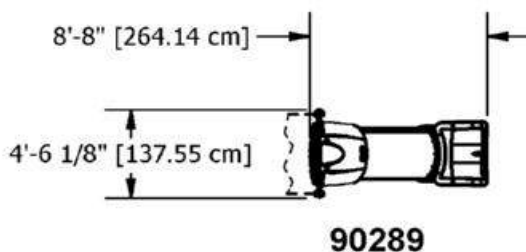
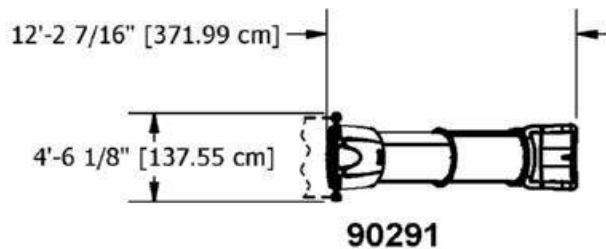
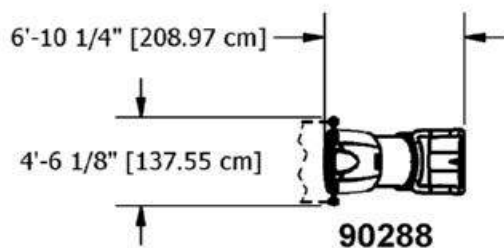
EXIT HEIGHT CHART -for- 90291 & 90292	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

PRODUCT NO.	DIMENSION "A"	DIMENSION "B"
90288	4'-11 1/8" [150.14 cm]	5'-4" [162.53 cm]
90289	6'-8 3/4" [205.14 cm]	7'-3/8" [214.37 cm]
90290	8'-5 9/16" [257.93 cm]	8'-8 7/16" [265.33 cm]
90291	10'-3 3/16" [312.92 cm]	10'-5 5/8" [319.05 cm]
90292	12'-0" [365.72 cm]	12'-2 1/16" [370.97 cm]

GROUND PLAN



TOP VIEWS

PARTS LIST							
REF.	DESCRIPTION	90288	90289	90290	90291	90292	PART NUMBER
1	TUBE ENTRANCE	1	1	1	1	1	203582
2	24" TUBE SECTION	1	0	1	0	1	153651
3	49" TUBE SECTION (Ø30")	0	1	1	2	2	153653
4	EXIT SECTION	1	1	1	1	1	218855
5	FOOTBUCK	1	1	1	1	1	179493
	HARDWARE COMPLETE	1	1	0	0	0	203639
	HARDWARE COMPLETE	0	0	1	1	0	203617
	HARDWARE COMPLETE	0	0	0	0	1	203618
	5/16" x 3/4" P.B.H.C.S. w/PATCH	0	0	12	12	24	812040*
	5/16" x 1" P.B.H.C.S. w/PATCH	24	24	24	24	24	812042*
	5/16" FLATWASHER (1 1/8" O.D.)	24	24	36	36	48	817403*
	5/16" LOCK WASHER	24	24	36	36	48	817330*
	5/16" T-NUT (SHORT)	0	0	12	12	24	804558*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	2	812050*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	6	817424*
	3/8" LOCK WASHER	6	6	6	6	6	817334*
	3/8" T-NUT	2	2	2	2	2	804556*

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.

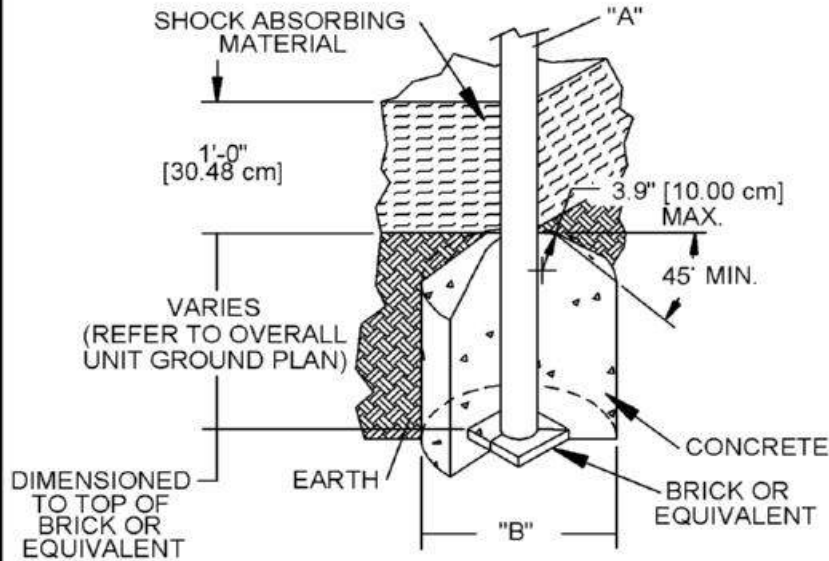
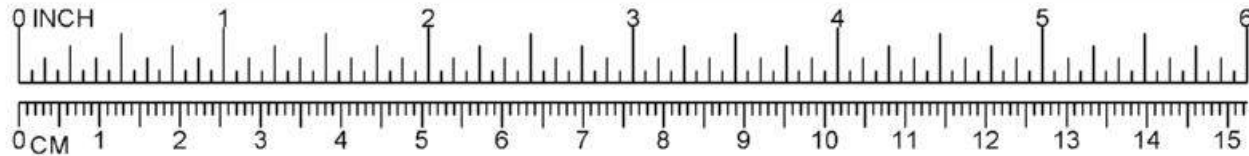
DETAILS -for- 90288, 90289, 90290, 90291 & 90292

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.

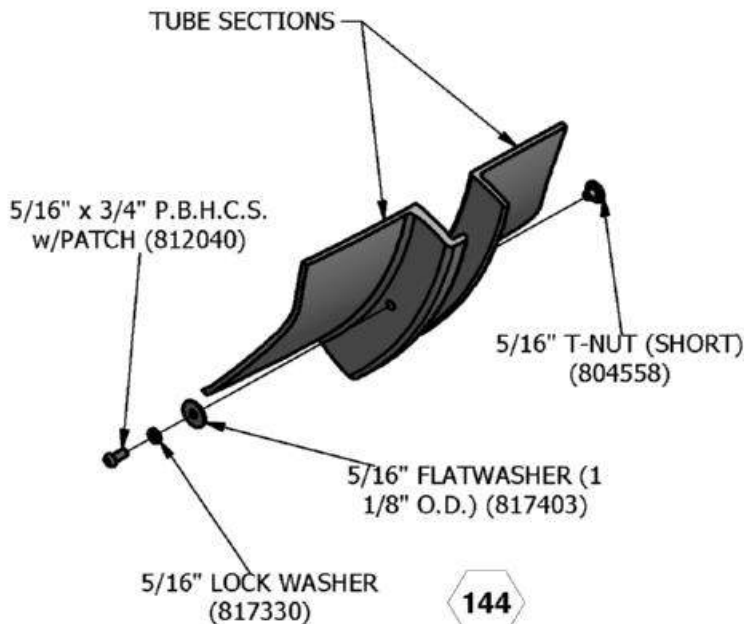


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

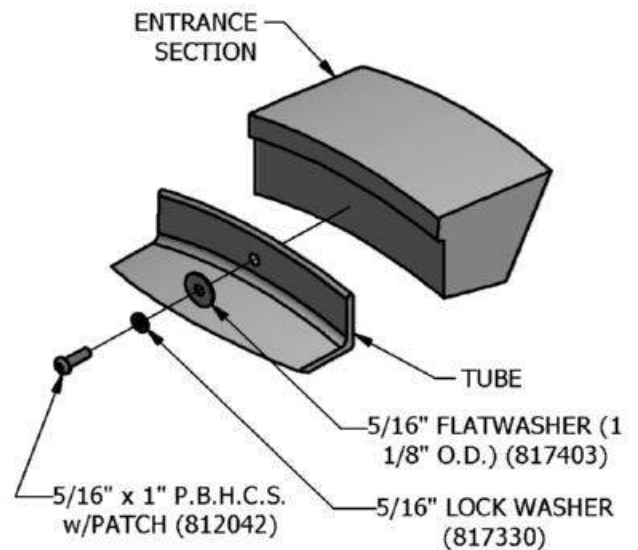
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



144



152

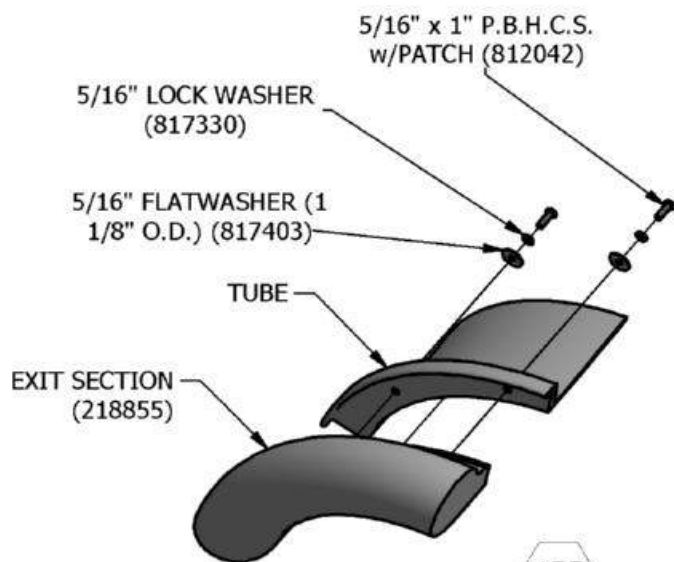
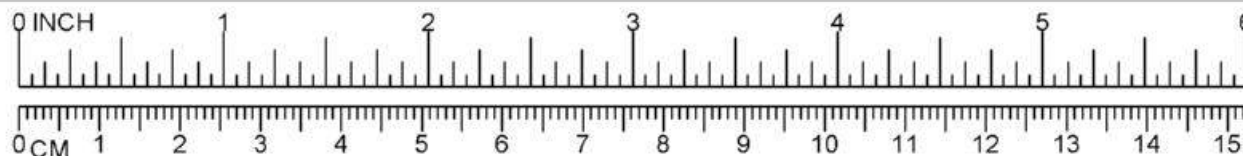
DETAILS -for- **90288, 90289, 90290, 90291 & 90292**

IMPORTANT

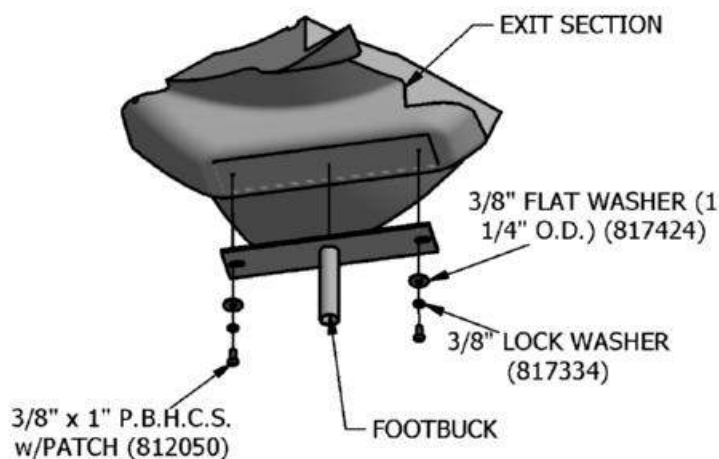
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

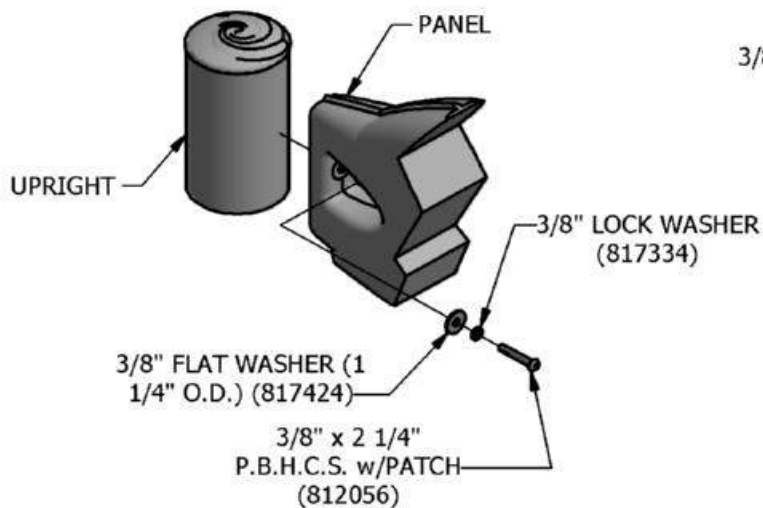
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



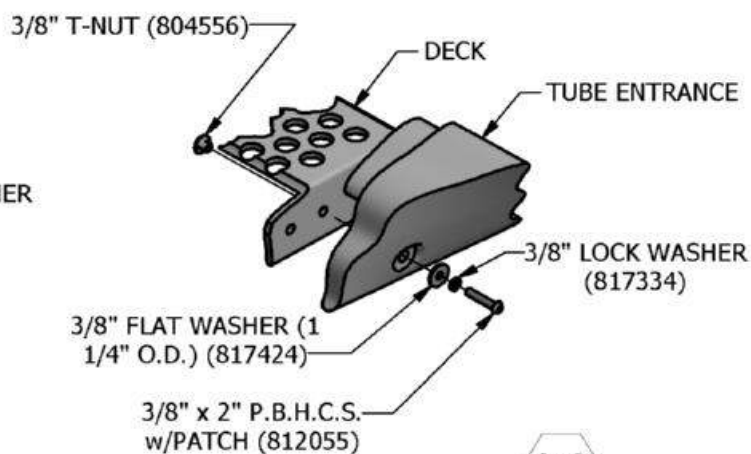
155



545



675



678

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ISSUED/REVISED: 10/7/13

90305 ARCHWAY w/ SOCKET

- = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE



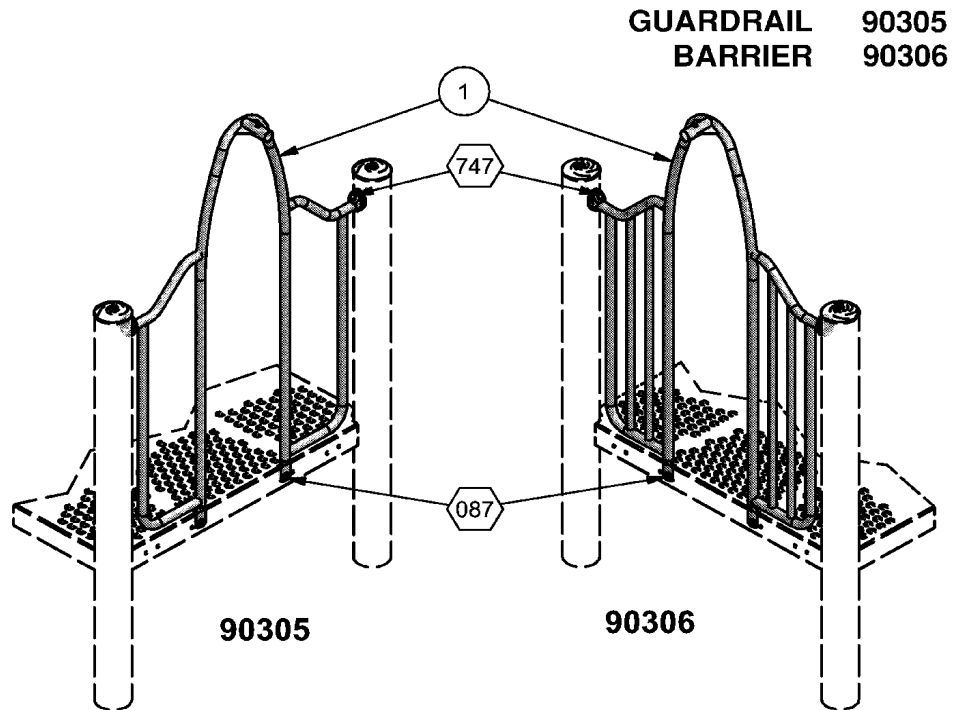
90305
2'-6"
OR
BELOW



90306



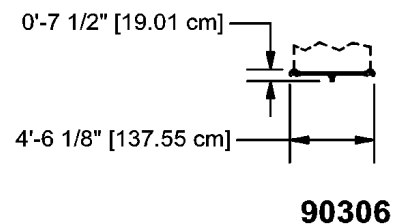
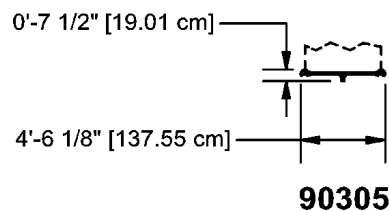
90305
4'-0"
OR
BELOW



ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

- Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEWS

Parts List				
REF.	DESCRIPTION	90305	90306	PART NUMBER
1	ARCHWAY	1	0	206338
1	ARCHWAY W/INFILL WELD ASS'Y	0	1	206336
	TRU-LOC	2	2	Z03650
	HARDWARE COMPLETE	1	1	206595
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" LOCKWASHER	4	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" T-NUT	2	2	804556*
	ALUM. PIN	2	2	203568*

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

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

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

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

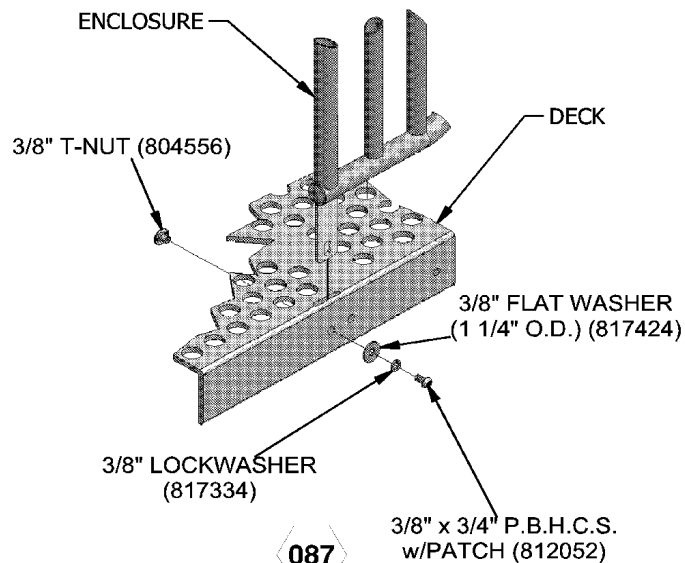
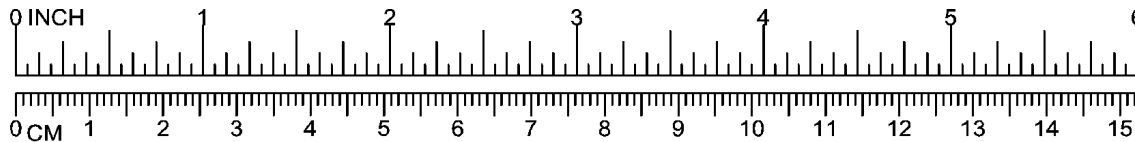
DETAILS -for- 90305 & 90306

IMPORTANT

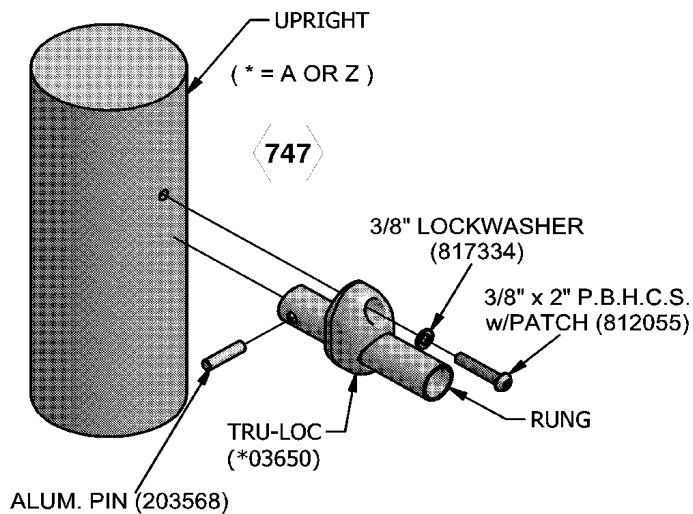
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



***NOTE:**
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.



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ISSUED/REVISED: 5/1/19

90317 TOAD STOOL CLIMBER

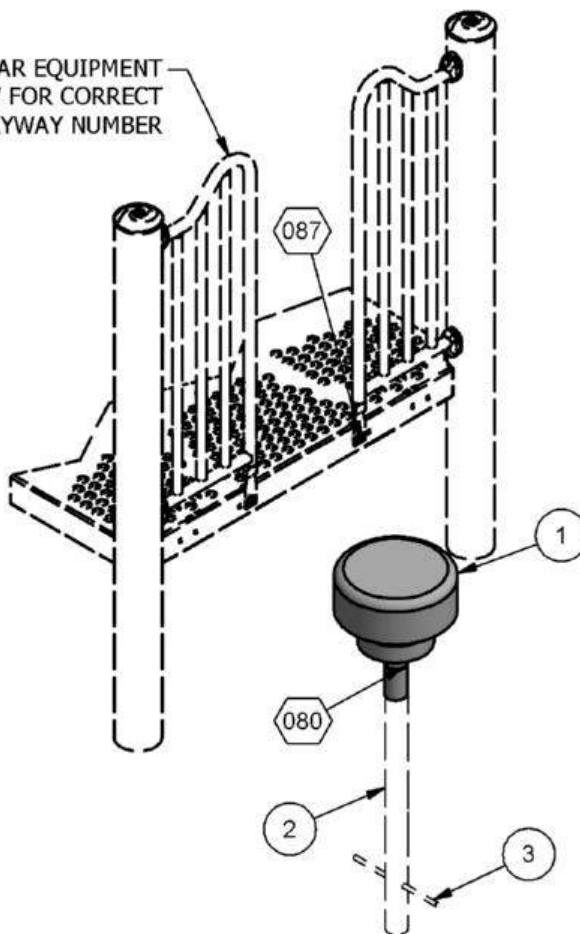
⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

1'-0" THRU 2'-0" 90317



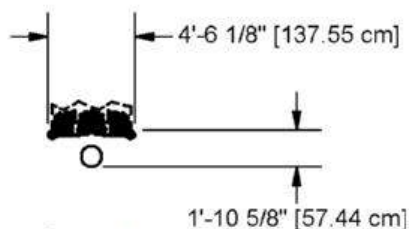
REFER TO MODULAR EQUIPMENT
TOP VIEW FOR CORRECT
ENTRYWAY NUMBER



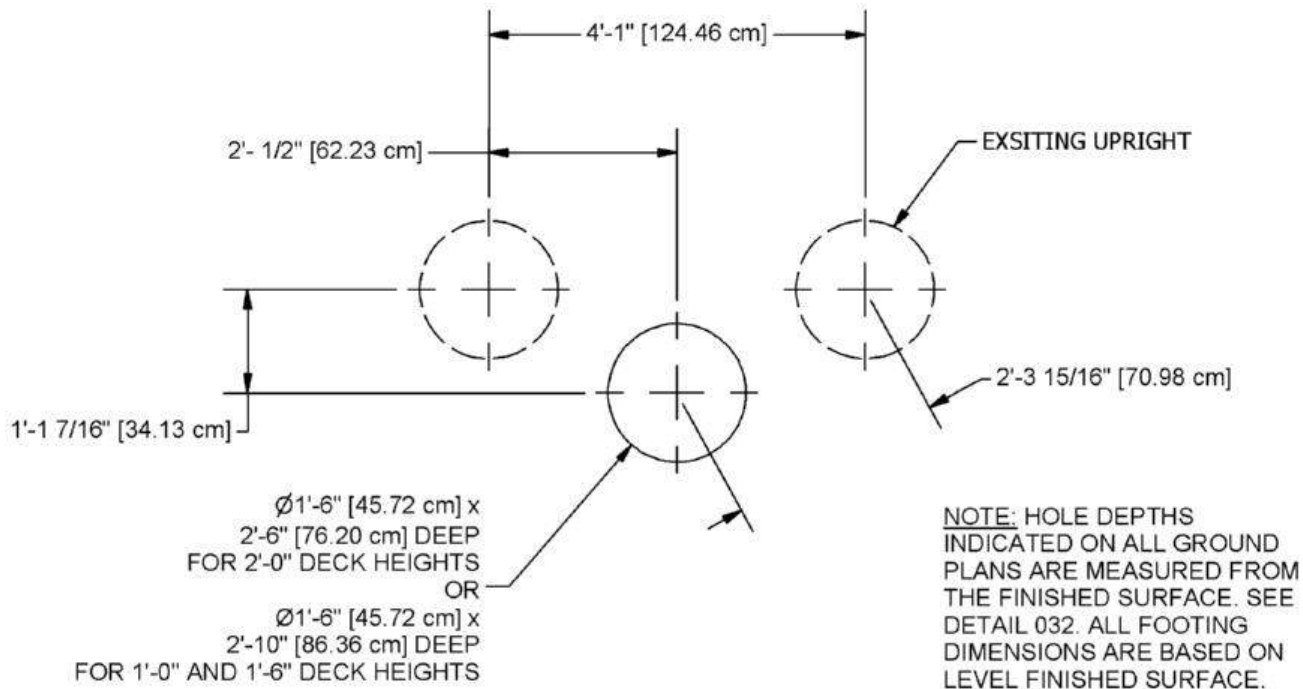
INSTALLATION INSTRUCTIONS

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2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY DRAWING



TOP VIEW



GROUND PLAN

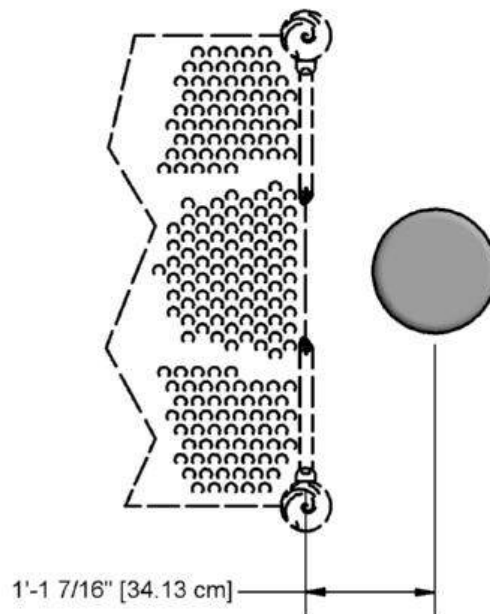
CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TOAD STOOL	1	157594
2	GROUND EXTENSION (16") HEIGHT	1	156351
	HARDWARE COMPLETE	1	203670
3	1/2" ANCHOR ROD	1	135038*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCK WASHER	4	817334*
	3/8" T-NUT	4	804556*

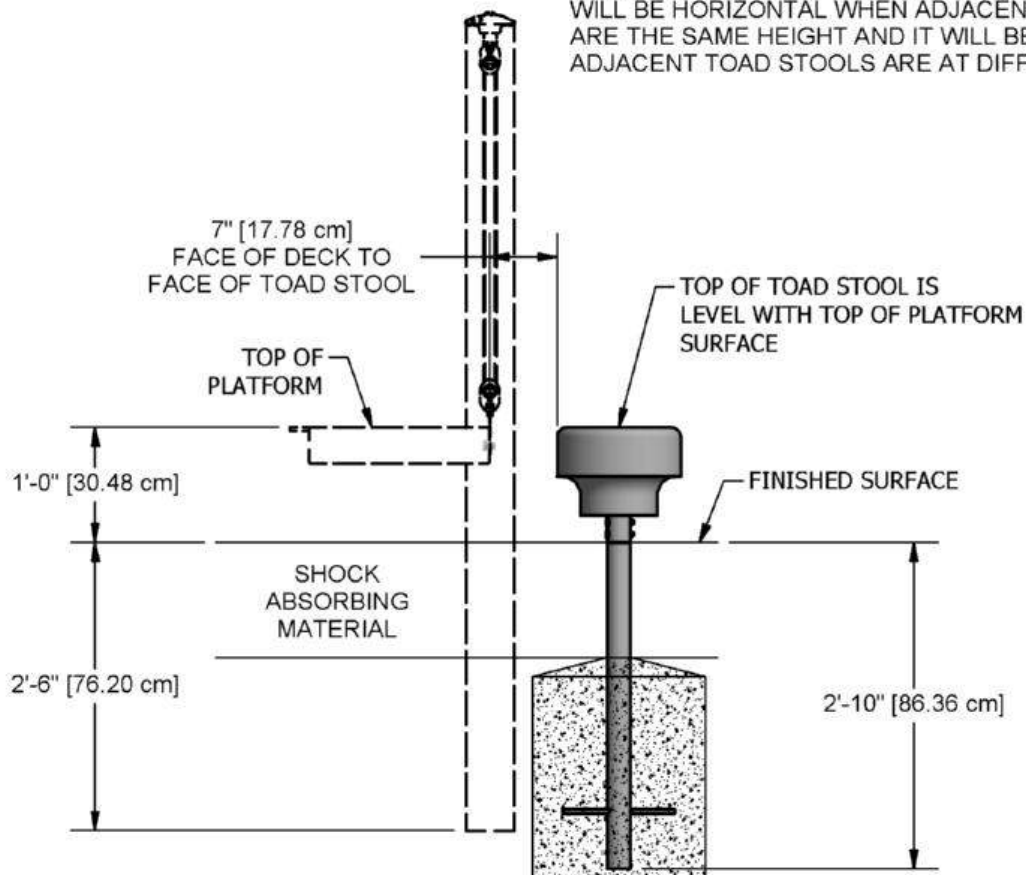
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* Included in Hardware*

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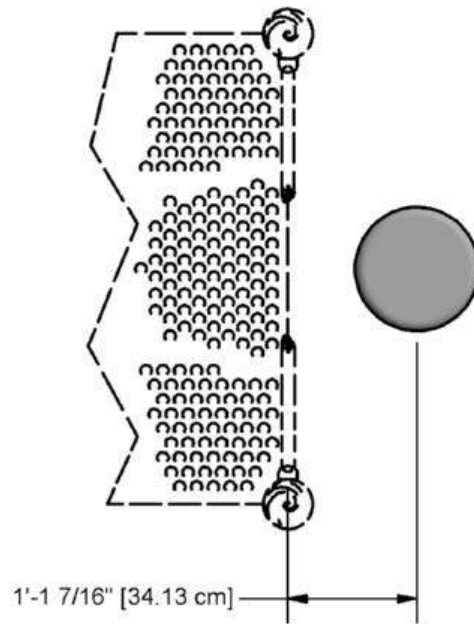
**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.**



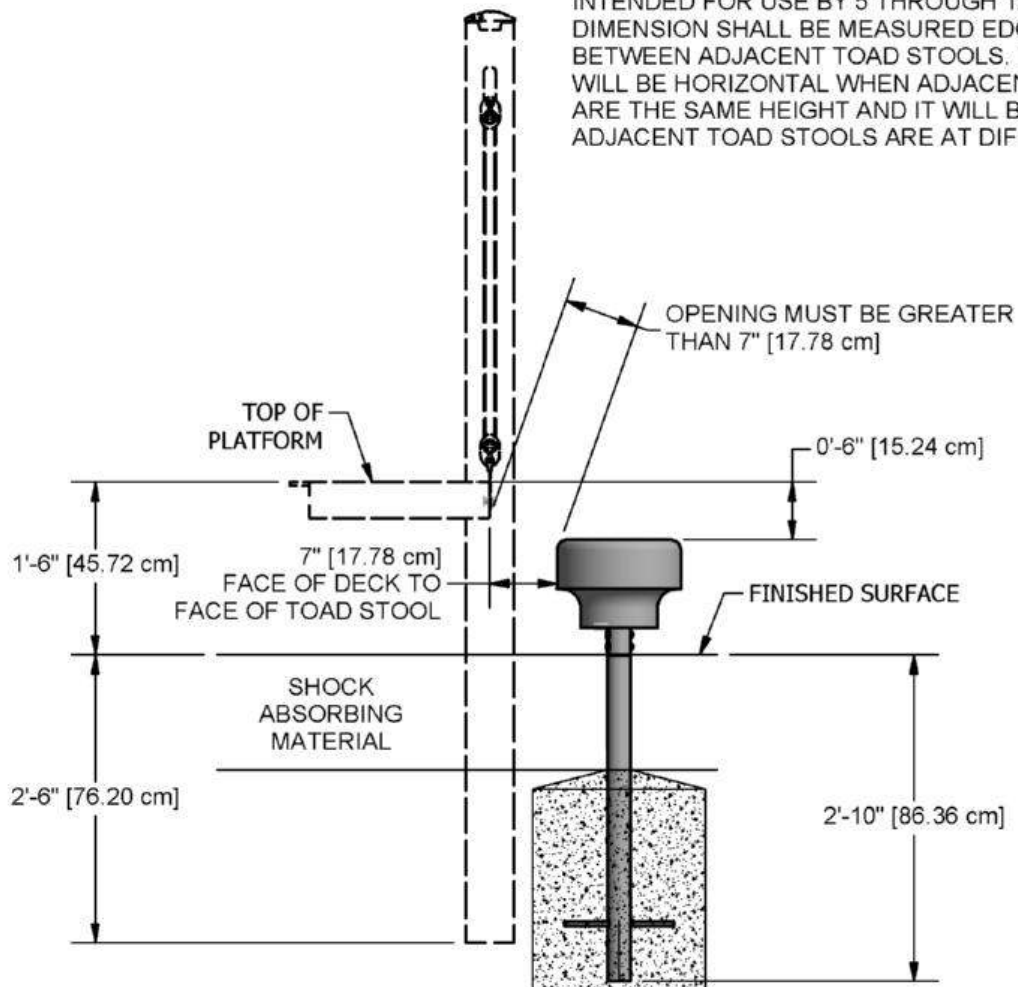
TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.



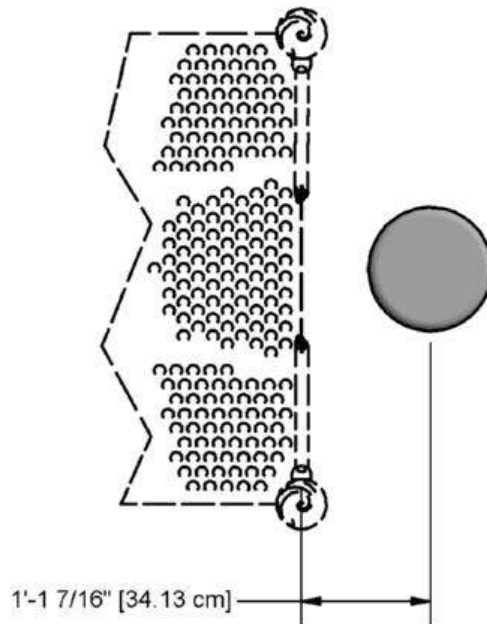
90317
1'-0" DECK HEIGHT
SHOWN



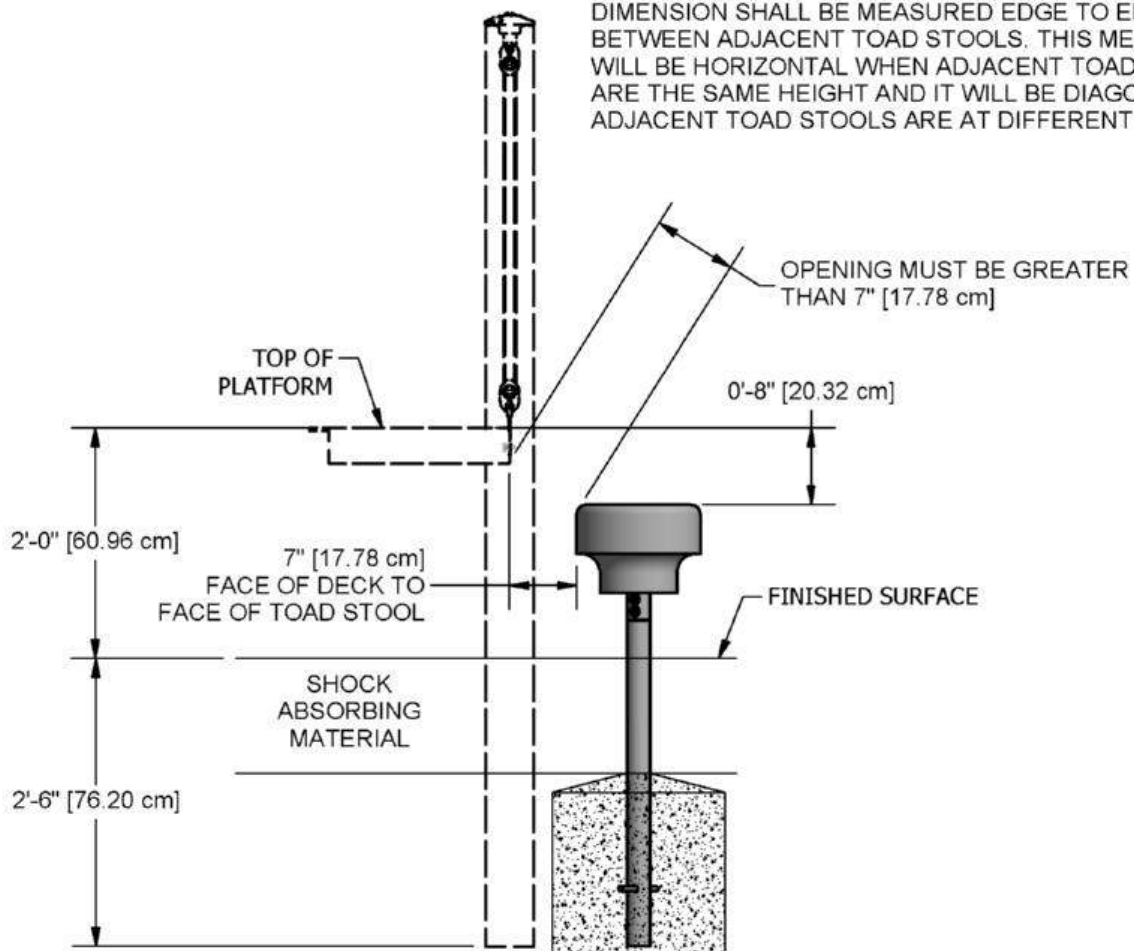
TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.



90317
1'-6" DECK HEIGHT
SHOWN



TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL WHEN ADJACENT TOAD STOOLS ARE THE SAME HEIGHT AND IT WILL BE DIAGONAL WHEN ADJACENT TOAD STOOLS ARE AT DIFFERENT HEIGHTS.



90317
2'-0" DECK HEIGHT
SHOWN

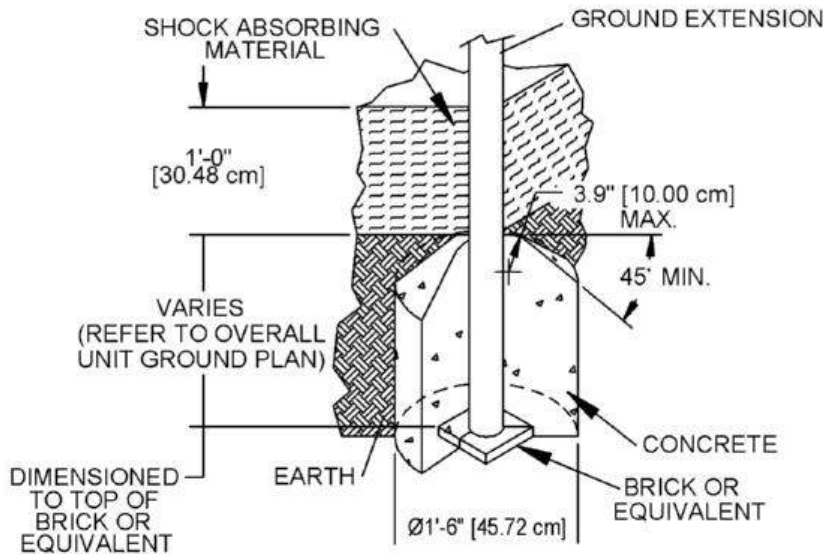
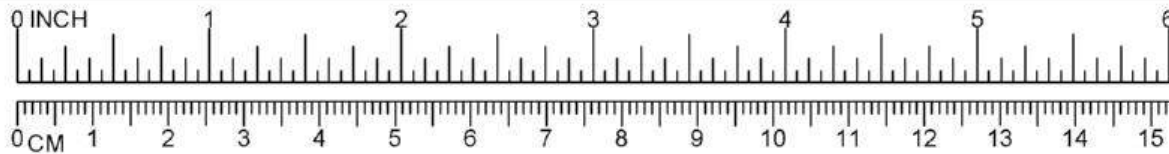
DETAILS -for- 90317

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 FLAT WASHERS TO MATCH RADIUS OF PIPE.

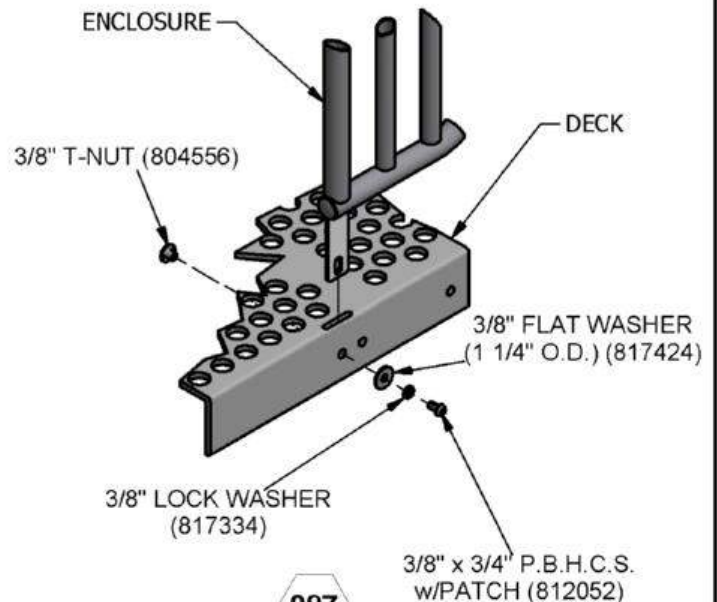
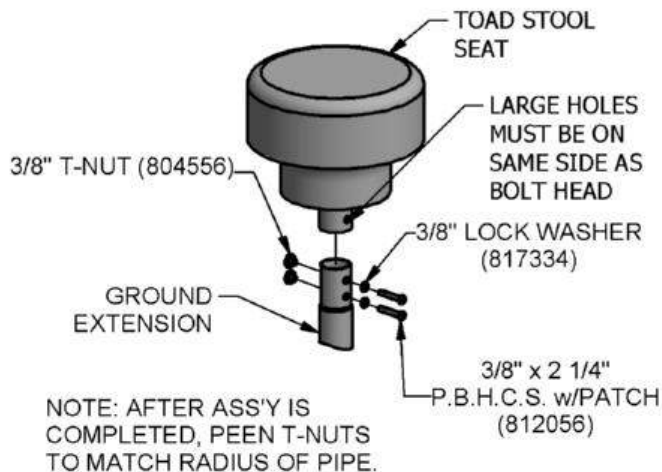


NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



CLIMBER OFFSET ARCHWAY



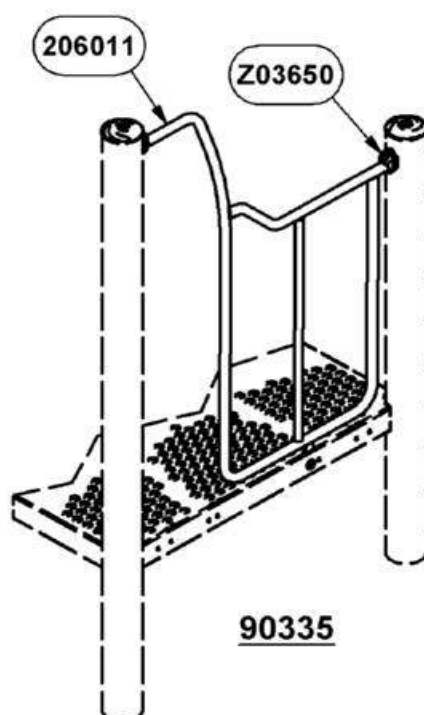
90335
2'-6"
OR
BELOW



90336

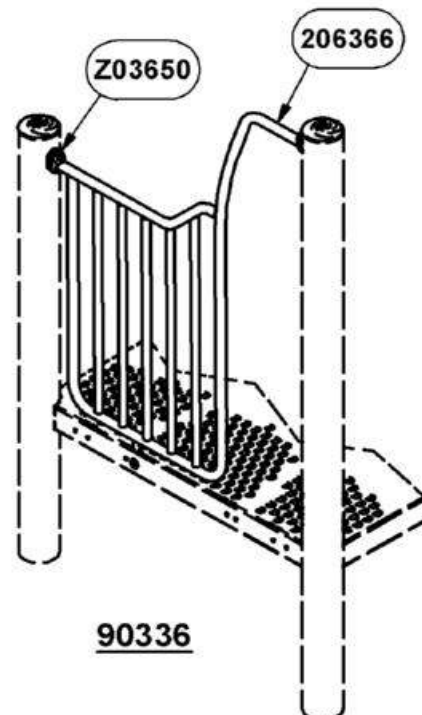


90335
4'-0"
OR
BELOW



90335

GUARDRAIL 90335
BARRIER 90336

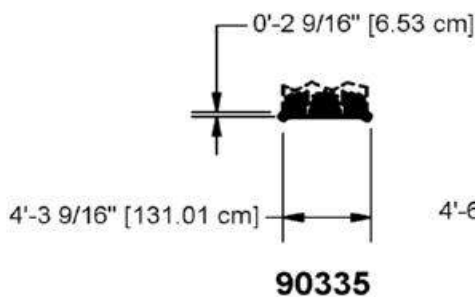


90336

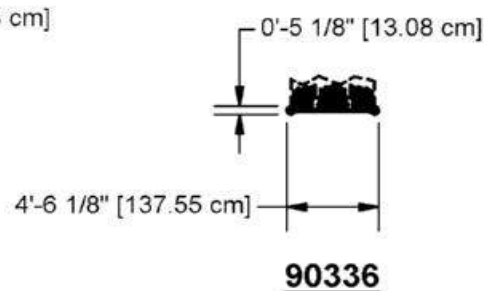
ASSEMBLY VIEWS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

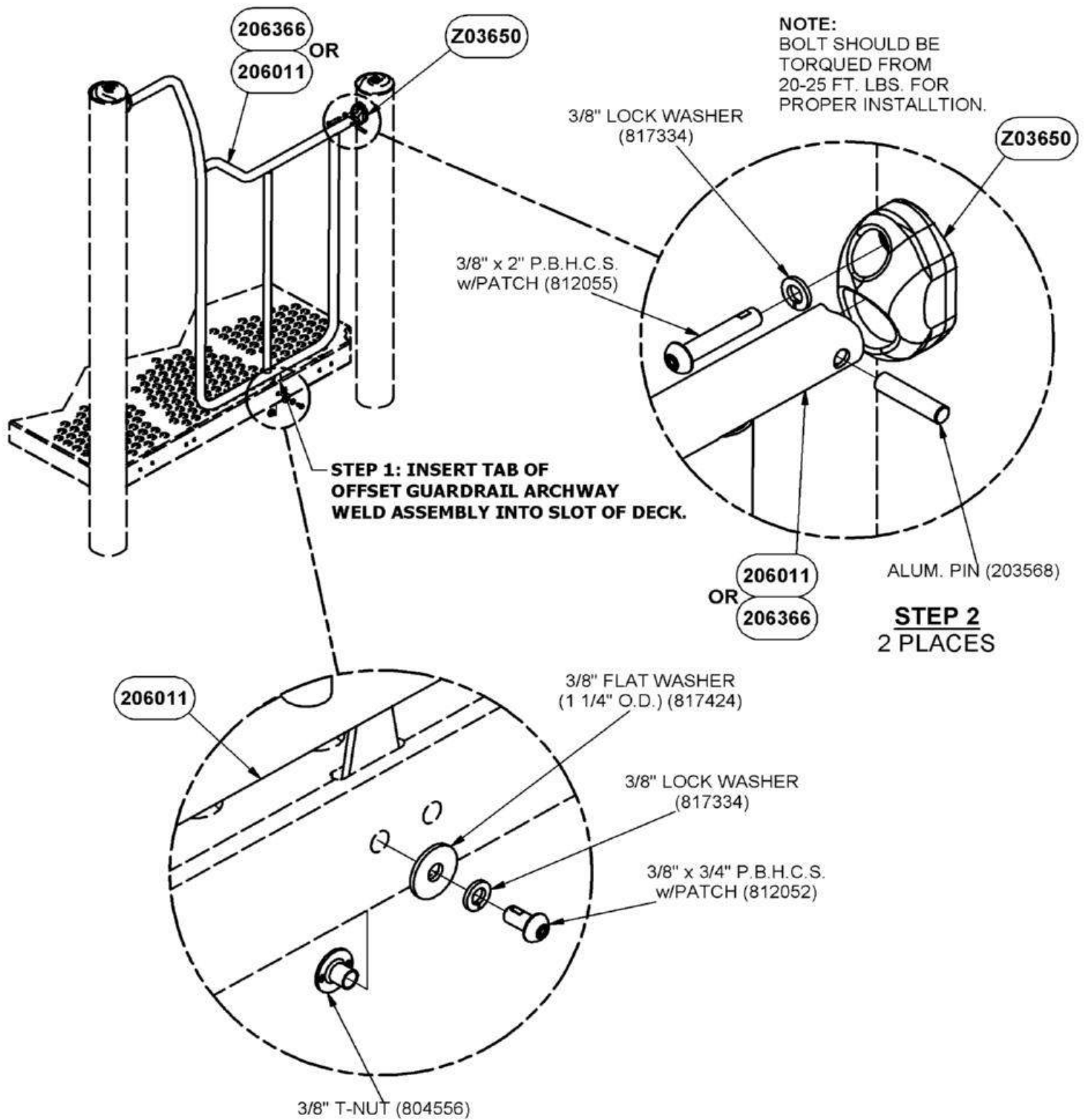
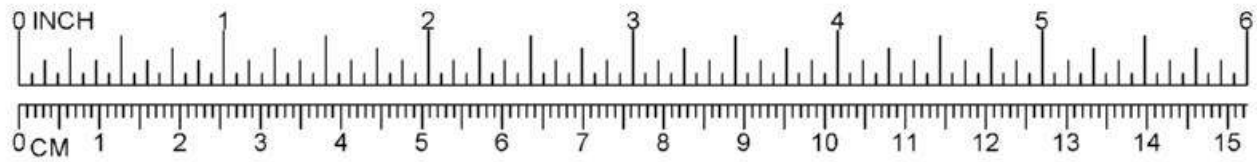


90335



90336

TOP VIEWS



**STEP 1: INSERT TAB OF
OFFSET GUARDRAIL ARCHWAY
WELD ASSEMBLY INTO SLOT OF DECK.**

NOTE:
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.

**STEP 2
2 PLACES**

STEP 3

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

PAGE 2

Parts List			
DESCRIPTION	90335	90336	PART NUMBER
TRU-LOC	2	2	Z03650
OFFSET GUARDRAIL ARCHWAY WELD ASSEMBLY	1	0	206011
OFFSET ARCHWAY w/INFILL WELD ASSEMBLY	0	1	206366
HARDWARE COMPLETE	1	1	203781
3/8" x 3/4" P.B.H.C.S. w/PATCH	1	1	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	1	1	817424*
3/8" LOCK WASHER	3	3	817334*
3/8" T-NUT	1	1	804556*
ALUM. PIN	2	2	203568*

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

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

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

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

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 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.

STORE WINDOW PANEL

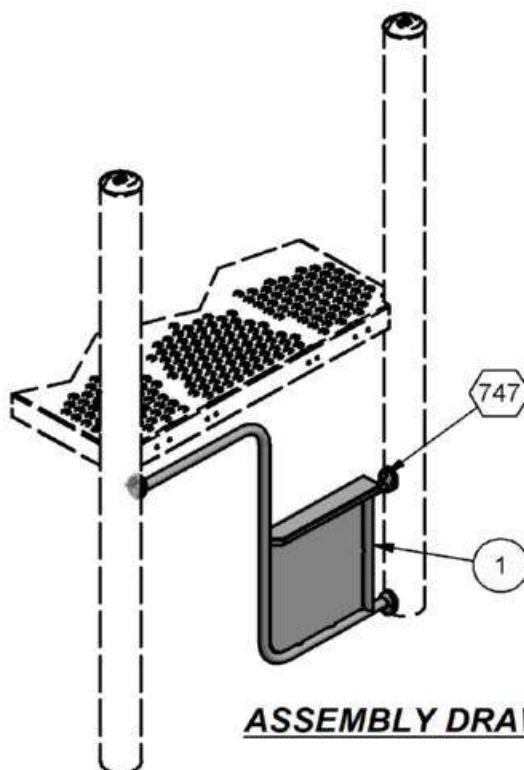
-  = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE



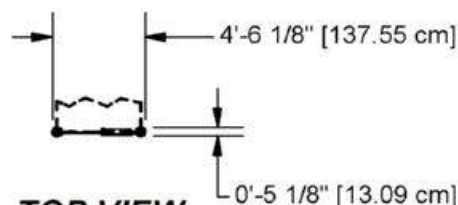
4'-0"
to
5'-0"



5'-6"
to
8'-0"



ASSEMBLY DRAWING



TOP VIEW

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	STORE WINDOW ASS'Y	1	203930
	TRU-LOC	3	A03650
	HARDWARE COMPLETE	1	203936
	3/8" x 2" P.B.H.C.S. w/PATCH	3	812055*
	3/8" LOCK WASHER	3	817334*
	ALUM. PIN	3	203568*

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

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

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

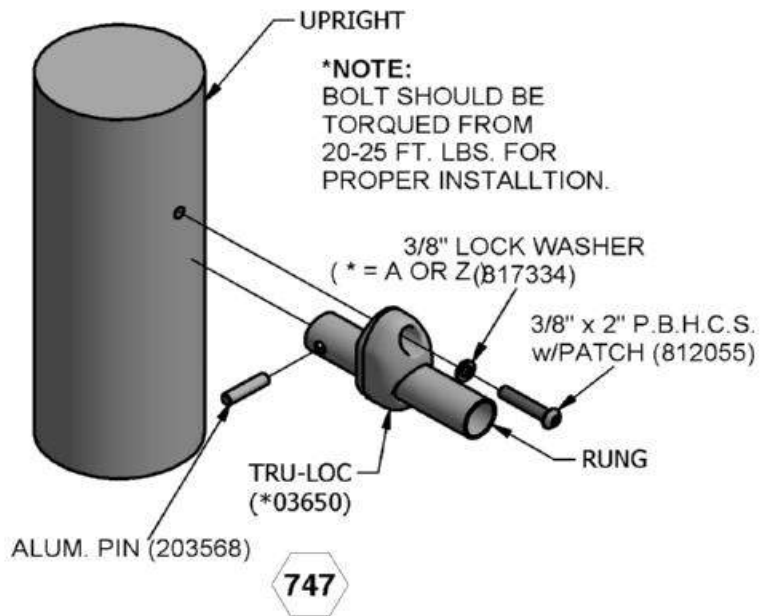
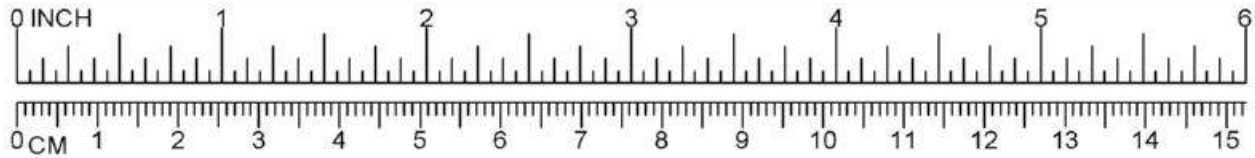
DETAILS -for- 90355

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.



PowerScape



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 4/27/2021

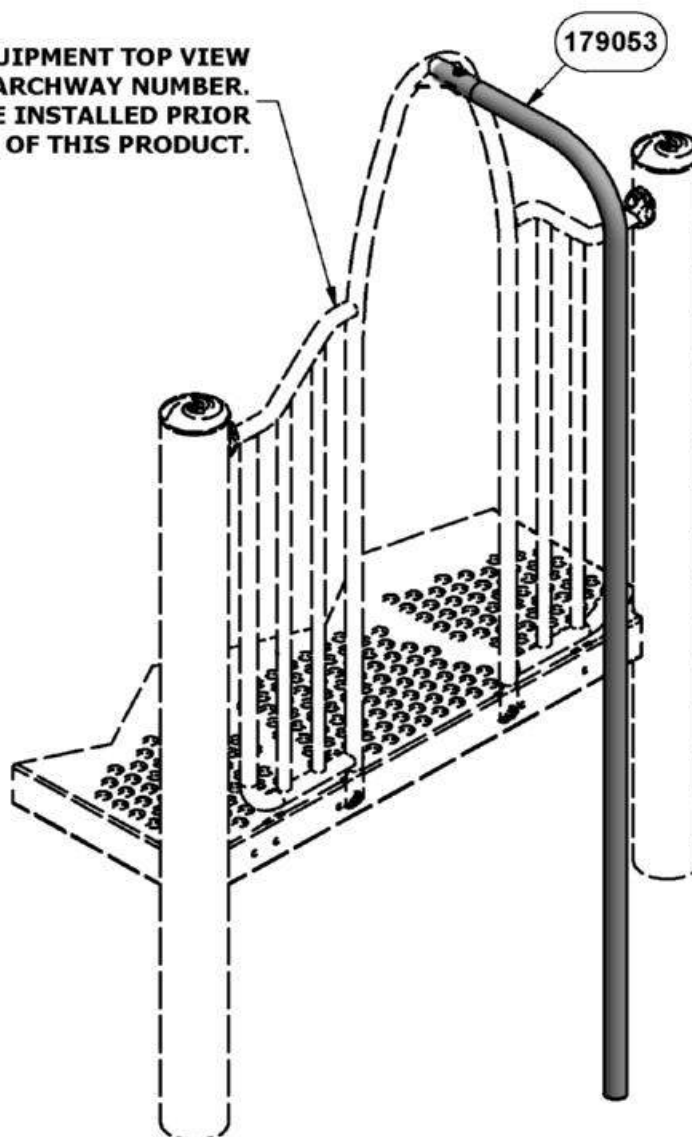
90370

CLIMBING POLE



2'-0" & 3'-0"	90370
4'-0" THRU 5'-0"	90371
5'-6" & 6'-0"	90372
2'-6" & 3'-6"	90373

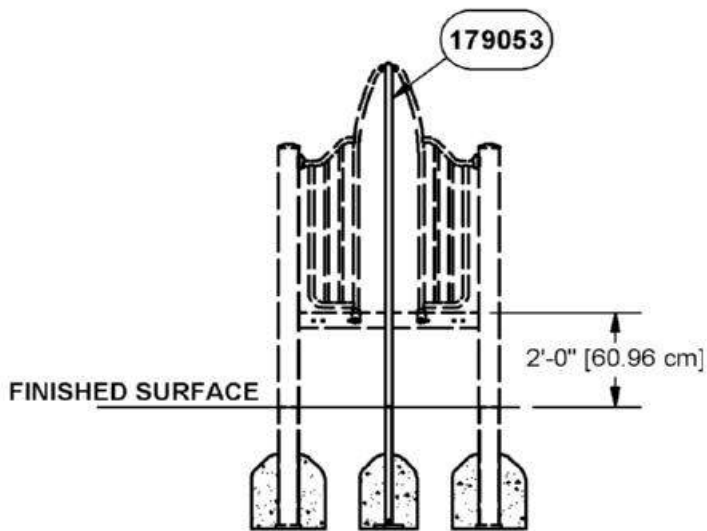
REFER TO MODULAR EQUIPMENT TOP VIEW
FOR CORRECT ARCHWAY NUMBER.
ARCHWAY MUST BE INSTALLED PRIOR
TO ATTACHMENT OF THIS PRODUCT.



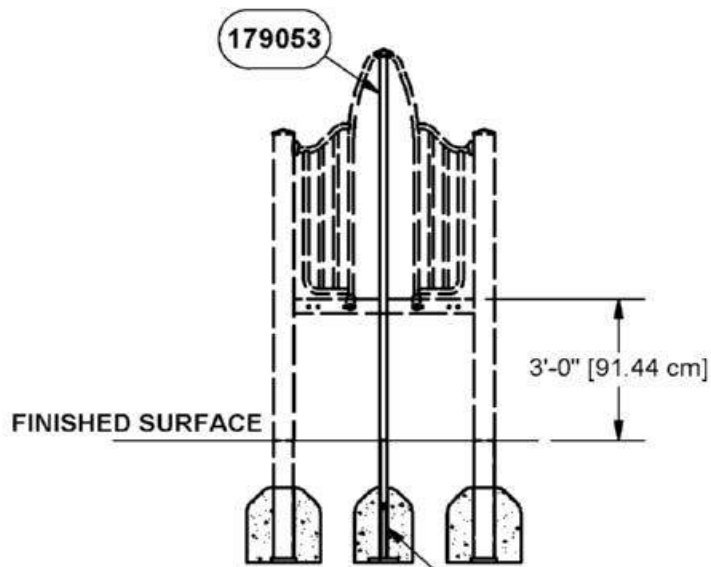
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

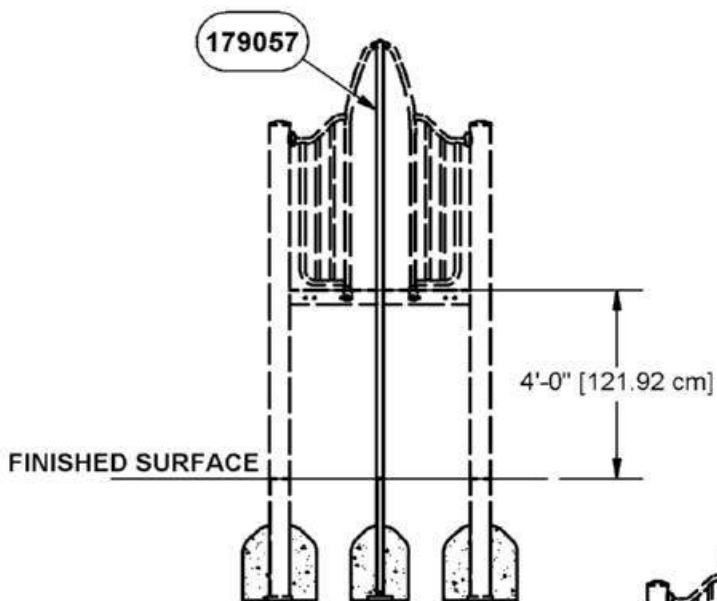
ASSEMBLY VIEW
90370 SHOWN



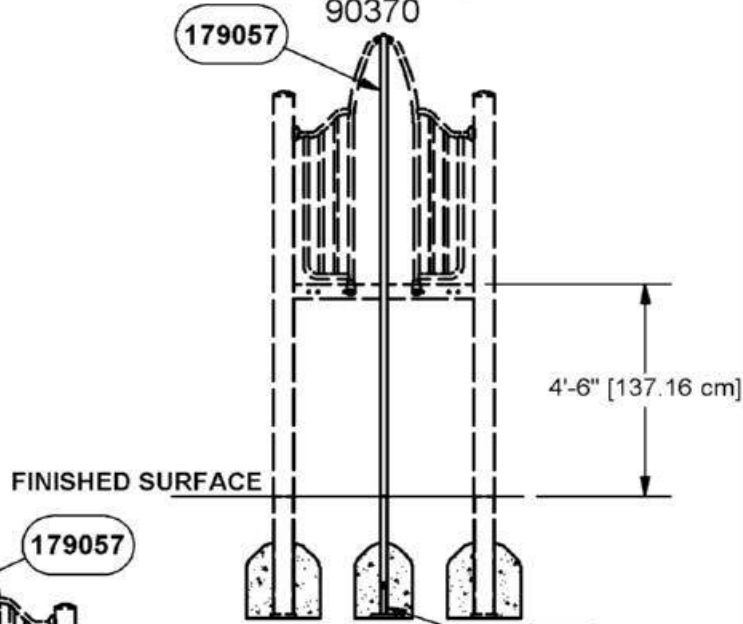
2'-0" VIEW
90370



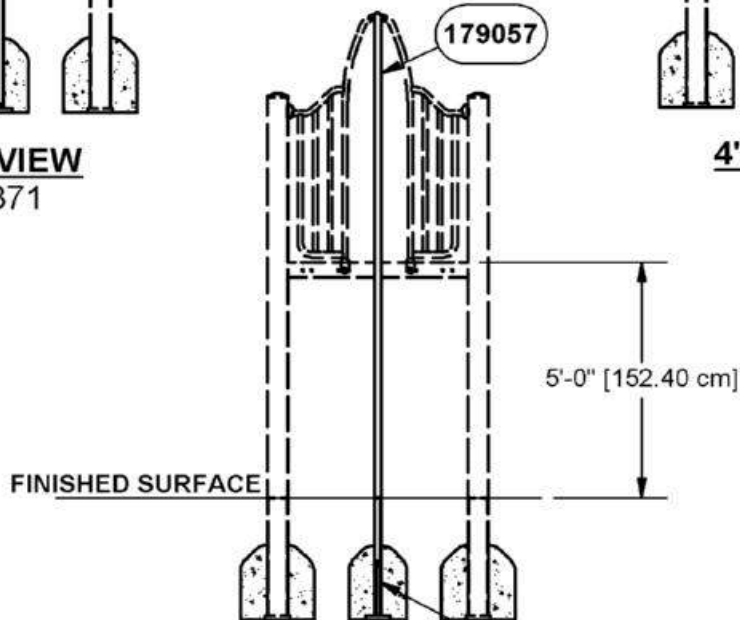
3'-0" VIEW
90370



4'-0" VIEW
90371

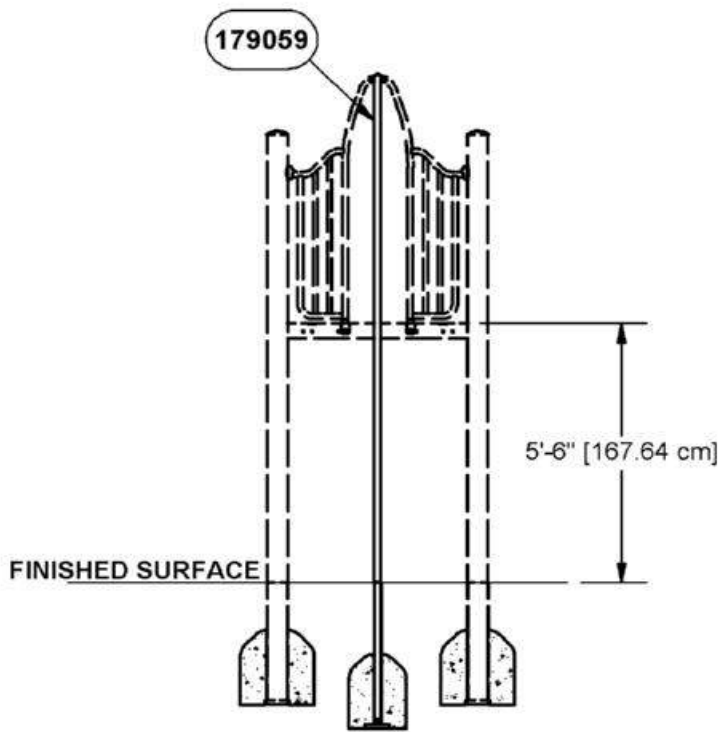


4'-6" VIEW
90371

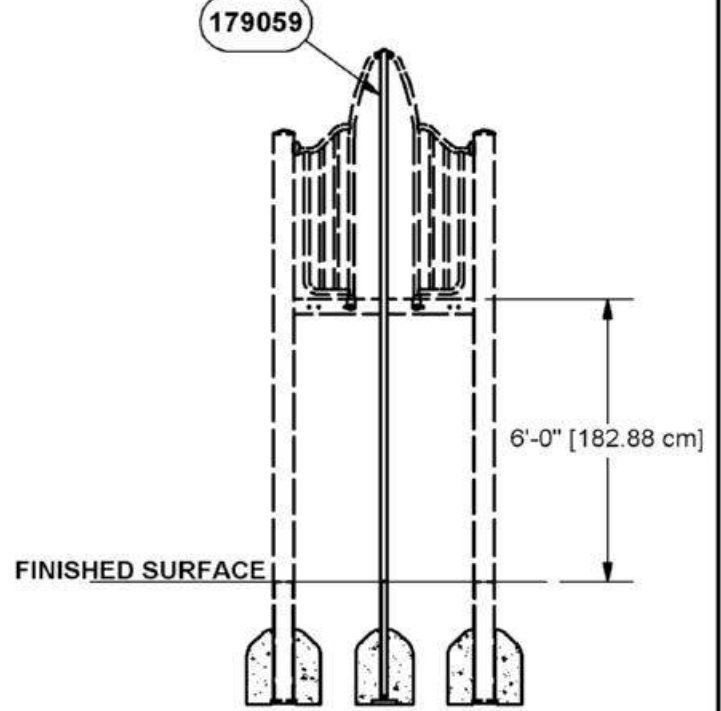


5'-0" VIEW
90371

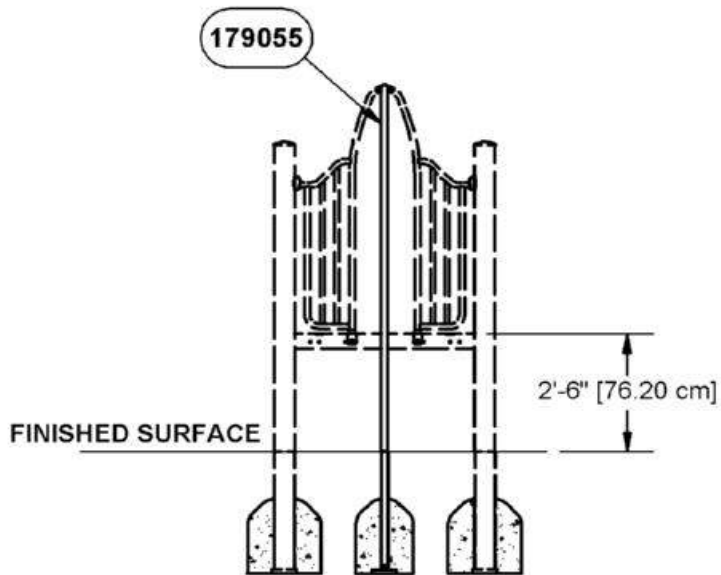
**DECK HEIGHT
ELEVATIONS**



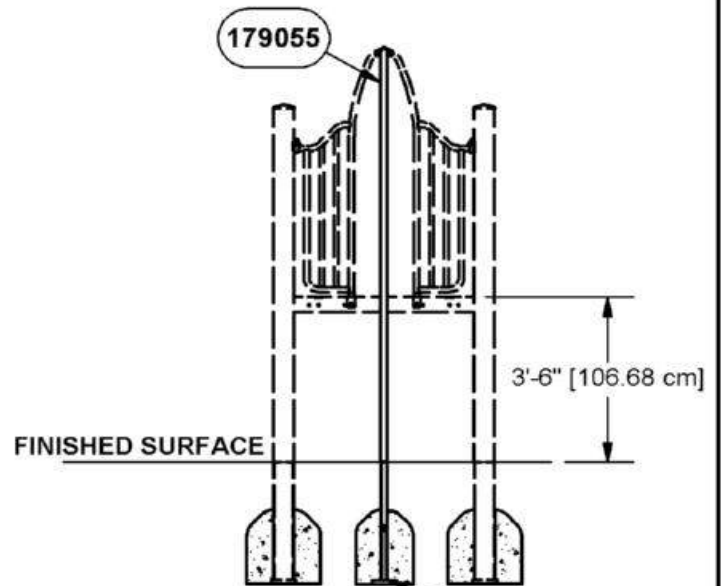
5'-6" VIEW
90372



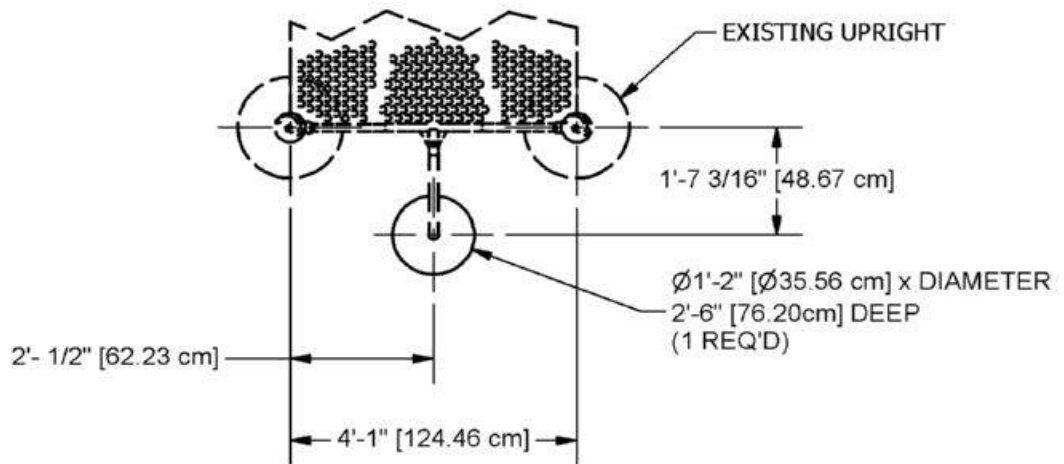
6'-0" VIEW
90372



2'-6" VIEW
90373



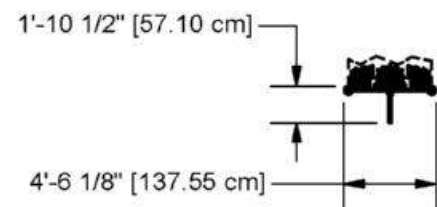
3'-6" VIEW
90373



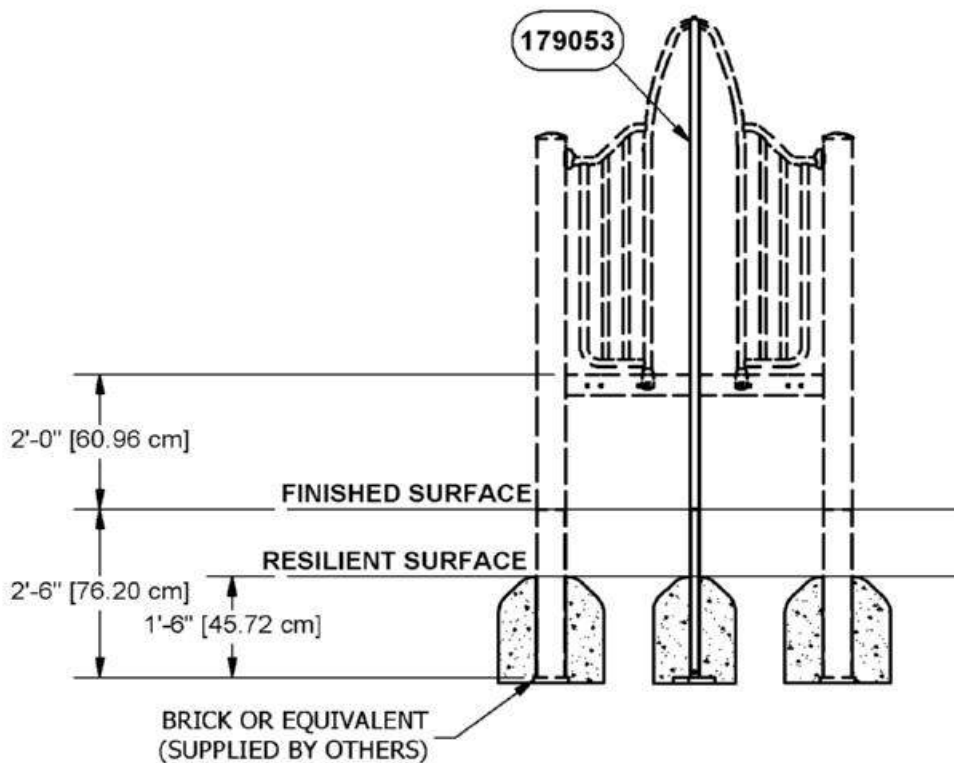
PLAN VIEW
2'-0" SHOWN
OTHERS SIMILAR

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

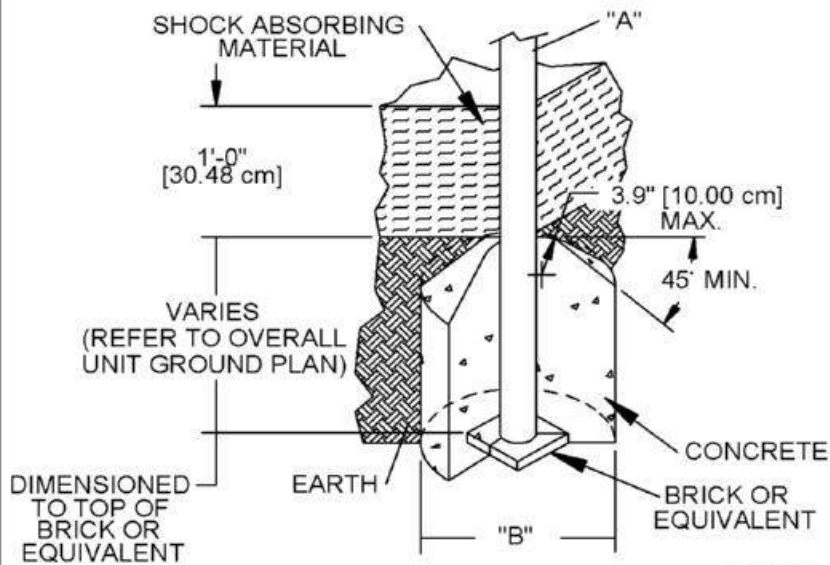
CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]



TOP VIEW
2'-0" SHOWN
OTHERS SIMILAR



ELEVATION VIEW
2'-0" SHOWN
OTHERS SIMILAR



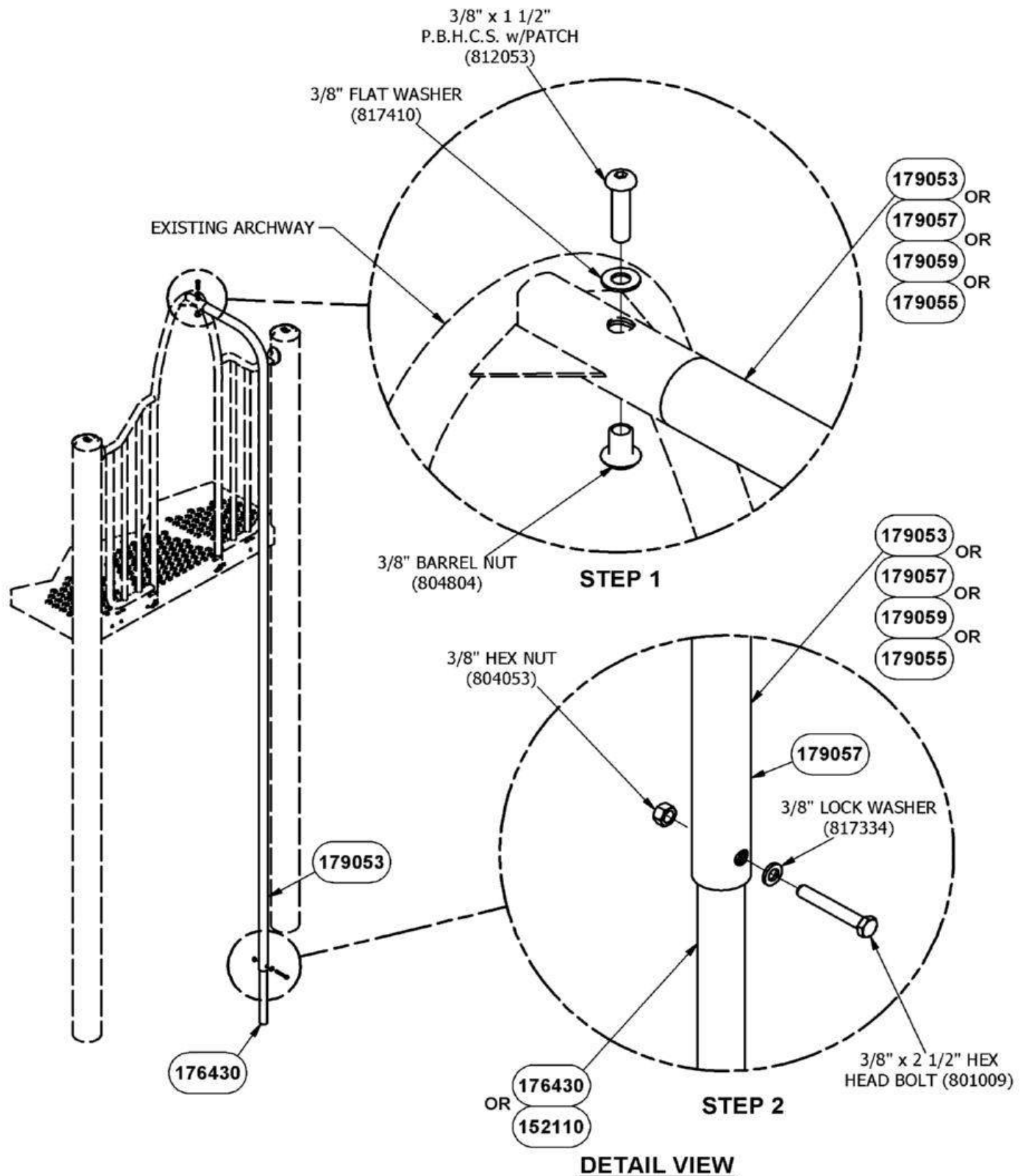
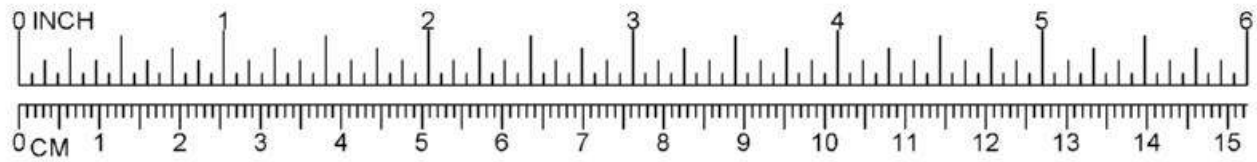
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

Parts List					
DESCRIPTION	90370	90371	90372	90373	PART NUMBER
CLIMBING POLE	1	0	0	0	179053
CLIMBING POLE	0	1	0	0	179057
CLIMBING POLE	0	0	1	0	179059
CLIMBING POLE	0	0	0	1	179055
HARDWARE COMPLETE	1	1	0	1	204361
HARDWARE COMPLETE	0	0	1	0	211371
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	812053*
3/8" x 2 1/2" HEX HEAD BOLT	1	1	1	1	801009*
3/8" FLAT WASHER	1	1	1	1	817410*
3/8" LOCK WASHER	1	1	1	1	817334*
3/8" BARREL NUT	1	1	1	1	804804*
3/8" HEX NUT	1	1	1	1	804053*
EXTENSION 14" LG.	1	1	0	1	176430*
EXTENSION 8" LG.	0	1	0	0	152110*

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

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

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

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

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.

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 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.

ADA PUNCHED STEEL WALKWAY



90406 - 1'-0" TO 5'-0"
90407
90408 - 1'-6" TO 5'-0"
90409
90686
90687
90688
90692
90693
90694

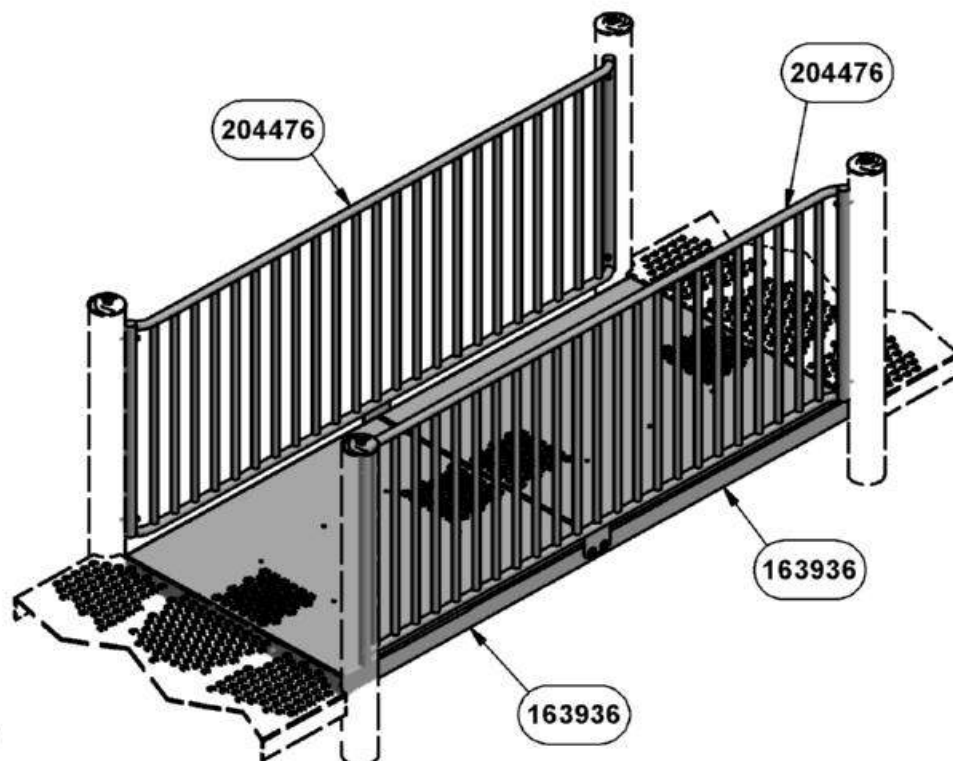


ALL

(BARRIER) 2 DECK SPAN 1'-0" THRU 8'-0"	90406
(GUARDRAIL) 2 DECK SPAN 1'-0"	90407
(BARRIER) 3 DECK SPAN 1'-0" THRU 8'-0"	90408
(GUARDRAIL) 3 DECK SPAN 1'-0"	90409
(GUARDRAIL) 2 DECK SPAN 1'-6"	90686
(GUARDRAIL) 2 DECK SPAN 2'-0"	90687
(GUARDRAIL) 2 DECK SPAN 2'-6"	90688
(GUARDRAIL) 2 DECK SPAN 3'-0"	90689
(GUARDRAIL) 2 DECK SPAN 3'-6"	90690
(GUARDRAIL) 2 DECK SPAN 4'-0"	90691
(GUARDRAIL) 3 DECK SPAN 1'-6"	90692
(GUARDRAIL) 3 DECK SPAN 2'-0"	90693
(GUARDRAIL) 3 DECK SPAN 2'-6"	90694
(GUARDRAIL) 3 DECK SPAN 3'-0"	90695
(GUARDRAIL) 3 DECK SPAN 3'-6"	90696
(GUARDRAIL) 3 DECK SPAN 4'-0"	90697

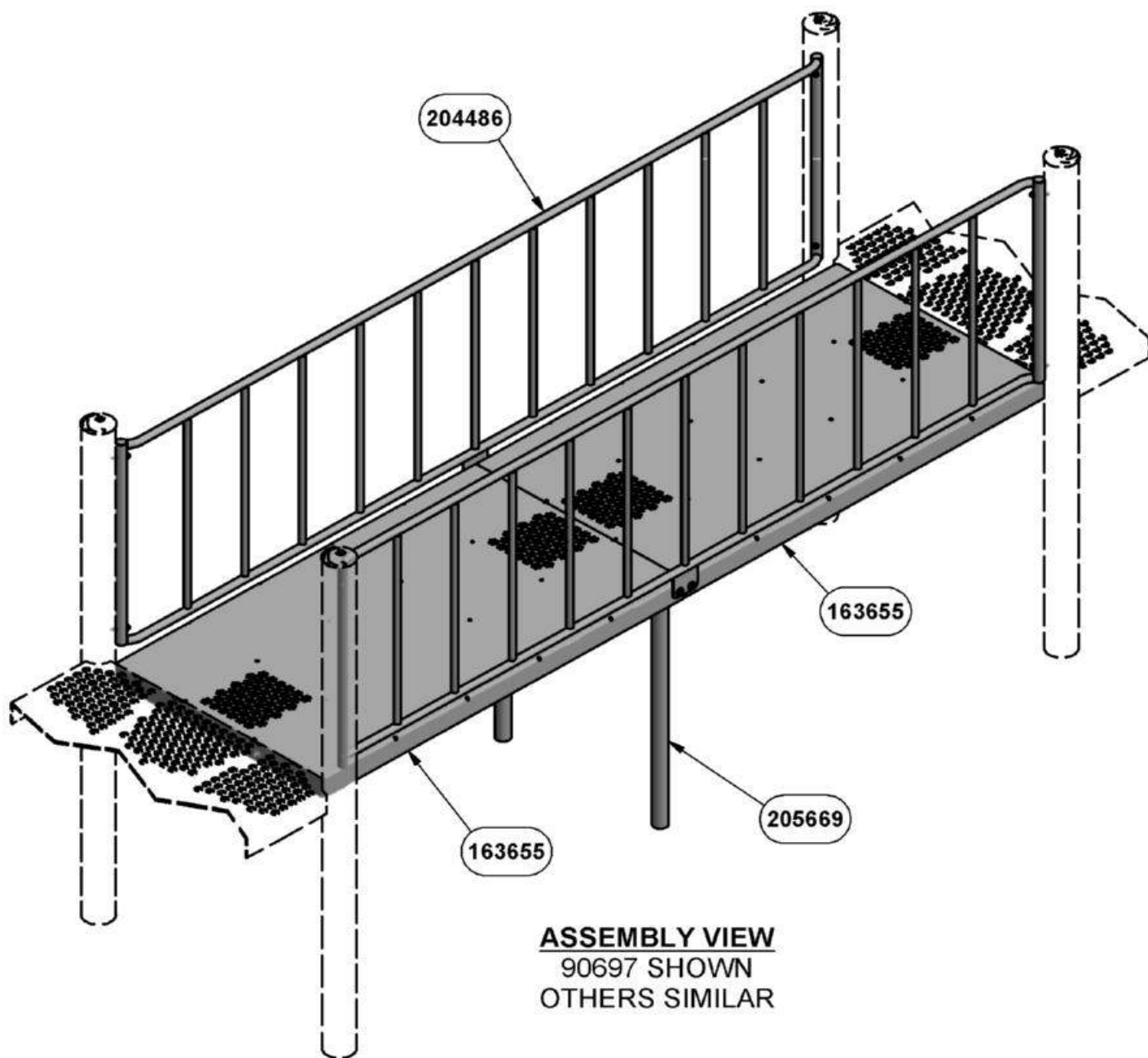
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

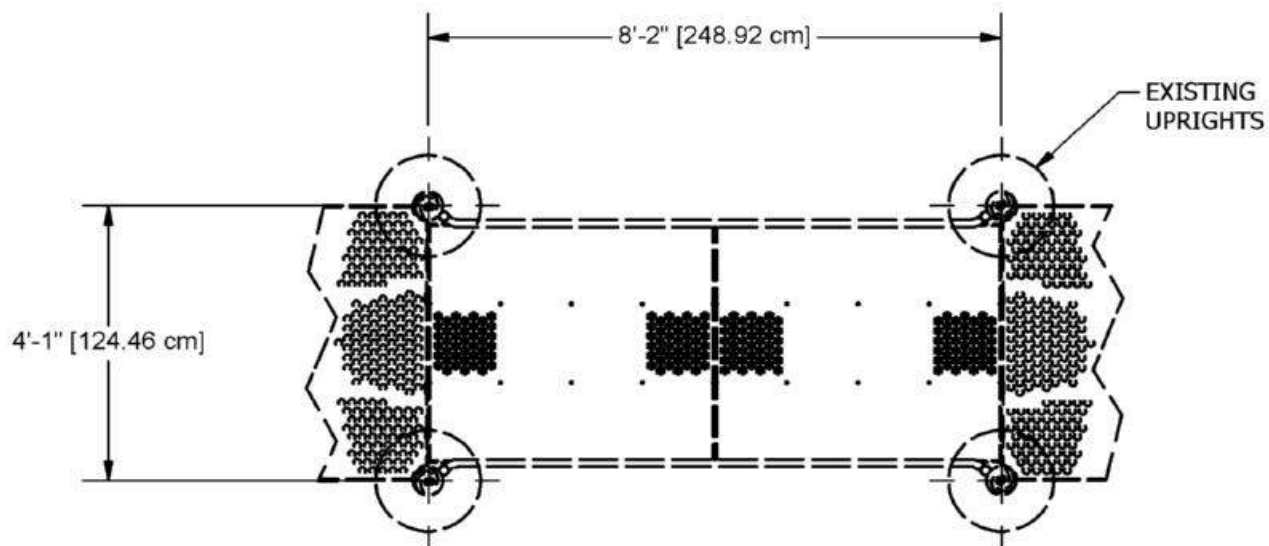


ASSEMBLY VIEW

90406 SHOWN
90408 SIMILAR

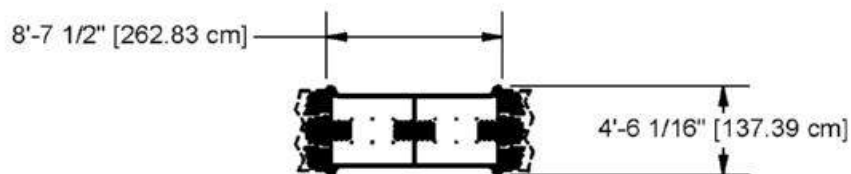


ASSEMBLY VIEW
90697 SHOWN
OTHERS SIMILAR



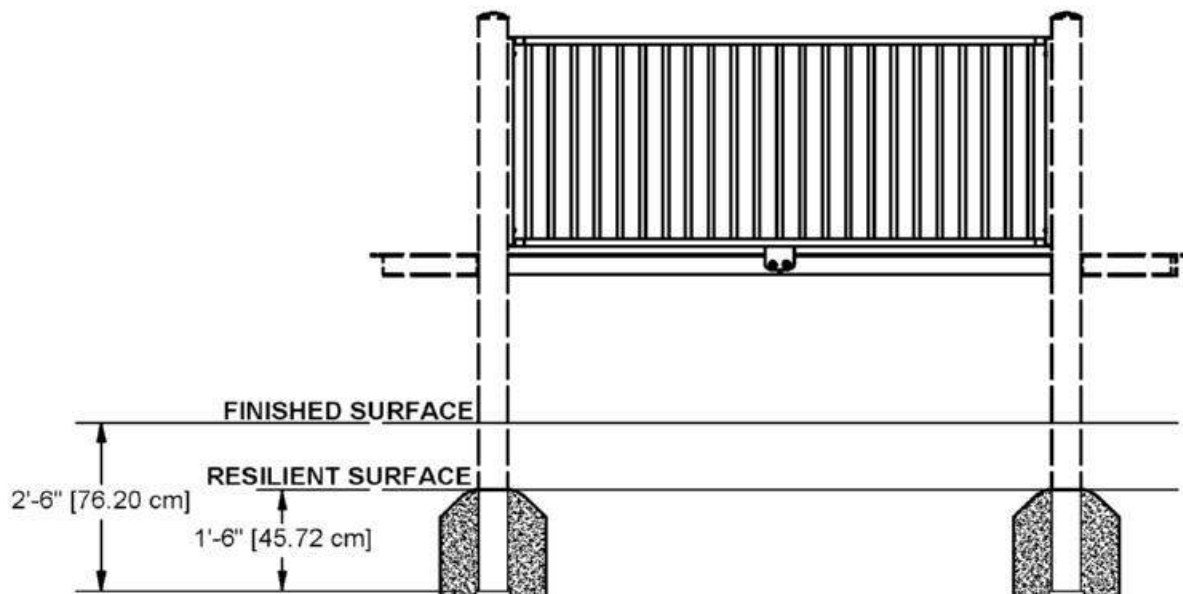
PLAN VIEW

90406 / 90407 / 90686 / 90687 /
90688 / 90689 / 90690 / 90691



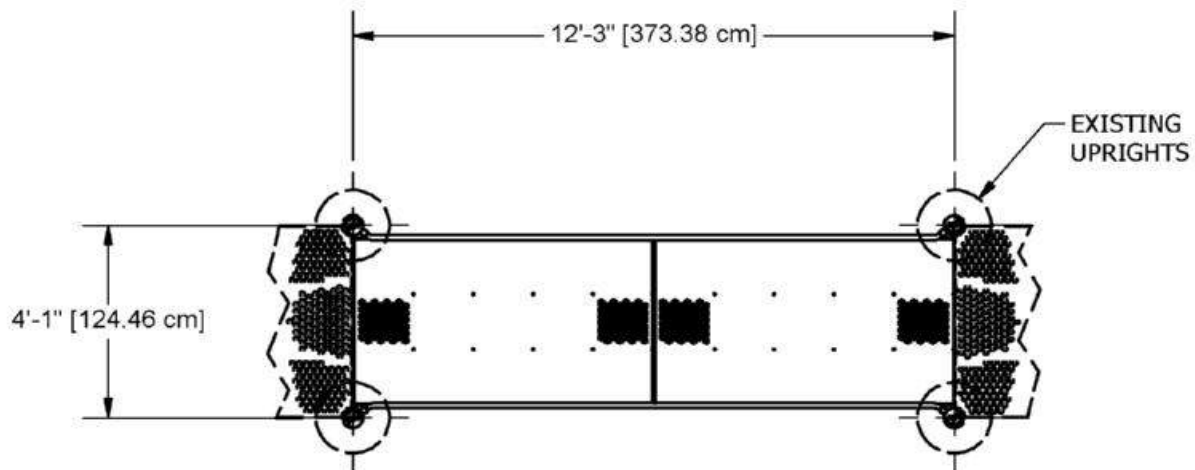
TOP VIEW

90406 / 90407 / 90686 / 90687 /
90688 / 90689 / 90690 / 90691



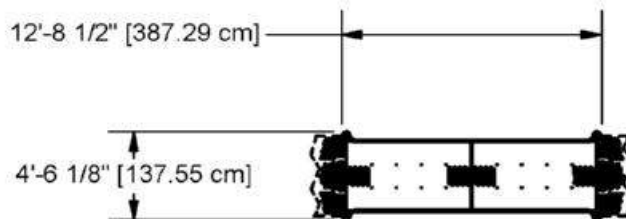
ELEVATION VIEW

90406 / 90407 / 90686 / 90687 /
90688 / 90689 / 90690 / 90691



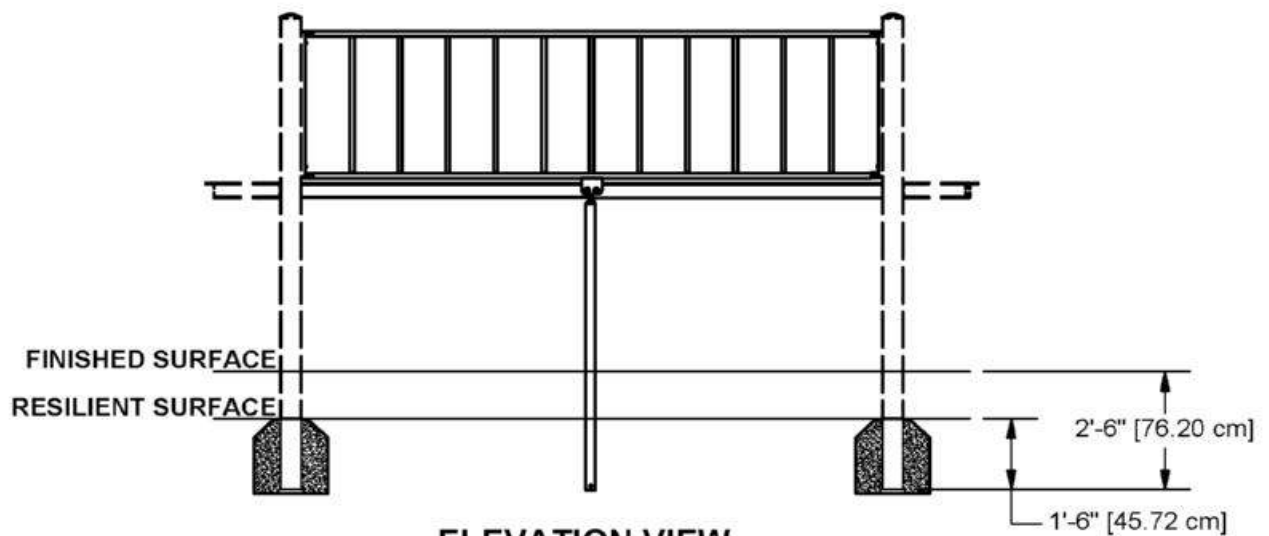
PLAN VIEW

90408 / 90409 / 90692 / 90693 /
90694 / 90695 / 90696 / 90697



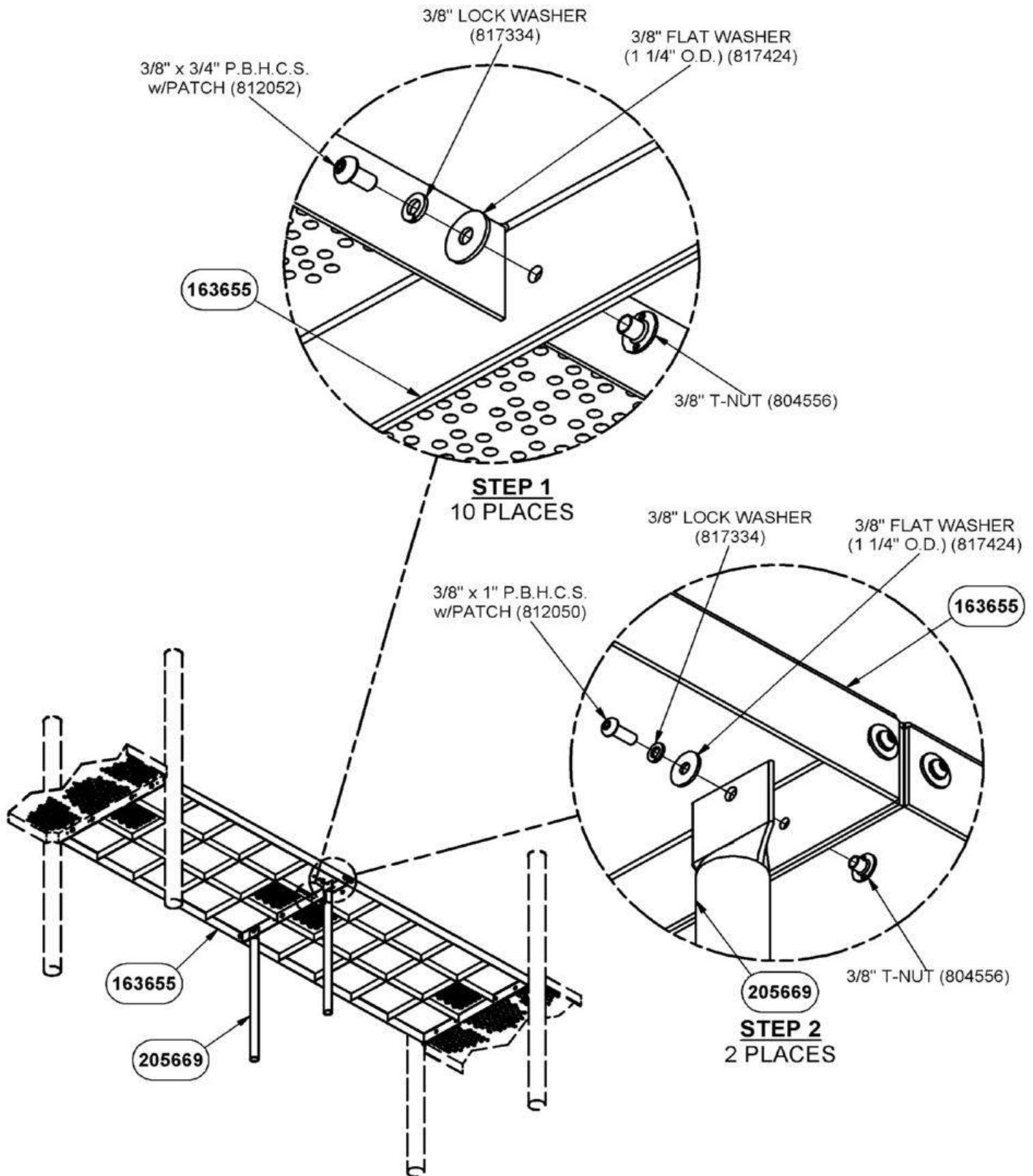
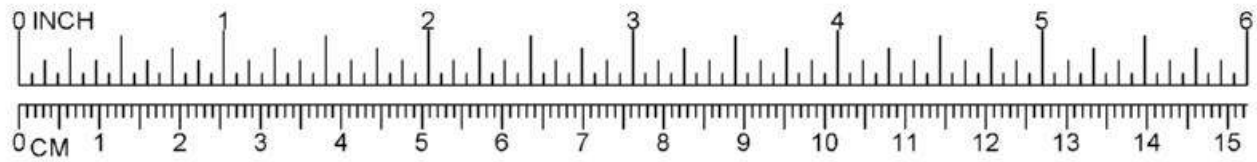
TOP VIEW

90408 / 90409 / 90692 / 90693 /
90694 / 90695 / 90696 / 90697



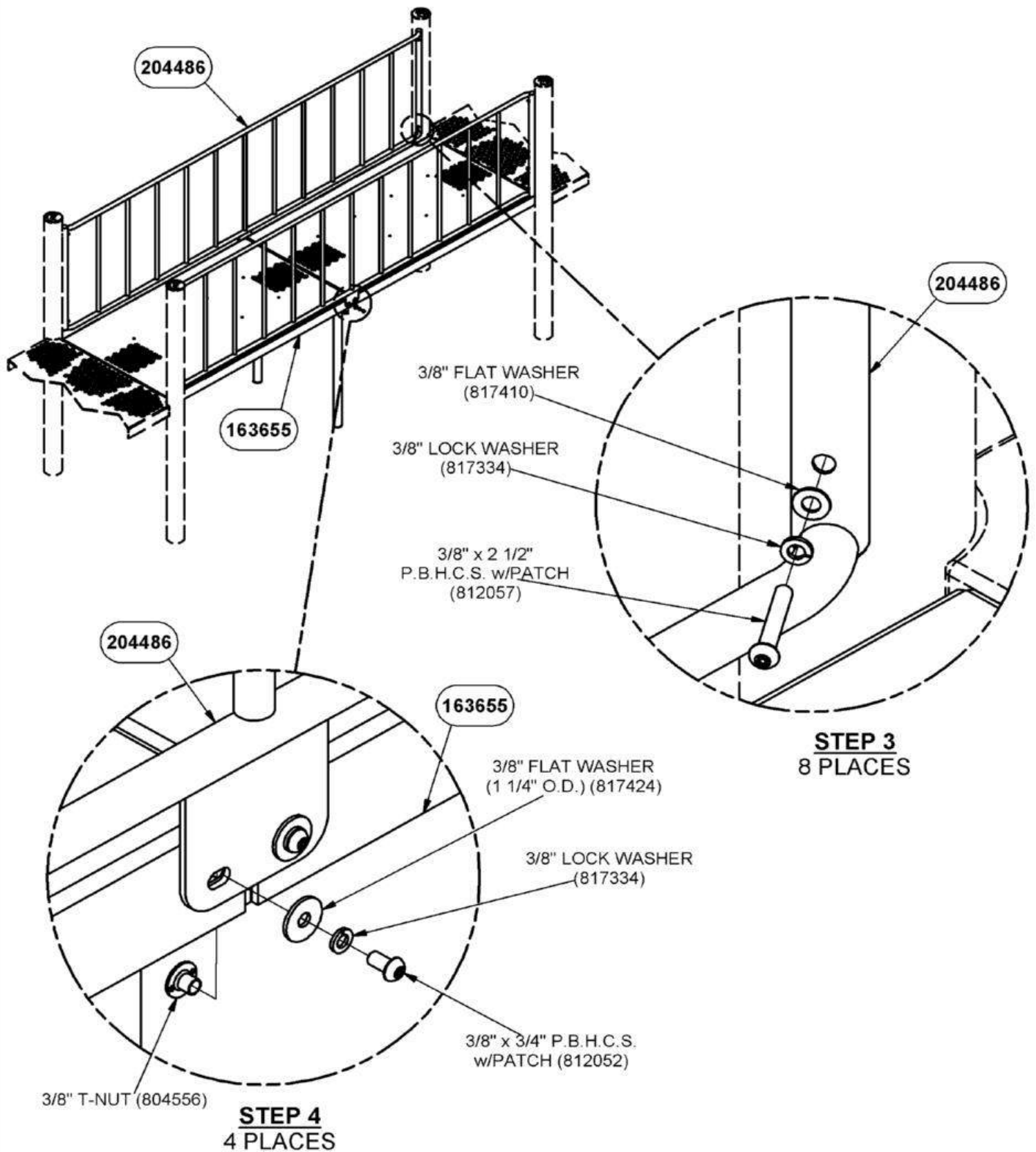
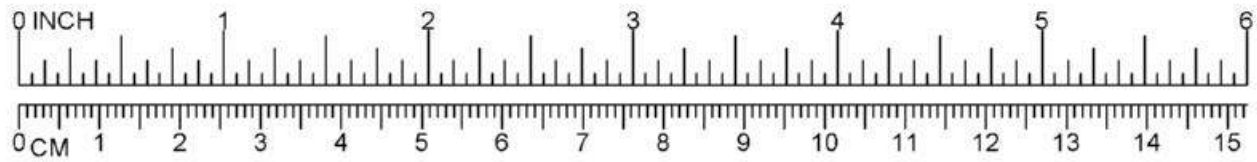
ELEVATION VIEW

90408 / 90409 / 90692 / 90693 /
90694 / 90695 / 90696 / 90697



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

PAGE 6

DETAIL VIEW

Parts List					
DESCRIPTION	90406	90407	90408	90409	PART NUMBER
ADA RAMP	2	2	0	0	163936
ADA RAMP	0	0	2	2	163655
2 DECK SPAN GUARDRAIL WELD ASSEMBLY	0	2	0	0	204481
2 DECK SPAN BARRIER WELD ASSEMBLY	2	0	0	0	204476
3 DECK SPAN BARRIER WELD ASSEMBLY	0	0	2	0	204483
3 DECK SPAN GUARDRAIL WELD ASSEMBLY	0	0	0	2	204486
GROUND SUPPORT	0	2	0	2	205434
GROUND SUPPORT	0	0	0	0	205420
GROUND SUPPORT	0	0	0	0	205416
GROUND SUPPORT	0	0	0	0	205424
GROUND SUPPORT	0	0	0	0	205418
GROUND SUPPORT	0	0	0	0	205428
GROUND SUPPORT	0	0	0	0	205669
HARDWARE COMPLETE	1	0	1	0	164894
HARDWARE COMPLETE	0	1	0	1	205832
3/8" x 3/4" P.B.H.C.S. w/PATCH	16	14	16	14	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	0	2	0	2	812050*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
3/8" FLAT WASHER	8	8	8	8	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
3/8" LOCK WASHER	24	24	24	24	817334*
3/8" T-NUT	16	16	16	16	804556*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

MAINTENANCE PROCEDURE:

- Periodically check hardware for tightness, and tighten as necessary.
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Parts List							
DESCRIPTION	90686	90687	90688	90689	90690	90691	PART NUMBER
ADA RAMP	2	2	2	2	2	2	163936
ADA RAMP	0	0	0	0	0	0	163655
2 DECK SPAN GUARDRAIL WELD ASSEMBLY	2	2	2	2	2	2	204481
2 DECK SPAN BARRIER WELD ASSEMBLY	0	0	0	0	0	0	204476
3 DECK SPAN GUARDRAIL WELD ASSEMBLY	0	0	0	0	0	0	204486
3 DECK SPAN BARRIER WELD ASSEMBLY	0	0	0	0	0	0	204483
GROUND SUPPORT	2	0	0	0	0	0	205420
GROUND SUPPORT	0	2	0	0	0	2	205416
GROUND SUPPORT	0	0	2	0	0	0	205424
GROUND SUPPORT	0	0	0	2	0	0	205418
GROUND SUPPORT	0	0	0	0	2	0	205428
GROUND SUPPORT	0	0	0	0	0	2	205669
GROUND SUPPORT	0	0	0	0	0	0	205434
HARDWARE COMPLETE	0	0	0	0	0	0	164894
HARDWARE COMPLETE	1	1	1	1	1	1	205832
3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	14	14	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812050*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	8	8	812057*
3/8" FLAT WASHER	8	8	8	8	8	8	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	16	817424*
3/8" LOCK WASHER	24	24	24	24	24	24	817334*
3/8" T-NUT	16	16	16	16	16	16	804556*

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Parts List							
DESCRIPTION	90692	90693	90694	90695	90696	90697	PART NUMBER
ADA RAMP	0	0	0	0	0	0	163936
ADA RAMP	2	2	2	2	2	2	163655
2 DECK SPAN BARRIER WELD ASSEMBLY	0	0	0	0	0	0	204476
2 DECK SPAN GUARDRAIL WELD ASSEMBLY	0	0	0	0	0	0	204481
3 DECK SPAN BARRIER WELD ASSEMBLY	0	0	0	0	0	0	204483
3 DECK SPAN GUARDRAIL WELD ASSEMBLY	2	2	2	2	2	2	204486
GROUND SUPPORT	0	0	0	0	0	0	205434
GROUND SUPPORT	2	0	0	0	0	0	205420
GROUND SUPPORT	0	2	0	0	0	0	205416
GROUND SUPPORT	0	0	2	0	0	0	205424
GROUND SUPPORT	0	0	0	2	0	0	205418
GROUND SUPPORT	0	0	0	0	2	0	205428
GROUND SUPPORT	0	0	0	0	0	2	205669
HARDWARE COMPLETE	0	0	0	0	0	0	164894
HARDWARE COMPLETE	1	1	1	1	1	1	205832
3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	14	14	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812050*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	8	8	812057*
3/8" FLAT WASHER	8	8	8	8	8	8	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	16	817424*
3/8" LOCK WASHER	24	24	24	24	24	24	817334*
3/8" T-NUT	16	16	16	16	16	16	804556*

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PowerScape

90466

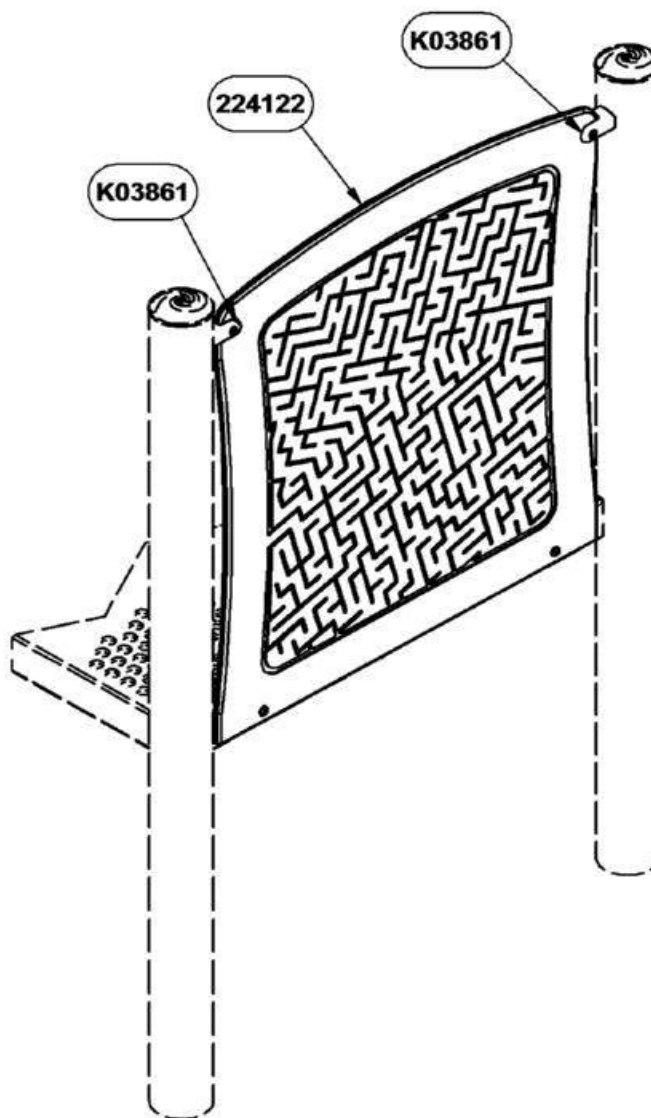
GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 5/10/2024

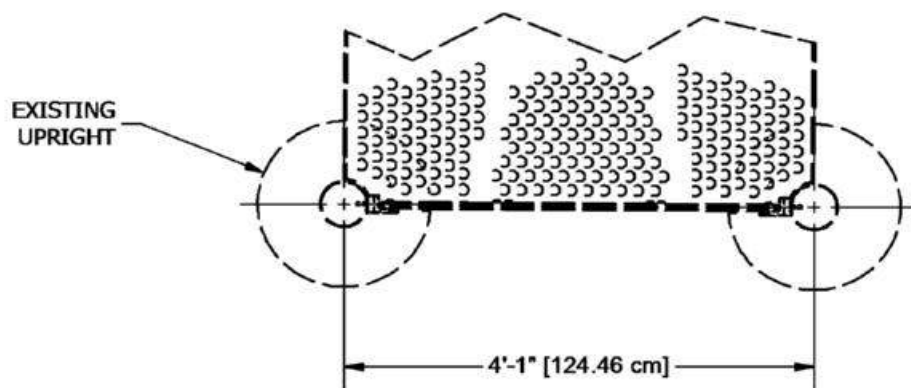
MAZE TIME PANEL



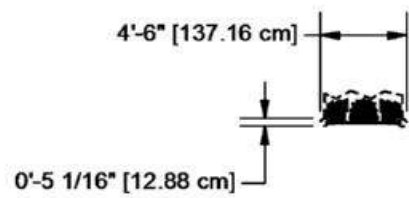
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

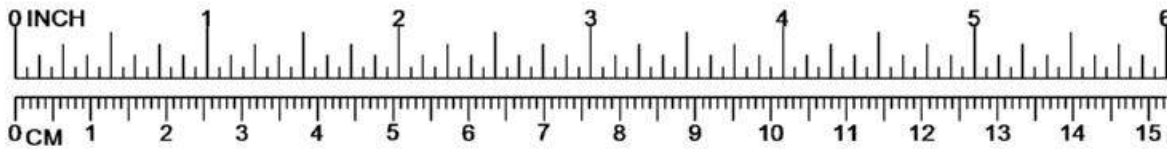
ASSEMBLY VIEW



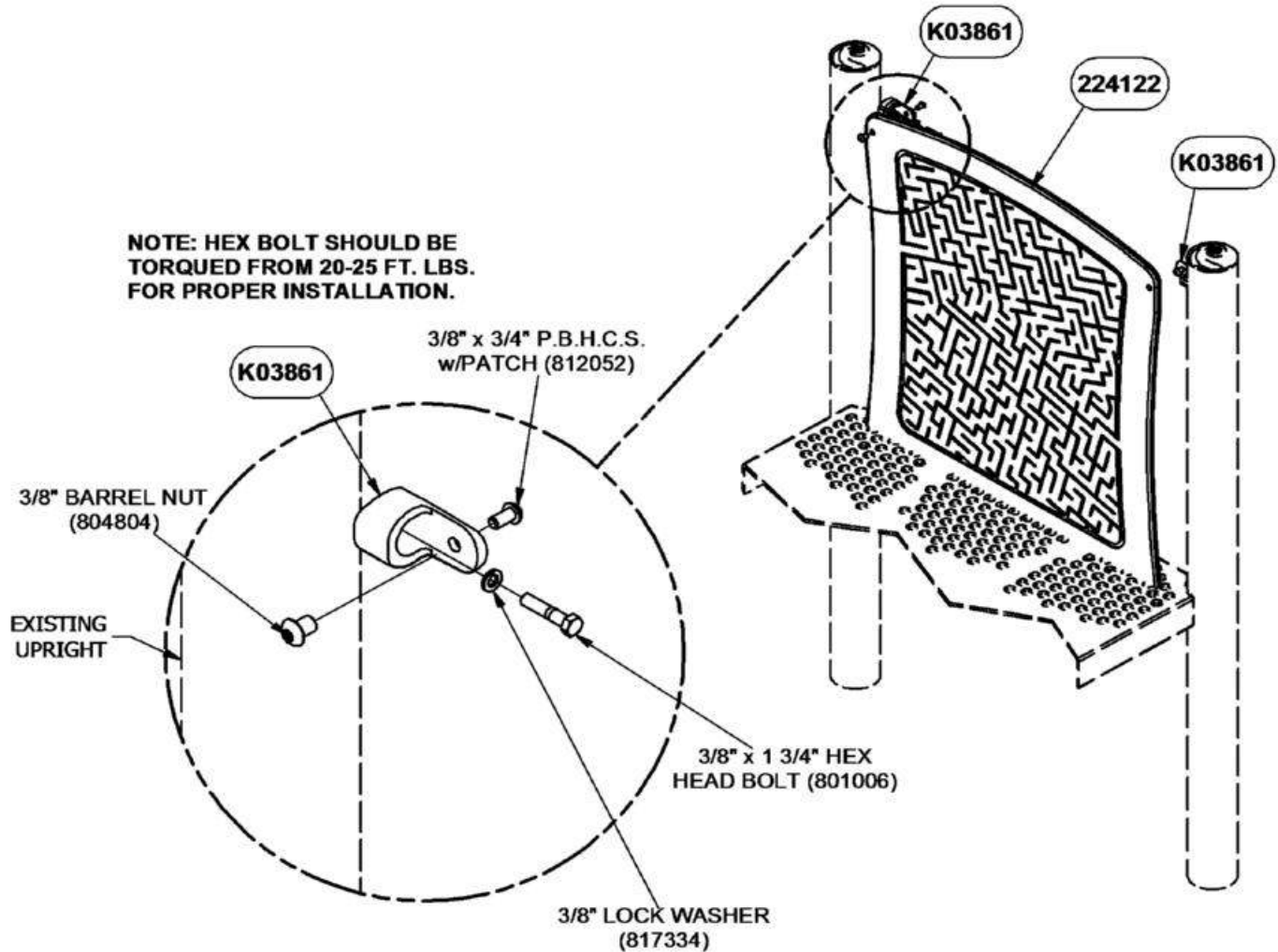
PLAN VIEW



TOP VIEW



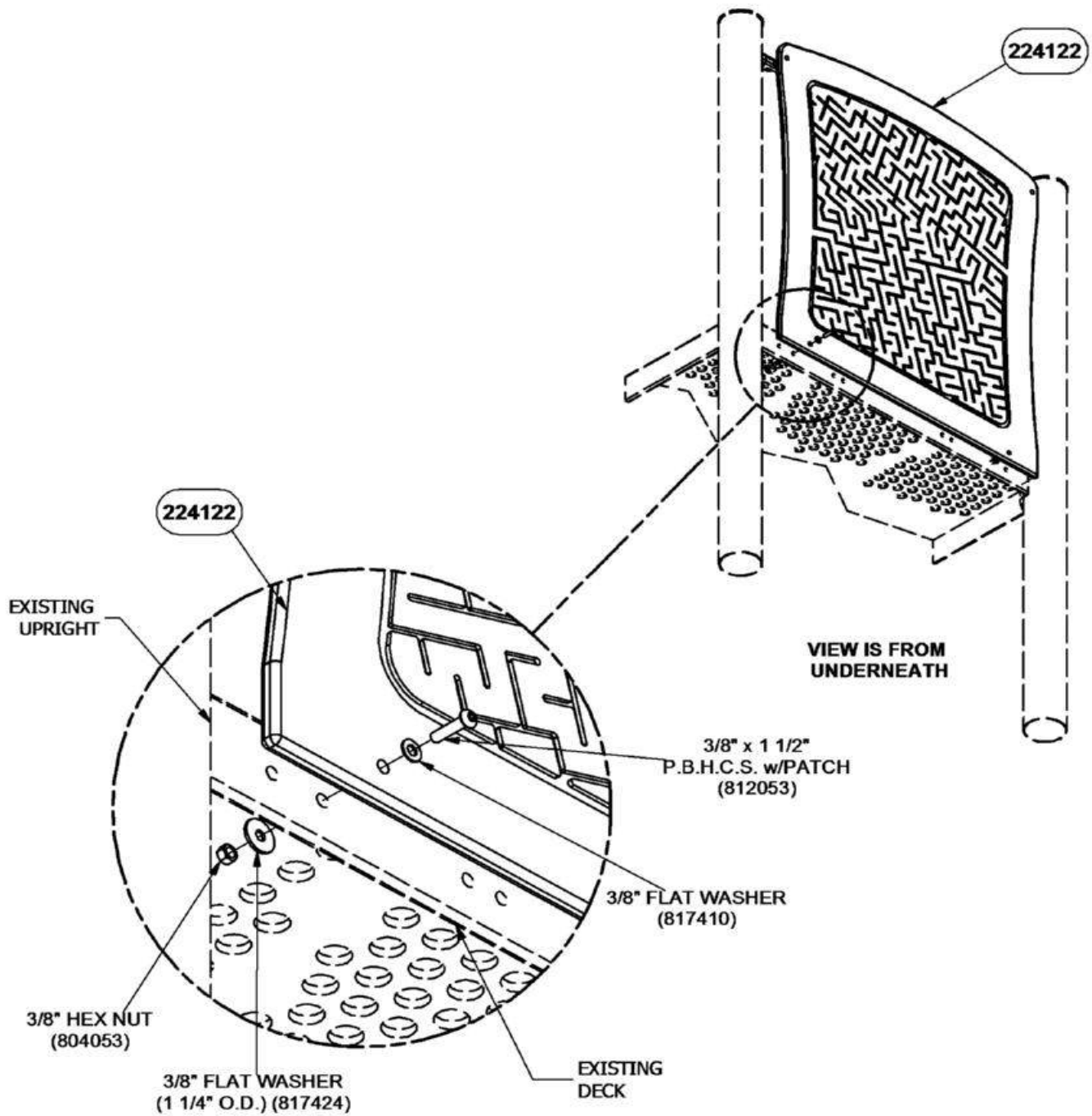
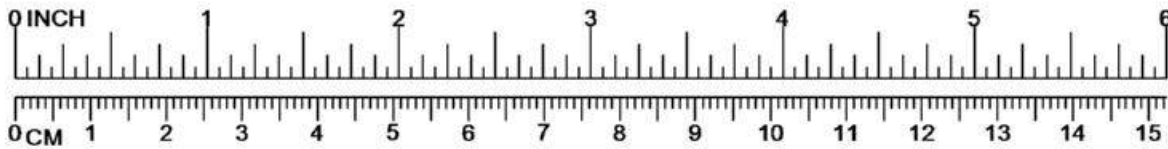
NOTE: HEX BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.



STEP 1
2 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



STEP 2
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
MAZE PANEL	1	224122
TRU-LOC PANEL ATTACHMENT	2	K03861
HARDWARE COMPLETE	1	224455
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053*
3/8" x 1 3/4" HEX HEAD BOLT	2	801006*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" FLAT WASHER	2	817410*
3/8" LOCK WASHER	2	817334*
3/8" HEX NUT	2	804053*
3/8" BARREL NUT	2	804804*

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

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

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

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PowerScape®

90508

GameTime®

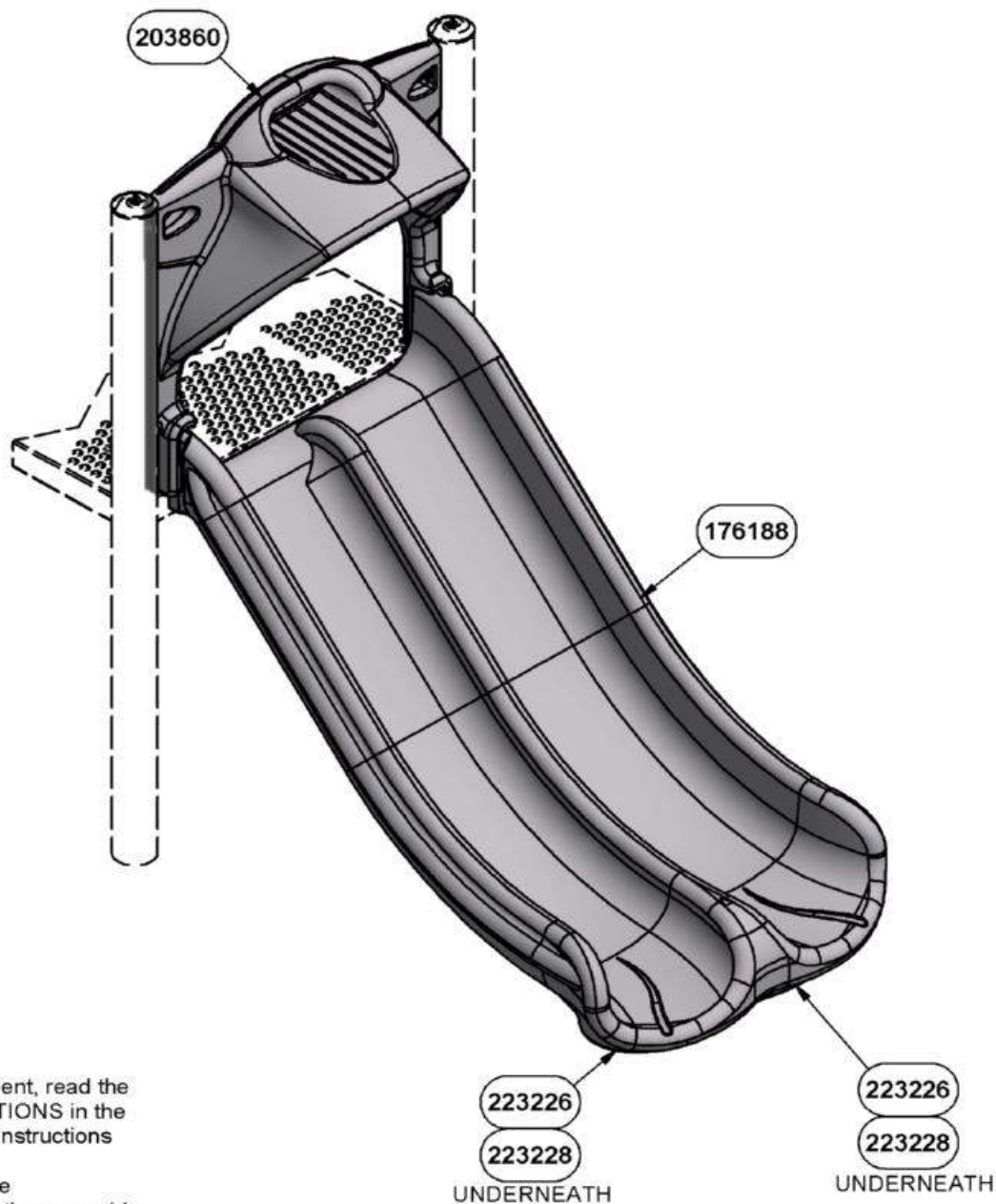
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ISSUED/REVISED: 3/8/2024

DOUBLE ZIP SLIDE

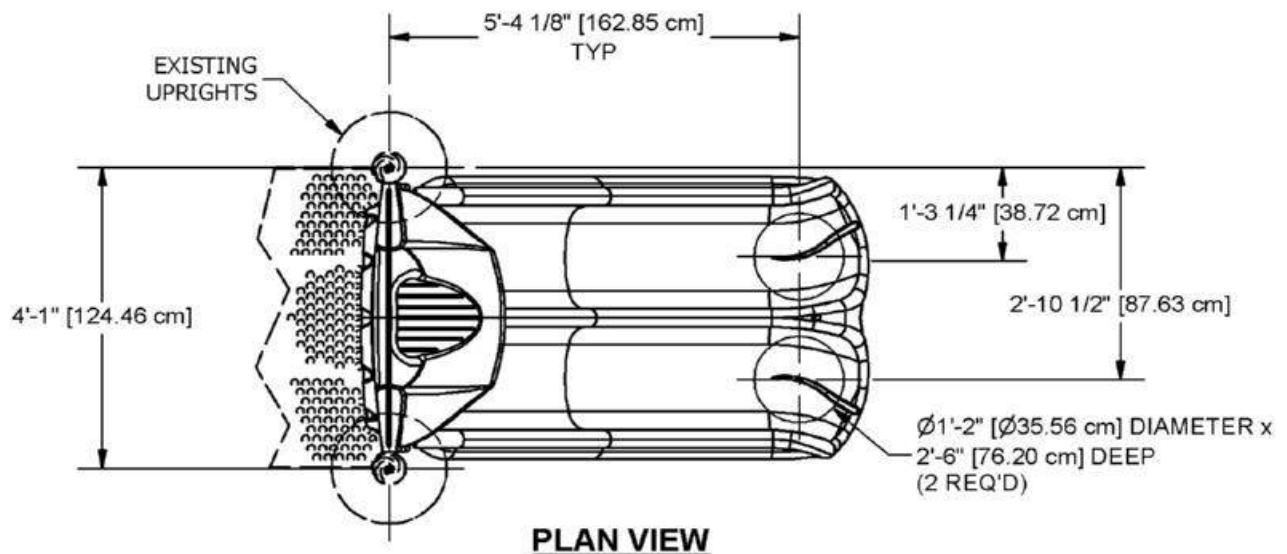
4'-0" 90508



INSTALLATION INSTRUCTIONS

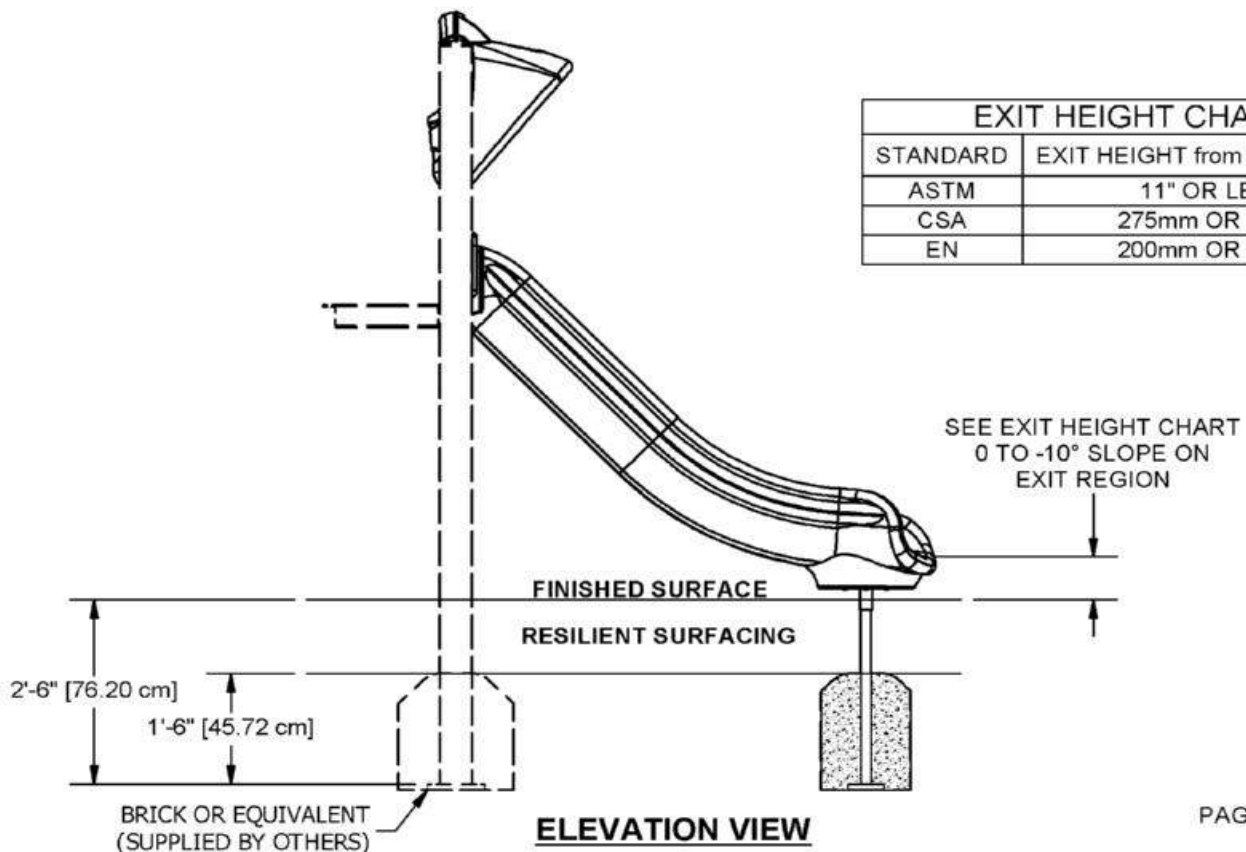
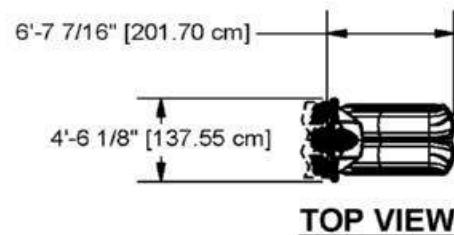
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

ASSEMBLY VIEW

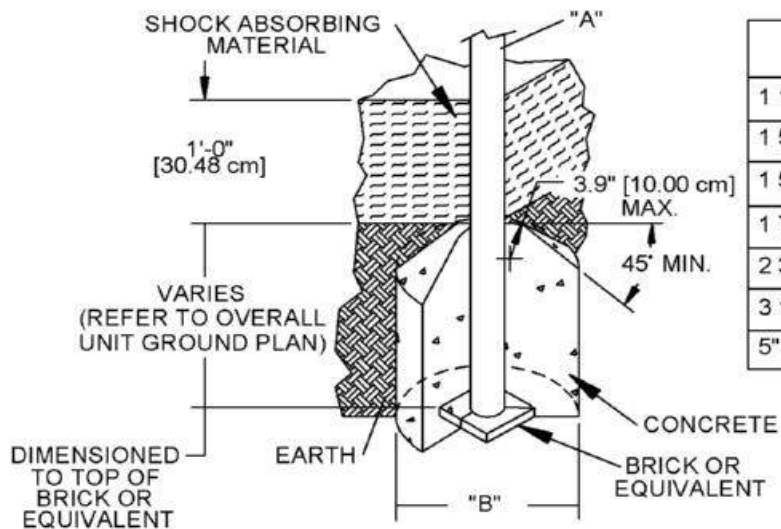


CONCRETE REQUIRED:
 0.12 CUBIC YARDS
 [0.10 CUBIC METERS]

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



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



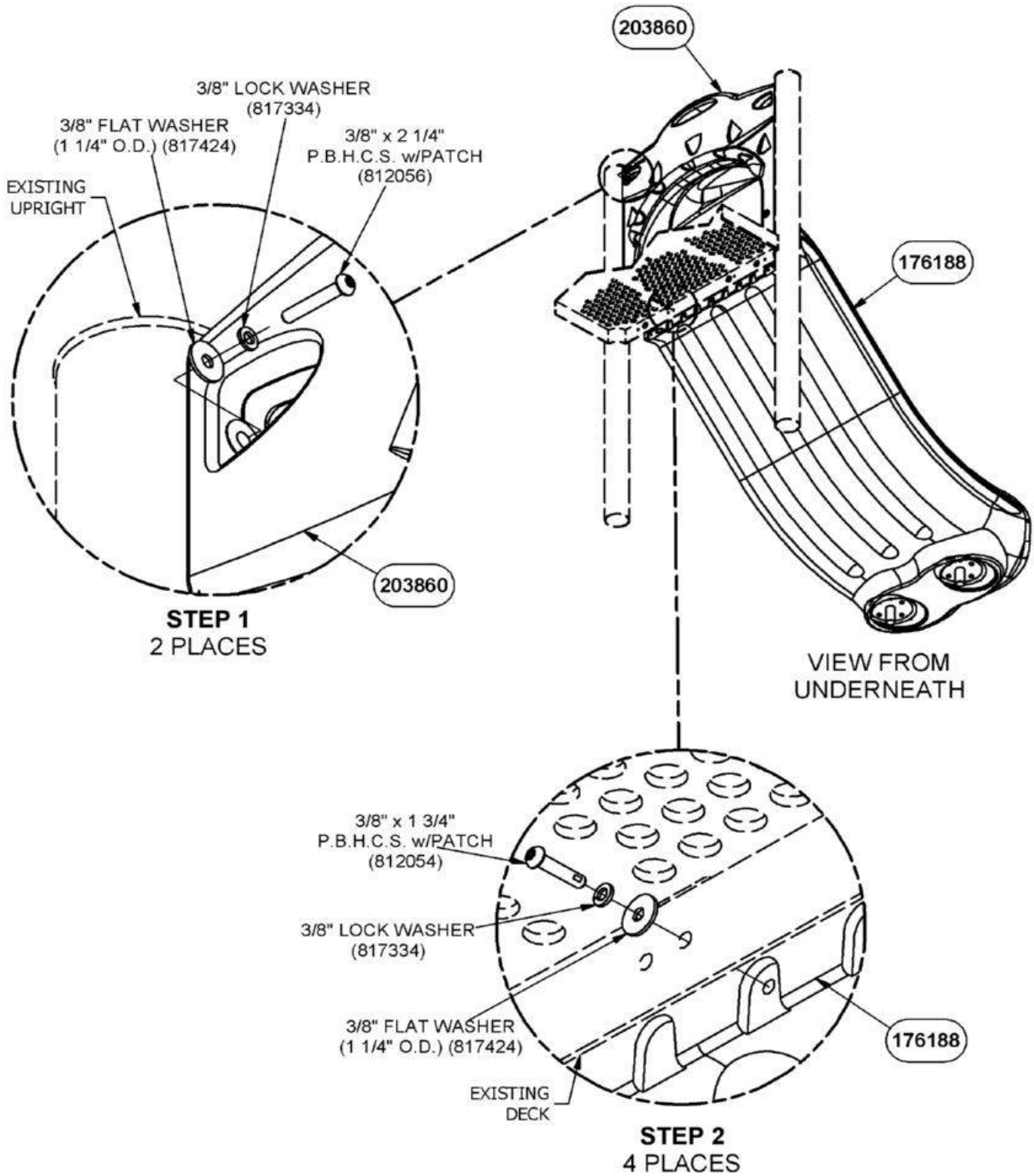
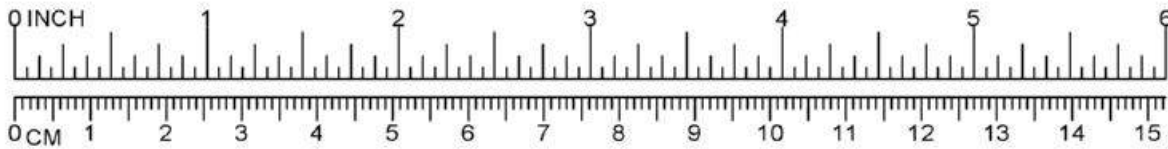
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

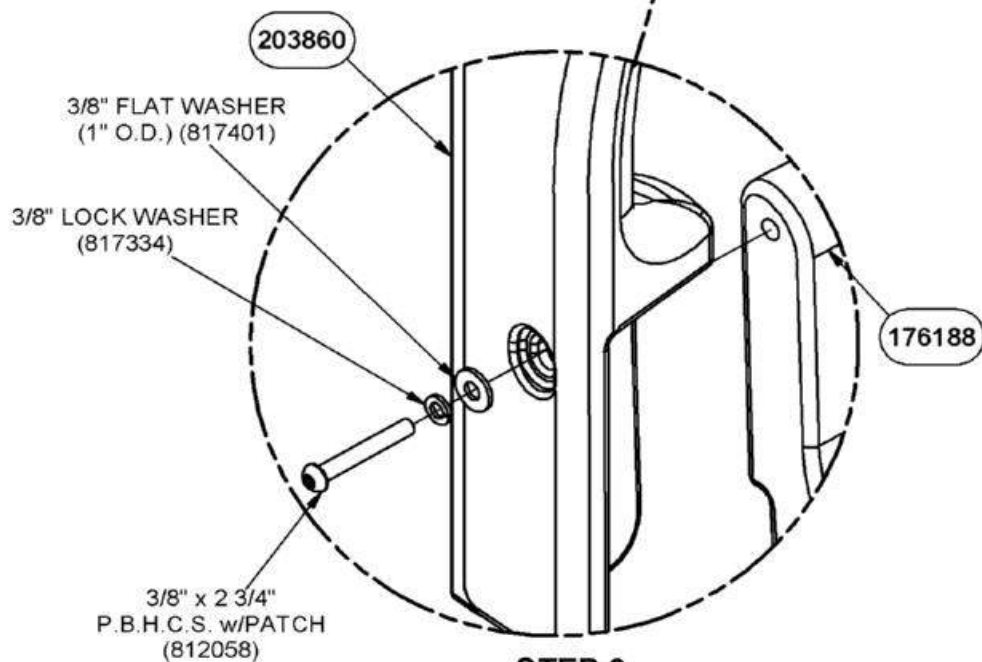
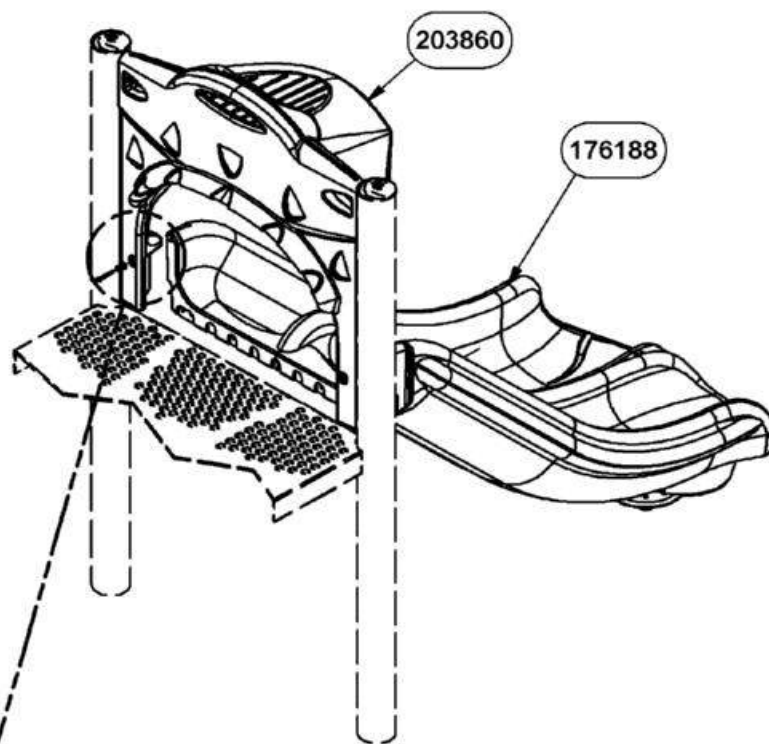
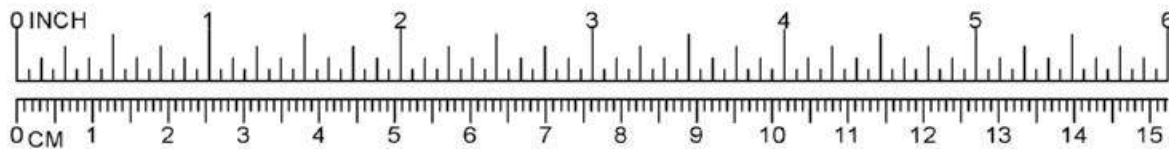
NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

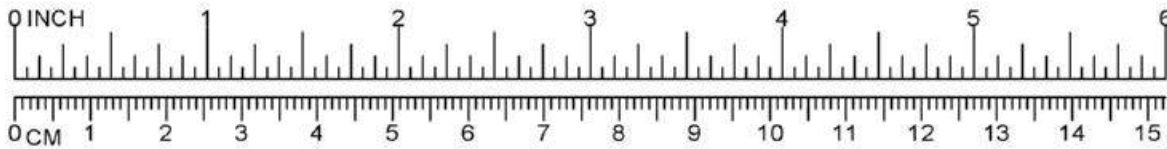
FOOTING DETAIL



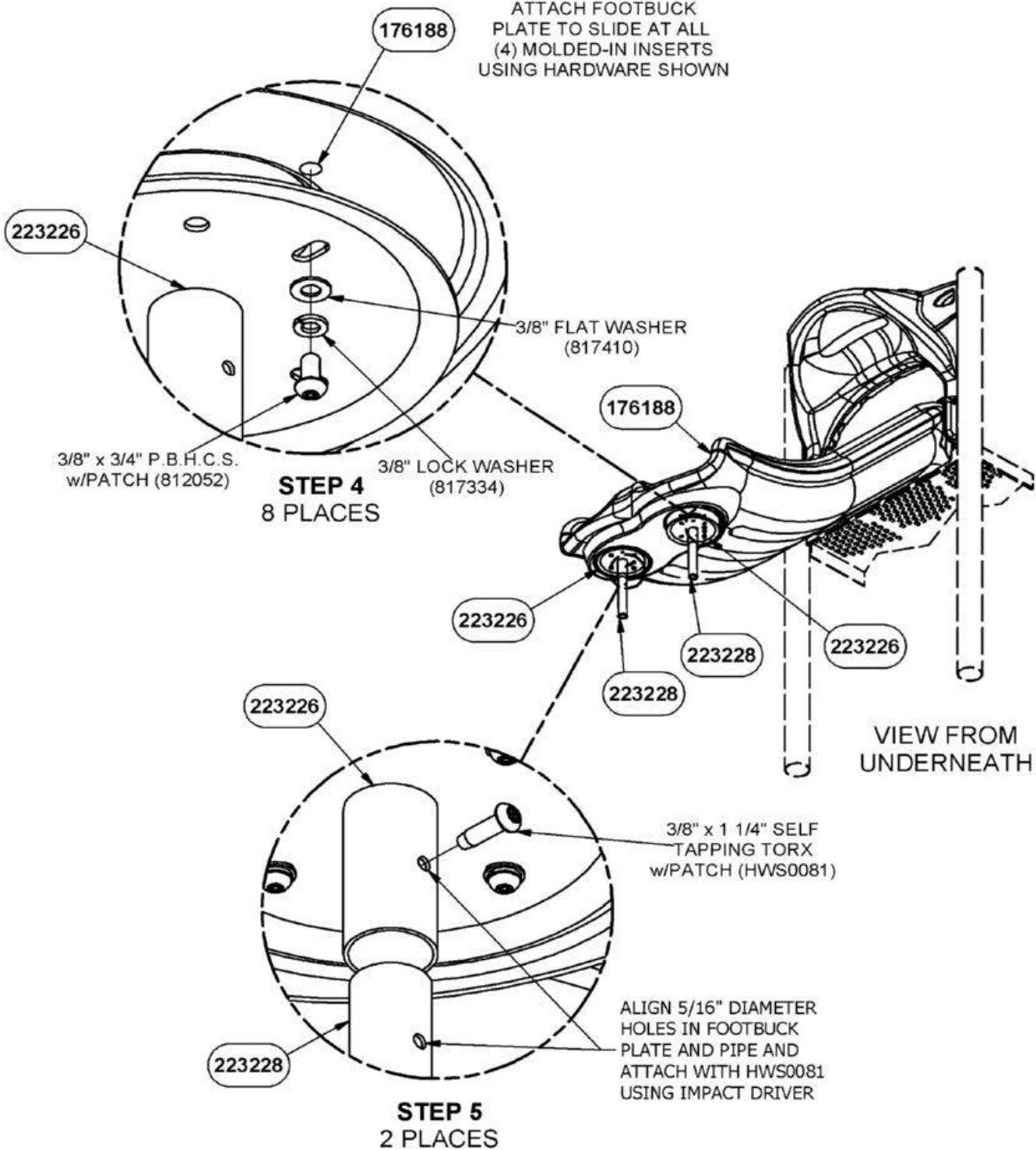


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DETAIL VIEW



ATTACH FOOTBUCK
PLATE TO SLIDE AT ALL
(4) MOLDED-IN INSERTS
USING HARDWARE SHOWN



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STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
DOUBLE ZIP SLIDE HOOD	1	203860
4' DOUBLE SLIDE	1	176188
FOOTBUCK PLATE	2	223226
FOOTBUCK PIPE, 32"	2	223228
HARDWARE COMPLETE	1	224096
3/8" x 3/4" P.B.H.C.S. w/PATCH	8	812052*
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	2	HWS0081*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	812054*
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	2	812058*
3/8" FLAT WASHER	8	817410*
3/8" FLAT WASHER (1" O.D.)	2	817401*
3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
3/8" LOCK WASHER	16	817334*

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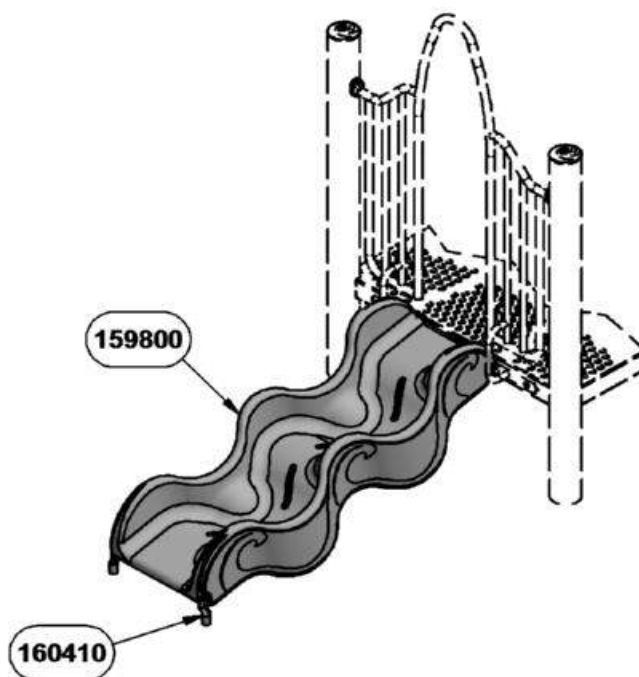
ISSUED/REVISED: 09/10/20

90545 WAVE CLIMBER

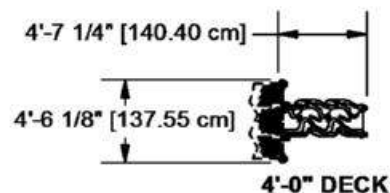
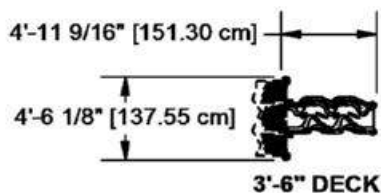
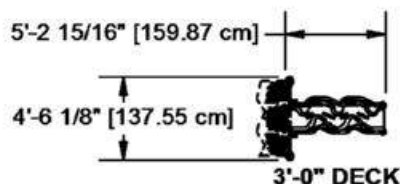
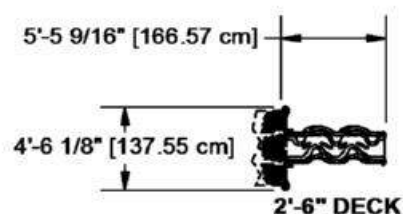
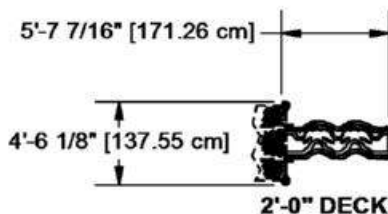
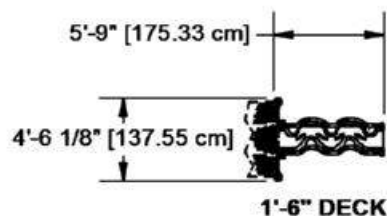


INSTALLATION INSTRUCTIONS

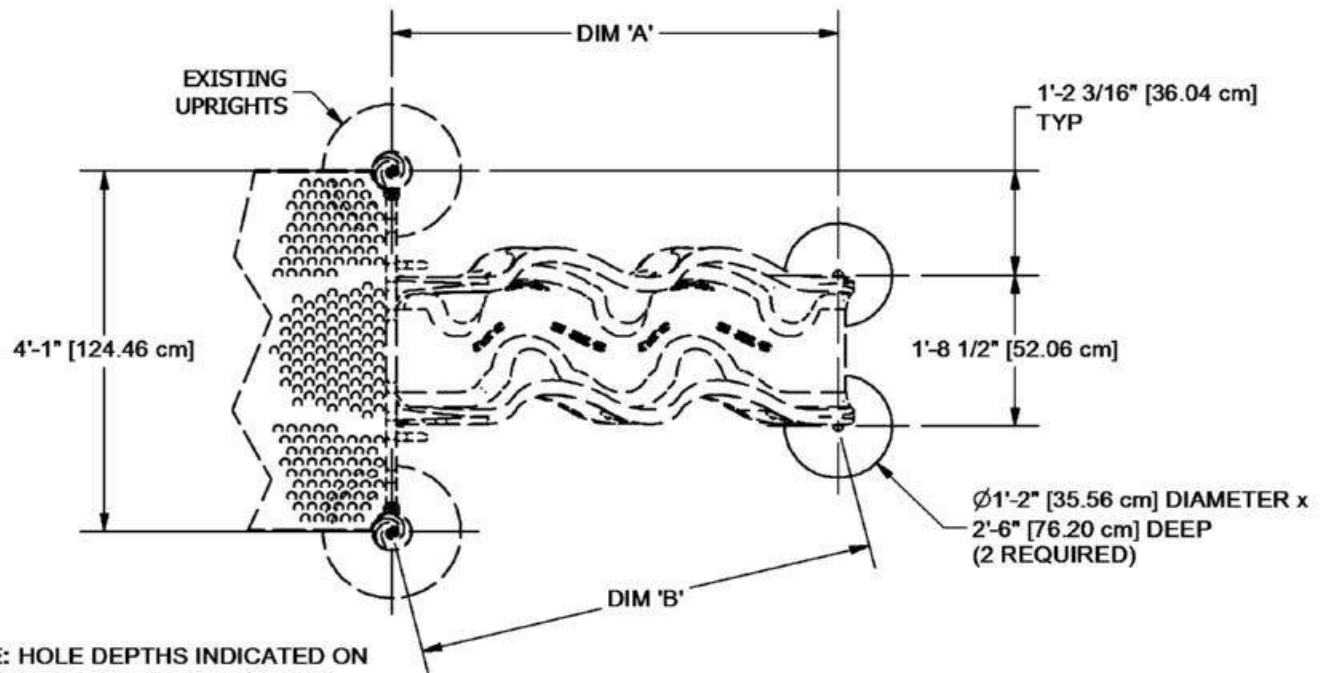
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ASSEMBLY VIEW



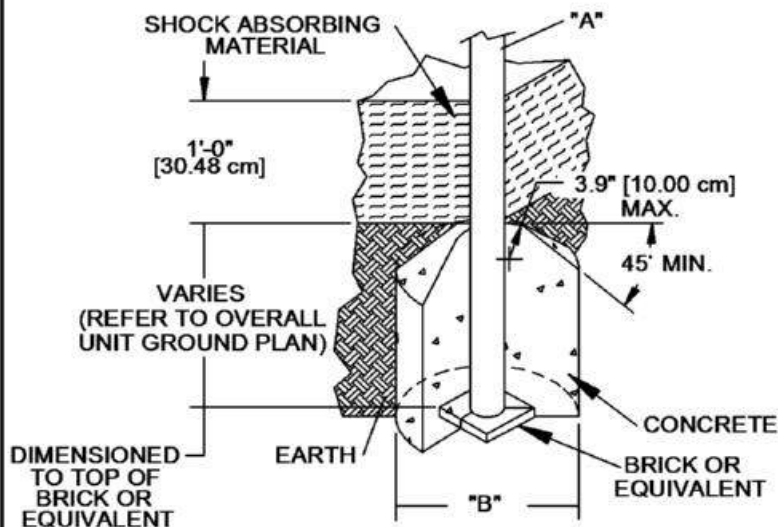
TOP VIEWS



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CONCRETE REQUIRED:
.12 CUBIC YARDS
{.09 CUBIC METERS}

DECK HEIGHTS	DIMENSION 'A'	DIMENSION 'B'
1'-6" THRU 2'-6"	5'-3 1/2" [161.29 cm]	5'-5 1/4" [165.66 cm]
3'-0" THRU 4'-0"	4'-6 3/8" [138.11 cm]	4'-8 3/8" [143.19 cm]



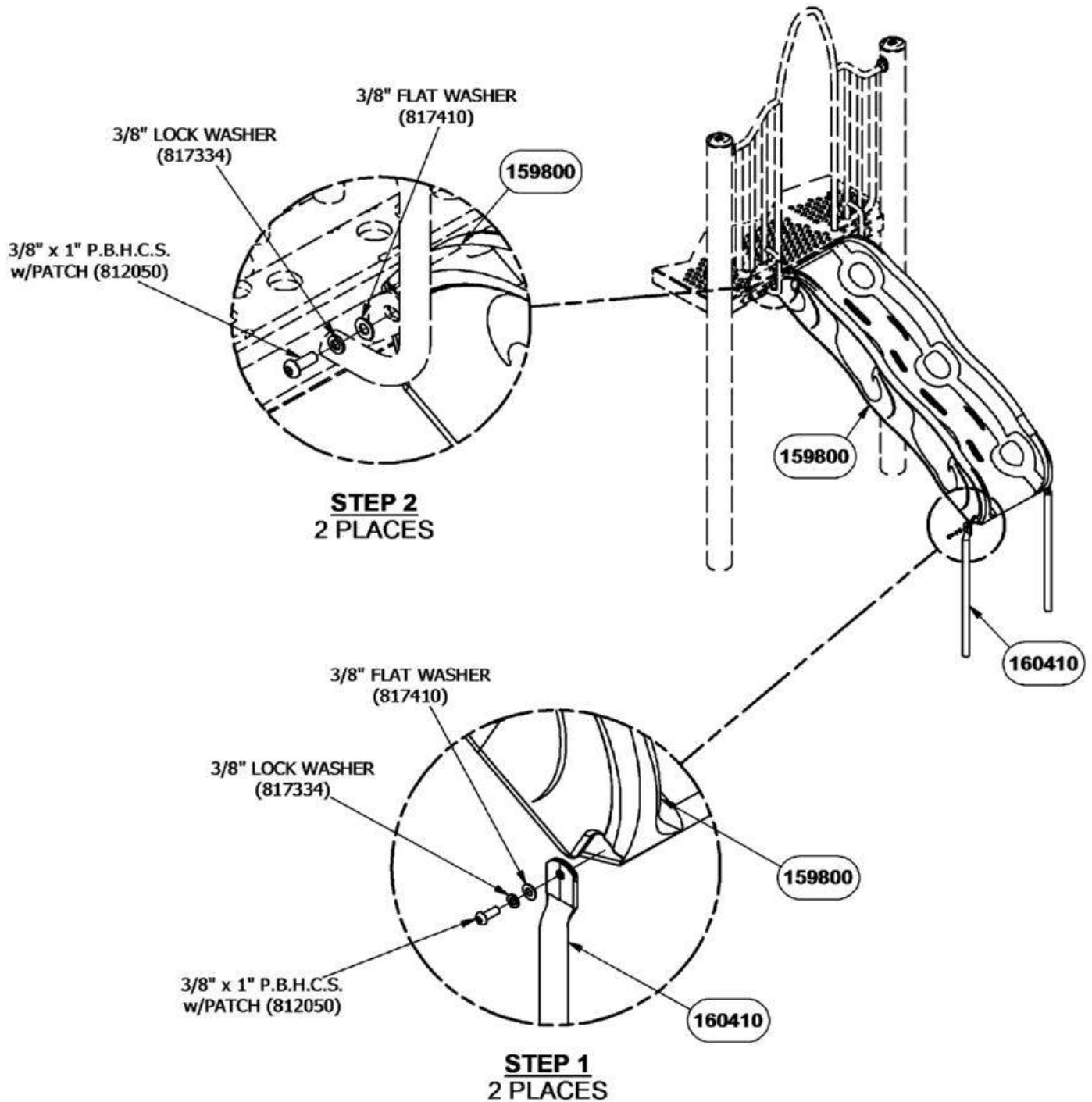
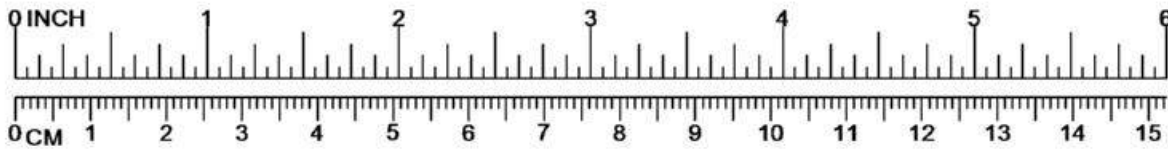
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

PAGE 3

Parts List		
DESCRIPTION	QTY	PART NUMBER
WAVE CLIMBER	1	159800
SMASHED FOOTBUCK	2	160410
HARDWARE COMPLETE	1	204569
3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
3/8" FLAT WASHER	4	817410*
3/8" LOCK WASHER	4	817334*

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

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

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

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

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.

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 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.

PowerScape



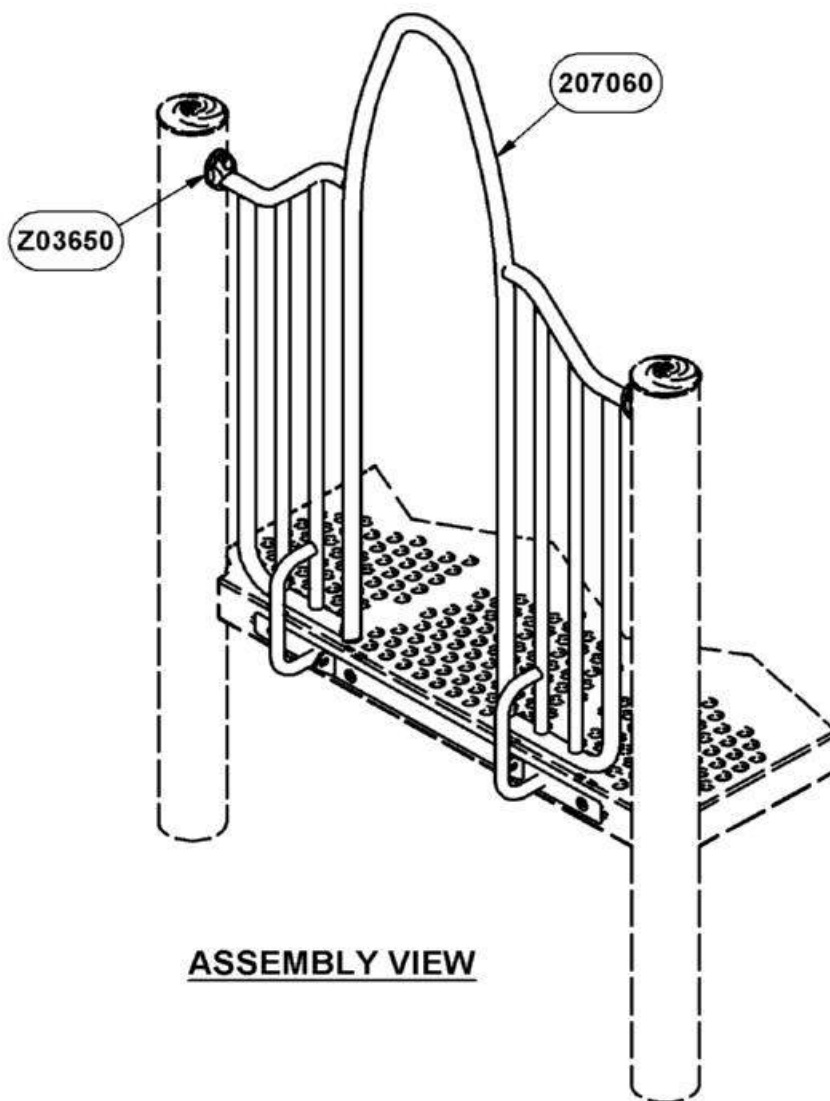
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1-800-235-2440

ISSUED/REVISED: 12/1/2022

90546

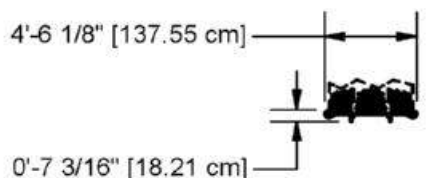
CLIMBER ARCHWAY w/ D-RUNG (BARRIER)



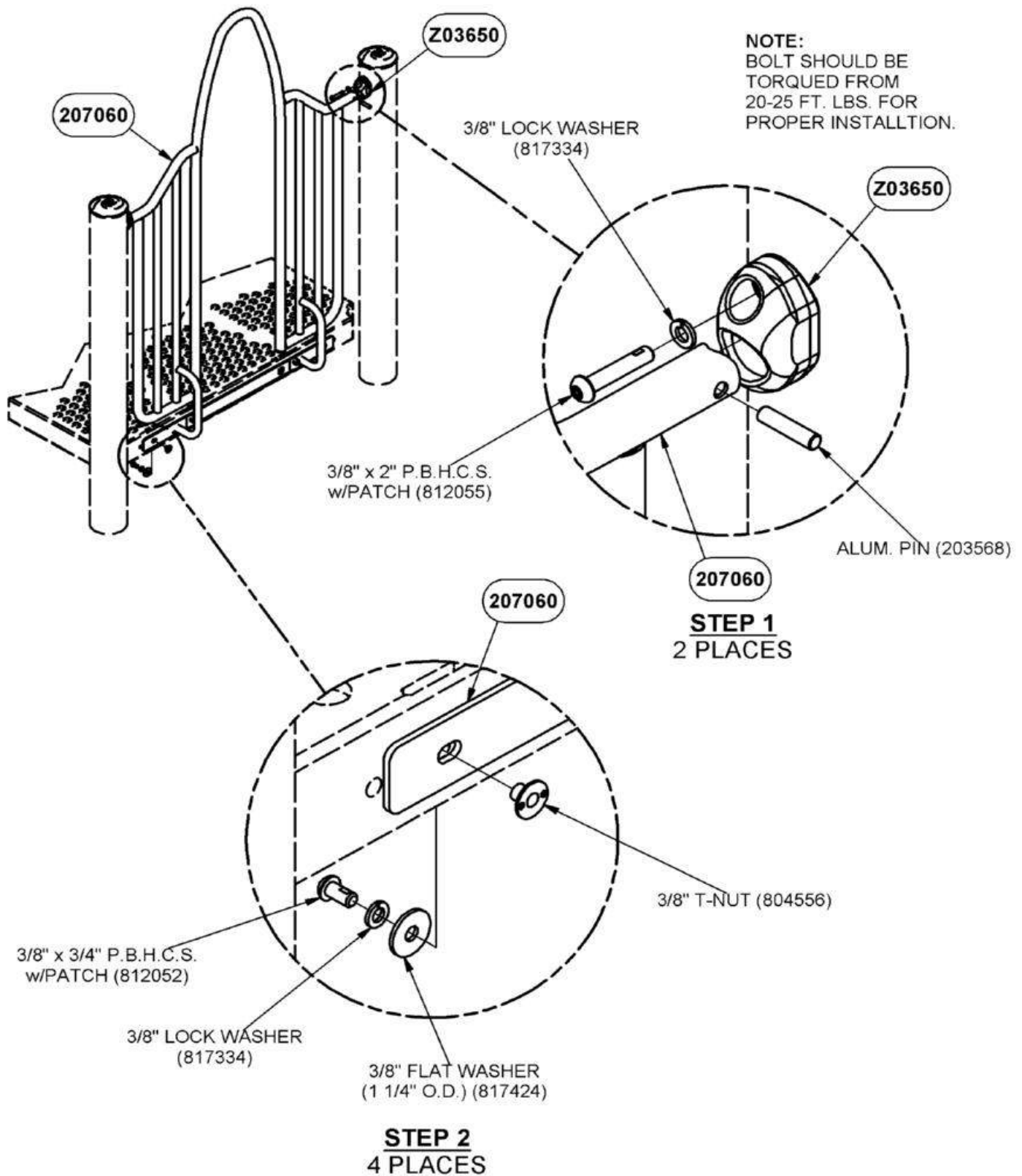
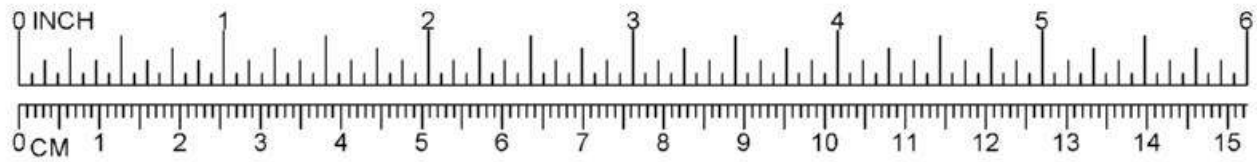
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



TOP VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

Parts List		
DESCRIPTION	QTY	PART NUMBER
TRU-LOC	2	Z03650
ARCHWAY w/INFILL WELD ASSEMBLY	1	207060
HARDWARE COMPLETE	1	204568
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" LOCK WASHER	6	817334*
3/8" T-NUT	4	804556*
ALUM. PIN	2	203568*

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

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

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

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

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.

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 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.

PowerScape



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1-800-235-2440

ISSUED/REVISED: 11/10/2020

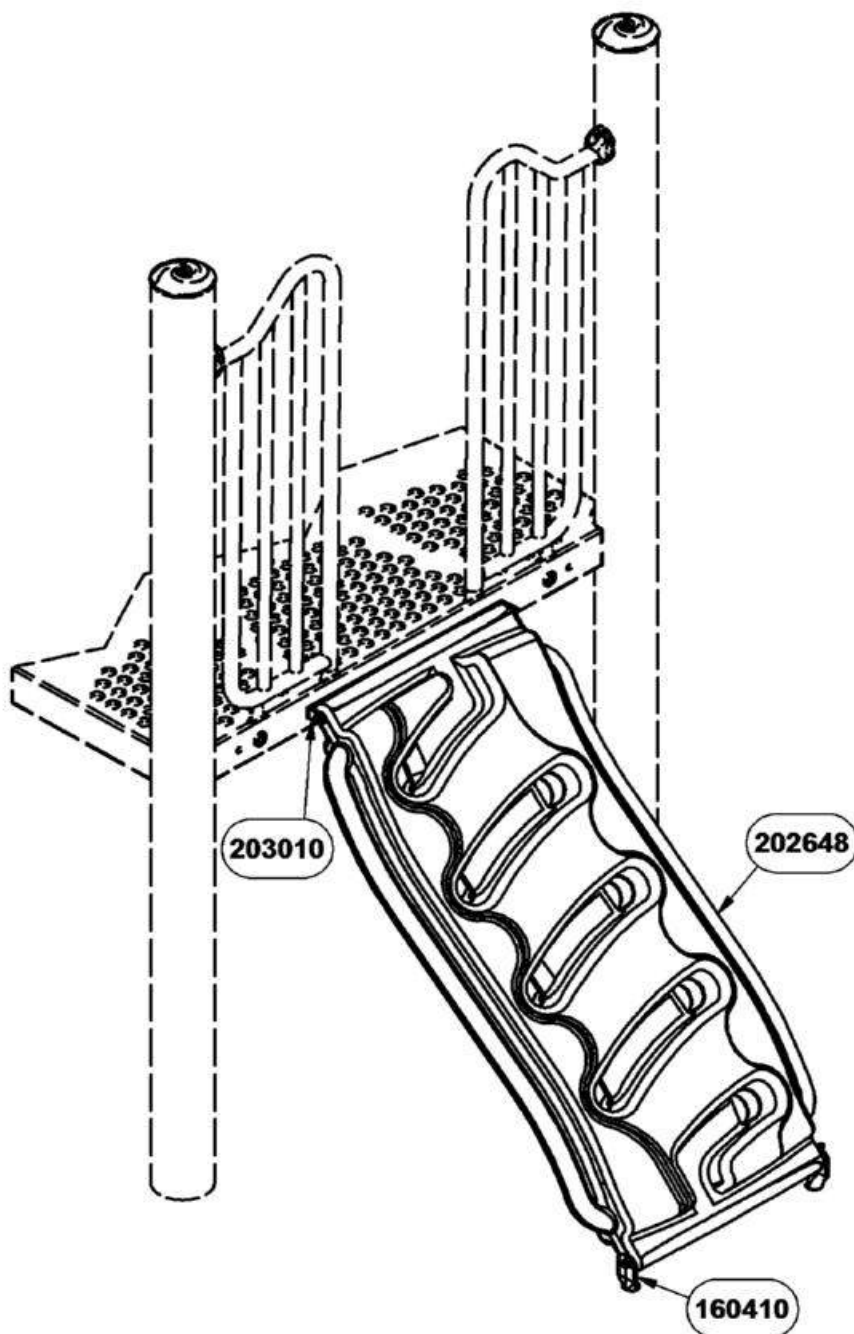
90592

RIDGE CLIMBER

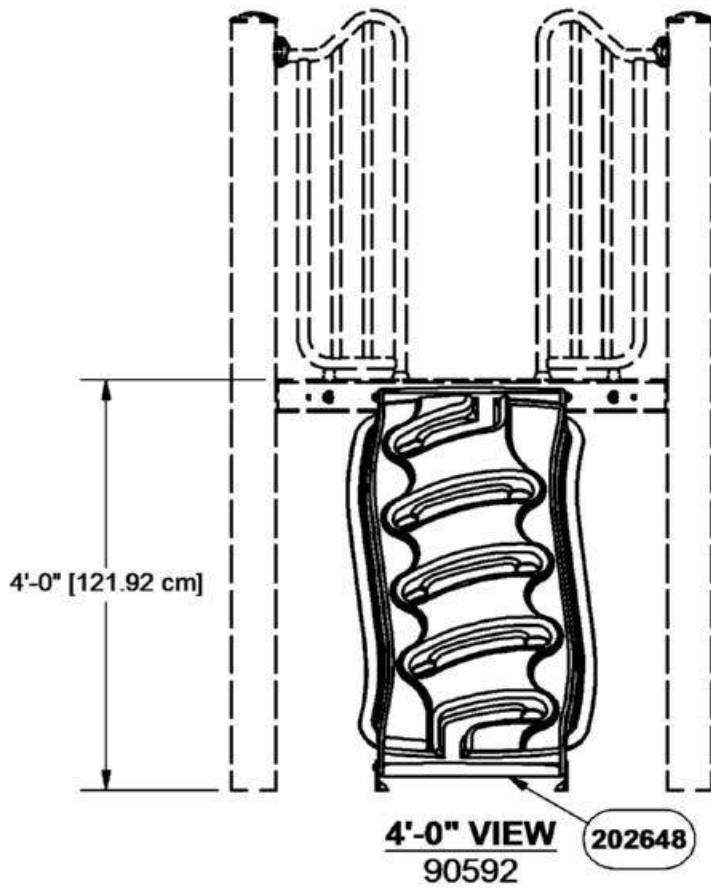
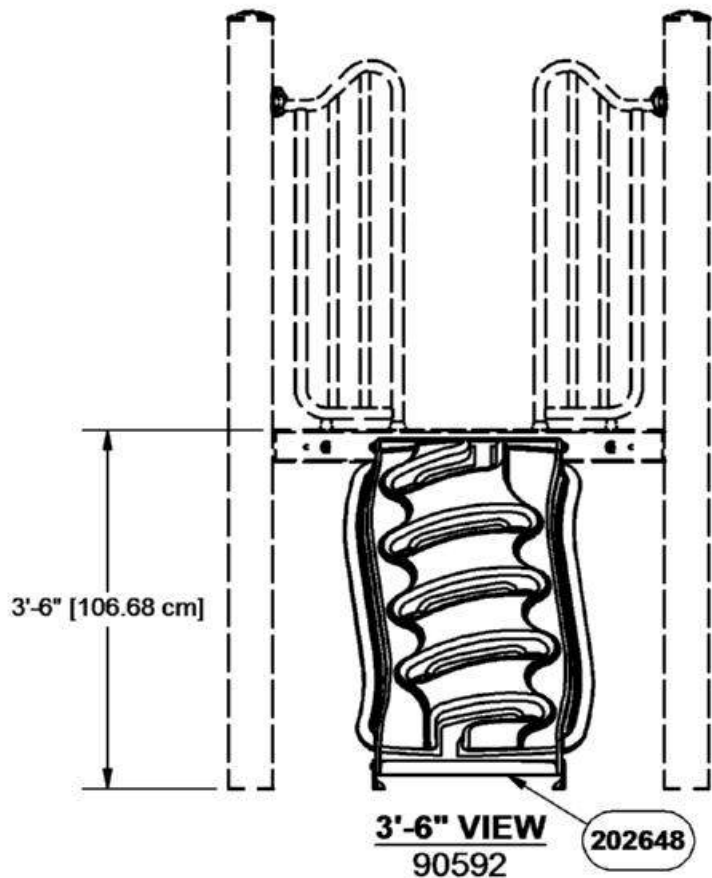
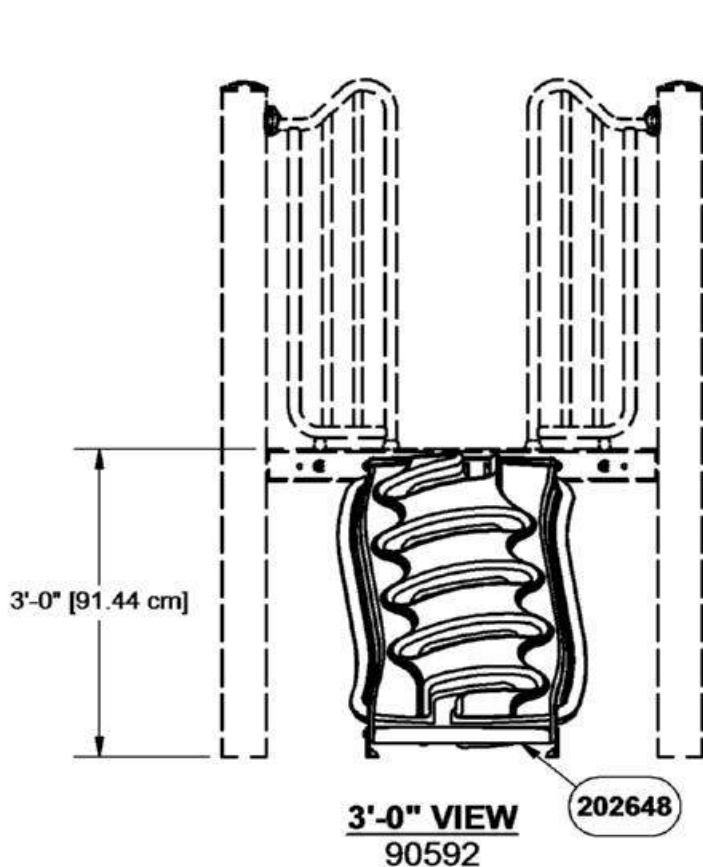


INSTALLATION INSTRUCTIONS

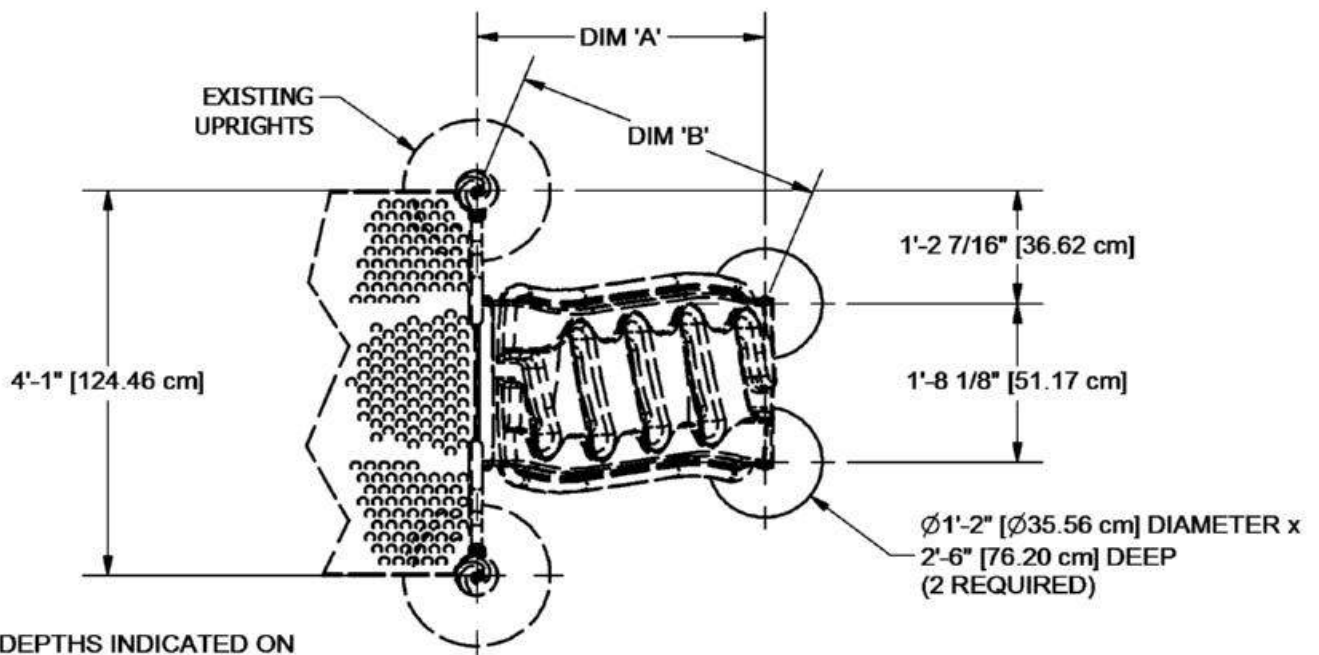
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4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



ASSEMBLY DRAWING



**DECK HIEGHT
ELEVATIONS**

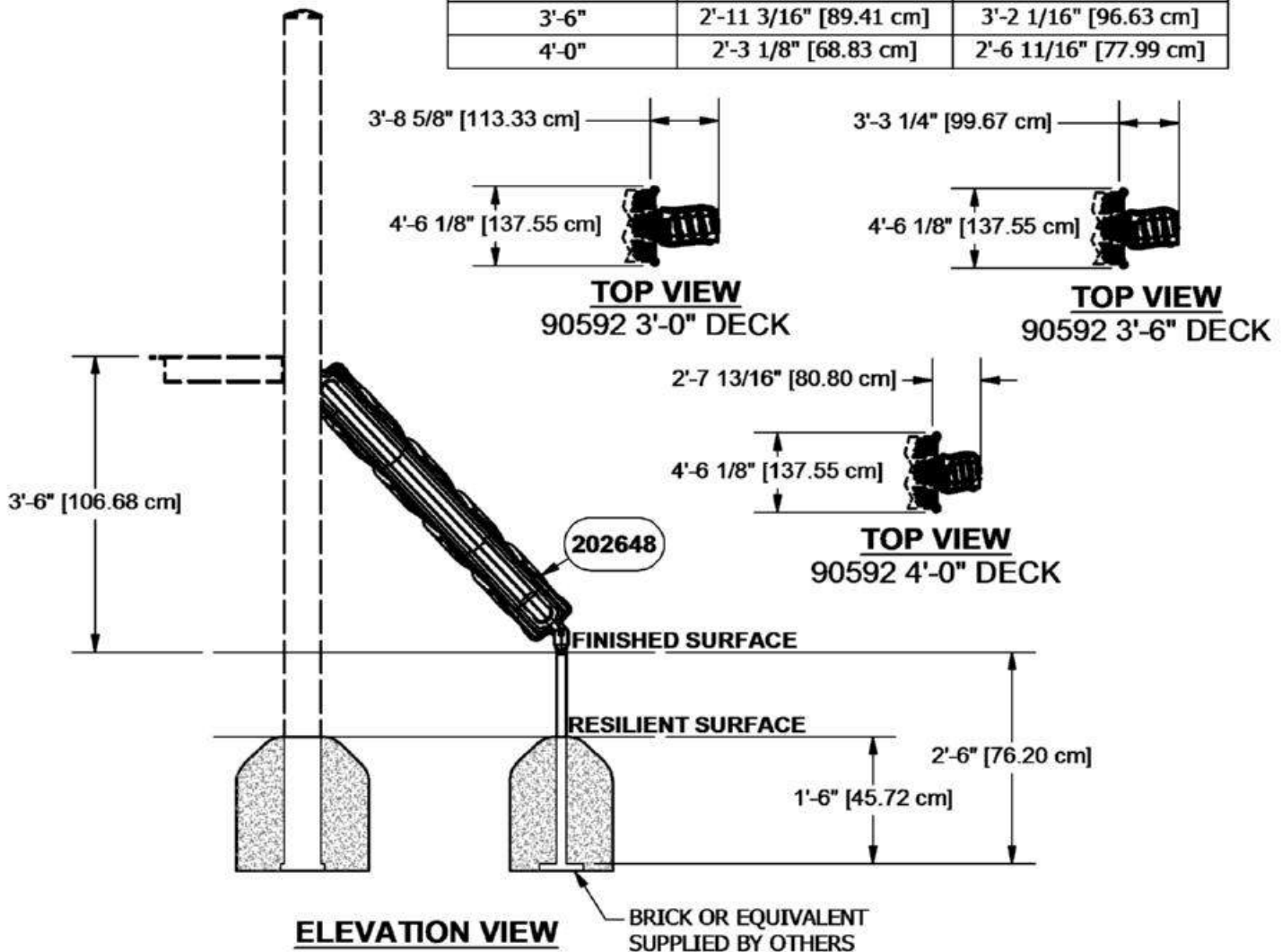


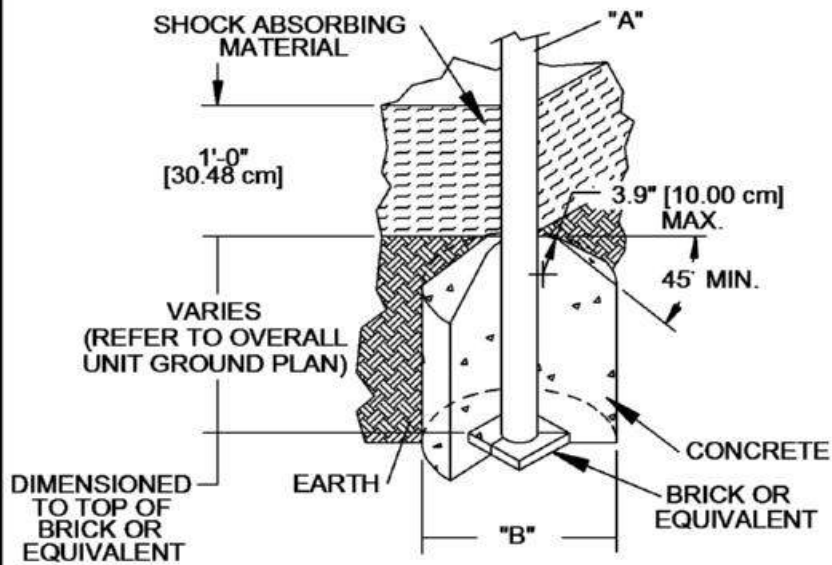
PLAN VIEW

CONCRETE REQUIRED
 .12 CUBIC YARDS
 [.09 CUBIC METERS]

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

Table		
DECK HEIGHTS	DIMENSIONS 'A'	DIMENSIONS 'B'
3'-0"	3'-4 13/16" [103.66 cm]	3'-7 5/16" [109.94 cm]
3'-6"	2'-11 3/16" [89.41 cm]	3'-2 1/16" [96.63 cm]
4'-0"	2'-3 1/8" [68.83 cm]	2'-6 11/16" [77.99 cm]



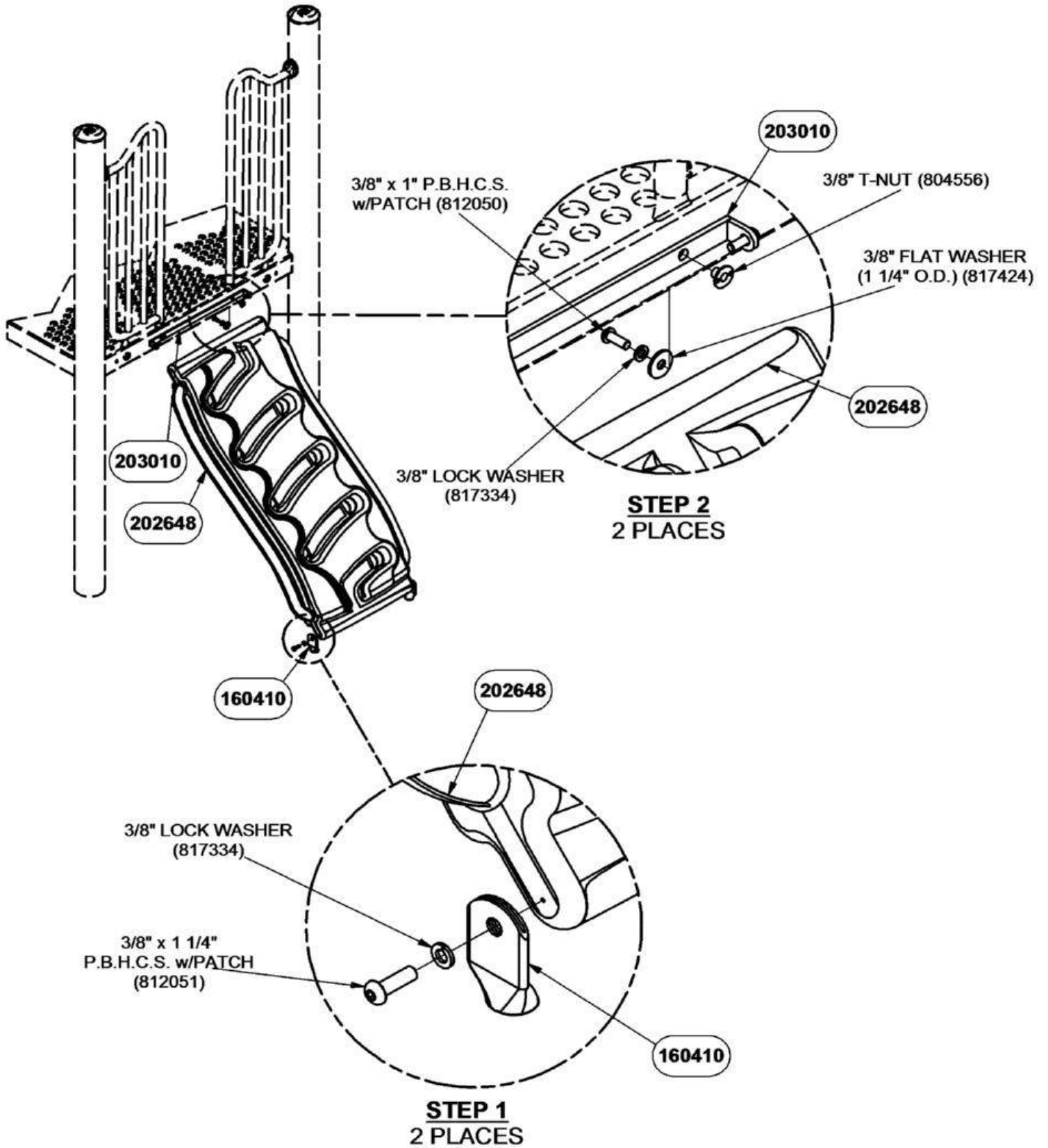
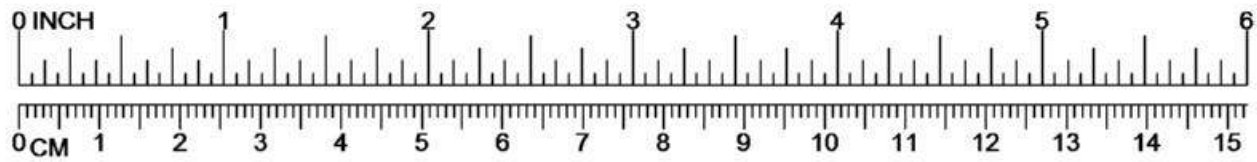


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

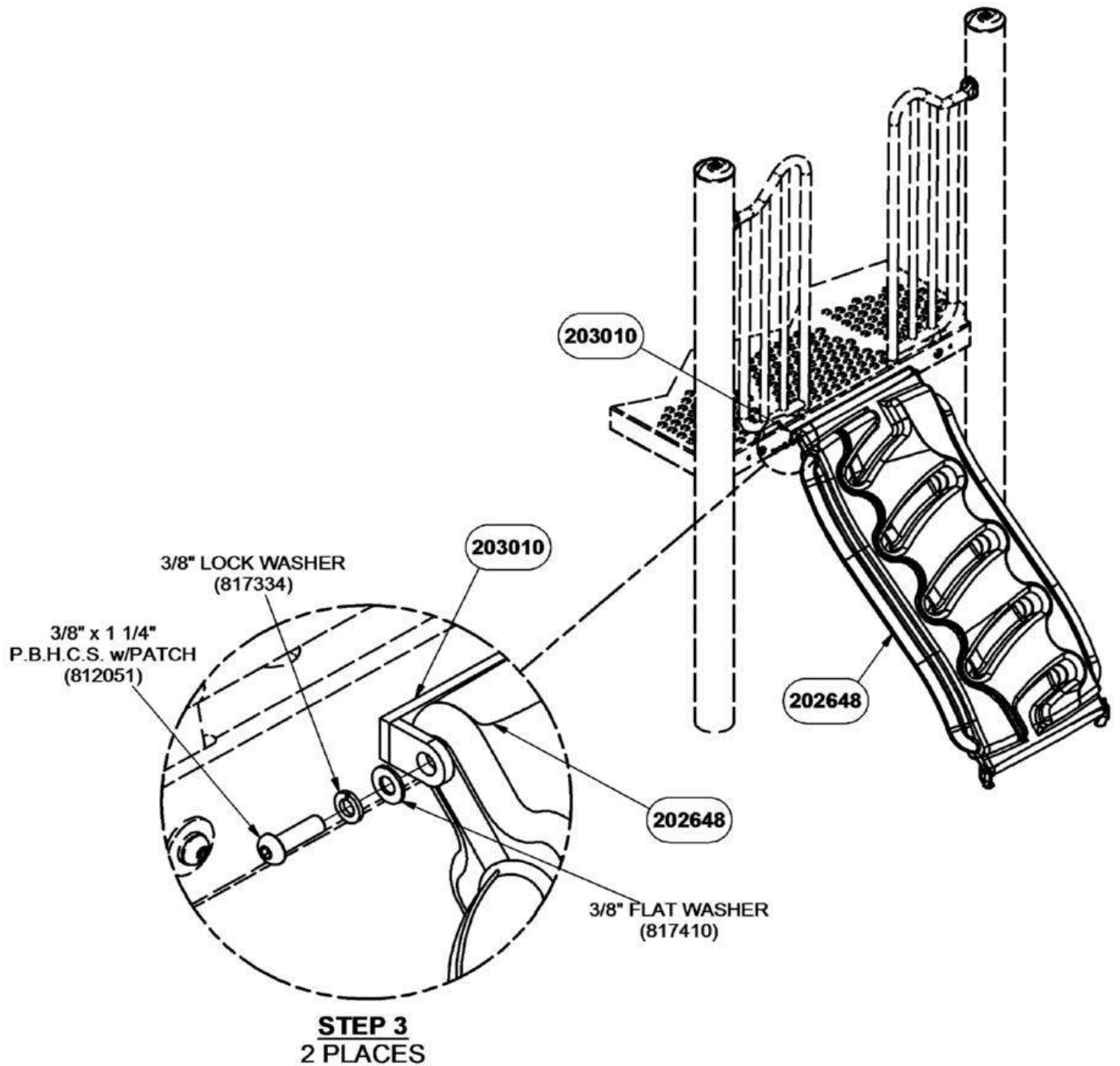
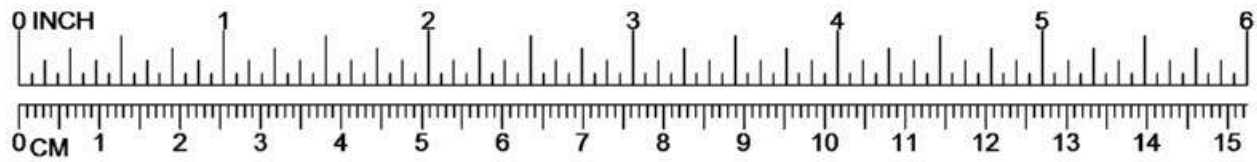
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FOOTING DETAIL



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
RIDGE CLIMBER	1	202648
MOUNTING BRACKET WELD ASS'Y	1	203010
SMASHED FOOTBUCK	2	160410
HARDWARE COMPLETE	1	204698
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" LOCK WASHER	6	817334*
3/8" T-NUT	2	804556*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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CONTOURED SEAT PANEL

⬡ = INSTALLATION
DETAIL

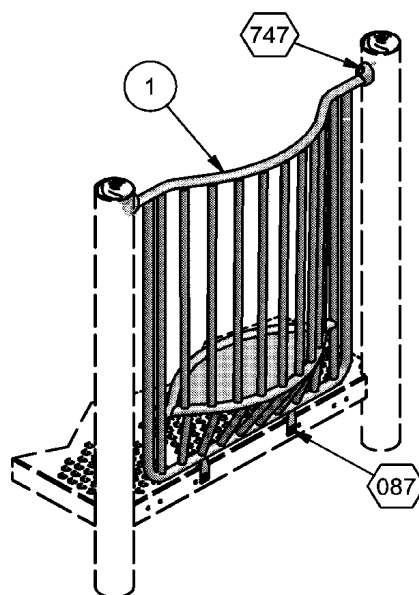
○ = PARTS LIST
REFERENCE



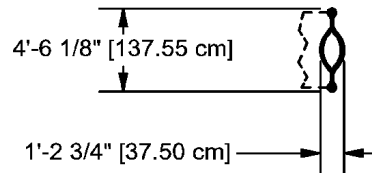
UP TO 5'-0"



UP TO 7'-0"



ASSEMBLY DRAWING



TOP VIEW

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SEAT ENCLOSURE WELD ASS'Y	1	204937
	TRU-LOC	2	A03650
	HARDWARE COMPLETE	1	204943
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCKWASHER	4	817334*
	3/8" T-NUT	2	804556*
	ALUM. PIN	2	203568*

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

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

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

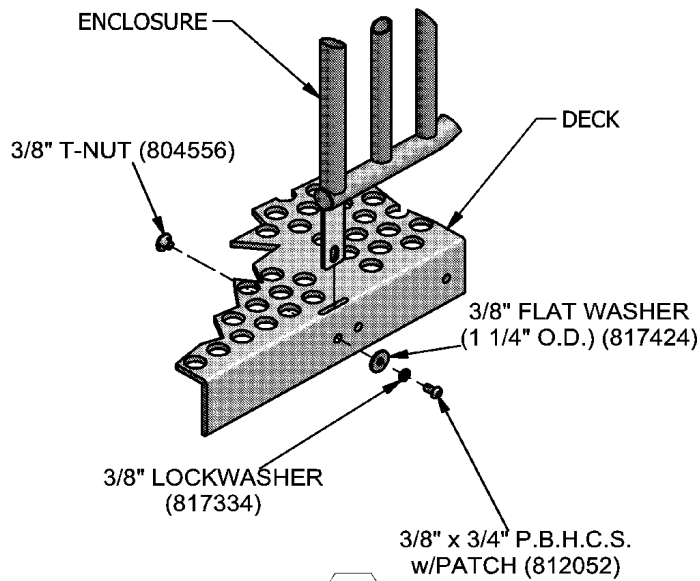
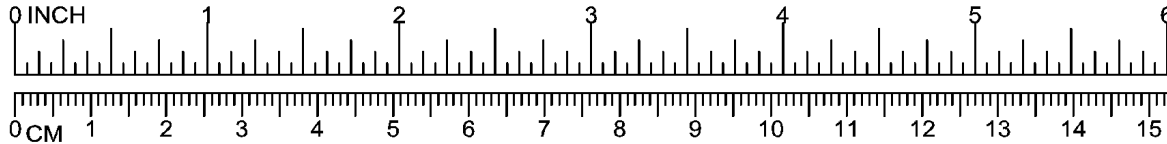
DETAILS -for- 90610

IMPORTANT

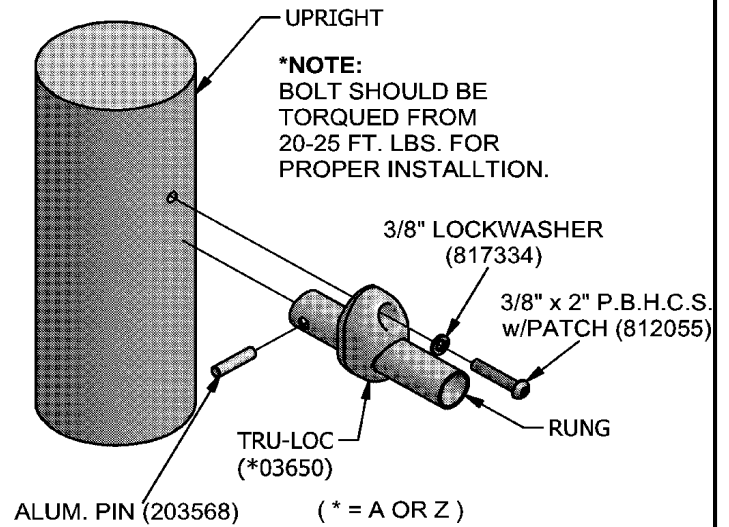
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



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747

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ISSUED/REVISED: 11/19/2020

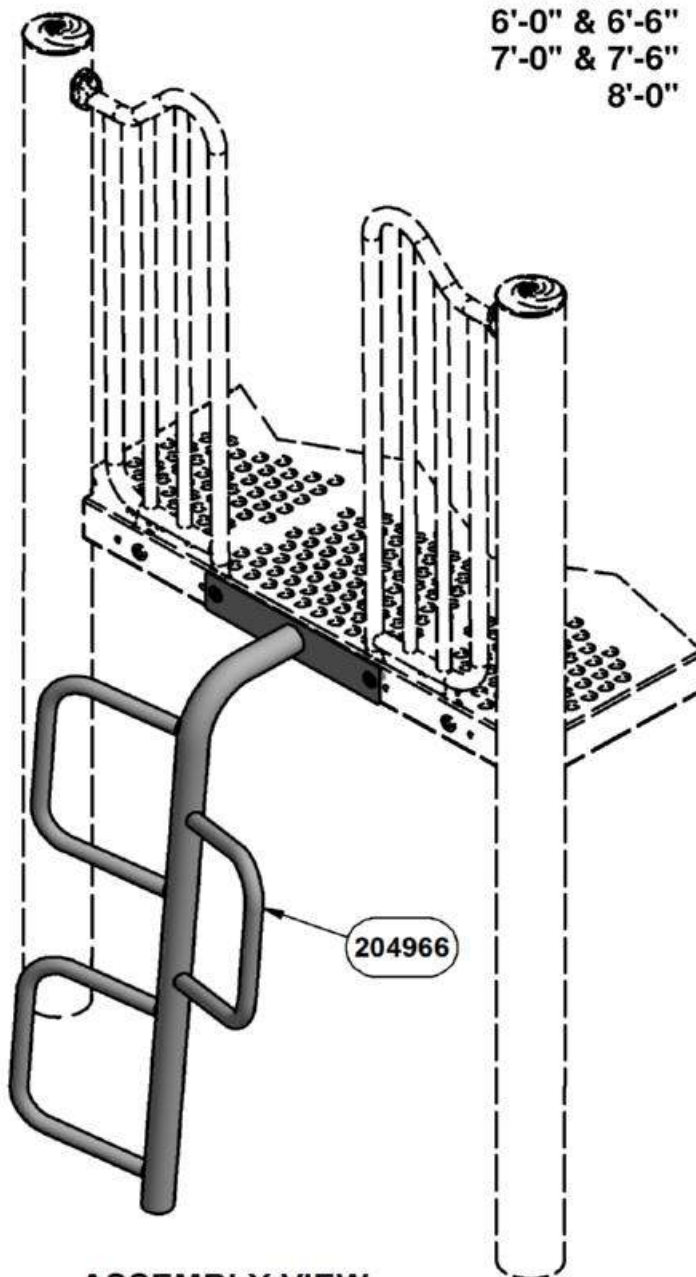
90632 STEGO CLIMBER



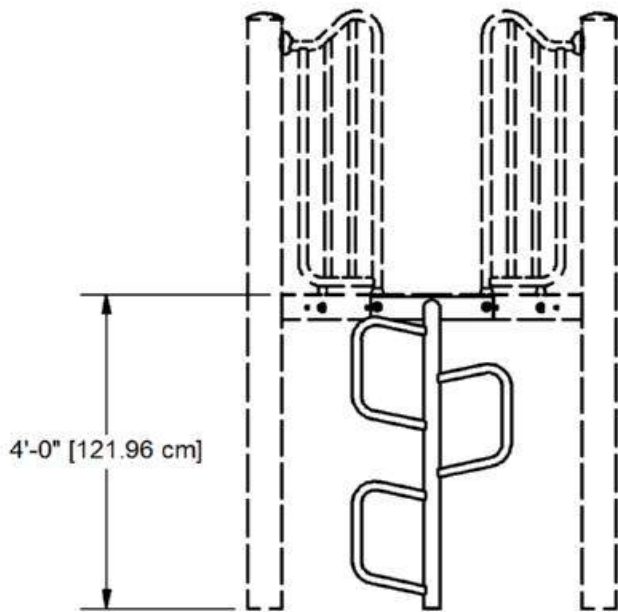
INSTALLATION INSTRUCTIONS

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3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

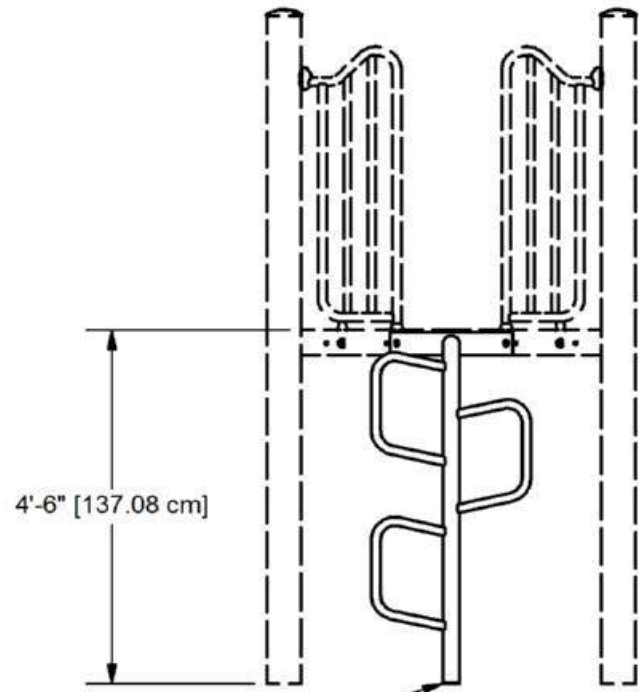
4'-0" & 4'-6"	90632
5'-0" & 5'-6"	90633
6'-0" & 6'-6"	90634
7'-0" & 7'-6"	90635
8'-0"	90636



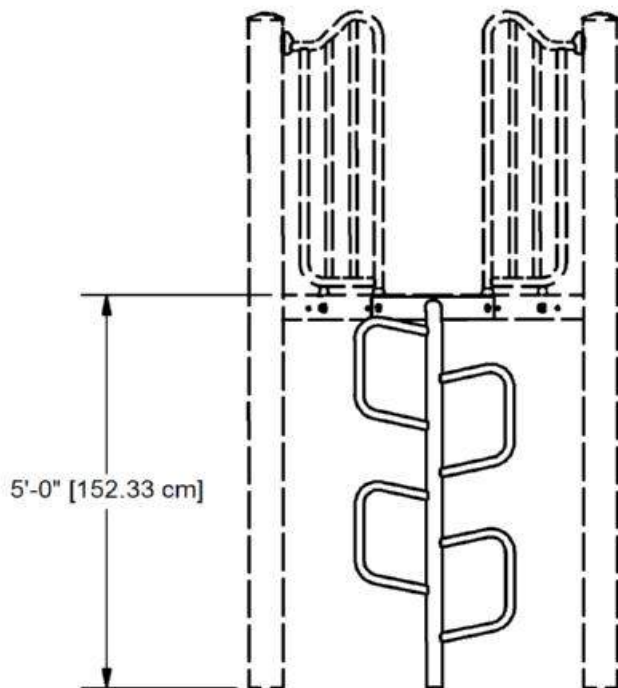
ASSEMBLY VIEW
90632 SHOWN



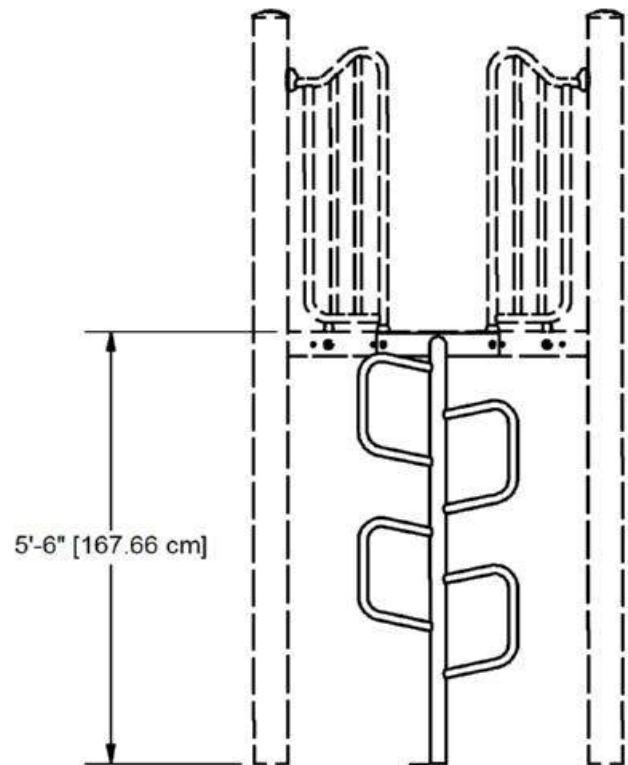
4'-0" SHOWN
90632



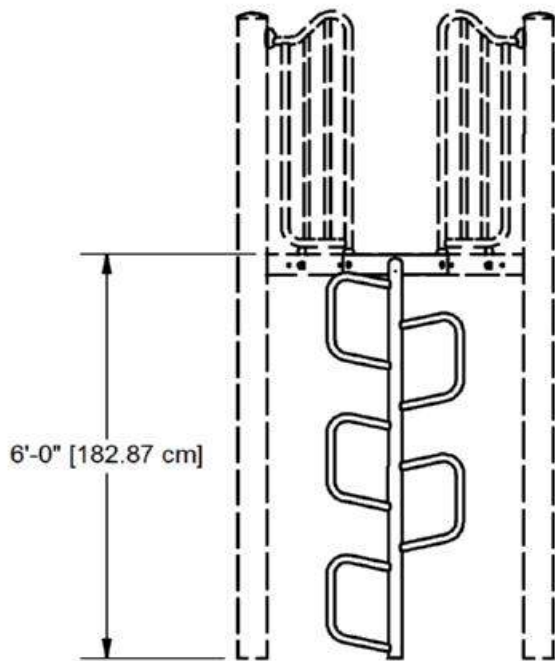
4'-6" SHOWN
90632



5'-0" SHOWN
90633

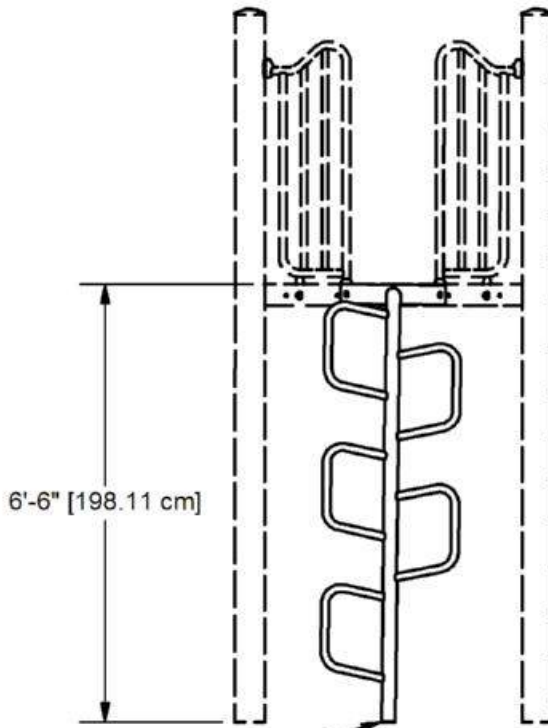


5'-6" SHOWN
90633



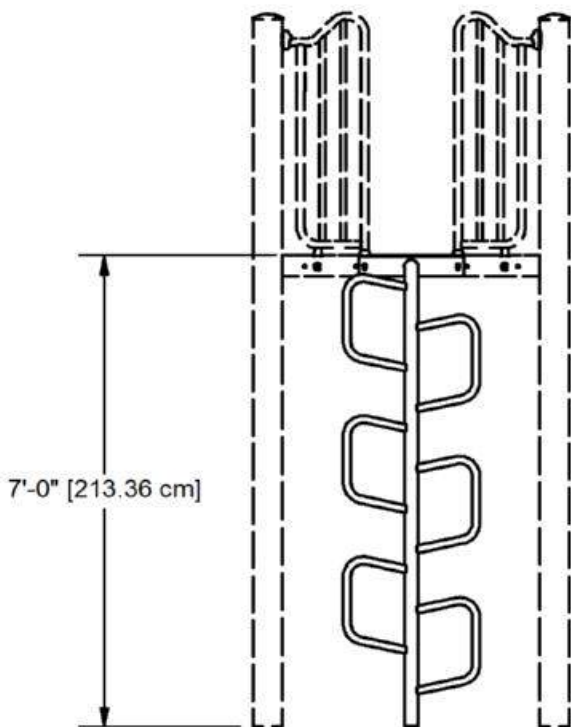
6'-0" [182.87 cm]

6'-0" SHOWN
90634



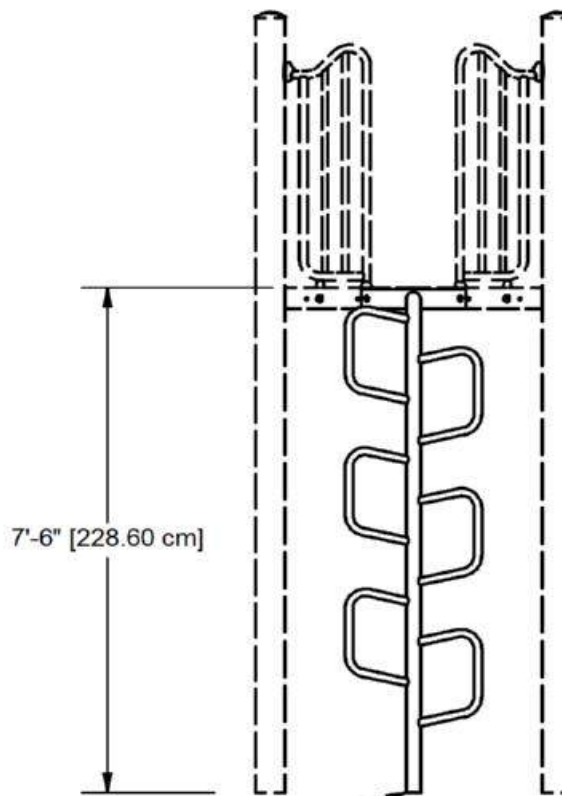
6'-6" [198.11 cm]

EXTENSION
(151080) **6'-6" SHOWN**
90634



7'-0" [213.36 cm]

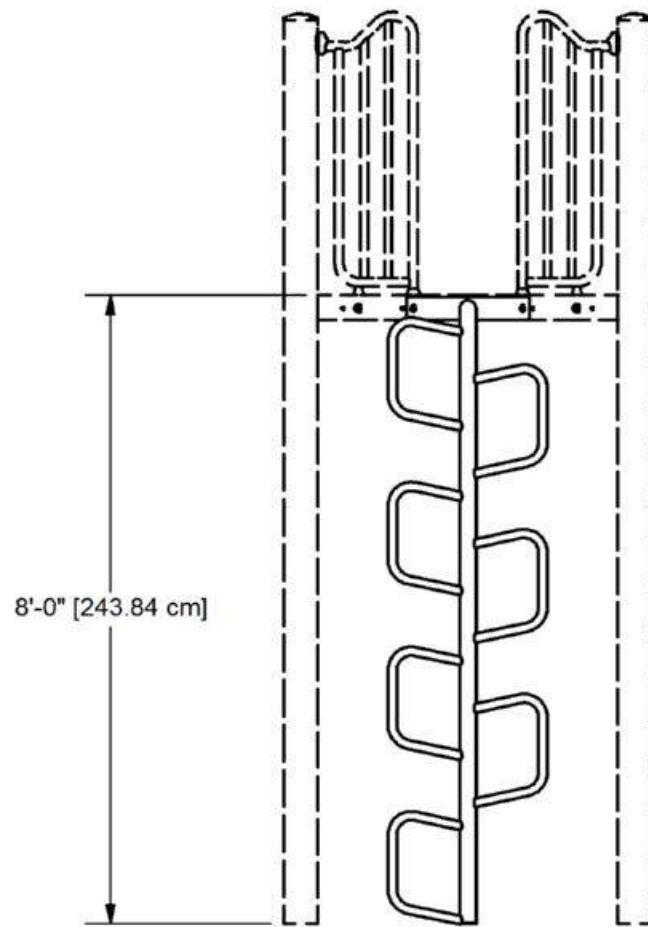
7'-0" SHOWN
90635



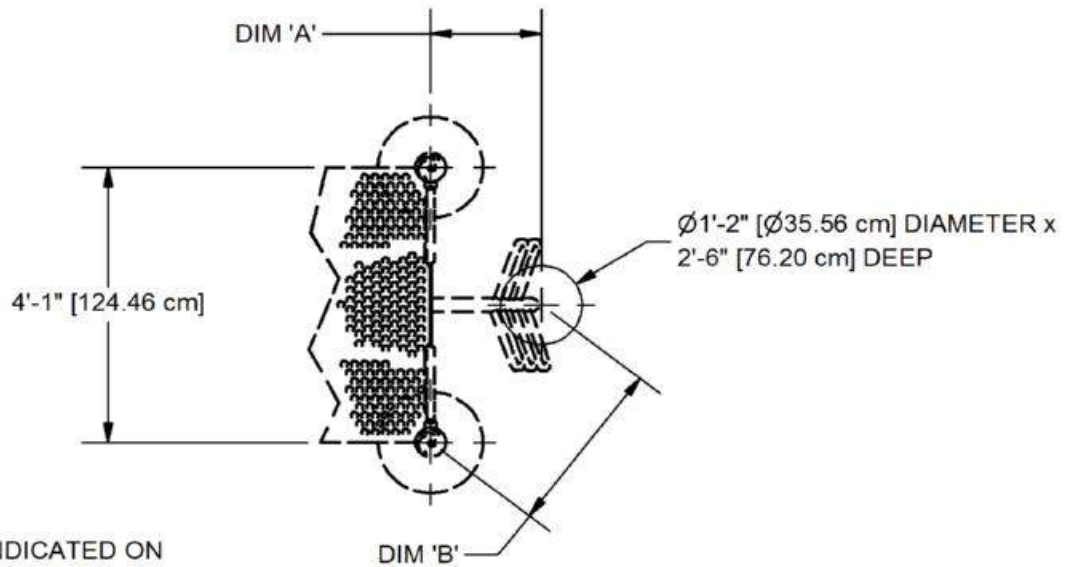
7'-6" [228.60 cm]

EXTENSION
(151080) **7'-6" SHOWN**
90635

DECK HEIGHT
ELEVATIONS



8'-0" SHOWN
90636



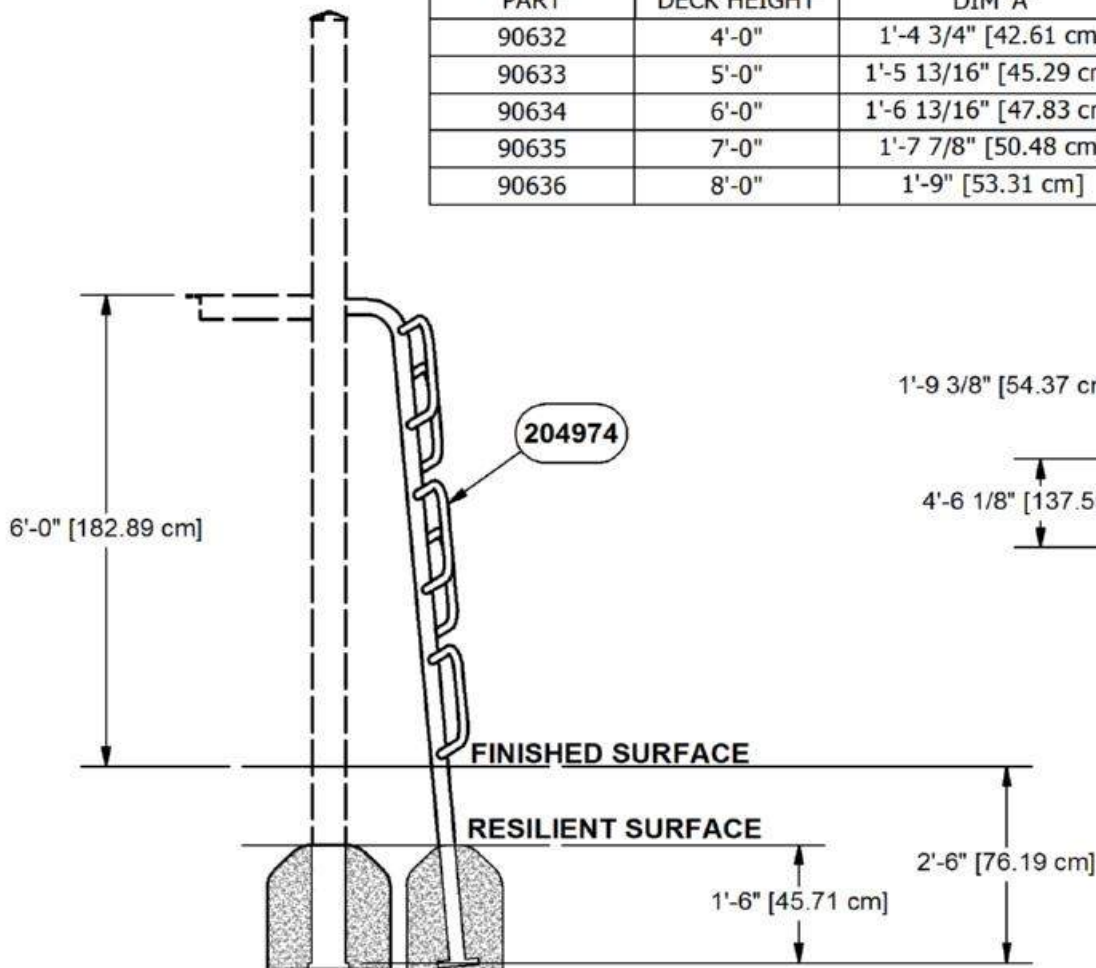
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

PLAN VIEW

CONCRETE REQUIRED

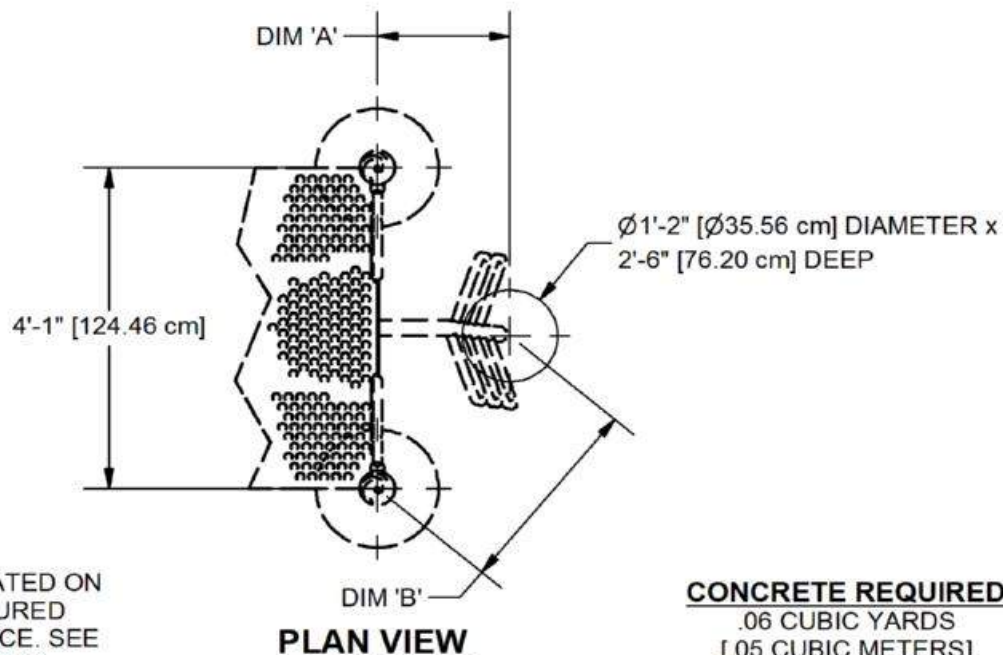
.06 CUBIC YARDS
[.05 CUBIC METERS]

Table			
PART	DECK HEIGHT	DIM 'A'	DIM 'B'
90632	4'-0"	1'-4 3/4" [42.61 cm]	2'-5 11/16" [75.43 cm]
90633	5'-0"	1'-5 13/16" [45.29 cm]	2'-6 5/16" [76.97 cm]
90634	6'-0"	1'-6 13/16" [47.83 cm]	2'-6 7/8" [77.78 cm]
90635	7'-0"	1'-7 7/8" [50.48 cm]	2'-7 9/16" [80.14 cm]
90636	8'-0"	1'-9" [53.31 cm]	2'-8 1/4" [81.94 cm]



TOP VIEW

ELEVATION VIEW
90634 6'-0" SHOWN
OTHERS SIMILAR

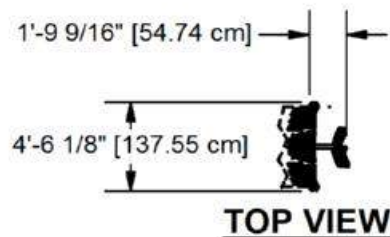
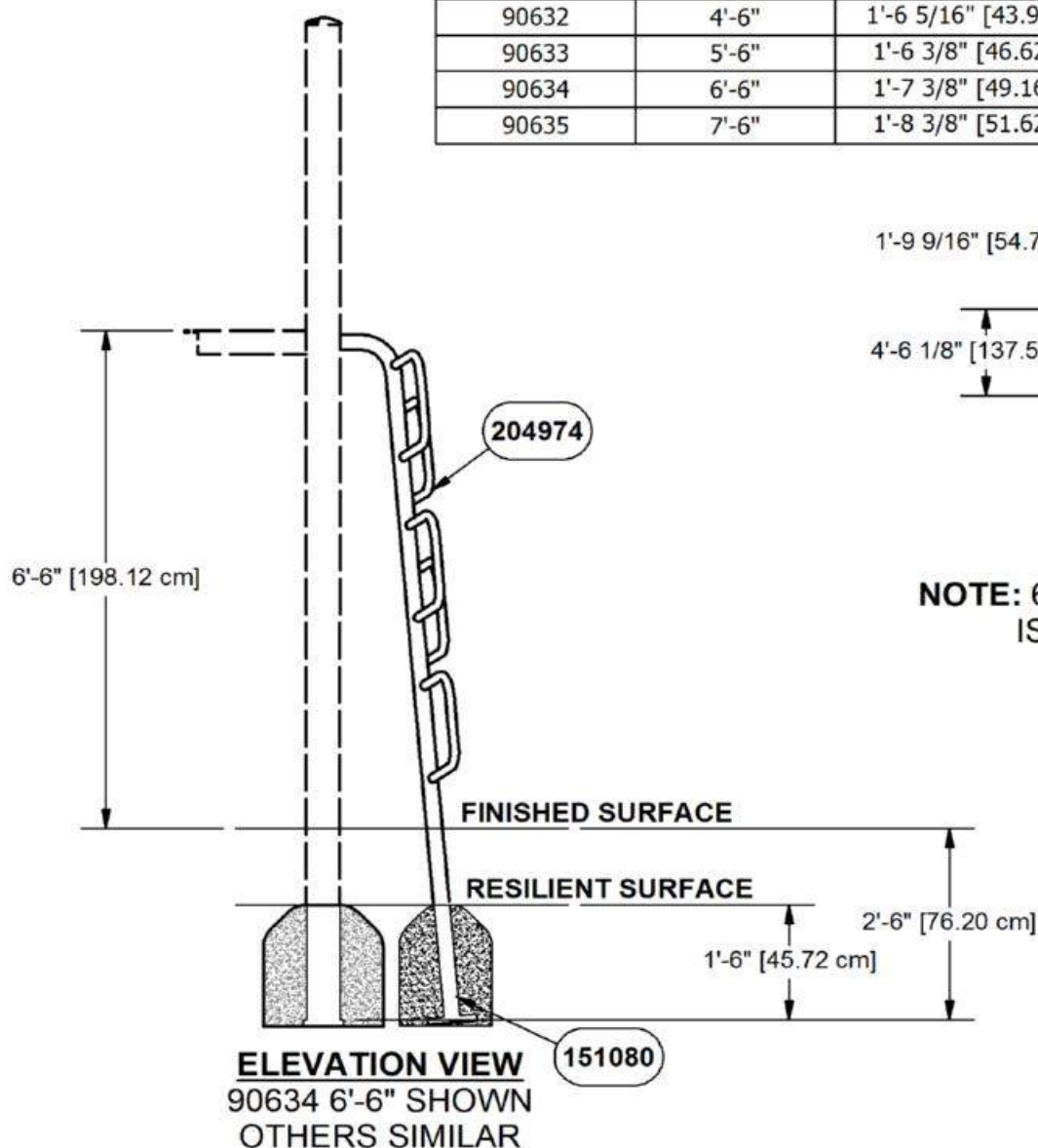


NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

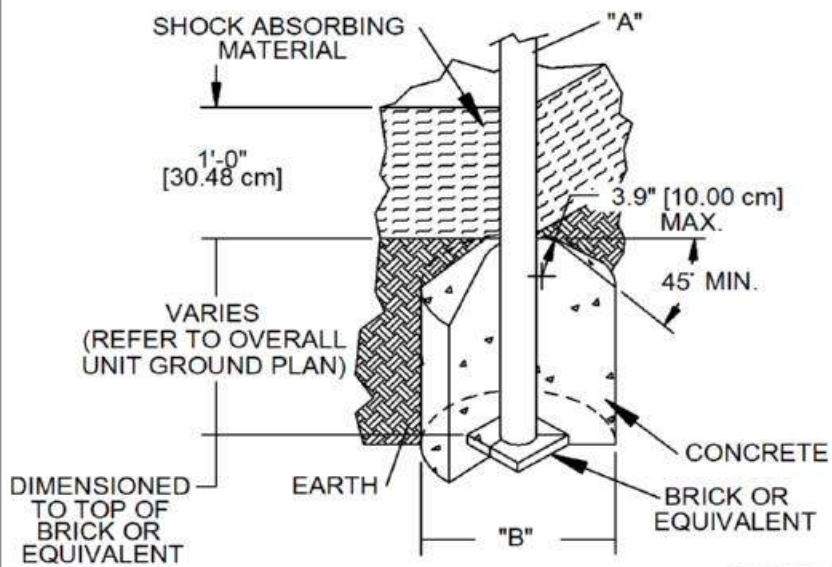
CONCRETE REQUIRED

.06 CUBIC YARDS
[.05 CUBIC METERS]

Table			
PART	DECK HEIGHT	DIM 'A'	DIM 'B'
90632	4'-6"	1'-6 5/16" [43.96 cm]	2'-6" [76.19 cm]
90633	5'-6"	1'-6 3/8" [46.62 cm]	2'-6 5/8" [77.78 cm]
90634	6'-6"	1'-7 3/8" [49.16 cm]	2'-7 1/4" [79.31 cm]
90635	7'-6"	1'-8 3/8" [51.62 cm]	2'-7 7/8" [80.97 cm]



NOTE: 6" EXTENSION (151080)
IS USED ONLY ON
90632 4'-6"
90633 5'-6"
90634 6'-6"
90635 7'-6"



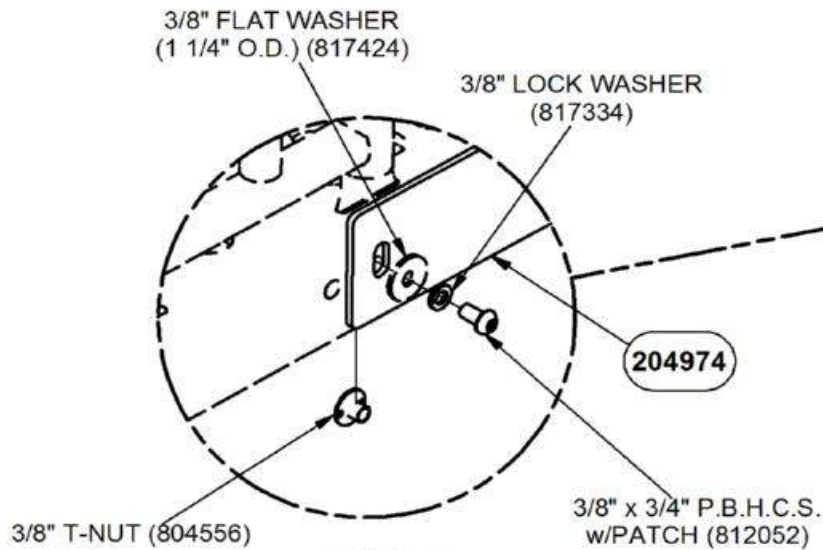
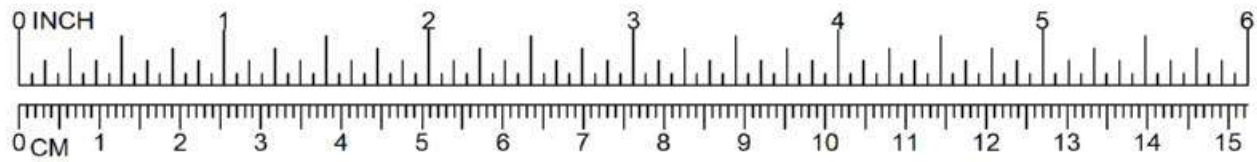
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

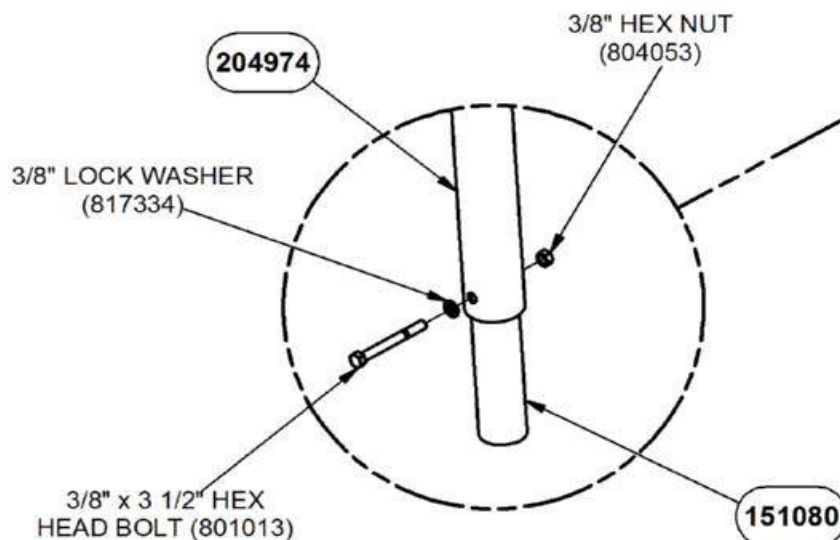
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL



STEP 2
2 PLACES



STEP 1

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List						
DESCRIPTION	90632	90633	90634	90635	90636	PART NUMBER
4' STEGO CLIMBER WELD ASS'Y	1	0	0	0	0	204966
5' STEGO CLIMBER WELD ASS'Y	0	1	0	0	0	204971
6' STEGO CLIMBER WELD ASS'Y	0	0	1	0	0	204974
7' STEGO CLIMBER WELD ASS'Y	0	0	0	1	0	204977
8' STEGO CLIMBER WELD ASS'Y	0	0	0	0	1	204980
HARDWARE COMPLETE	1	1	1	1	1	203649
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812052*
3/8" x 3 1/2" HEX HEAD BOLT	1	1	1	1	1	801013*
3/8" LOCK WASHER	3	3	3	3	3	817334*
3/8" HEX NUT	1	1	1	1	1	804053*
3/8" T-NUT	2	2	2	2	2	804556*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	817424*
6" EXTENSION	1	1	1	1	0	151080*

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

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

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

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

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.

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 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.

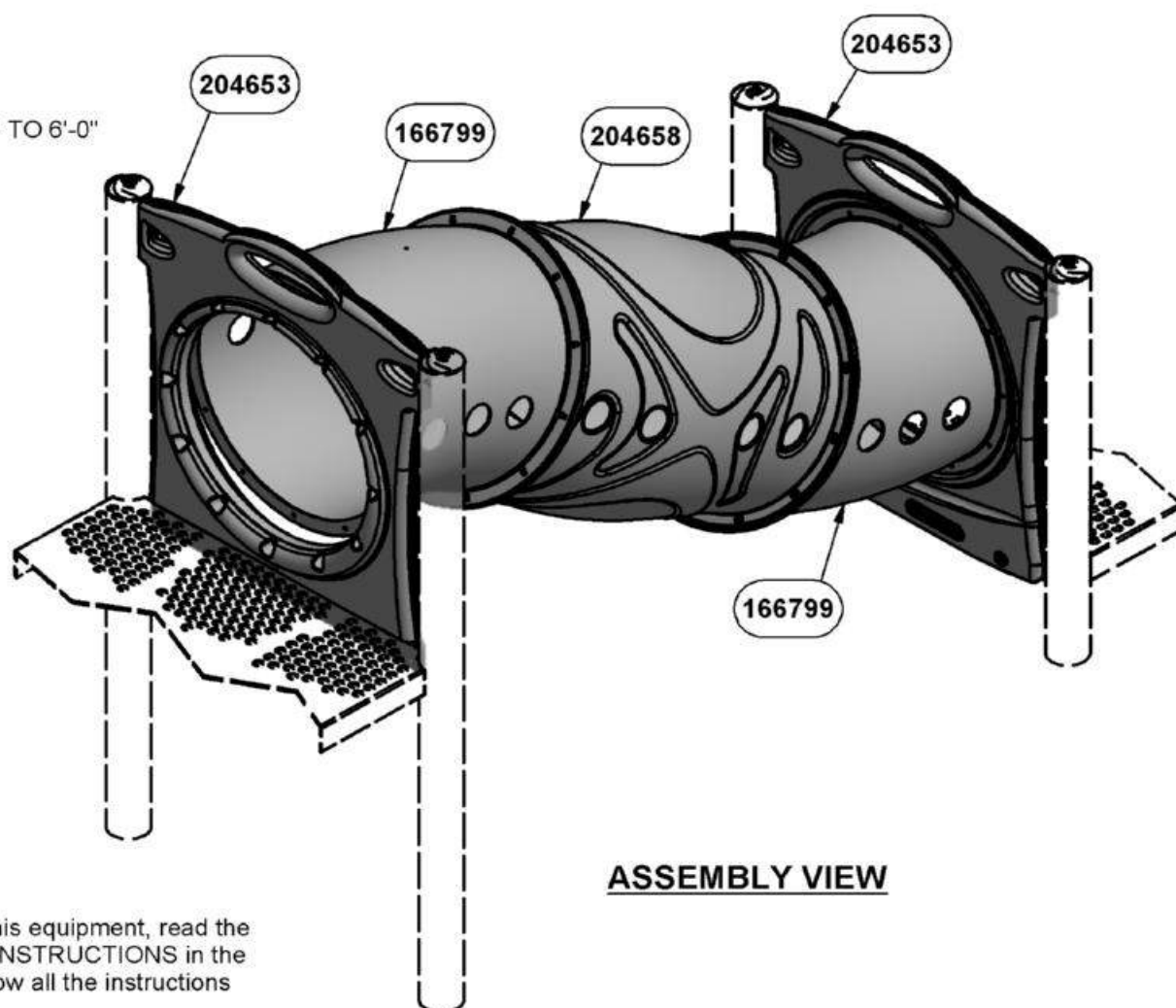
TUNNEL UP CRAWL TUBE



UP TO 5'-0"



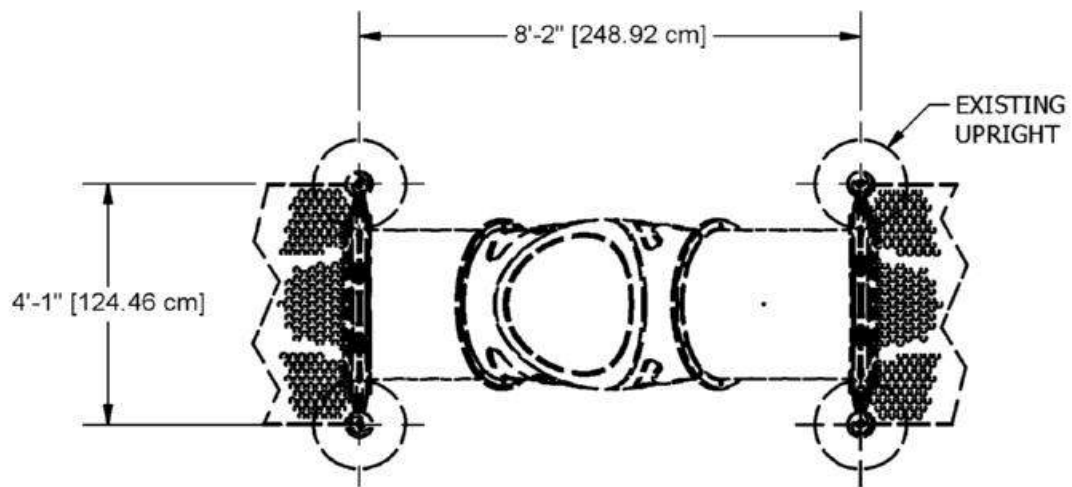
UP TO 6'-0"



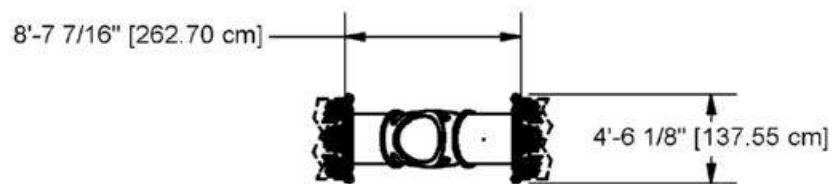
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

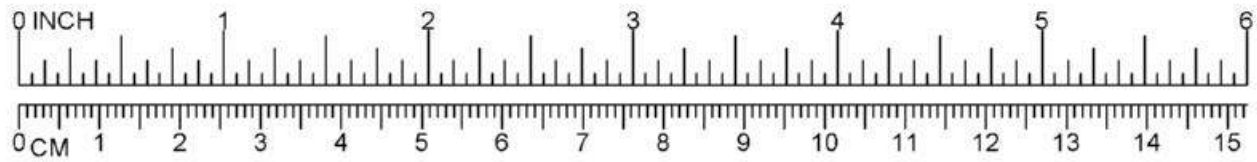
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



PLAN VIEW



TOP VIEW



3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" LOCK WASHER
(817334)

3/8" x 2 1/2"
P.B.H.C.S. w/PATCH
(812057)

204653

3/8" T-NUT (804556)

STEP 2
4 PLACES

204653

3/8" x 2 1/4"
P.B.H.C.S. w/PATCH
(812056)

3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

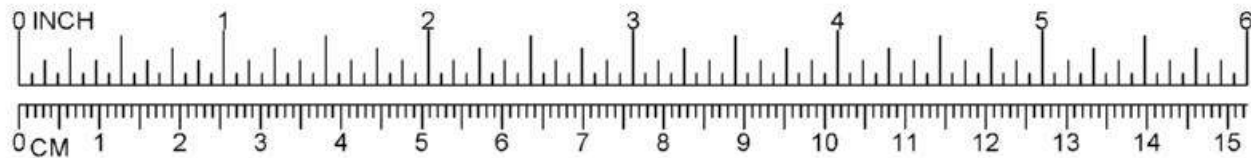
3/8" LOCK WASHER
(817334)

STEP 1
4 PLACES

204653

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



5/16" FLATWASHER
(1 1/8" O.D.) (817403)

5/16" LOCK WASHER
(817330)

5/16" x 1 3/4"
P.B.H.C.S. w/PATCH
(812047)

5/16" T-NUT (804555)

204653

166799

STEP 3
24 PLACES

5/16" x 3/4"
P.B.H.C.S. w/PATCH
(812040)

5/16" LOCK WASHER
(817330)

5/16" FLATWASHER
(1 1/8" O.D.) (817403)

204658

166799

5/16" T-NUT (SHORT)
(804558)

STEP 4
24 PLACES

204653

166799

204658

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

PAGE 4

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
SHORT CRAWL TUBE PANEL	2	204653
ELBOW w/SPY HOLES	2	166799
49" CRAWL TUBE P/S	1	204658
HARDWARE COMPLETE	1	204960
5/16" x 3/4" P.B.H.C.S. w/PATCH	24	812040*
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	24	812047*
5/16" FLATWASHER (1 1/8" O.D.)	48	817403*
5/16" LOCK WASHER	48	817330*
5/16" T-NUT	24	804555*
5/16" T-NUT (SHORT)	24	804558*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	812056*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	4	812057*
3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
3/8" LOCK WASHER	8	817334*
3/8" T-NUT	4	804556*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

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

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

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.

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 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.

16717 ACCESSIBLE RAMP LINK

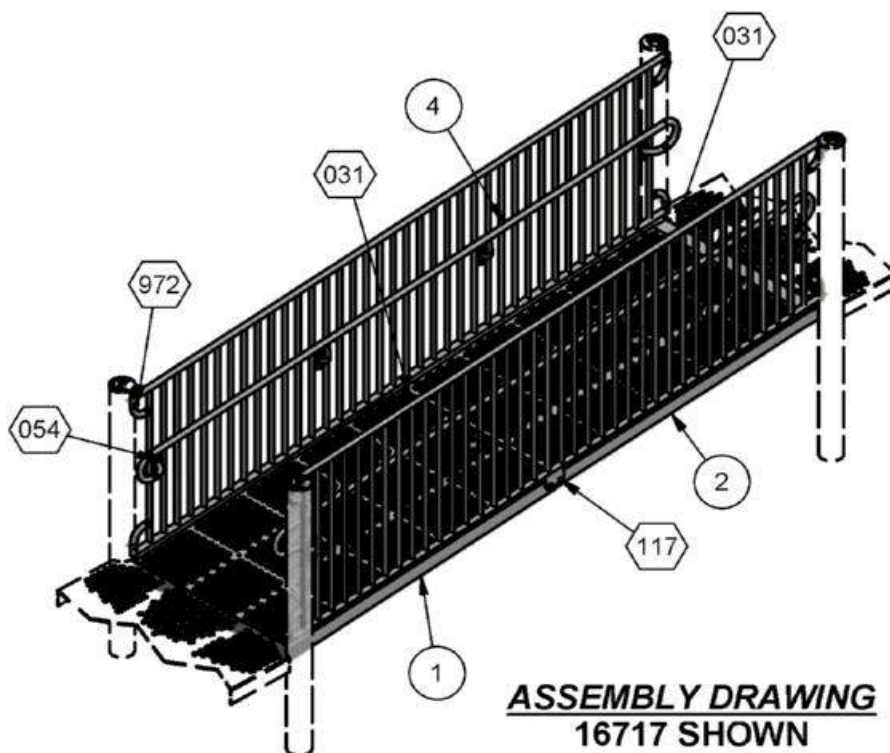


16717
 1'-6" THRU 5'-0"
 90674
 90676
 1'-6" THRU 2'-6"



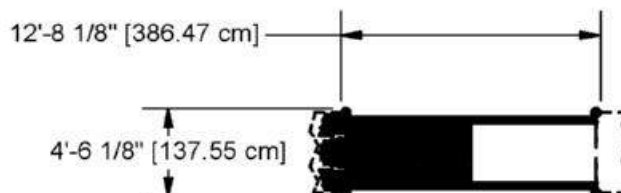
16717
 1'-6" THRU 8'-0"
 90674
 90676
 90677
 1'-6" THRU 4'-0"

NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.

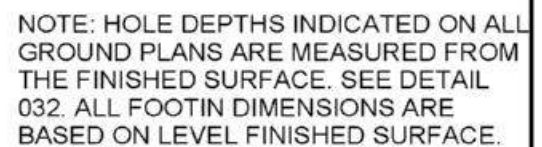
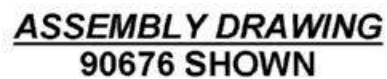


INSTALLATION INSTRUCTIONS

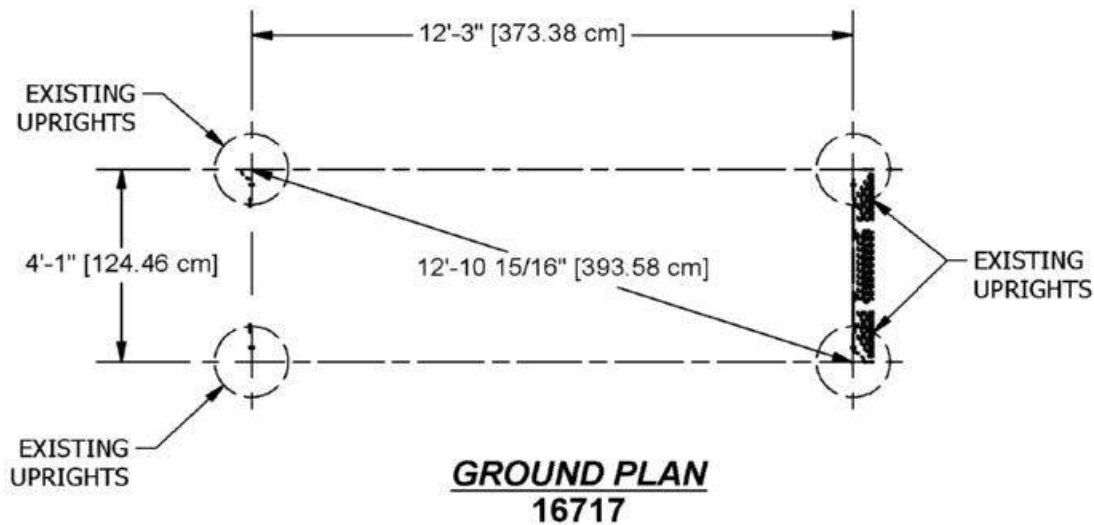
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.



TOP VIEW



GROUND PLAN
90674, 90676 & 90677



Parts List						
REF.	DESCRIPTION	16717	90674	90676	90677	PART NUMBER
1	RAMP SECTION	1	1	1	1	164045
2	RAMP SECTION	1	1	1	1	164042
3	RAMP BARRIER	2	0	0	0	176711
3	RAMP GUARDRAIL WELD ASS'Y	0	2	2	2	205003
4	HAND HOLD	2	2	2	2	176728
5	GROUND SUPPORT 2'	0	2	0	0	205414
5	GROUND SUPPORT 3'	0	0	2	0	205416
5	GROUND SUPPORT 4'	0	0	0	2	205418
	HARDWARE COMPLETE	1	0	0	0	166304
	HARDWARE COMPLETE	0	1	1	1	205437
	3/8" x 3/4" P.B.H.C.S. w/PATCH	16	16	16	16	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	16	16	16	16	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	0	2	2	2	801013*
	3/8" FLAT WASHER	40	40	40	40	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCK WASHER	40	42	42	42	817334*
	3/8" ACORN NUT	16	16	16	16	804002*
	3/8" T-NUT	16	16	16	16	804556*
	3/8" HEX NUT	0	2	2	2	804053*
	6" EXTENSION	0	2	2	2	151080*

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

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

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

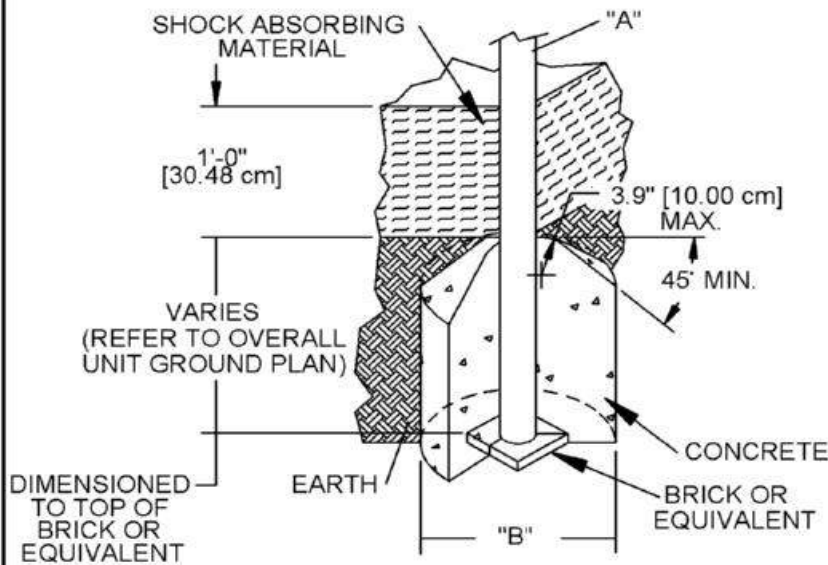
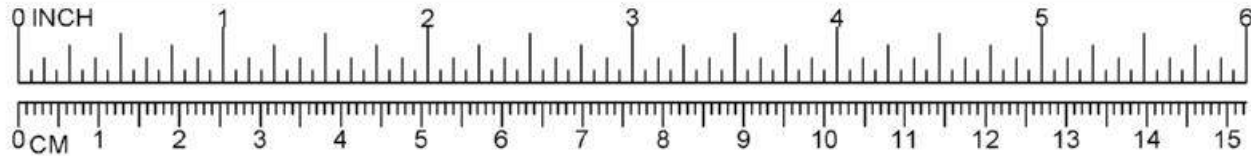
DETAILS -for- 16717, 90674, 90676 & 90677

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.



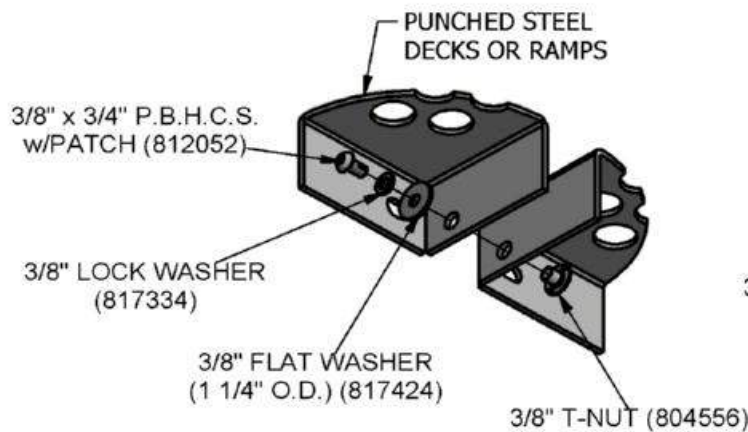
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

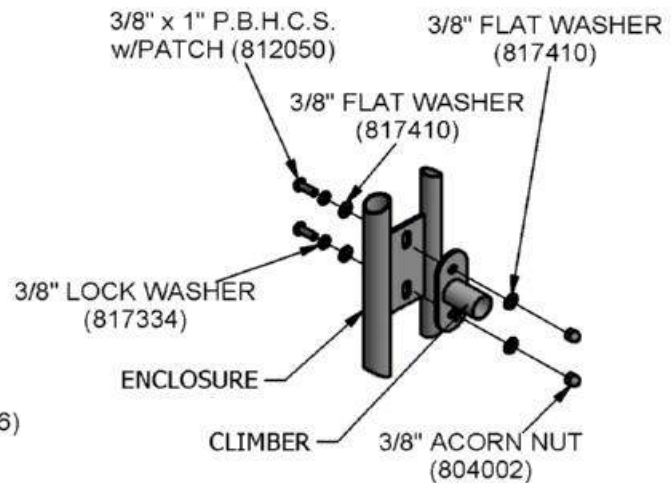
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



031



054

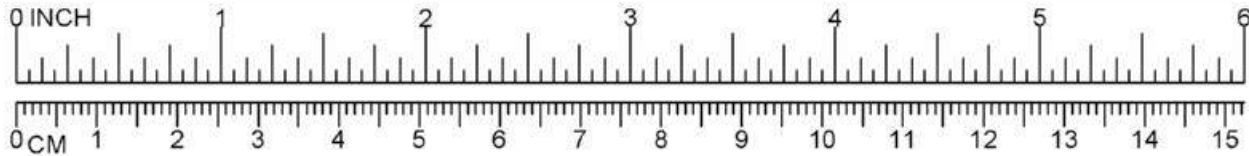
DETAILS -for- 16717, 90674, 90676 & 90677

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.

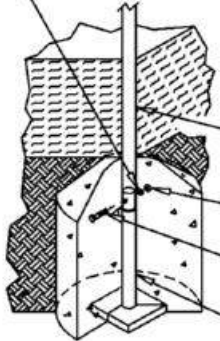
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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

3/8" LOCKWASHER
(817334)



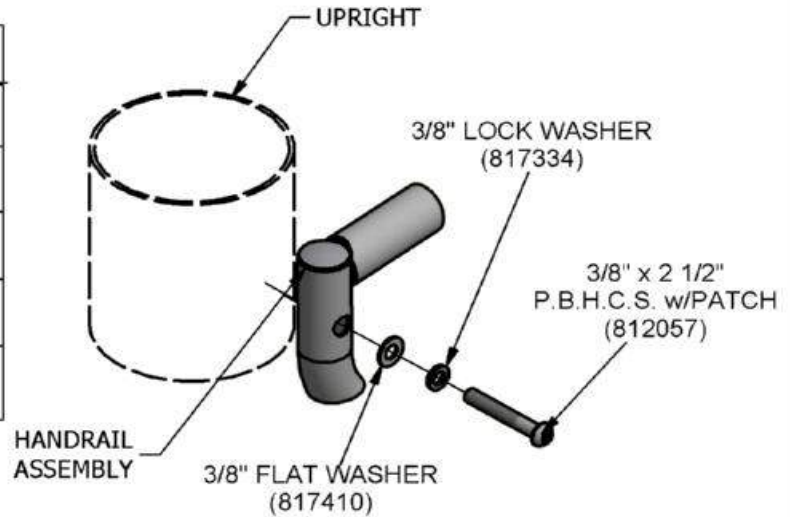
LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

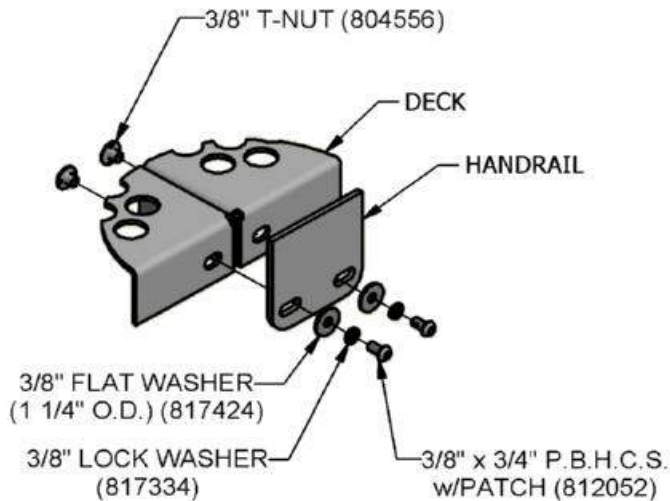
SEE CHART
FOR SIZE

EXTENSION

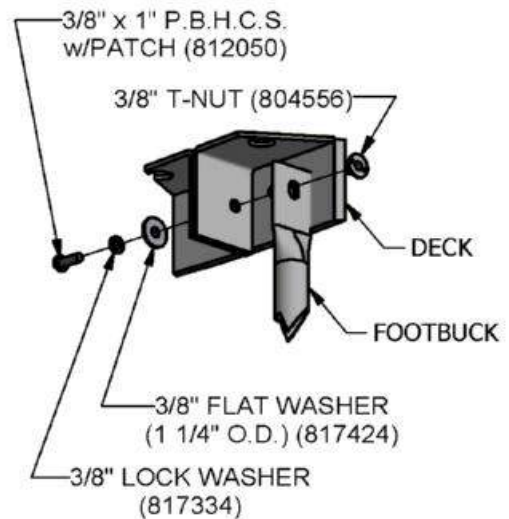
061



972



117



716

PowerScape



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 12/13/2021

90711

STEEL
DRUM

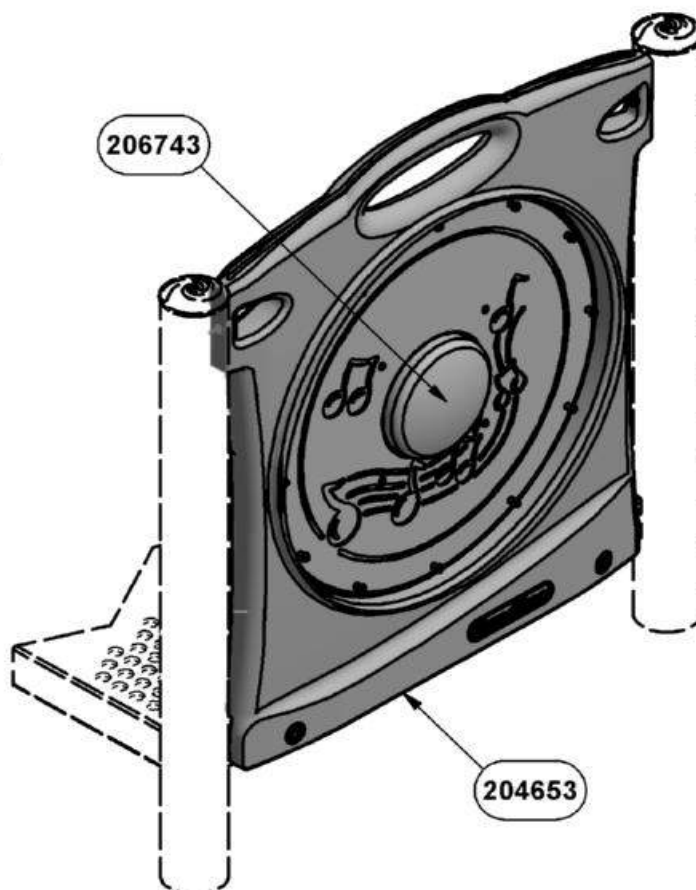


UP TO 5'-0"



UP TO 8'-0"

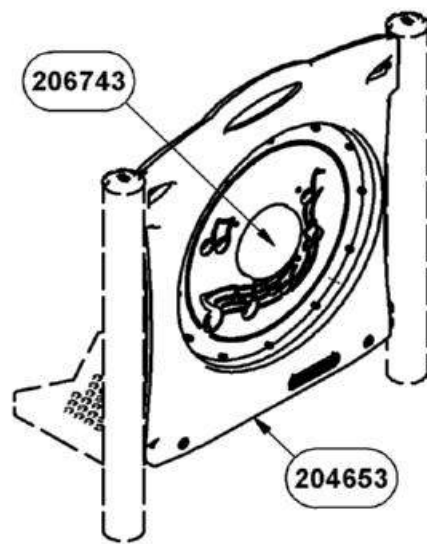
STEEL DRUM	90711
AIR LOCK COG	90712
FROG SLIDE PUZZLE	90713
TWIST BALL RUN	90715
COLOR WHEEL	90716



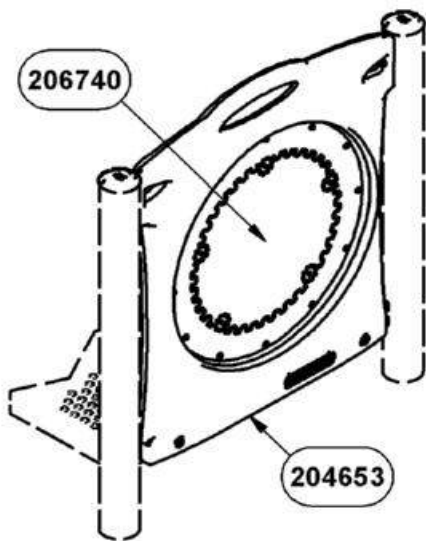
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

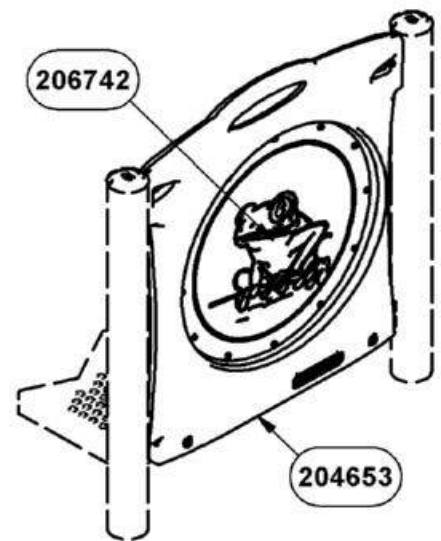
ASSEMBLY VIEW
90711 SHOWN



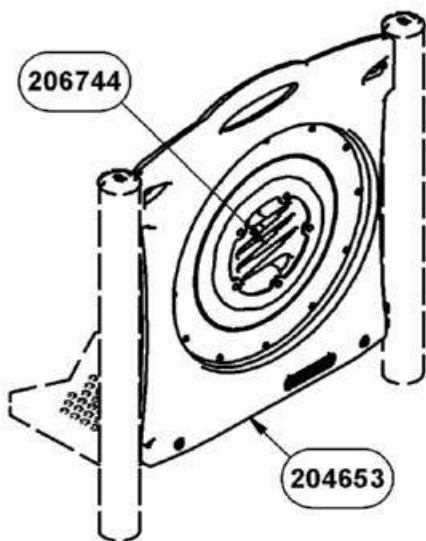
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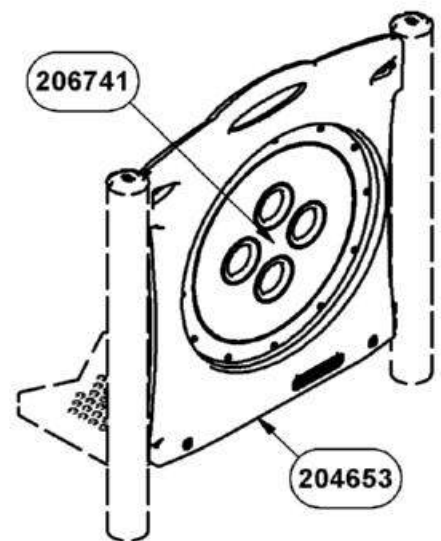
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90713

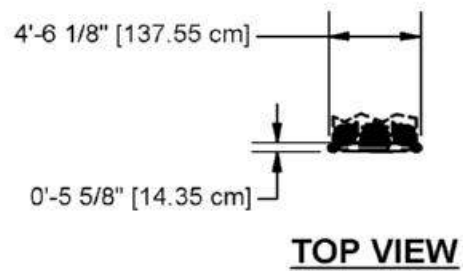
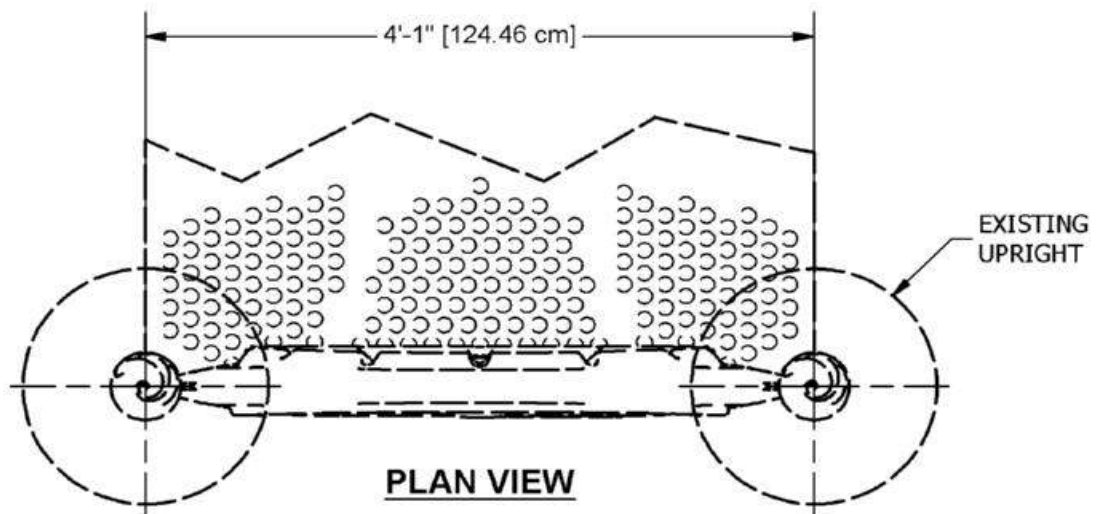


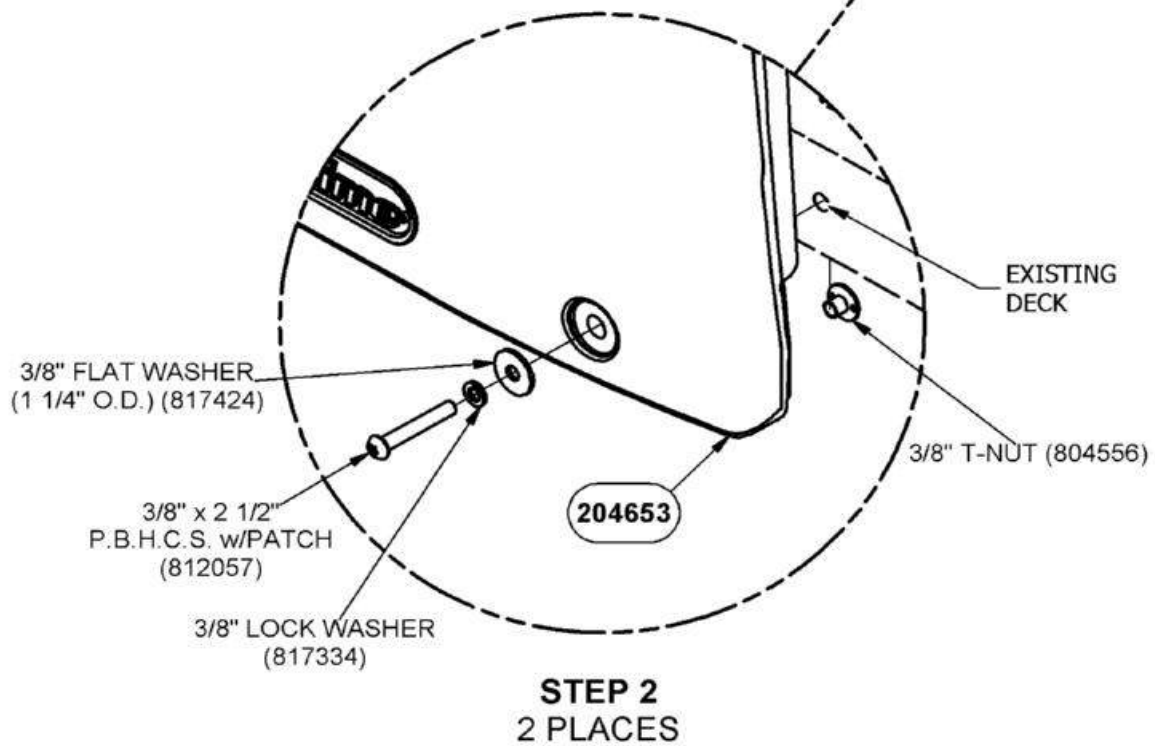
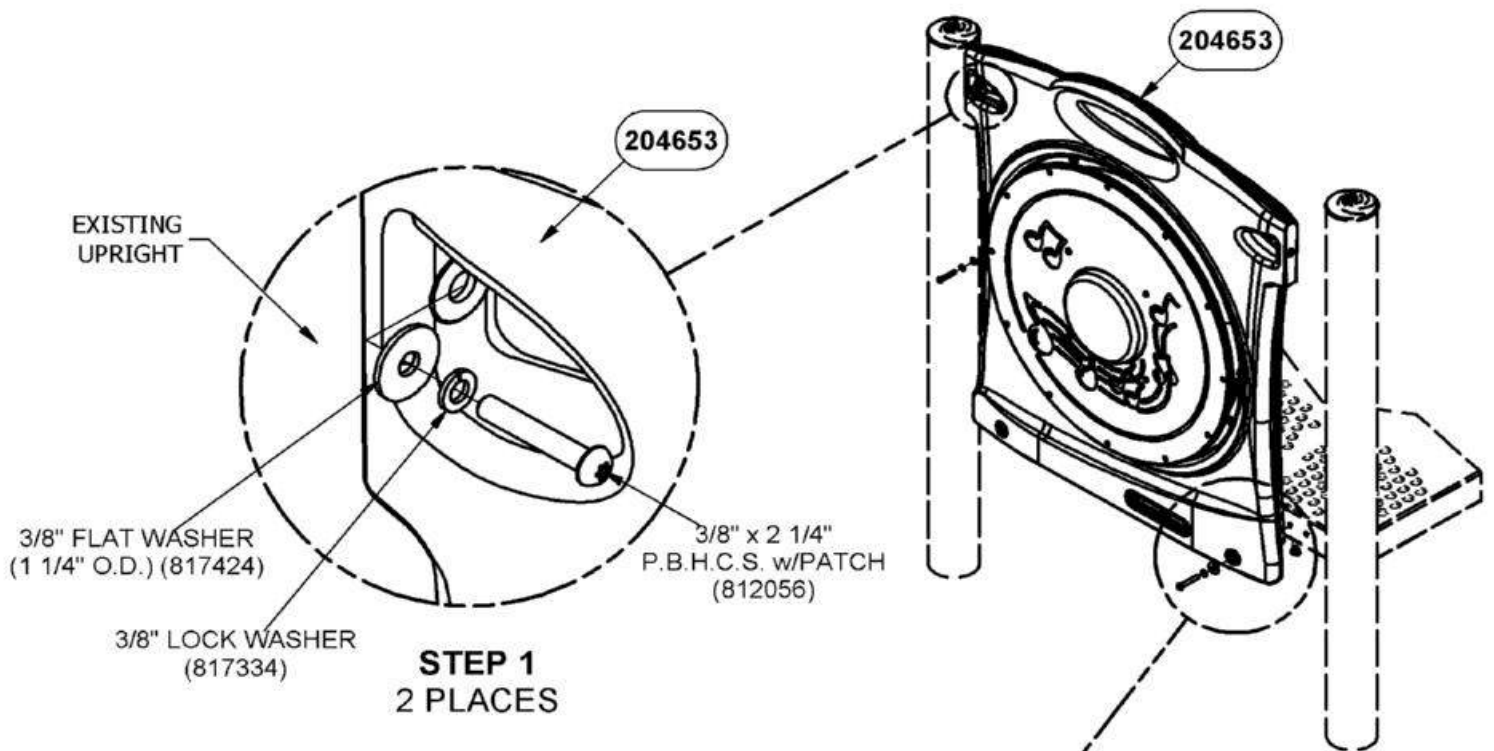
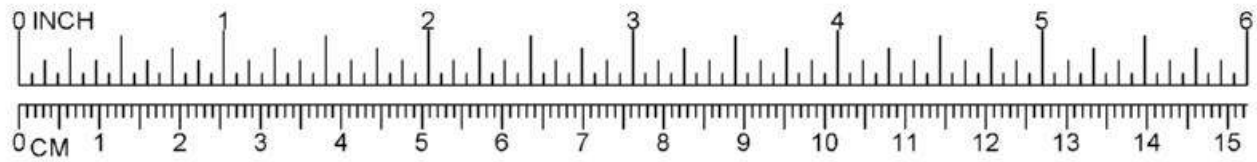
90715



90716

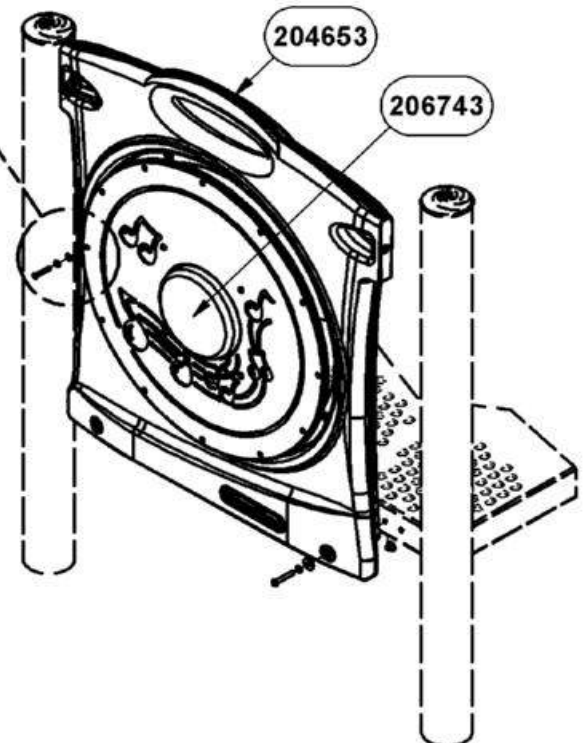
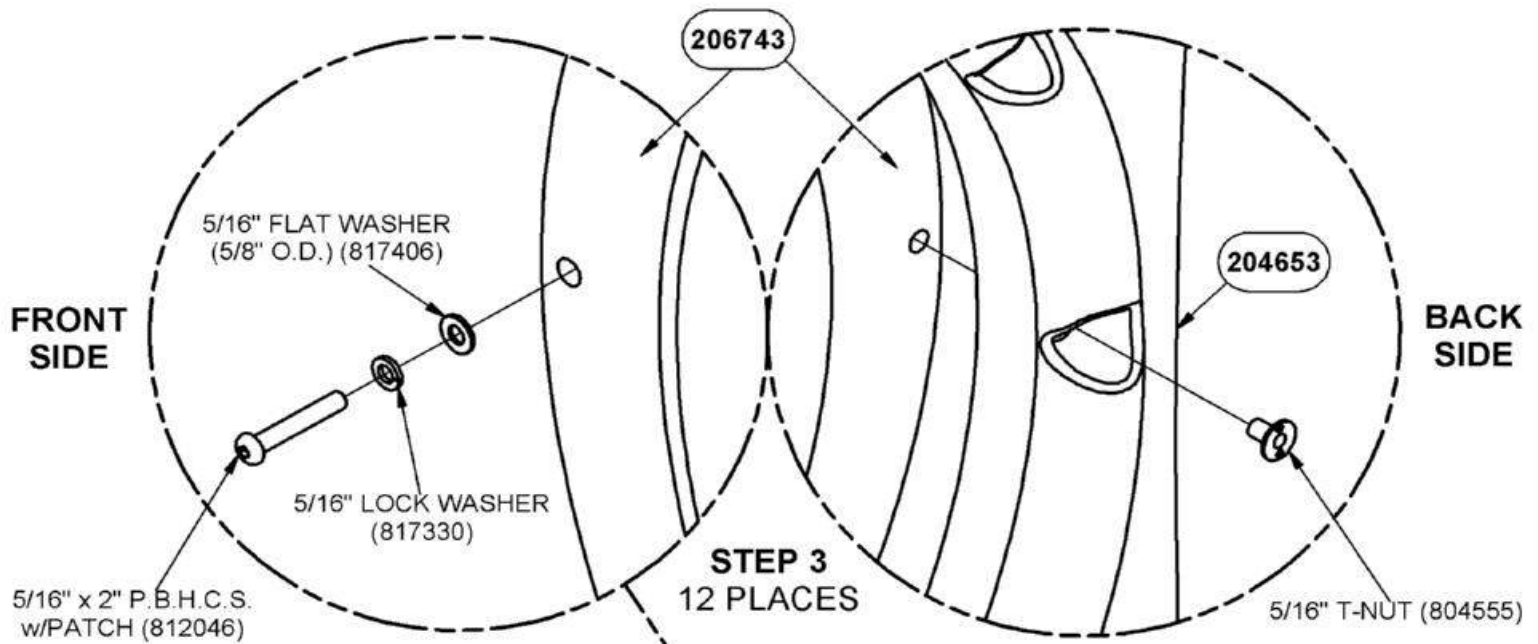
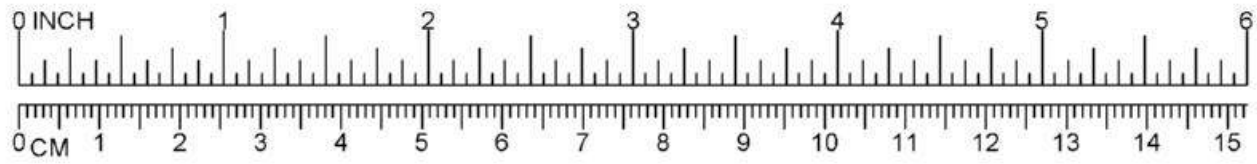
ASSEMBLY VIEW





NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List						
DESCRIPTION	90711	90712	90713	90715	90716	PART NUMBER
SHORT CRAWL TUBE PANEL	1	1	1	1	1	204653
STEEL DRUM GADGET	1	0	0	0	0	206743
AIR LOCK COG GADGET	0	1	0	0	0	206740
FROG SLIDE PUZZLE GADGET	0	0	1	0	0	206742
TWIST BALL RUN GADGET	0	0	0	1	0	206744
COLOR WHEEL GADGET	0	0	0	0	1	206741
HARDWARE COMPLETE	1	1	1	1	1	206747
5/16" x 2" P.B.H.C.S. w/PATCH	12	12	12	12	12	812046*
5/16" FLAT WASHER (5/8" O.D.)	12	12	12	12	12	817406*
5/16" LOCK WASHER	12	12	12	12	12	817330*
5/16" T-NUT	12	12	12	12	12	804555*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	4	4	4	4	812056*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812057*
3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	817424*
3/8" LOCK WASHER	4	4	4	4	4	817334*
3/8" T-NUT	2	2	2	2	2	804556*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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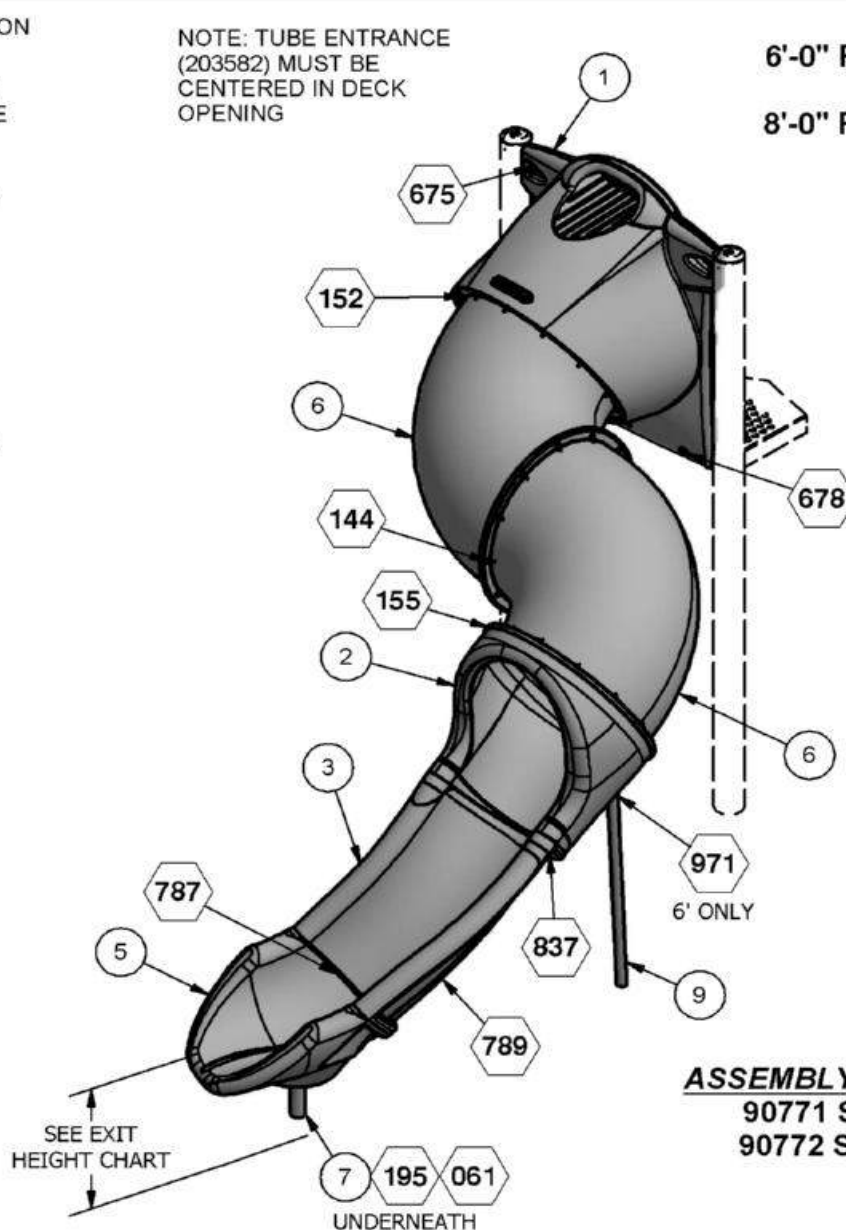
ISSUED/REVISED: 4/5/2024

90771 WILDERTUBE QUICK "S" SLIDE

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

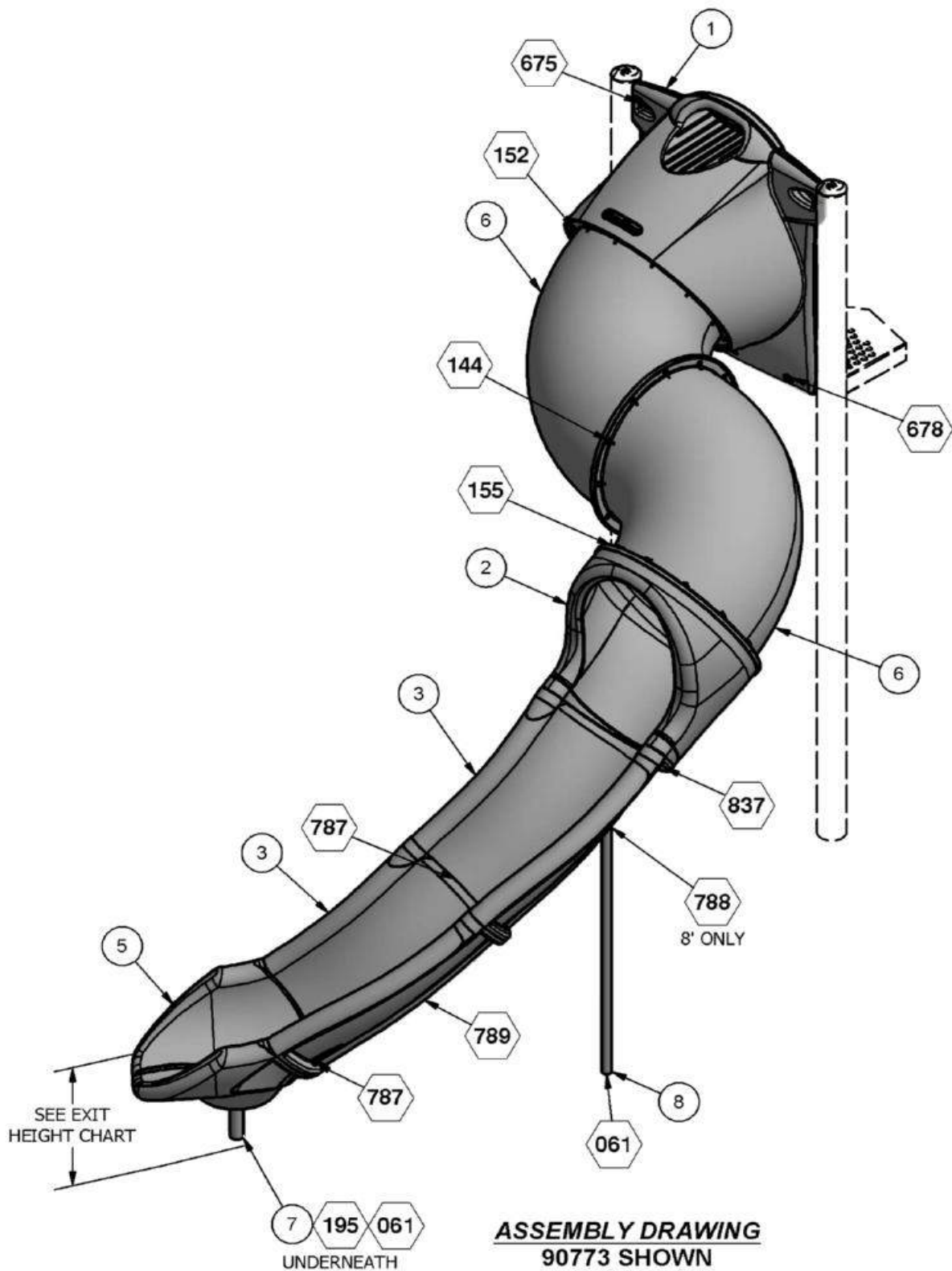
NOTE: TUBE ENTRANCE
(203582) MUST BE
CENTERED IN DECK
OPENING

6'-0"	90771
6'-0" REVERSE	90772
8'-0"	90773
8'-0" REVERSE	90774

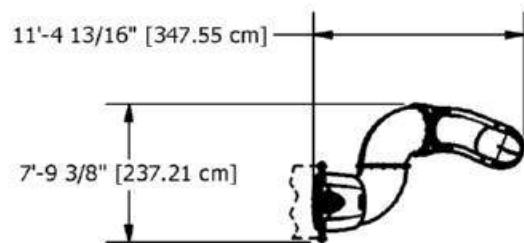


ASSEMBLY DRAWING
90771 SHOWN
90772 SIMILAR

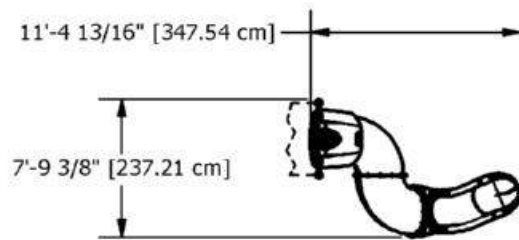
EXIT HEIGHT CHART -for- 90771, 90772, 90773, & 90774	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS



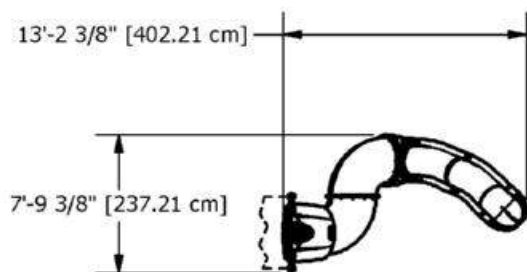
ASSEMBLY DRAWING
90773 SHOWN
90774 SIMILAR



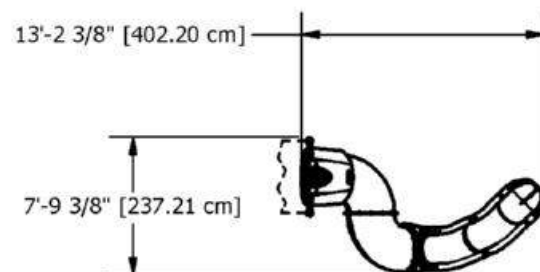
90771



90772

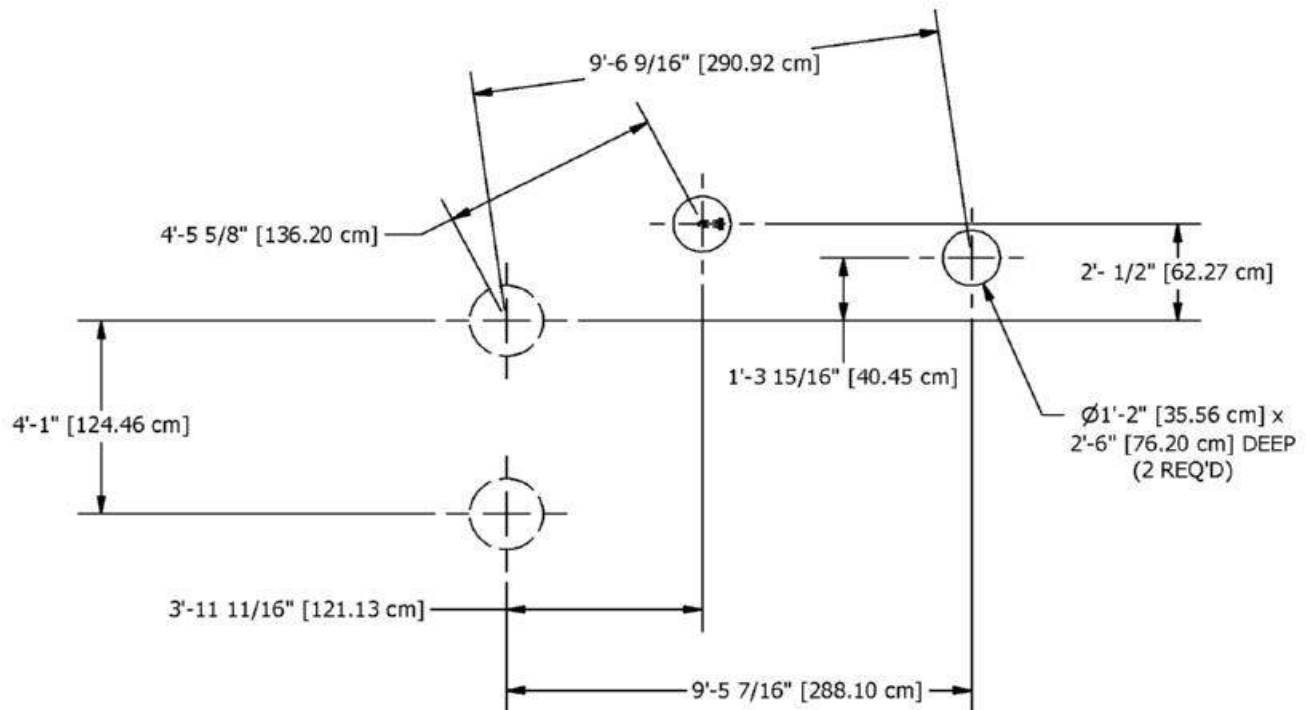


90773



90774

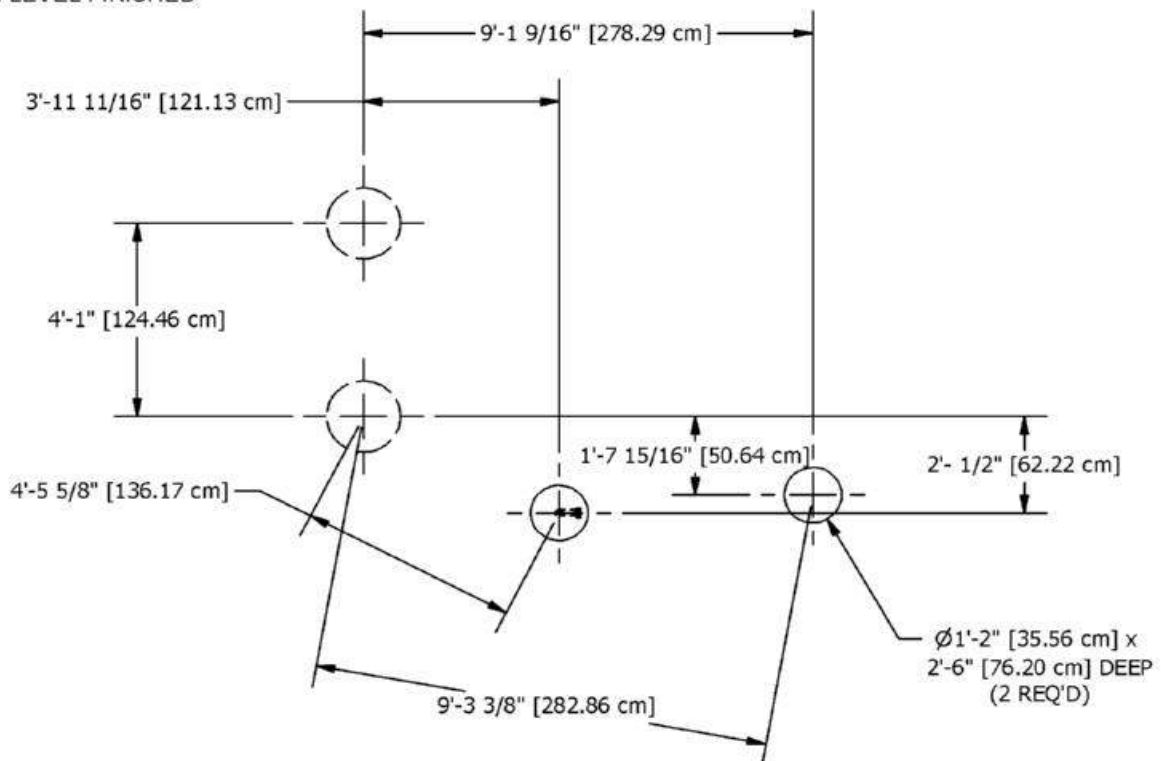
TOP VIEWS



90771

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

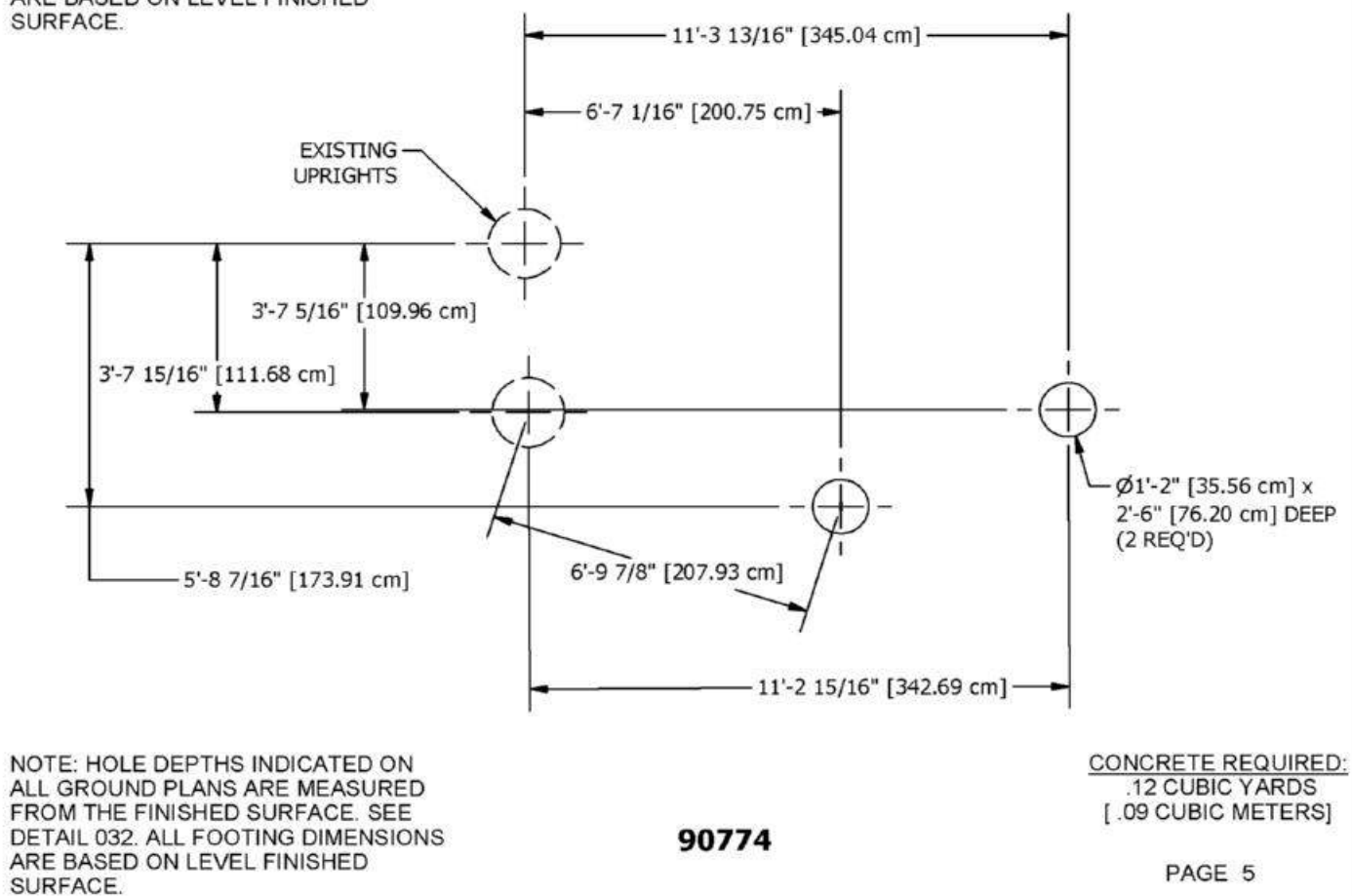
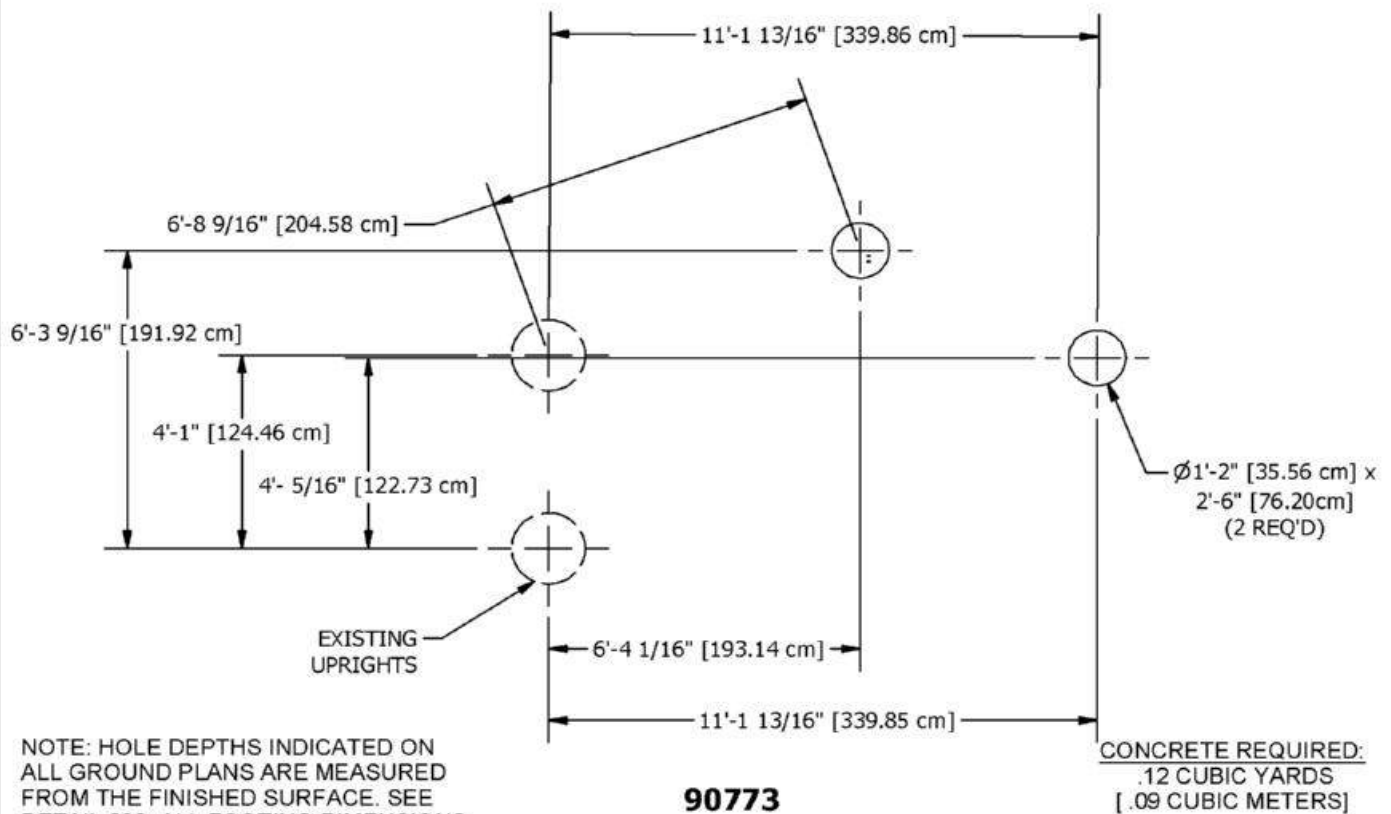


90772

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
.12 CUBIC YARDS
[.09 CUBIC METERS]

GROUND PLANS



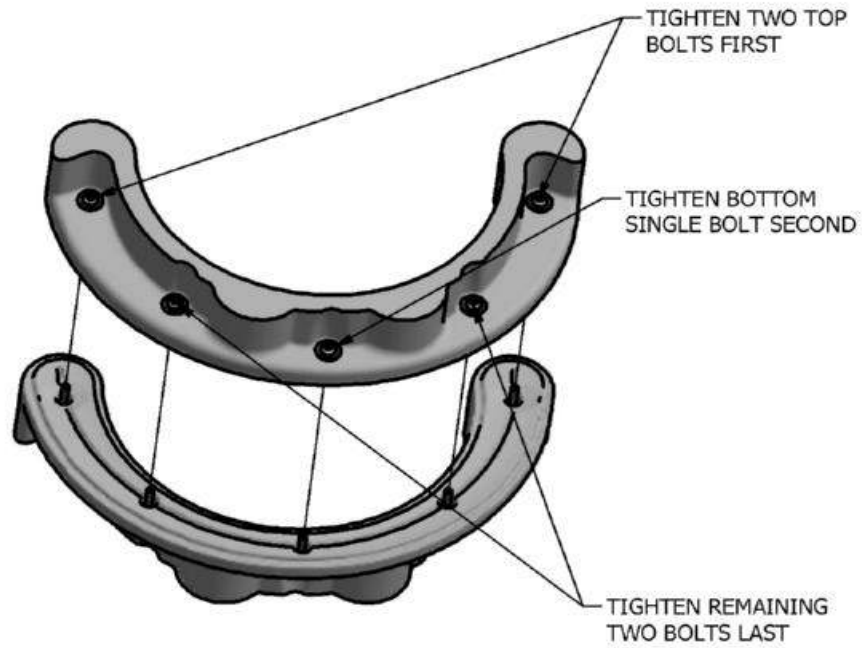


FIGURE #1

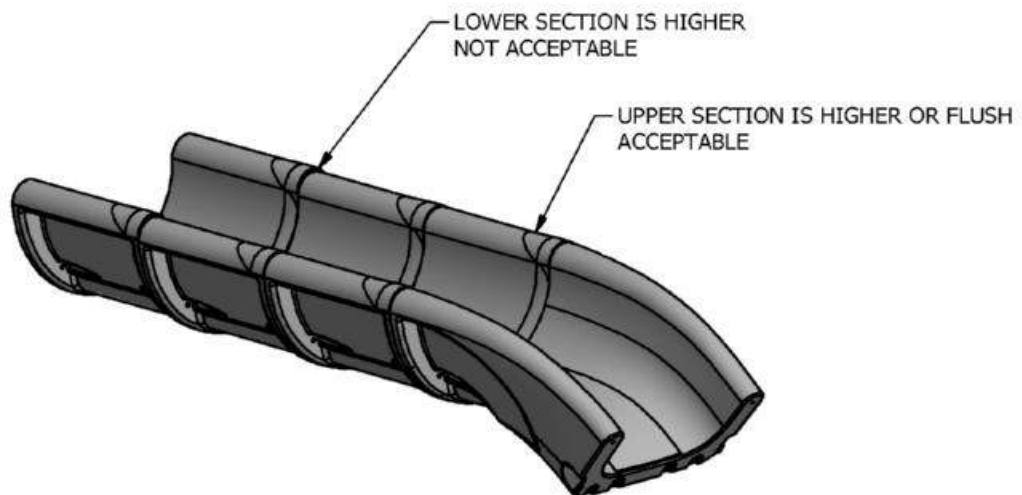
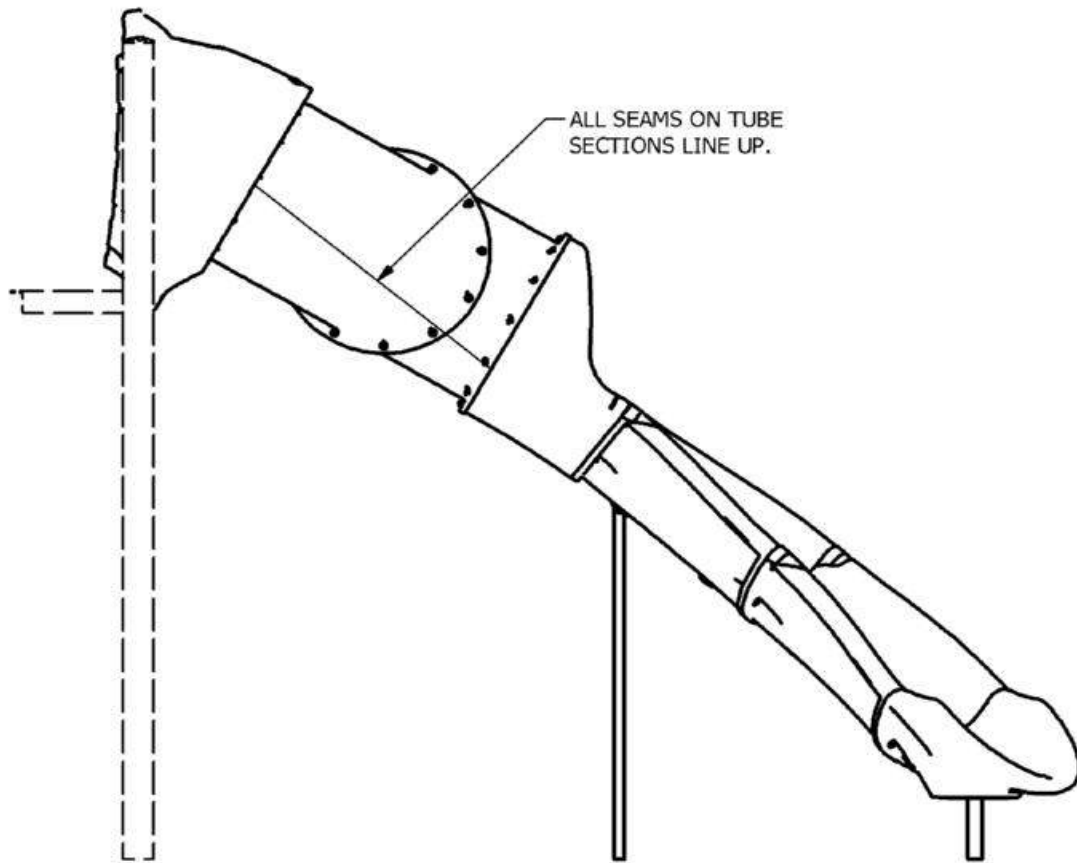


FIGURE #2



ELEVATION VIEW

INSTALLATION

INSTRUCTIONS for SINGLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Tube Entrance using Detail 675 and 678.
4. Attach 90 Degree Elbow to the Entrance using Detail 152. Position Elbow with the index lines at 3 and 9 o'clock positions. Note the direction of the slide on your top view. See Details 173 & 261.
5. Attach 90 Degree Elbow to 90 Degree Elbow together using Detail 144. Align all index lines together. See Detail 173 and Elevation View.
6. Attach WilderTube Section to the last Tube Section using Detail 155.
7. Attach Extension To Footbuck and Slide Support using Detail 061.
8. Attach Footbuck to Exit Section using Detail 195.

9. Assemble all open slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.

Note: Refer to your units Top View for proper placement and orientation of each slide section.

10. Once all sections are bolted together, hand tight, install the open slide to the WilderTube Section using Detail 837.
11. Starting at the top open slide section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
12. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
13. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 11 and 12 until seams are properly fitted.
14. After the slide is adjusted and the bolts are tight, attach the slide support using Detail 788 or 971. (if required).
15. Use Detail 789 to plug inserts in Straight and Curved Sections as required.

PARTS LIST						
REF	DESCRIPTION	90771	90772	90773	90774	PART NUMBER
1	TUBE ENTRANCE	1	1	1	1	203582
2	WILBERTUBE SECTION	1	1	1	1	207772
3	CURVED RIGHT SECTION	1	0	2	0	205964
4	CURVED LEFT SECTION	0	1	0	2	205963
5	EXIT SECTION	1	1	1	1	206179
6	90° ELBOW	2	2	2	2	153844
7	FOOTBUCK WELD ASS'Y	1	1	1	1	208853
8	SUPPORT ASS'Y 2	0	0	1	1	312637
9	TUBE SUPPORT	1	1	0	0	160682
	HARDWARE COMPLETE	1	1	0	0	208987
	HARDWARE COMPLETE	0	0	1	1	208988
	5/16" x 3/4" P.B.H.C.S. w/PATCH	12	12	12	12	812040*
	5/16" x 1" P.B.H.C.S. w/PATCH	24	24	24	24	812042*
	5/16" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	0	0	812045*
	5/16" FLATWASHER (1 1/8" O.D.)	36	36	36	36	817403*
	5/16" LOCK WASHER	36	36	36	36	817330*
	5/16" T-NUT (SHORT)	12	12	12	12	804558*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	4	4	8	8	812050*
	3/8" x 2" P.B.H.C.S. w/PATCH	7	7	12	12	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	5	5	5	5	812057*
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	1	1	801009*
	3/8" x 3 1/2" HEX HEAD BOLT	1	1	1	1	801013*
	3/8" FLAT WASHER (1 1/4" O.D.)	10	10	15	15	817424*
	3/8" FLAT WASHER	9	9	9	9	817410*
	3/8" LOCK WASHER	18	18	25	25	817334*
	3/8" HEX NUT	1	1	2	2	804053*
	3/8" T-NUT	2	2	2	2	804556*
	3/8" BARREL NUT LONG	5	5	10	10	804820*
	1/2" FLAT WASHER (1 3/8" O.D.)	6	6	11	11	817425*
	8" EXTENSION	1	1	1	1	151080*
	EXTENSION LEG	0	0	1	1	152110*

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.

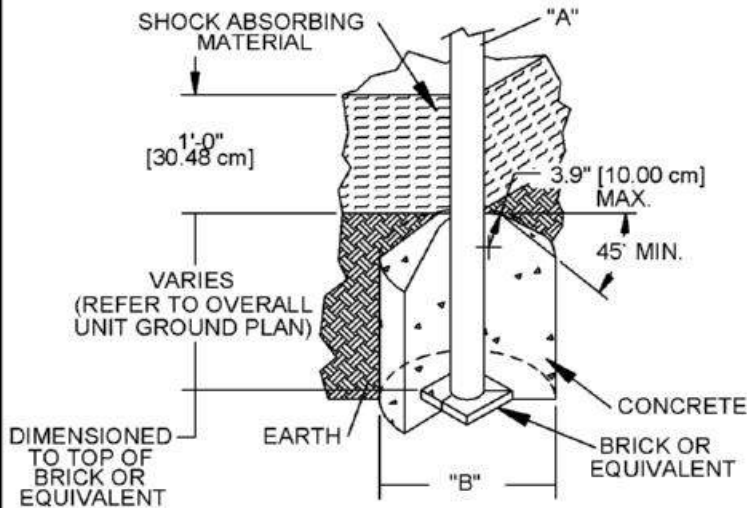
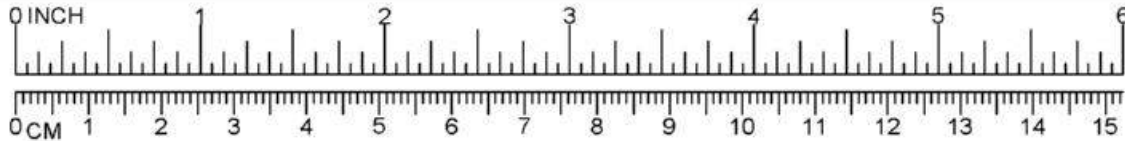
DETAILS -for- 90771, 90772, 90773, & 90774

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.



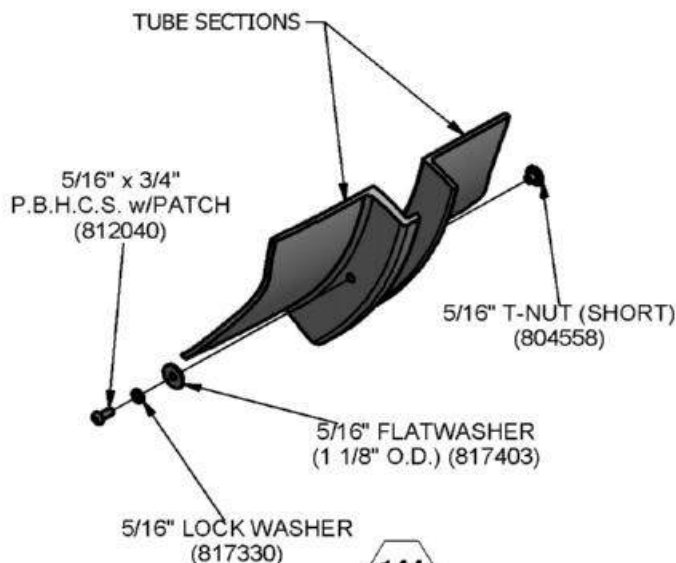
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

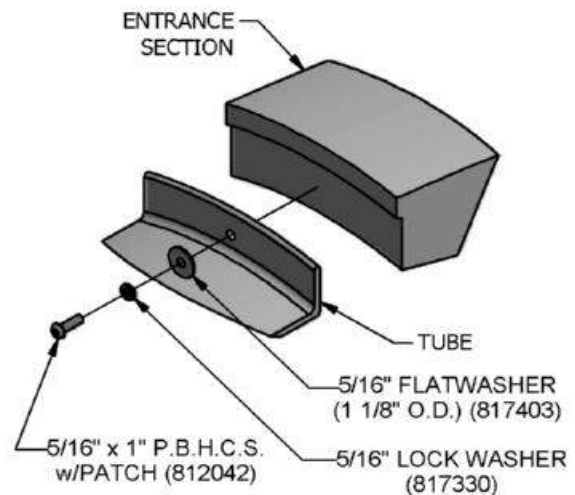
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



144



152

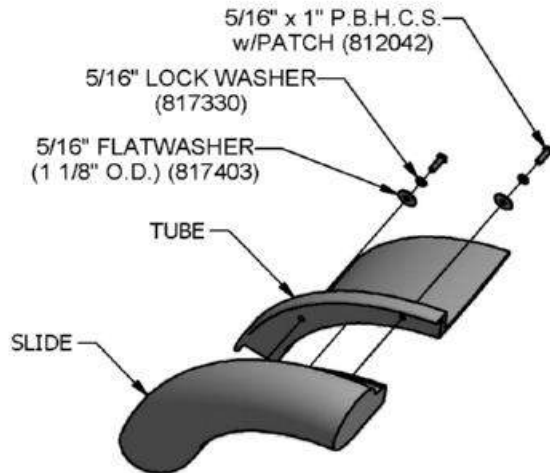
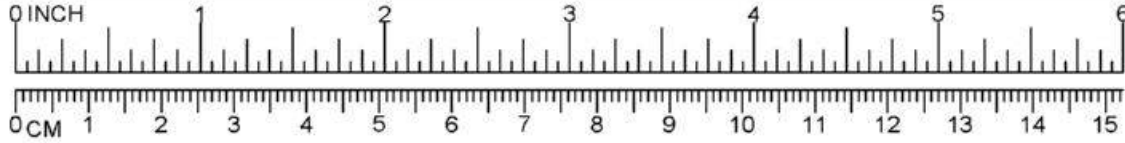
DETAILS -for- 90771, 90772, 90773, & 90774

IMPORTANT

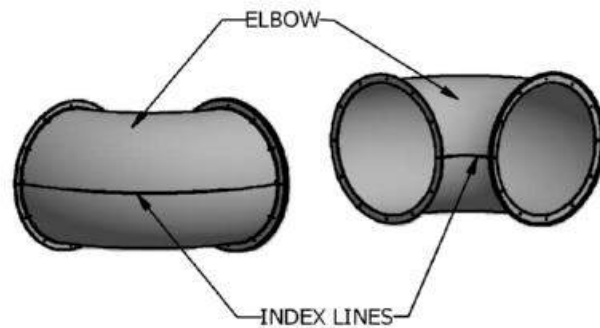
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

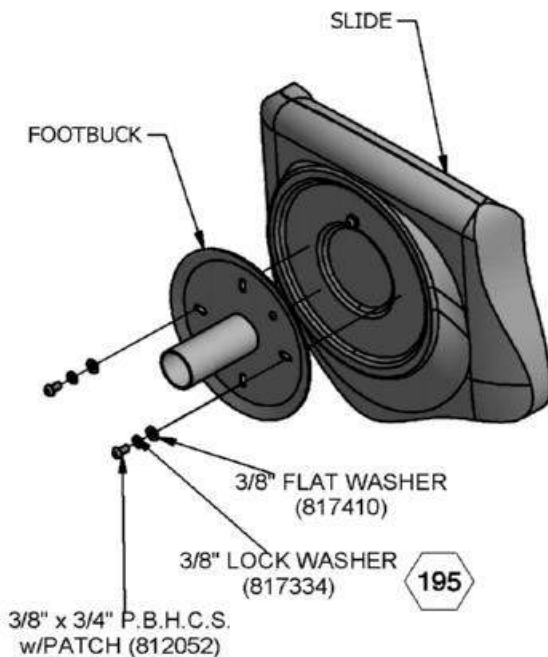
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



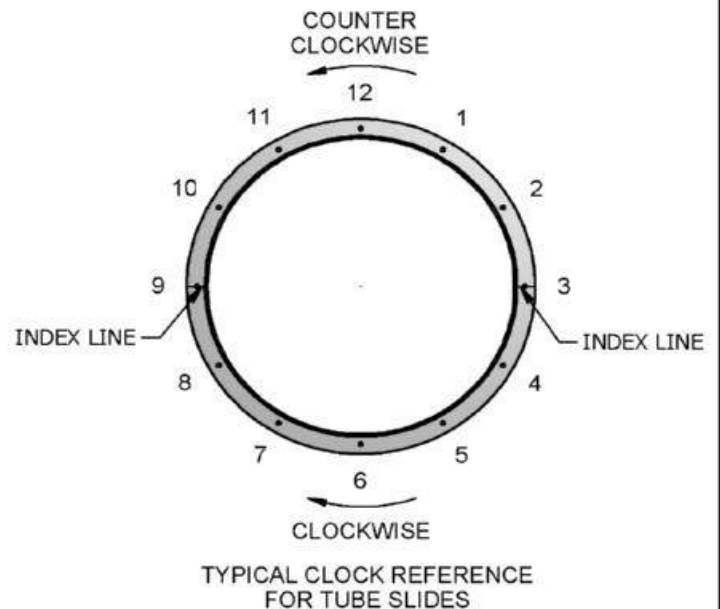
155



173



195



261

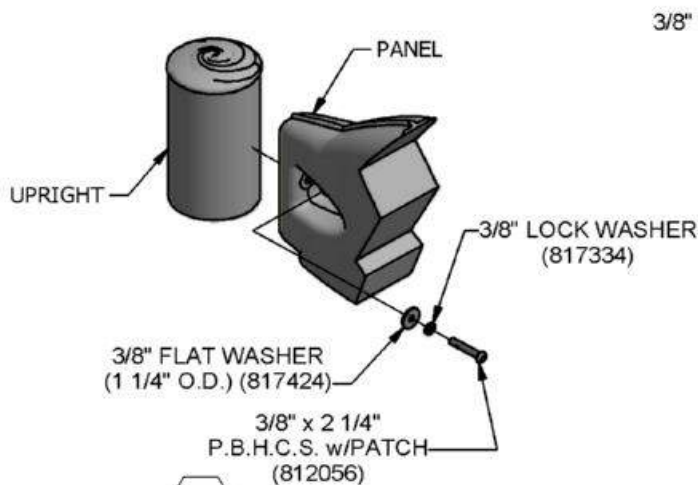
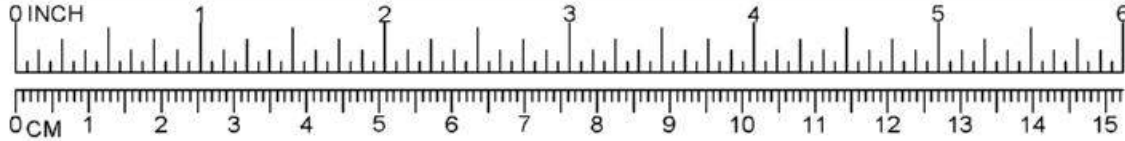
DETAILS -for- 90771, 90772, 90773, & 90774

IMPORTANT

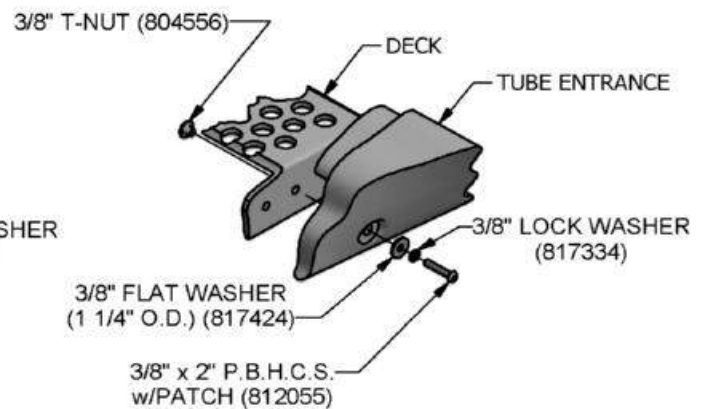
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

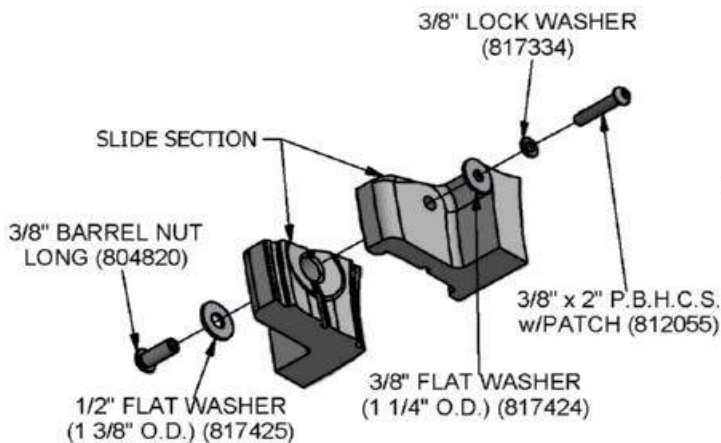
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



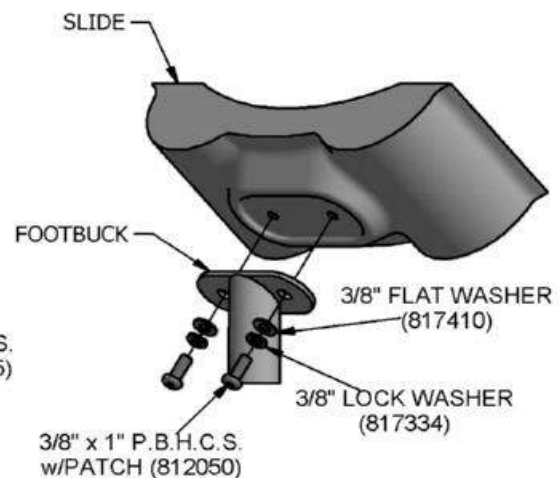
675



678



787



788

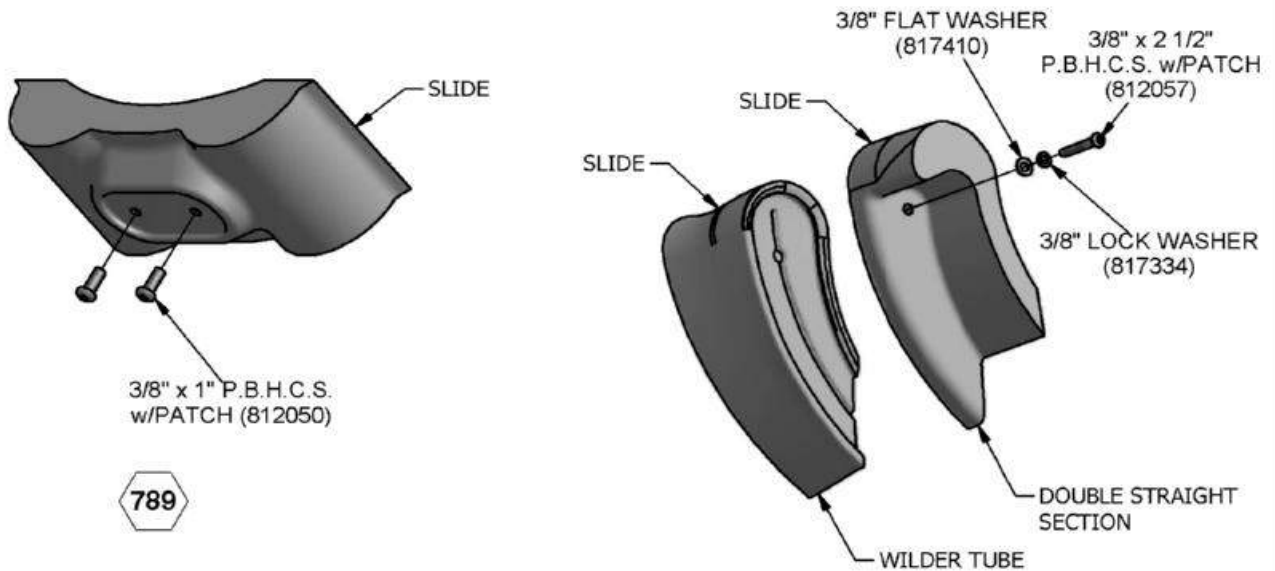
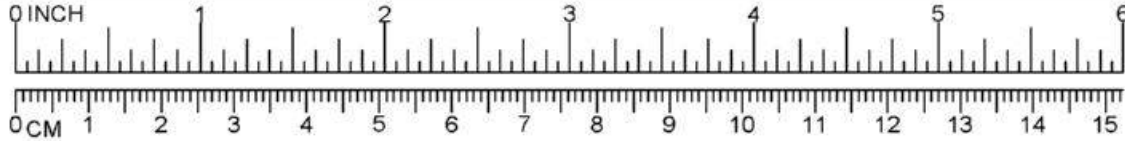
DETAILS -for- 90771, 90772, 90773, & 90774

IMPORTANT

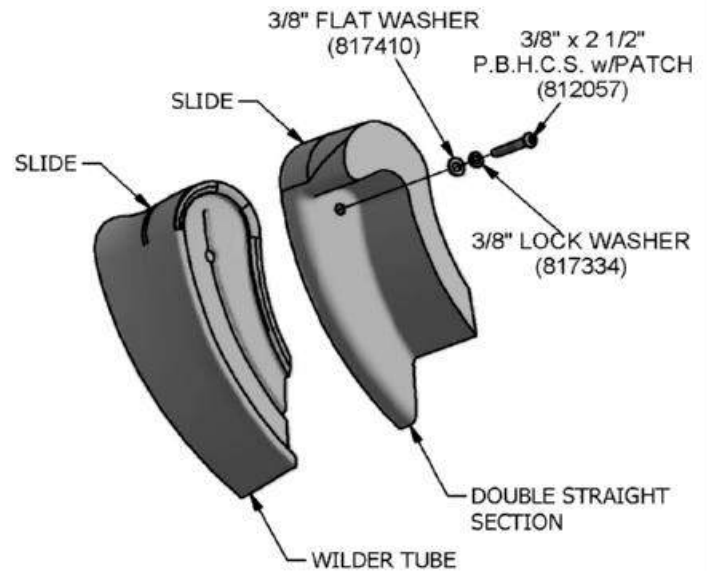
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

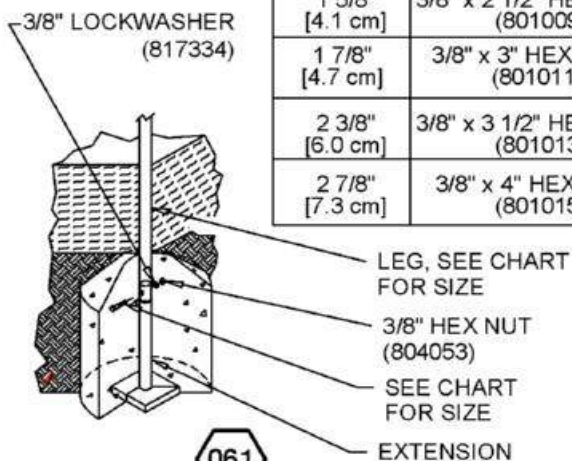


789

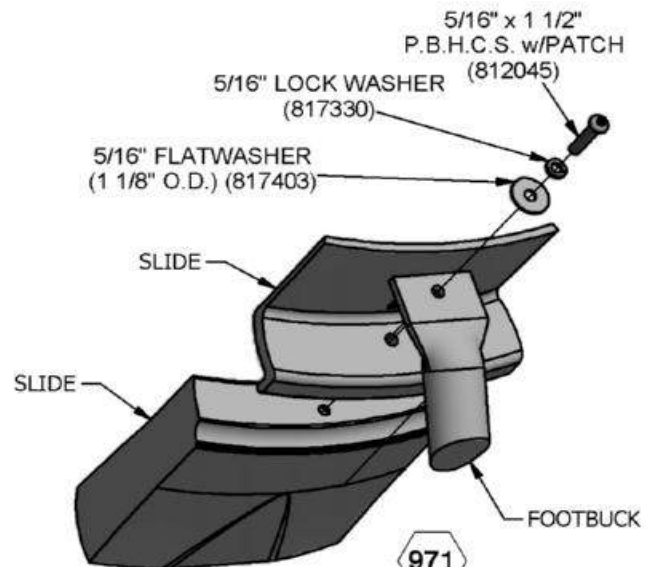


837

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



061



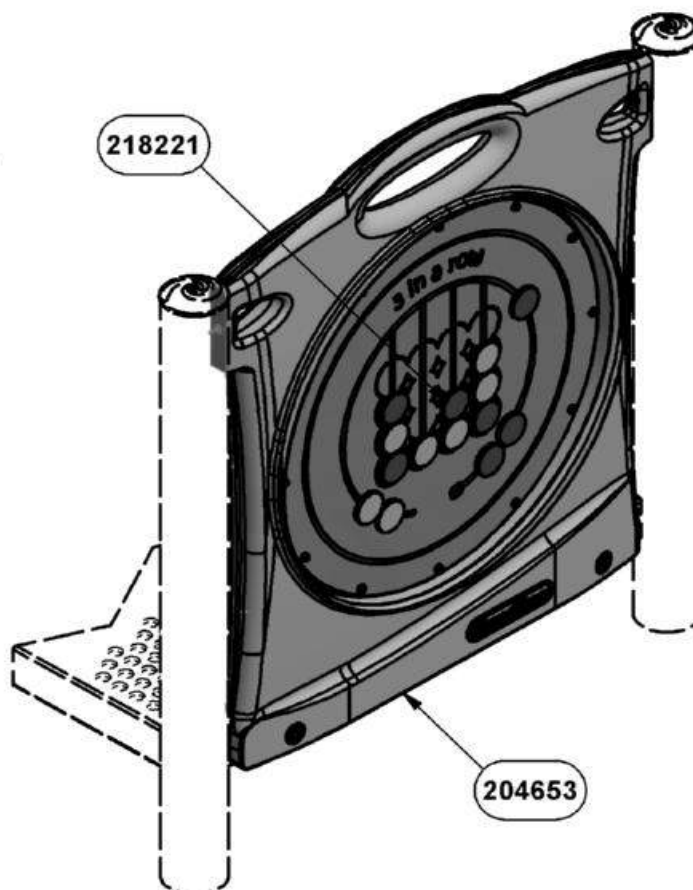
971



UP TO 5'-0"



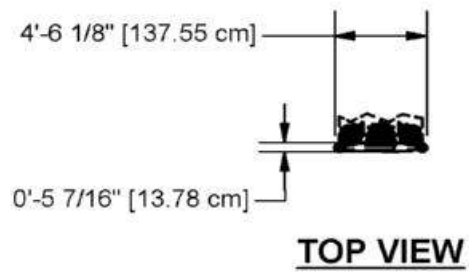
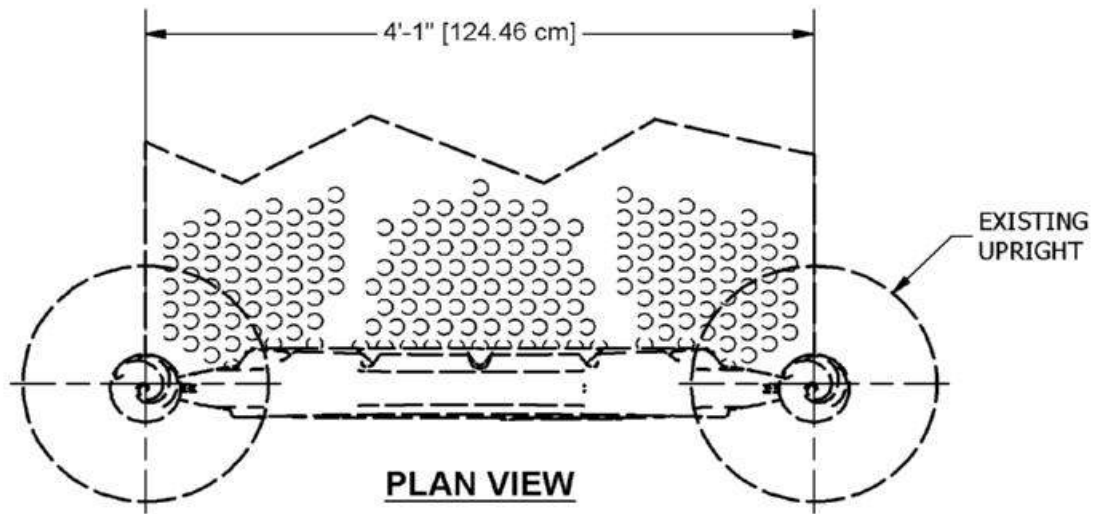
UP TO 9'-0"

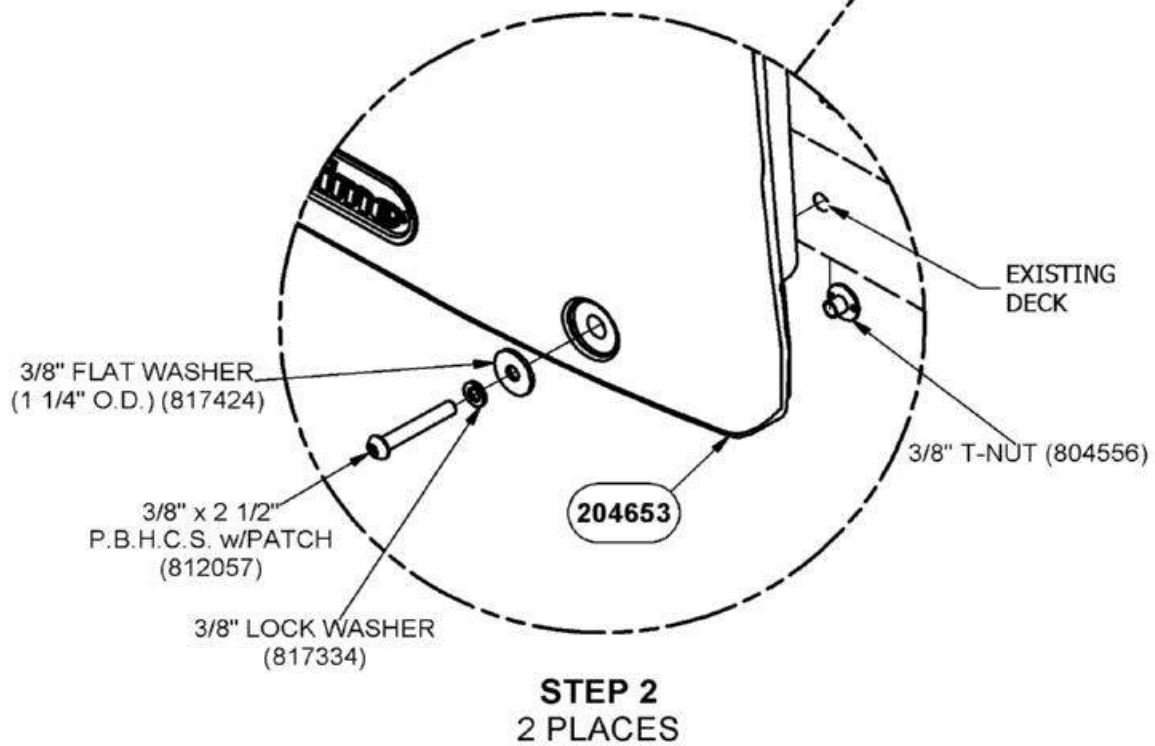
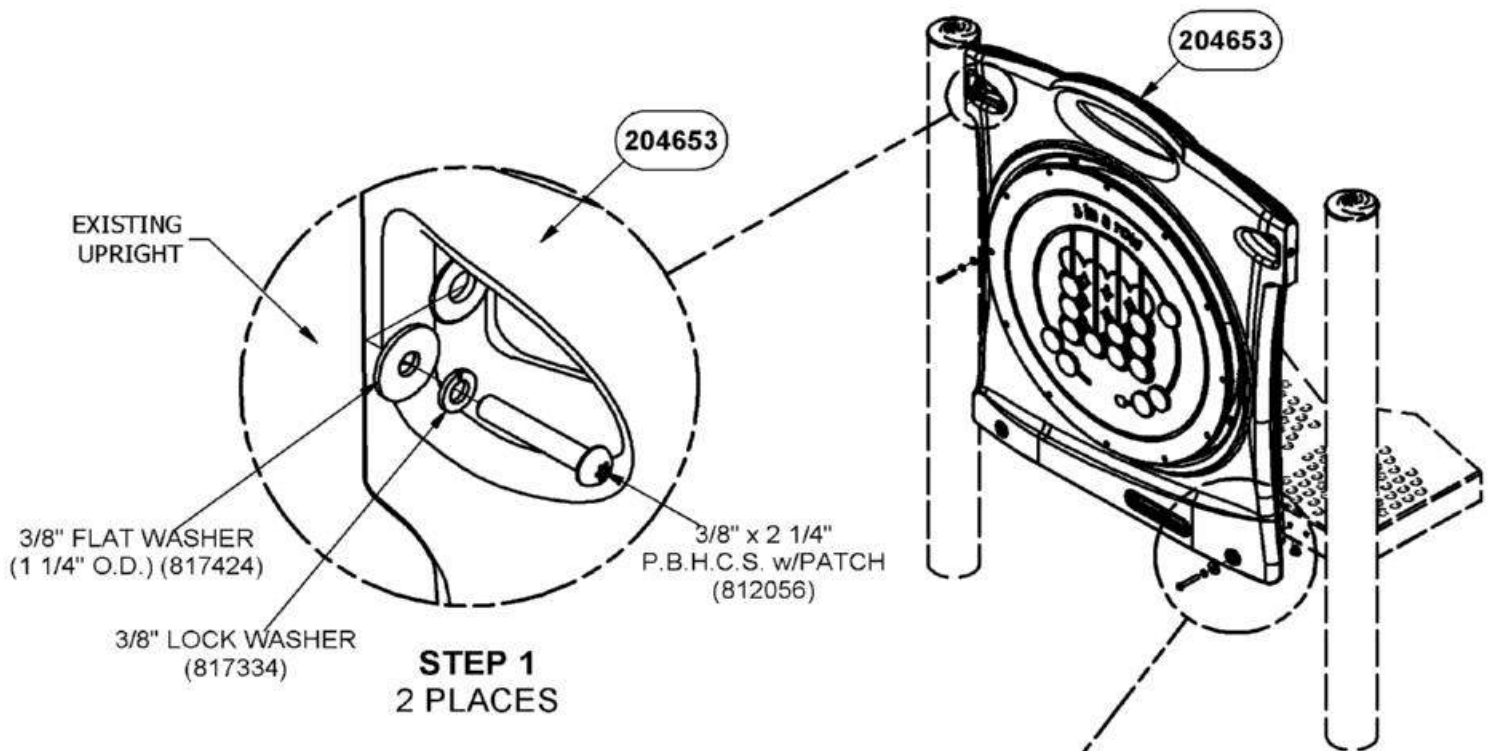
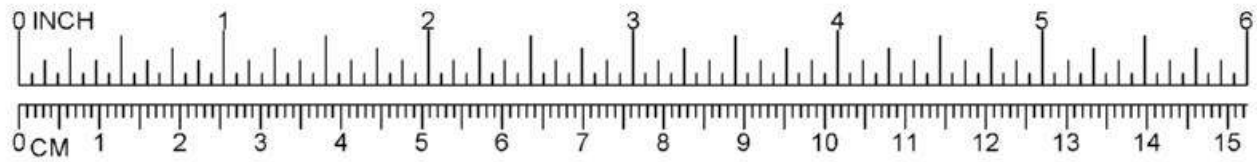


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

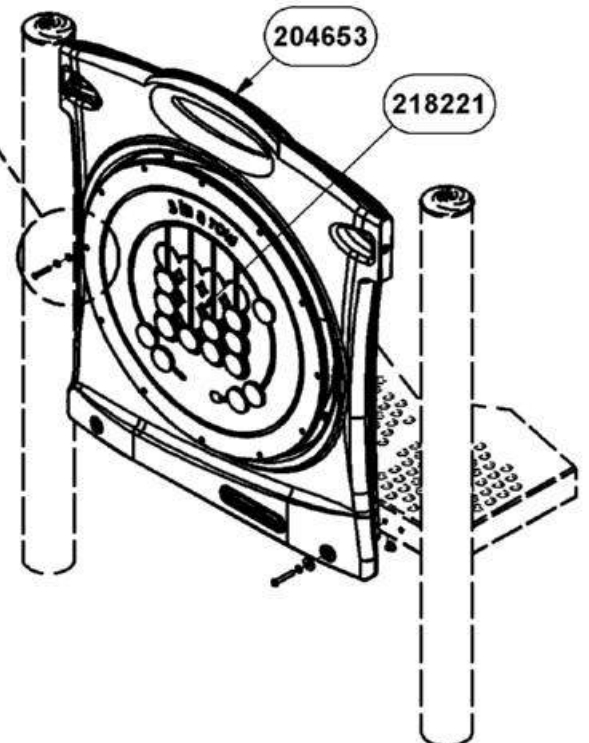
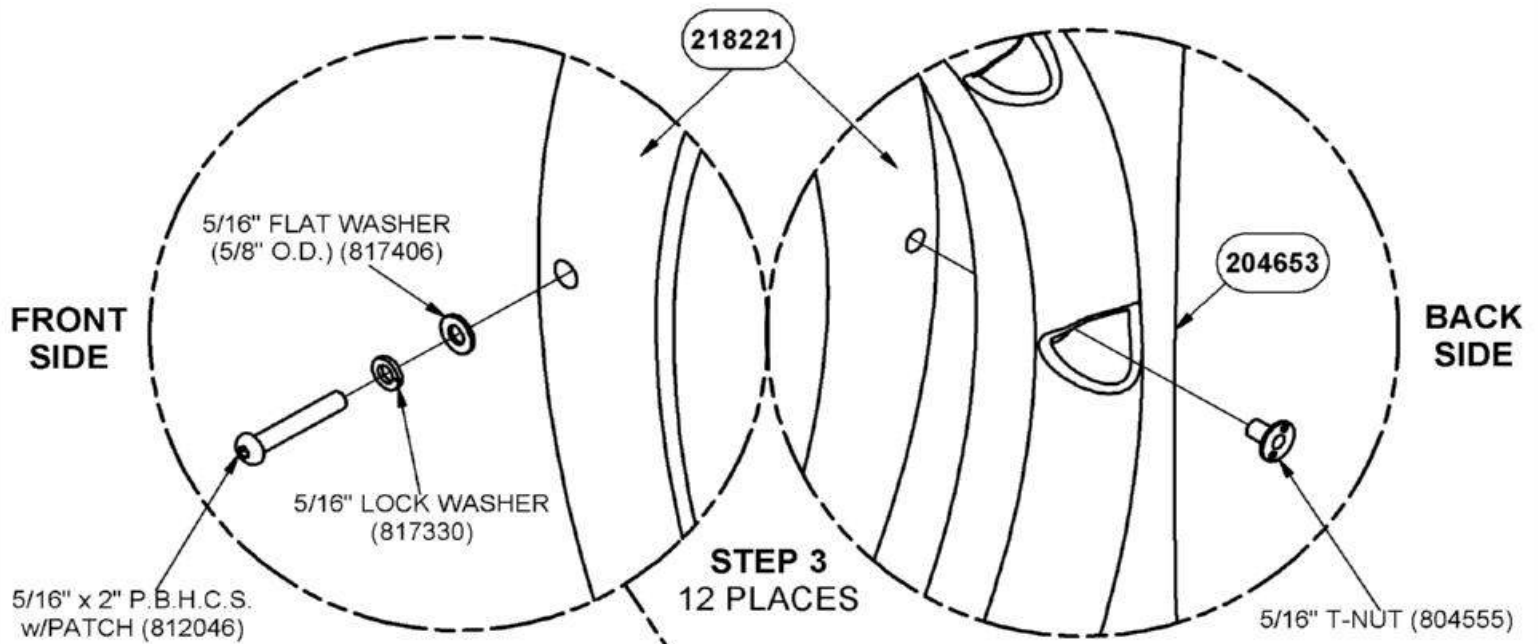
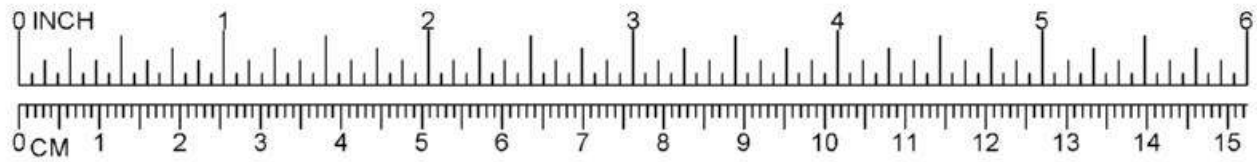
ASSEMBLY VIEW





NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
SHORT CRAWL TUBE PANEL	1	204653
3 IN A ROW	1	218221
HARDWARE COMPLETE	1	206747
5/16" x 2" P.B.H.C.S. w/PATCH	12	812046*
5/16" FLAT WASHER (5/8" O.D.)	12	817406*
5/16" LOCK WASHER	12	817330*
5/16" T-NUT	12	804555*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	812057*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" LOCK WASHER	4	817334*
3/8" T-NUT	2	804556*

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

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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.

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- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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ISSUED/REVISED: 10/16/2019

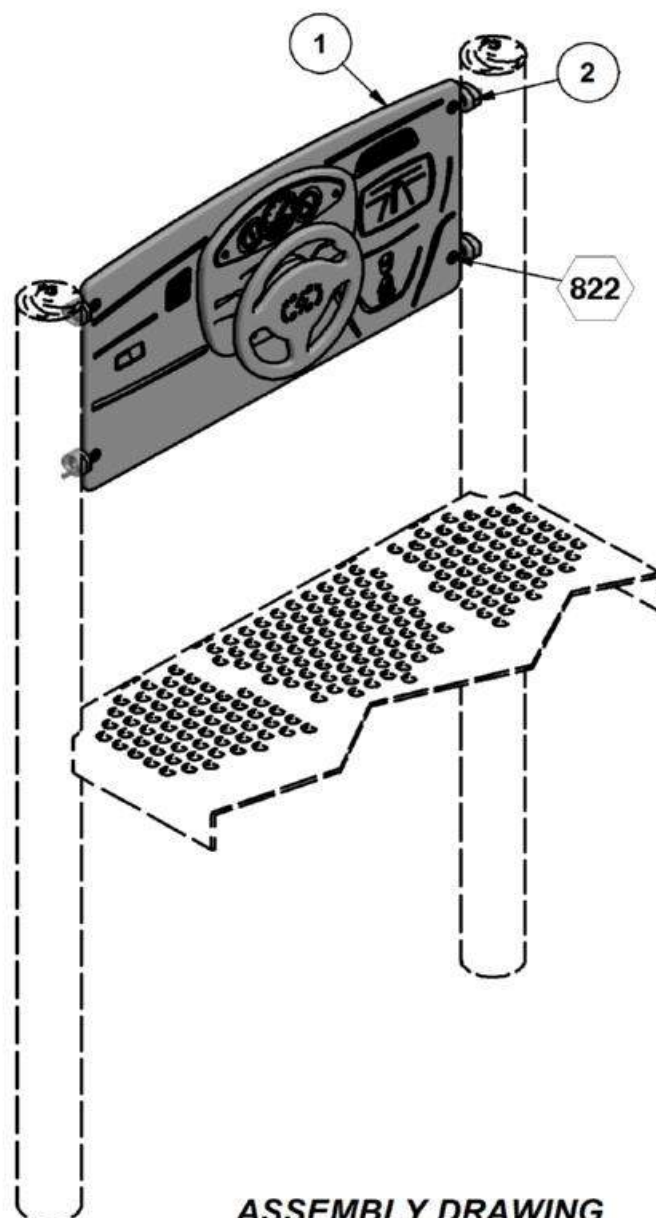
90873

CAR SOUNDS HALF PANEL

- ⬡ = INSTALLATION
= DETAIL
- = PARTS LIST
REFERENCE

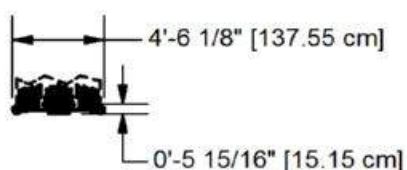


CAR SOUNDS HALF PANEL	90873
FARM SOUNDS HALF PANEL	90874
WHEELS ON THE BUS HALF PANEL	90875



INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW

**ASSEMBLY DRAWING
90873 SHOWN**

Parts List					
REF.	DESCRIPTION	90873	90874	90875	PART NUMBER
1	CAR ROTOGEN PANEL w/COVER	1	0	0	218245
1	FARM ANIMALS ROTOGEN w/COVER	0	1	0	218247
1	WHEELS ON THE BUS ROTOGEN PANEL w/COVER	0	0	1	218255
2	TRU-LOC PANEL ATTACHMENT	4	0	0	205837
2	TRU-LOC PANEL ATTACHMENT	0	4	0	205839
2	TRU-LOC PANEL ATTACHMENT	0	0	4	168229
	HARDWARE COMPLETE	1	1	1	209114
	3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	812050*
	3/8" x 1 3/4" HEX HEAD BOLT	4	4	4	801006*
	3/8" LOCK WASHER	8	8	8	817334*
	3/8" T-NUT	4	4	4	804556*

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

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

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

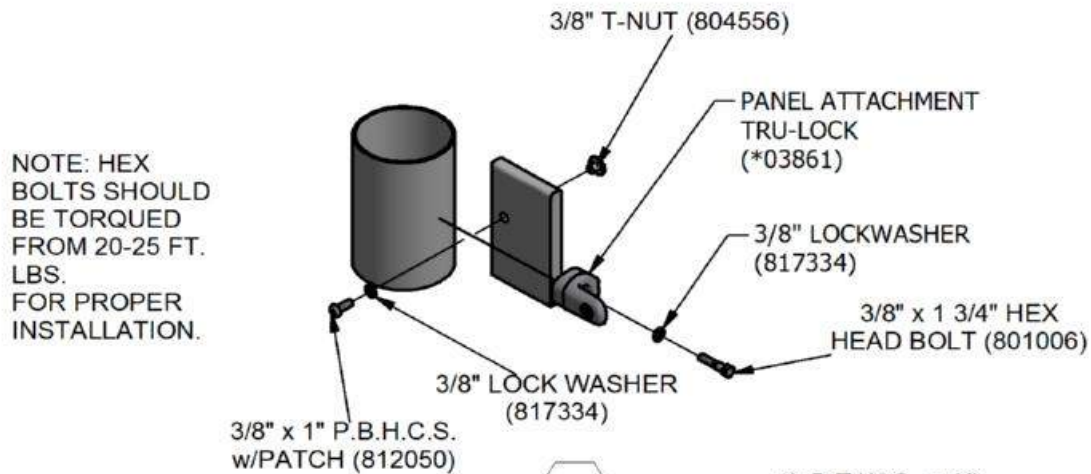
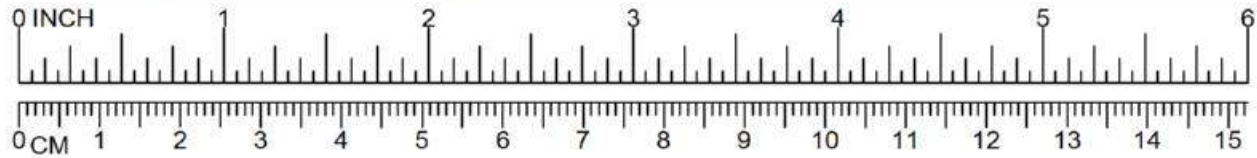
DETAILS -for- 90873, 90874 & 90875

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.



822

(* = B, T, W, G, or K)

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ISSUED/REVISED: 01/24/2023

91049 ACCESSIBLE RAMP LINK 3D

 = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE



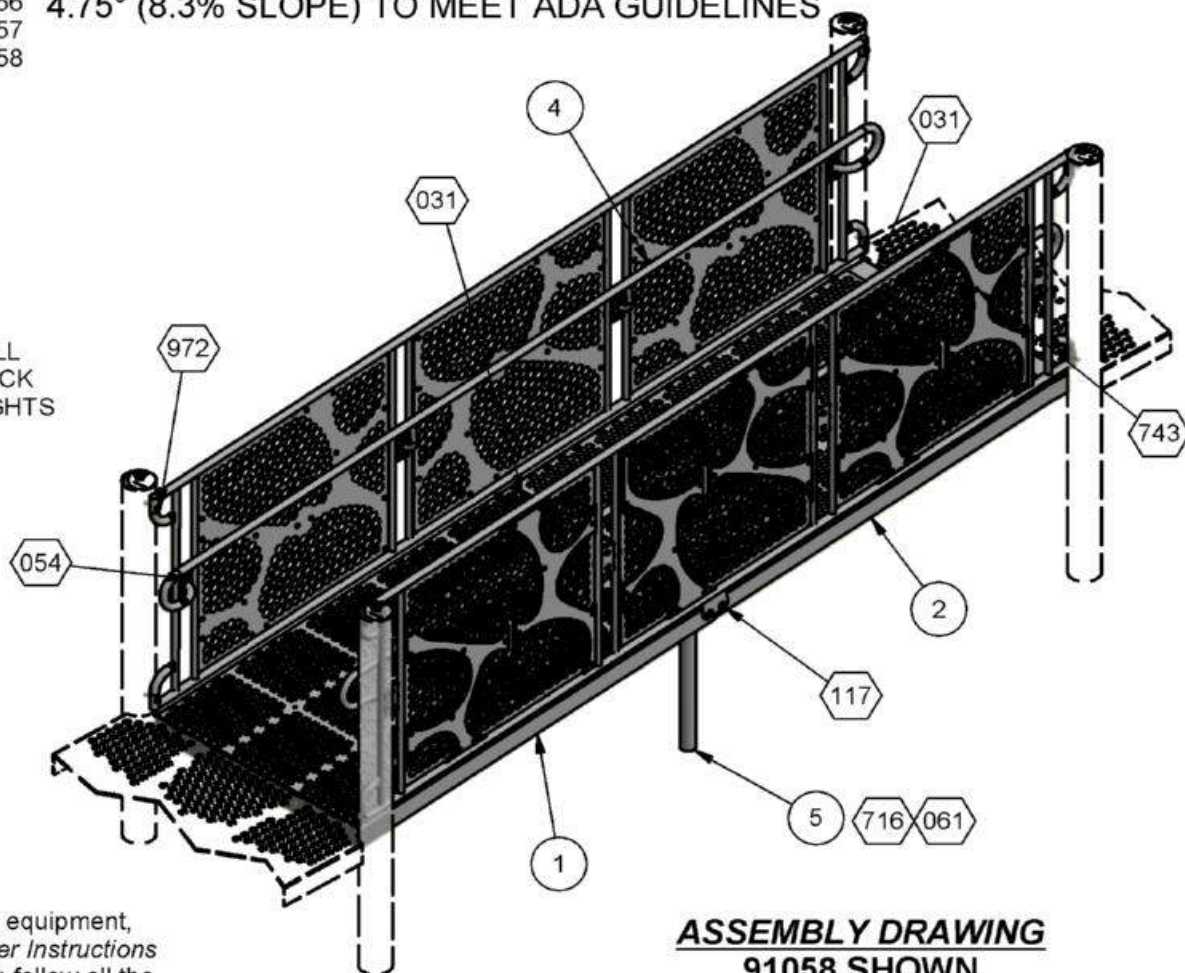
91049
 91056
 91057
 91058

NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES

1'-6" & 2'-0"	91049
2'-6" & 3'-0"	91056
3'-6" & 4'-0"	91057
4'-6" & 5'-0"	91058
5'-6" & 6'-0"	91059
6'-6" & 7'-0"	91060
7'-6" & 8'-0"	91061



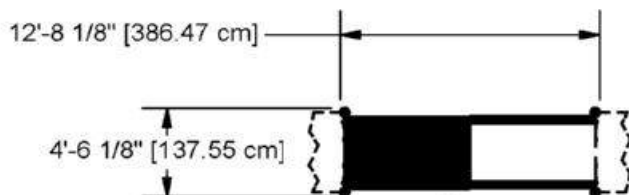
ALL
DECK
HEIGHTS



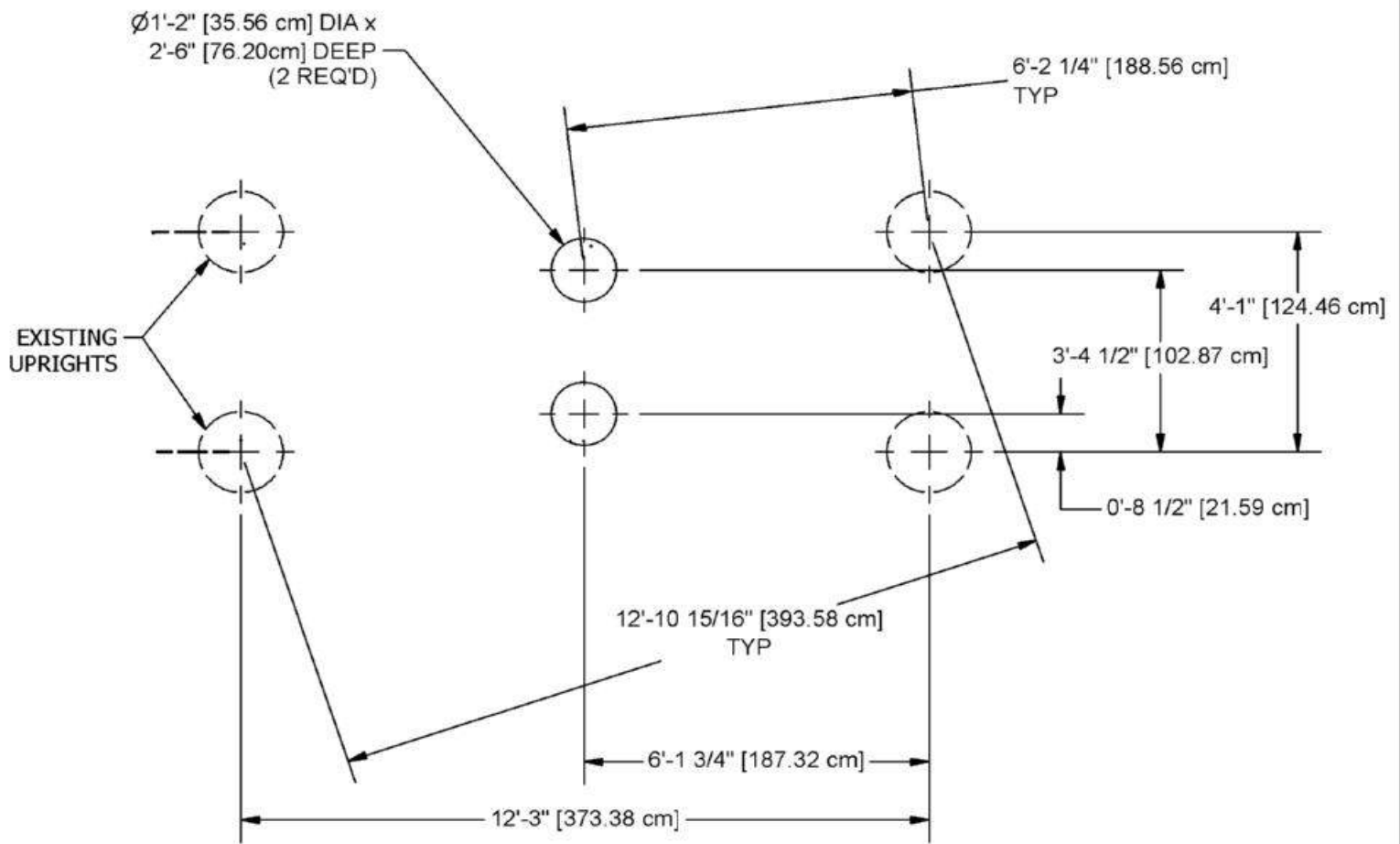
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.

ASSEMBLY DRAWING 91058 SHOWN



TOP VIEW



CONCRETE REQUIRED
 .12 CUBIC YARDS
 [.10 CUBIC METERS]

GROUND PLAN
91049, 91056 THRU 91061

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

Parts List									
REF.	DESCRIPTION	91049	91056	91057	91058	91059	91060	91061	PART NUMBER
1	RAMP SECTION	1	1	1	1	1	1	1	164045
2	RAMP SECTION	1	1	1	1	1	1	1	164042
3	RAMP 3D WLD ASS'Y	2	2	2	2	2	2	2	205315
4	HAND HOLD	2	2	2	2	2	2	2	176728
5	GROUND SUPPORT 2'	2	0	0	0	0	0	0	205414
5	GROUND SUPPORT 3'	0	2	0	0	0	0	0	205416
5	GROUND SUPPORT 4'	0	0	2	0	0	0	0	205418
5	GROUND SUPPORT 5'	0	0	0	2	0	0	0	205669
5	GROUND SUPPORT 6'	0	0	0	0	2	0	0	205671
5	GROUND SUPPORT 7'	0	0	0	0	0	2	0	205673
5	GROUND SUPPORT 8'	0	0	0	0	0	0	2	205675
6	RAMP TRIM LARGE	6	6	6	6	6	6	6	205317
7	RAMP TRIM SMALL	6	6	6	6	6	6	6	205318
	HARDWARE COMPLETE	1	1	1	1	1	1	1	205676
	3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	14	14	14	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	18	18	18	18	18	18	18	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	2	2	2	2	2	2	2	801013*
	3/8" FLAT WASHER	40	40	40	40	40	40	40	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	16	16	817424*
	3/8" LOCK WASHER	42	42	42	42	42	42	42	817334*
	3/8" ACORN NUT	16	16	16	16	16	16	16	804002*
	3/8" HEX NUT	2	2	2	2	2	2	2	804053*
	3/8" T-NUT	16	16	16	16	16	16	16	804556*
	1/4" CHERRY-MATE RIVET	96	96	96	96	96	96	96	135499*
	1/4" FLAT WASHER (5/8" O.D.)	96	96	96	96	96	96	96	817408*
	8" EXTENSION	2	2	2	2	2	2	2	151080*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

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

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

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

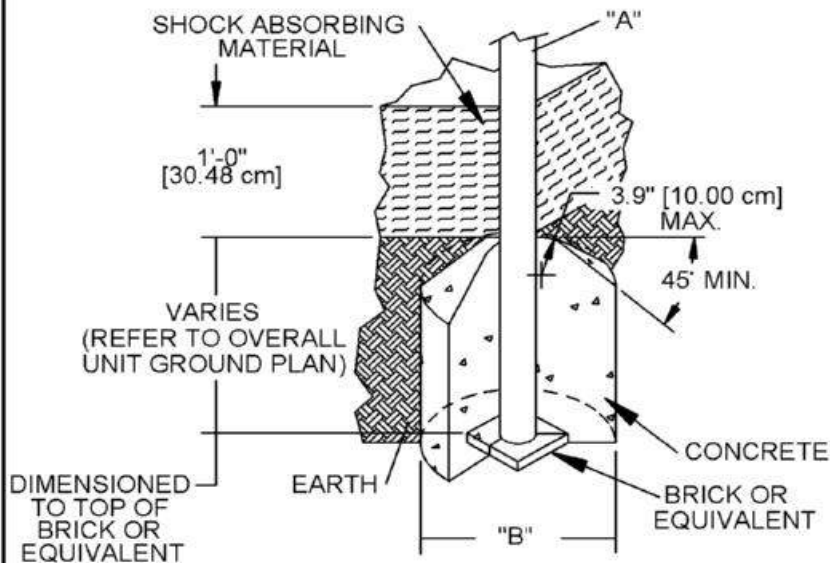
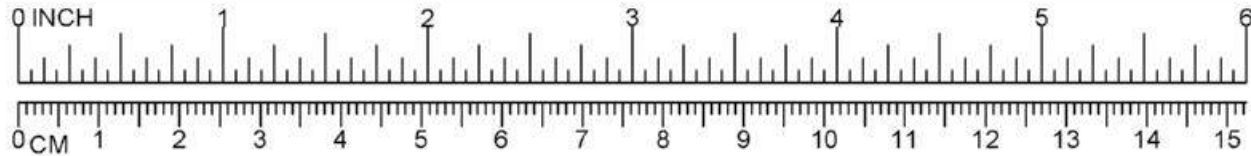
DETAILS -for- 91049, 91056 THRU 91061

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.



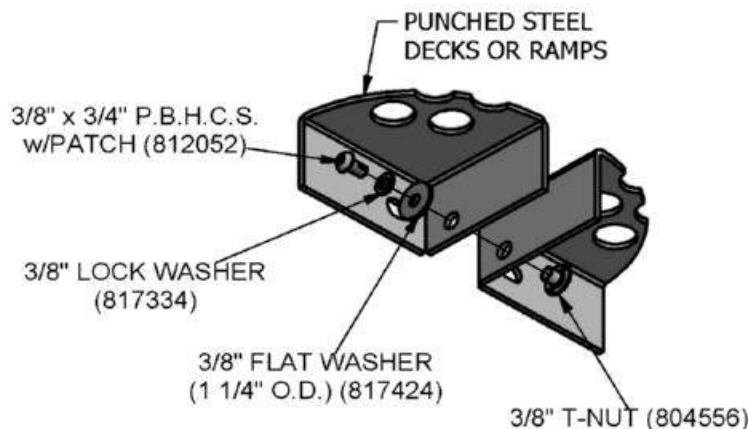
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

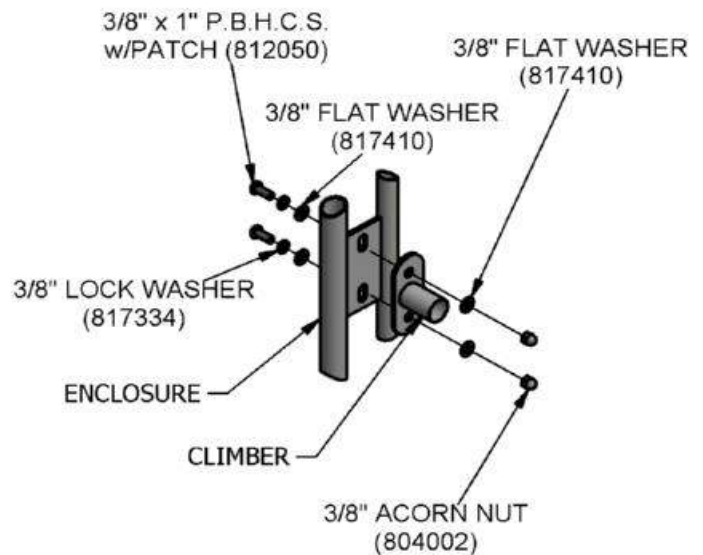
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



031



054

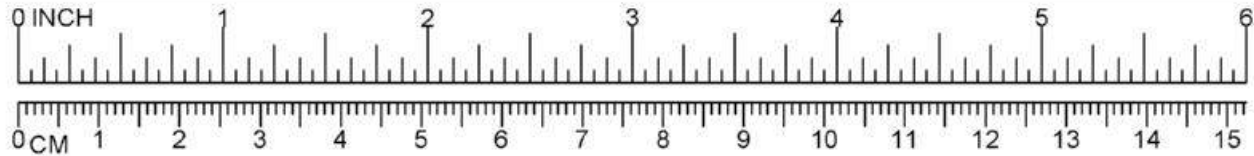
DETAILS -for- 91049, 91056 THRU 91061

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.

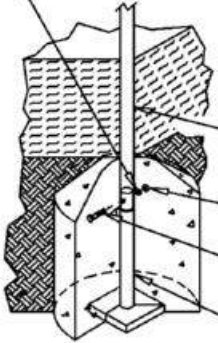
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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

3/8" LOCKWASHER
(817334)



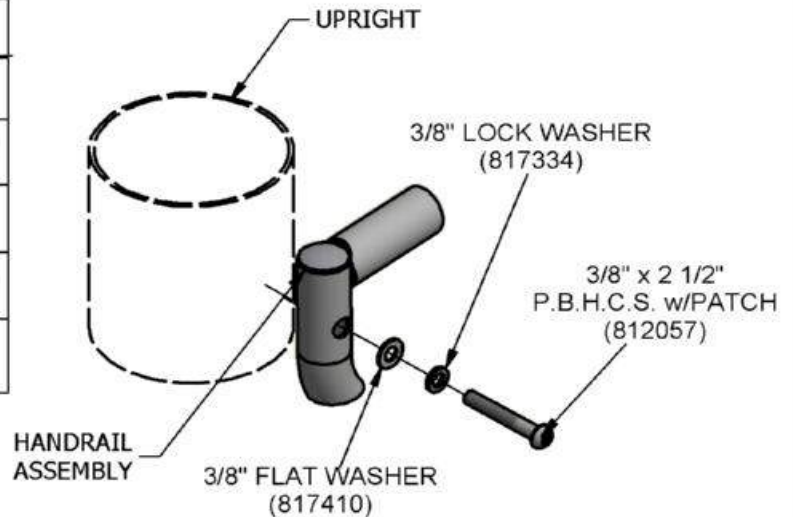
LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

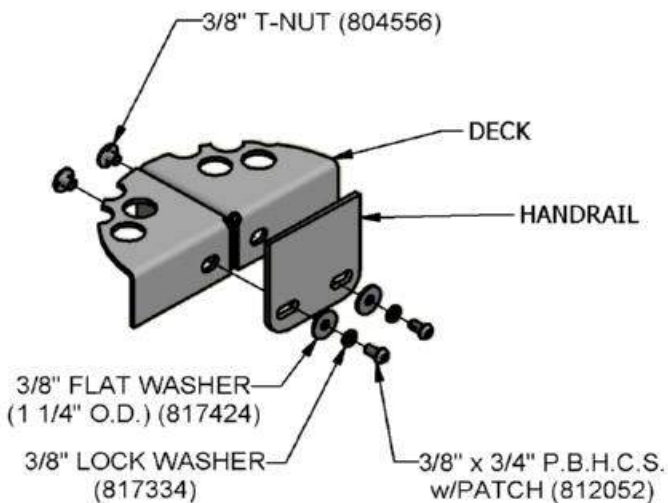
SEE CHART
FOR SIZE

EXTENSION

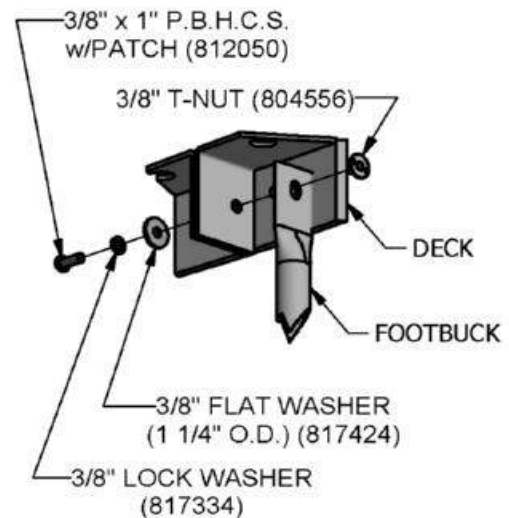
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972



117



716

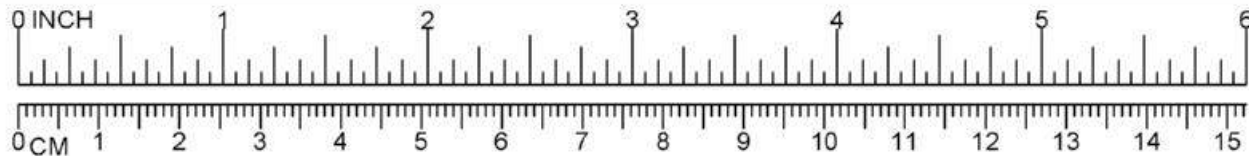
**DETAILS -for-
91049, 91056 THRU 91061**

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.



1/4" FLAT WASHER
(5/8" O.D.) (817408)

(135499 STEM)

WELD
ASS'Y

1/4" CHERRY MATE
RIVET (135499
SLEEVE)

HDPE
TRIM

NOTE 1: HDPE TRIM PIECES
MUST ALWAYS BE PLACED
TO THE OUTSIDE FACE OF
THE COMPONENT.

NOTE 2: STEM SIDE OF
RIVET MUST ALWAYS BE
ON METAL SIDE OF THE
COMPONENT. FLUSH SIDE
OF RIVET MUST ALWAYS
BE ON THE HDPE SIDE OF
COMPONENT.

743

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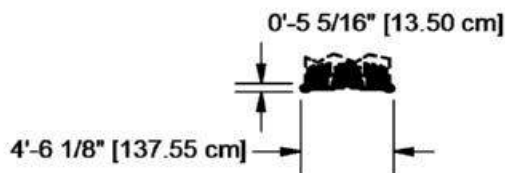
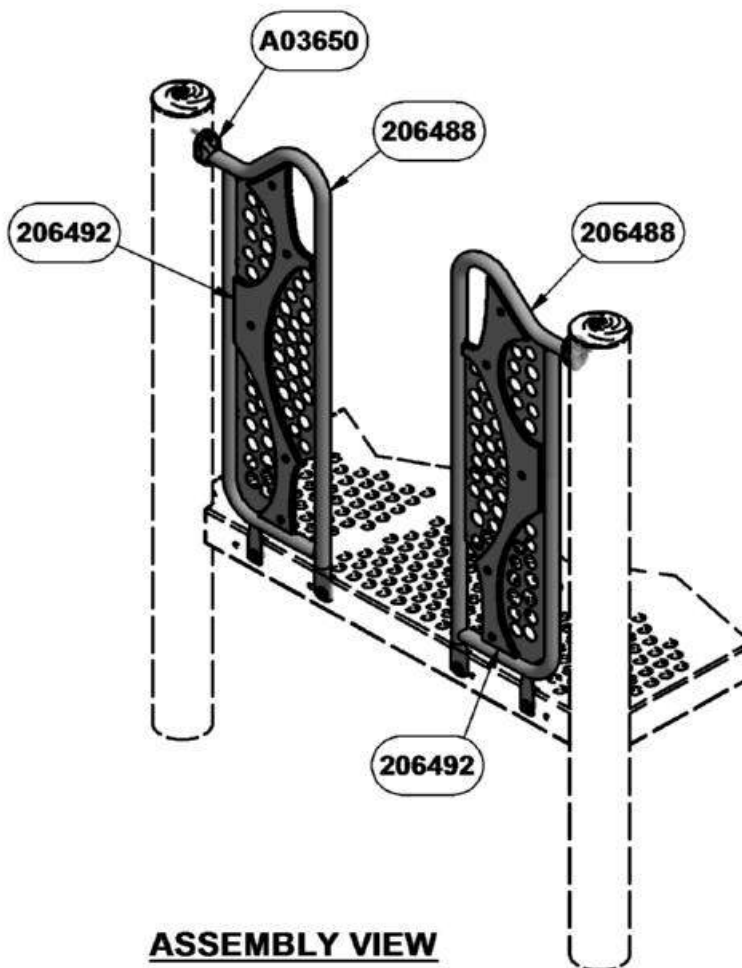
ISSUED/REVISED: 09/14/20

91137
ENTRYWAY
3D

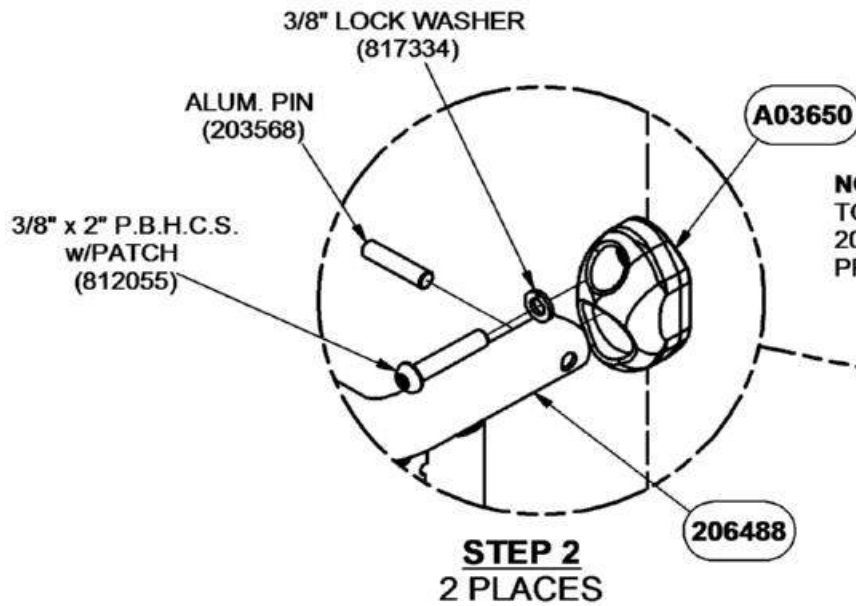
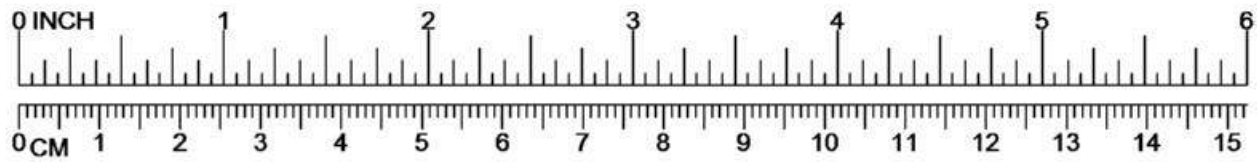


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

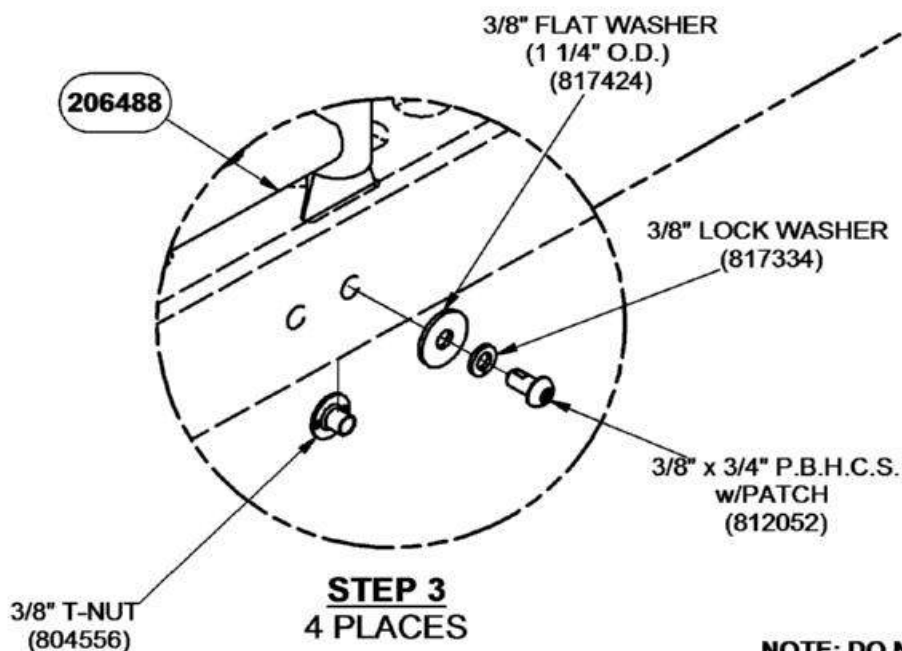
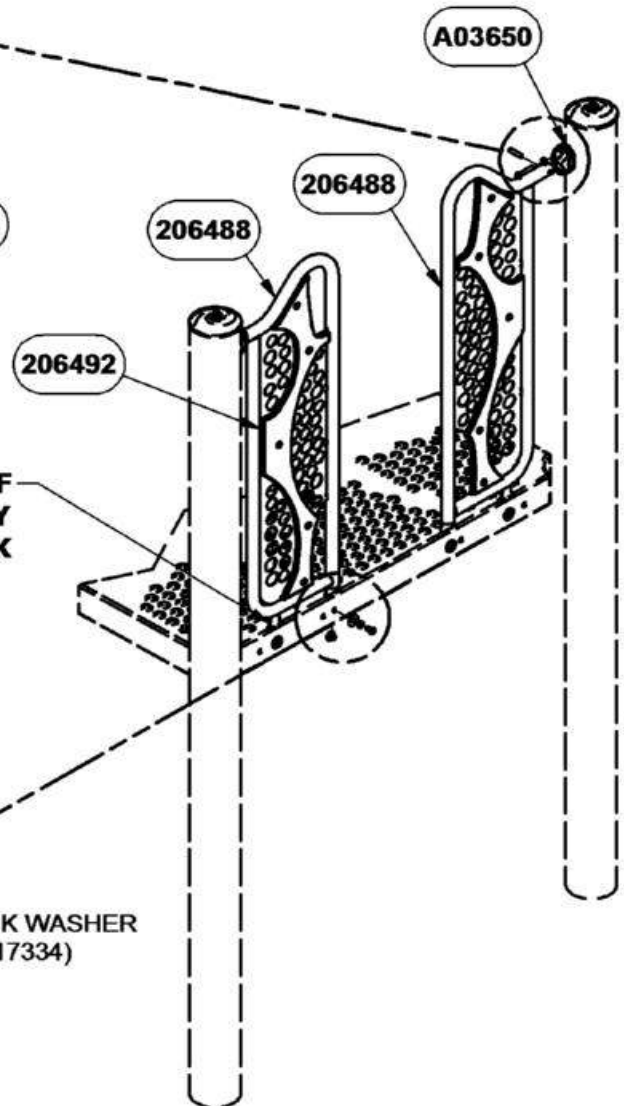


TOP VIEW



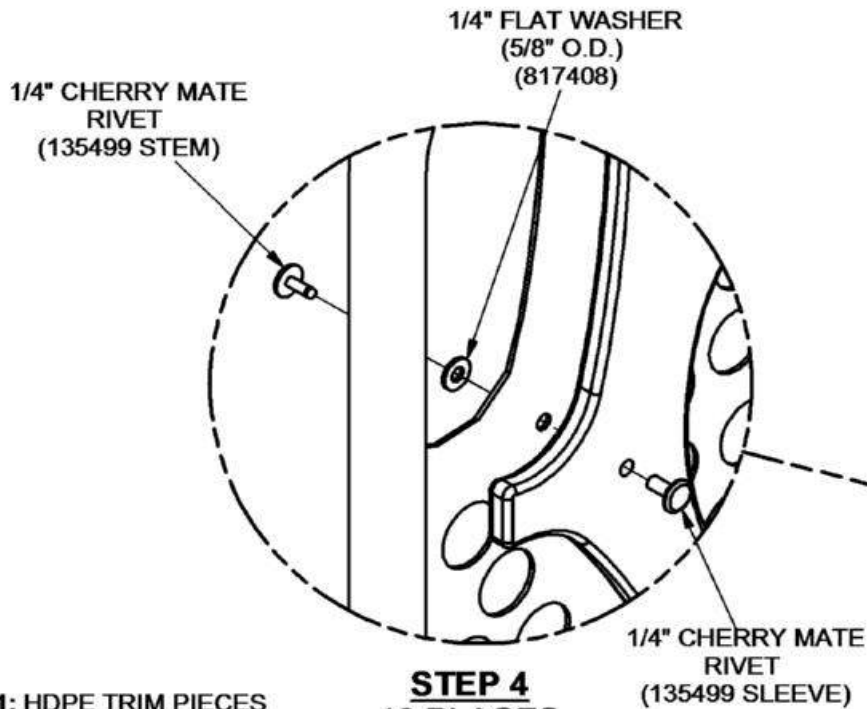
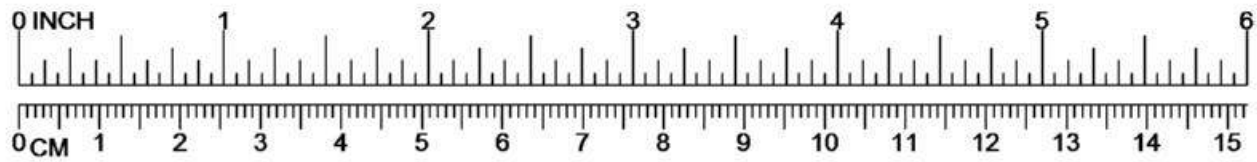
NOTE: BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLTION.

STEP 1: INSERT TABS OF ENTRYWAY TRIM WELD ASSEMBLY INTO SLOT OF DECK



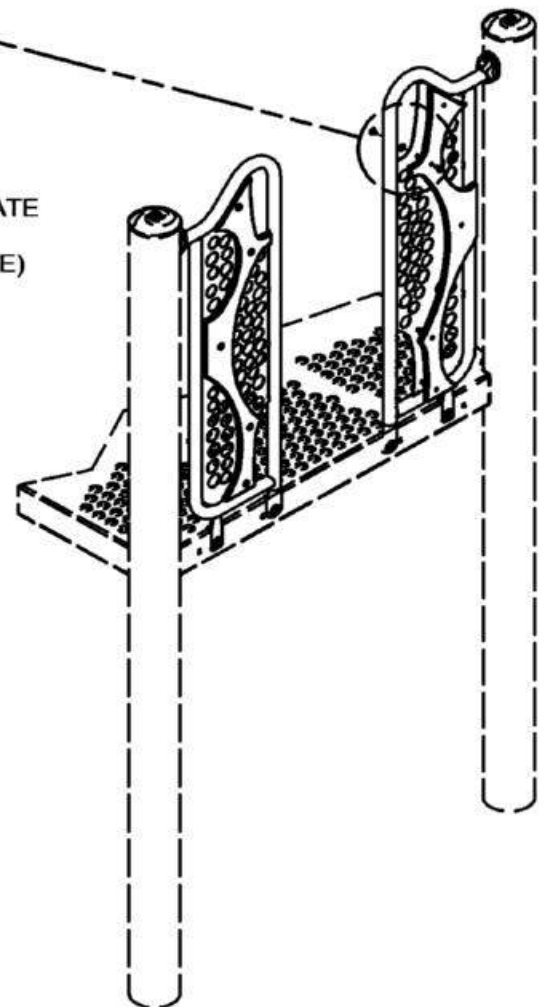
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE 1: HDPE TRIM PIECES MUST ALWAYS BE PLACES TO THE OUTSIDE FACE OF THE COMPONENT.

NOTE 2: STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

PAGE 3

Parts List		
DESCRIPTION	QTY	PART NUMBER
3D ENTRYWAY	2	206488
ENTRYWAY TRIM	2	206492
TRU-LOC	2	A03650
HARDWARE COMPLETE	1	206585
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" T-NUT	4	804556*
3/8" LOCK WASHER	6	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
1/4" FLAT WASHER (5/8" O.D.)	10	817408*
1/4" CHERRY MATE RIVET	10	135499*
ALUM. PIN	2	203568*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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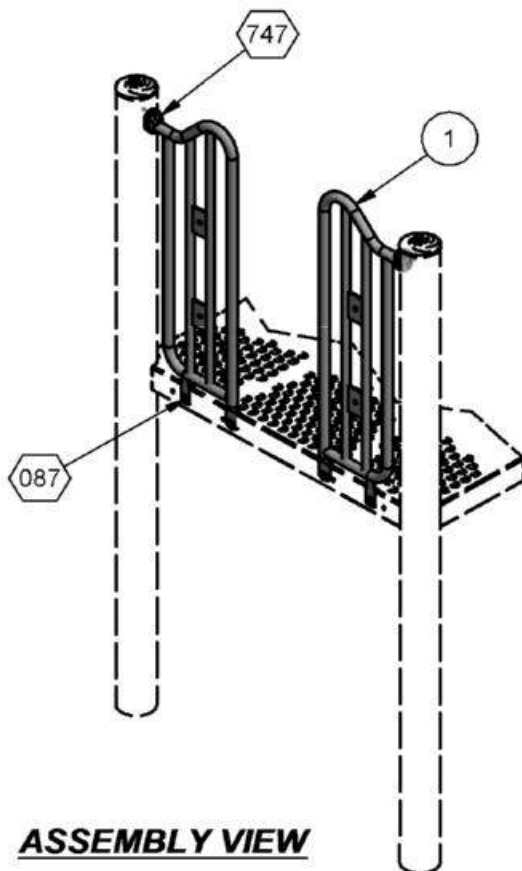
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ISSUED/REVISED: 05/30/13

91142 ROPE SPAN ENTRYWAY

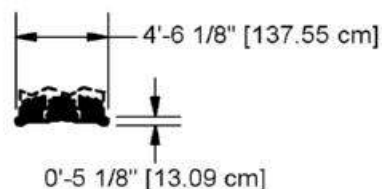
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE



ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	ENTRYWAY	2	206558
	TRU-LOC	2	A03650
	HARDWARE COMPLETE	1	206587
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	ALUM. PIN	2	203568*
	3/8" T-NUT	4	804556*
	3/8" LOCK WASHER	6	817334*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*

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

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

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

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

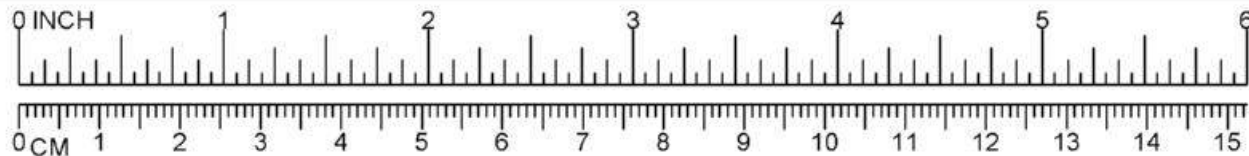
DETAILS -for- 91142

IMPORTANT

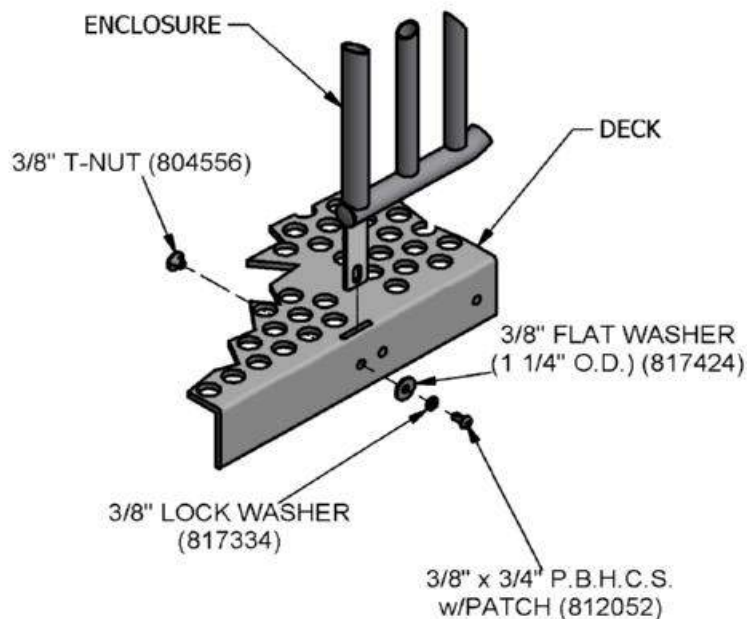
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

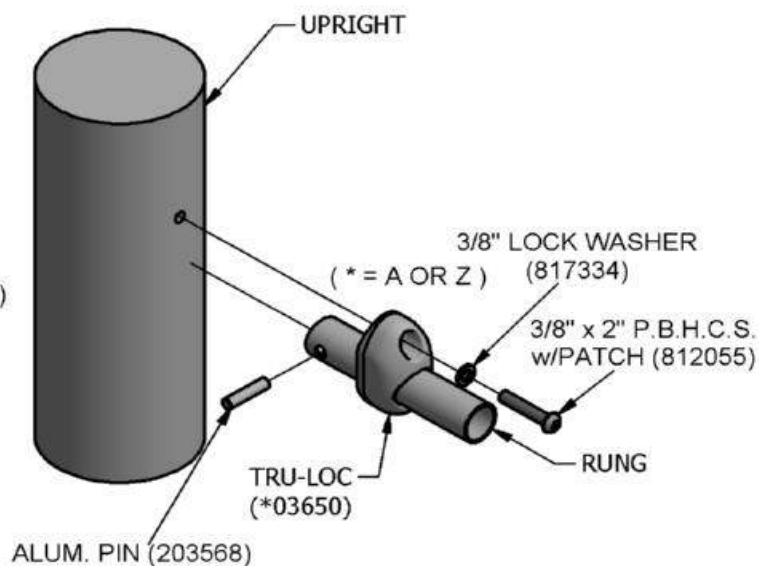
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



***NOTE:**
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.



087



747

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ISSUED/REVISED: 10/14/2022

91147

METAL MIRROR PANEL

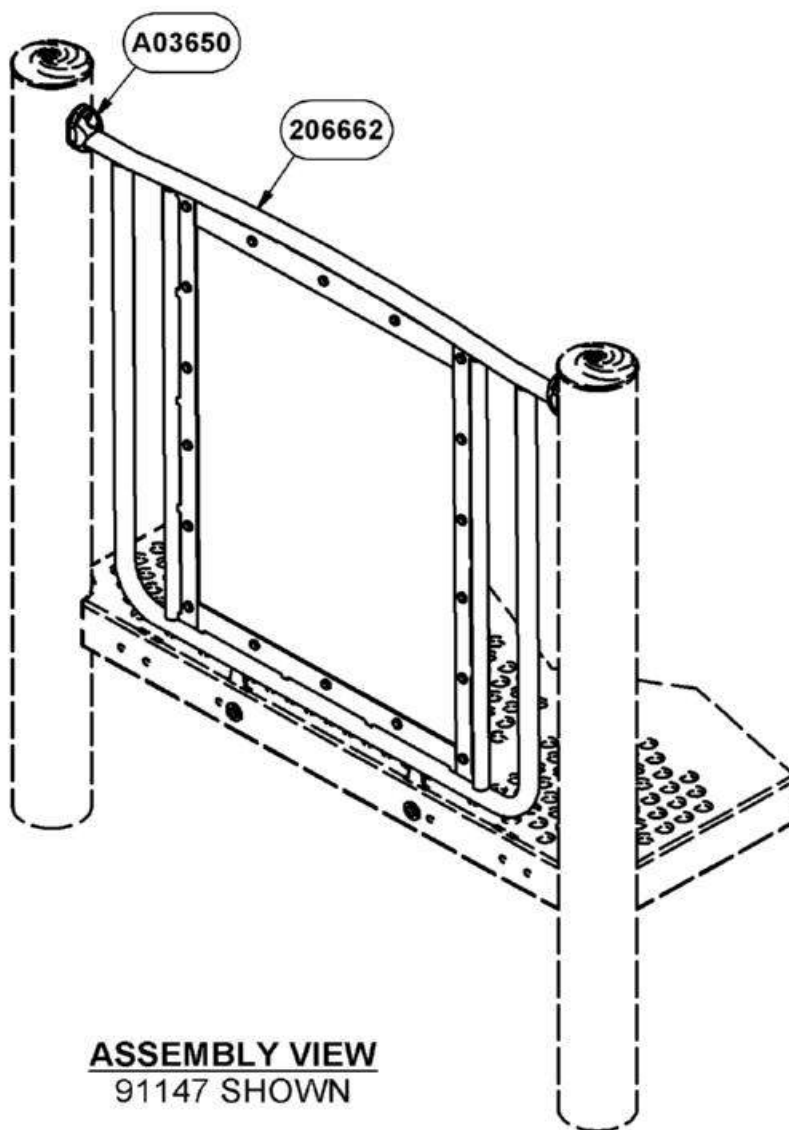


91147 UP TO 5'-0"
91148 4'-0" TO 5'-0"



91147 ALL DECKS
91148 4'-0" TO 9'-0"

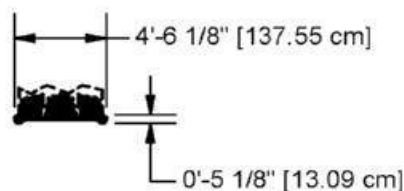
ABOVE DECK 91147
BELOW DECK 91148



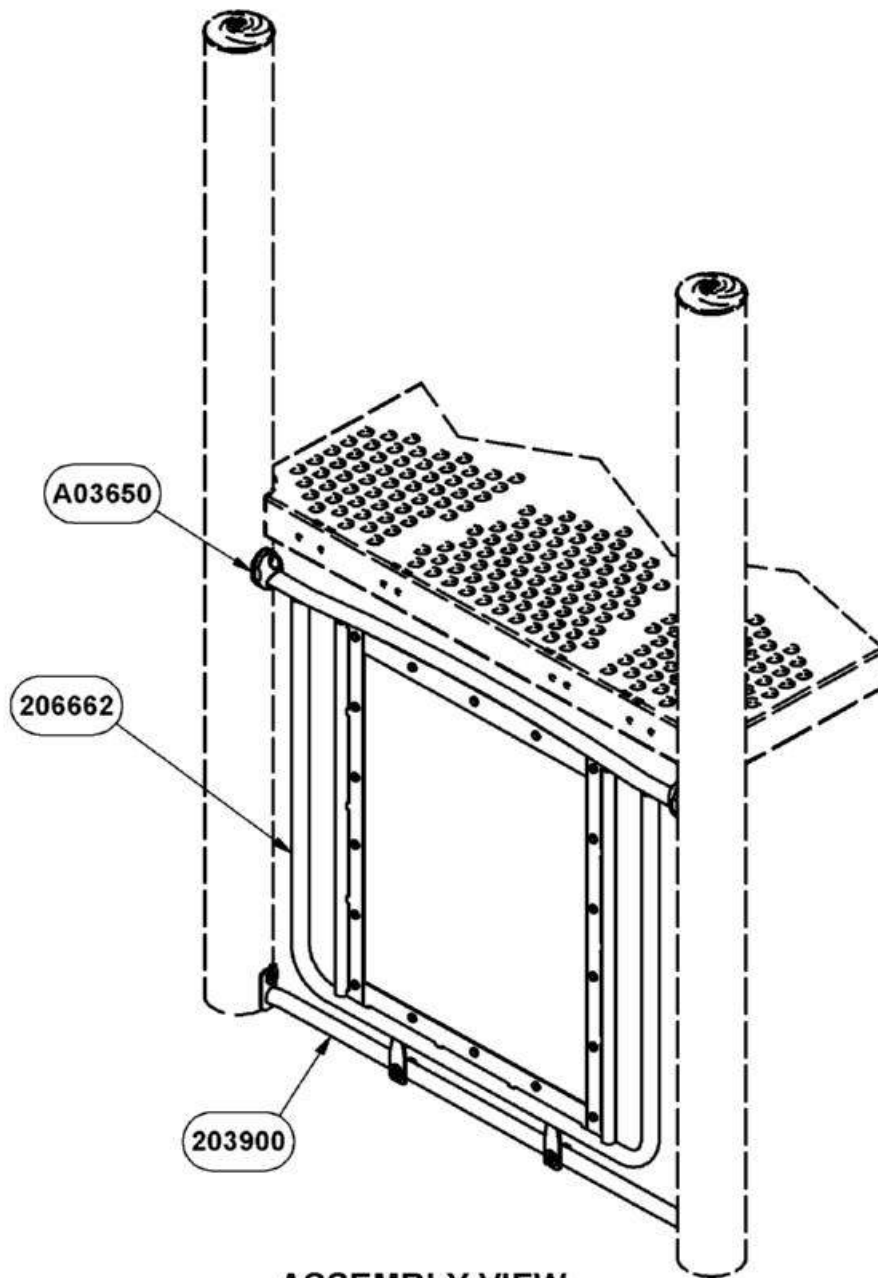
ASSEMBLY VIEW
91147 SHOWN

INSTALLATION INSTRUCTIONS

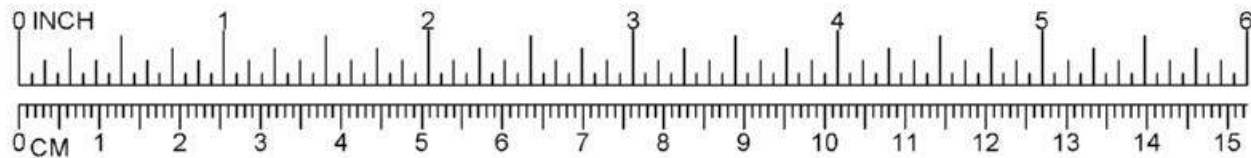
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



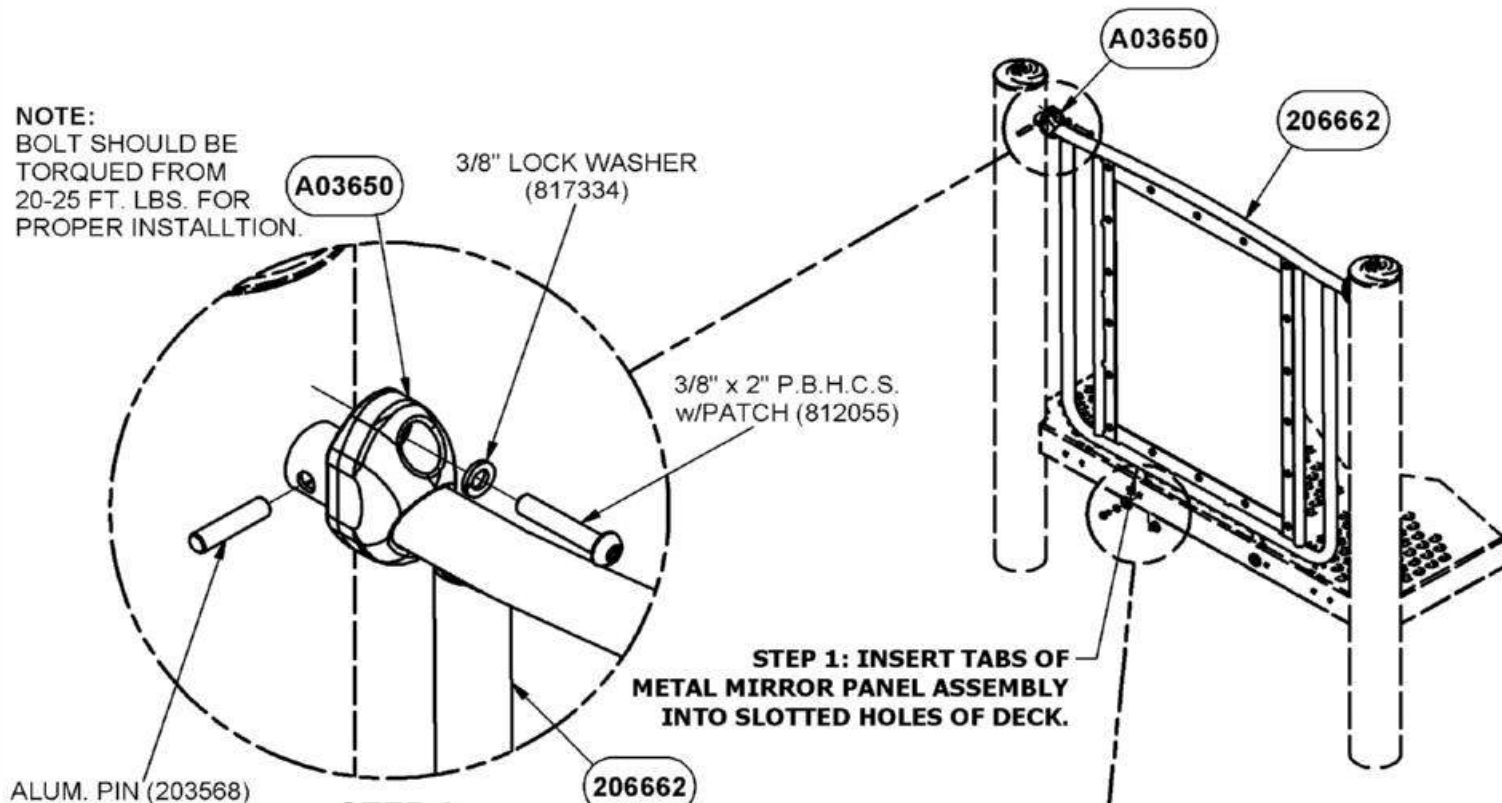
TOP VIEW



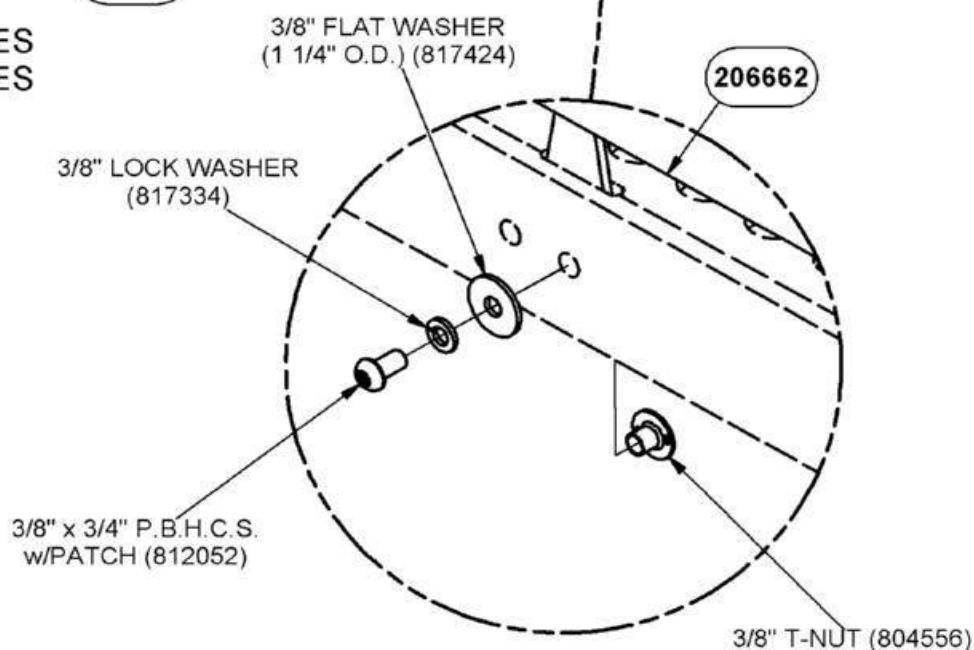
ASSEMBLY VIEW
91148 SHOWN



NOTE:
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.



STEP 2
91147 - 2 PLACES
91148 - 2 PLACES

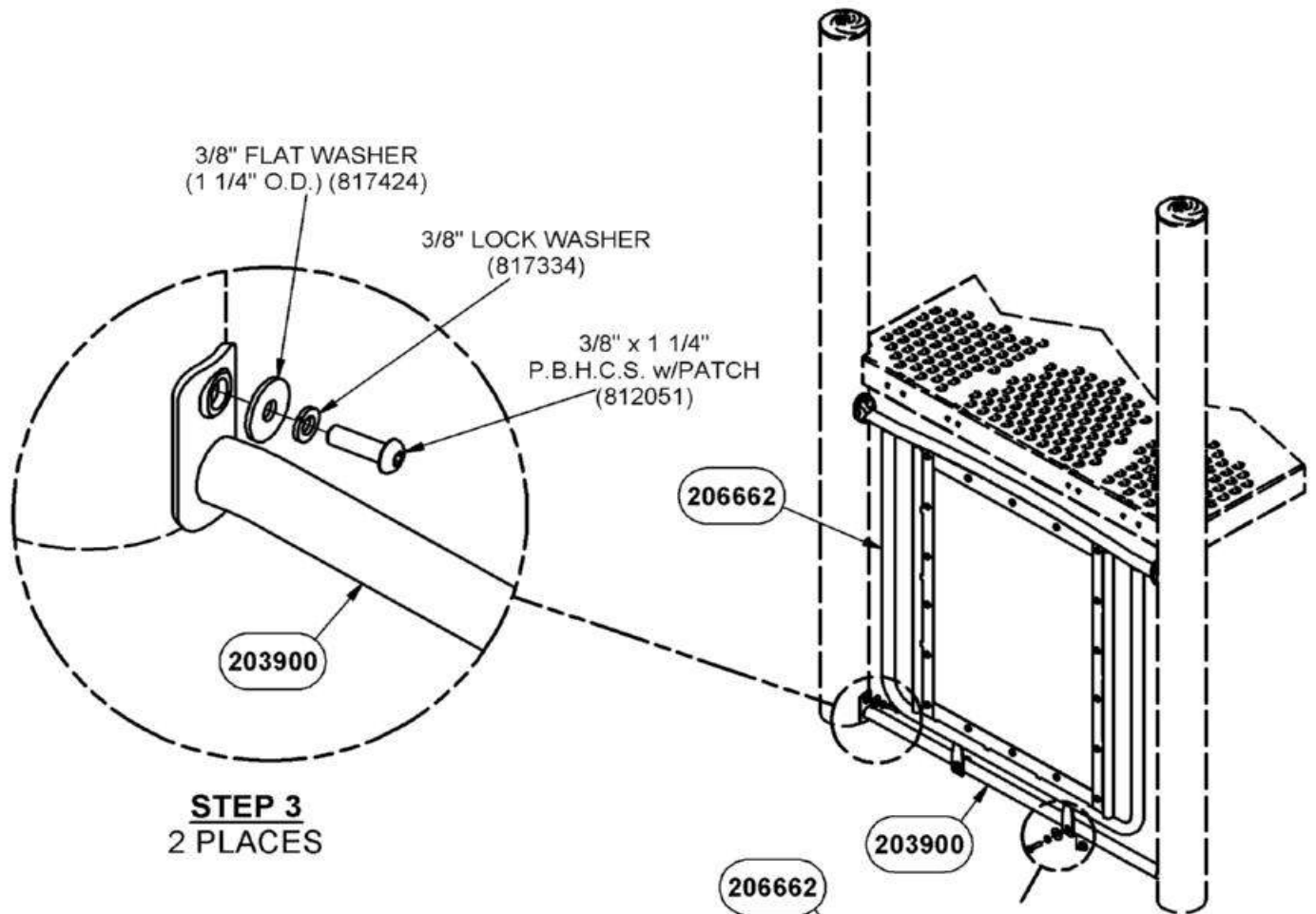
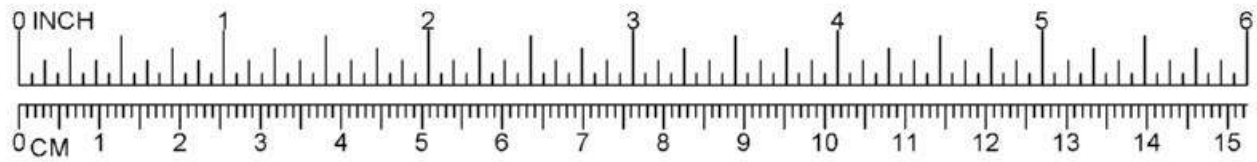


**NOTE: STEP 3
FOR 91147 ONLY**

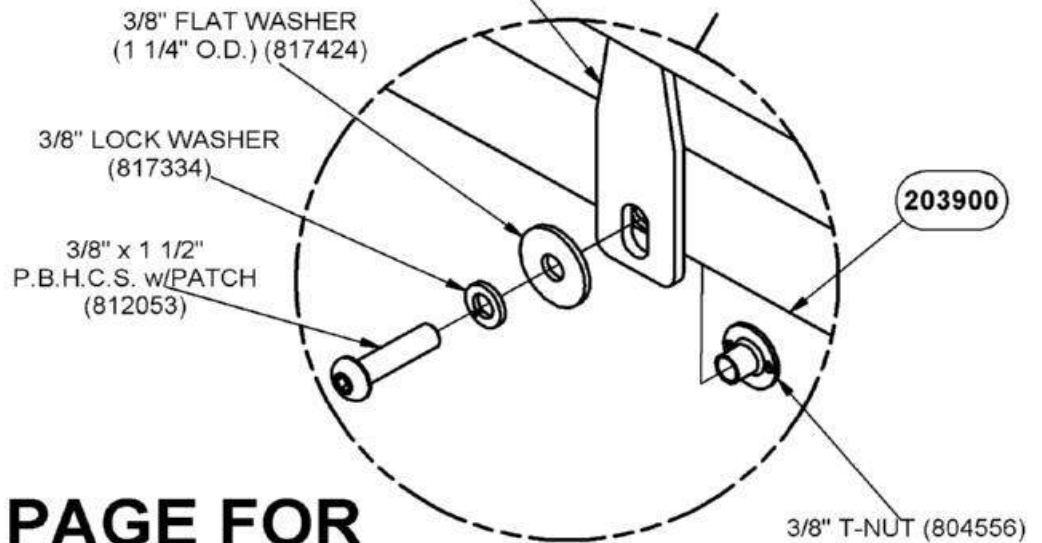
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW

PAGE 3



STEP 3
2 PLACES



STEP 4
2 PLACES

**NOTE: THIS PAGE FOR
91148 ONLY**

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW
91148 ONLY

Parts List			
DESCRIPTION	91147	91148	PART NUMBER
METAL MIRROR PANEL ASSEMBLY	1	1	206662
MOUNTING PIPE	0	1	203900
TRU-LOC	2	2	A03650
HARDWARE COMPLETE	1	0	203964
HARDWARE COMPLETE	0	1	203965
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	0	812052*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	2	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	2	4	817424*
3/8" LOCK WASHER	4	6	817334*
3/8" T-NUT	2	2	804556*
ALUM. PIN	2	2	203568*

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

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

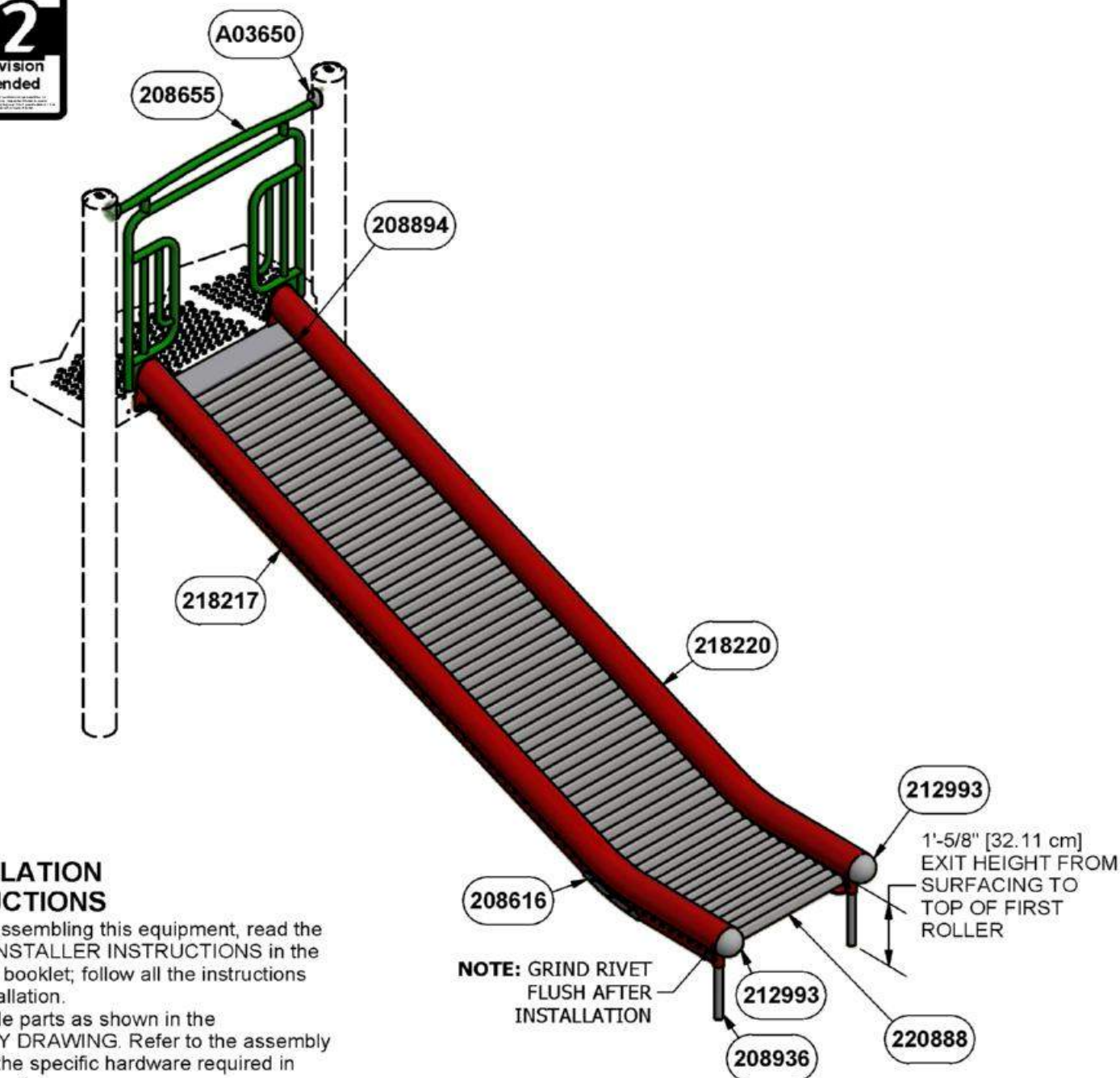
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

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

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.

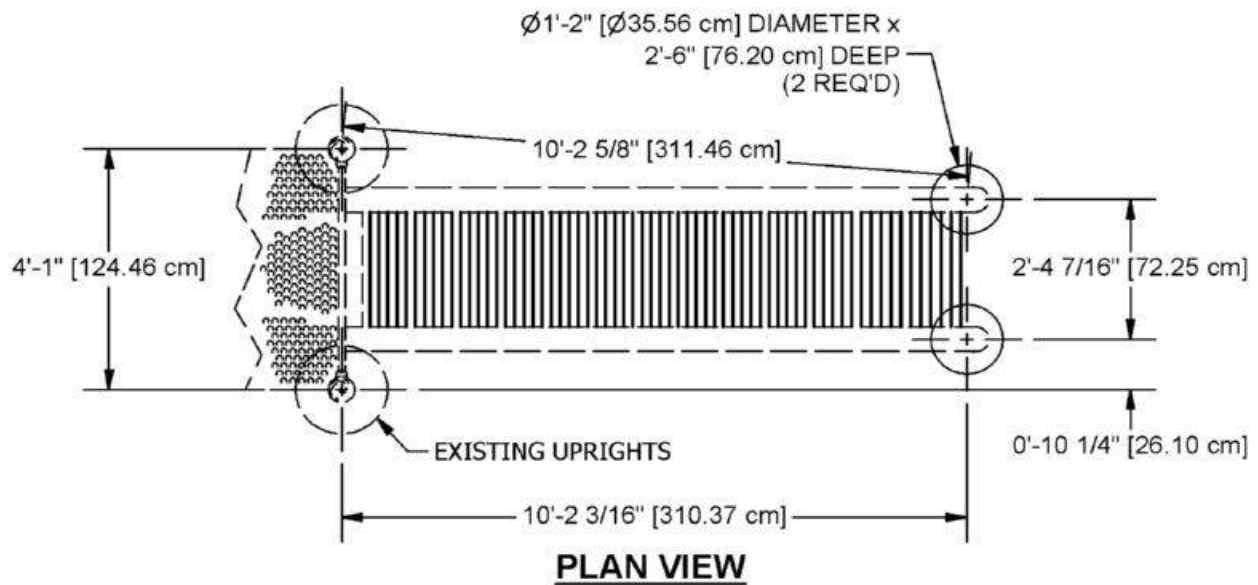
MAINTENANCE PROCEDURE:

- 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 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.



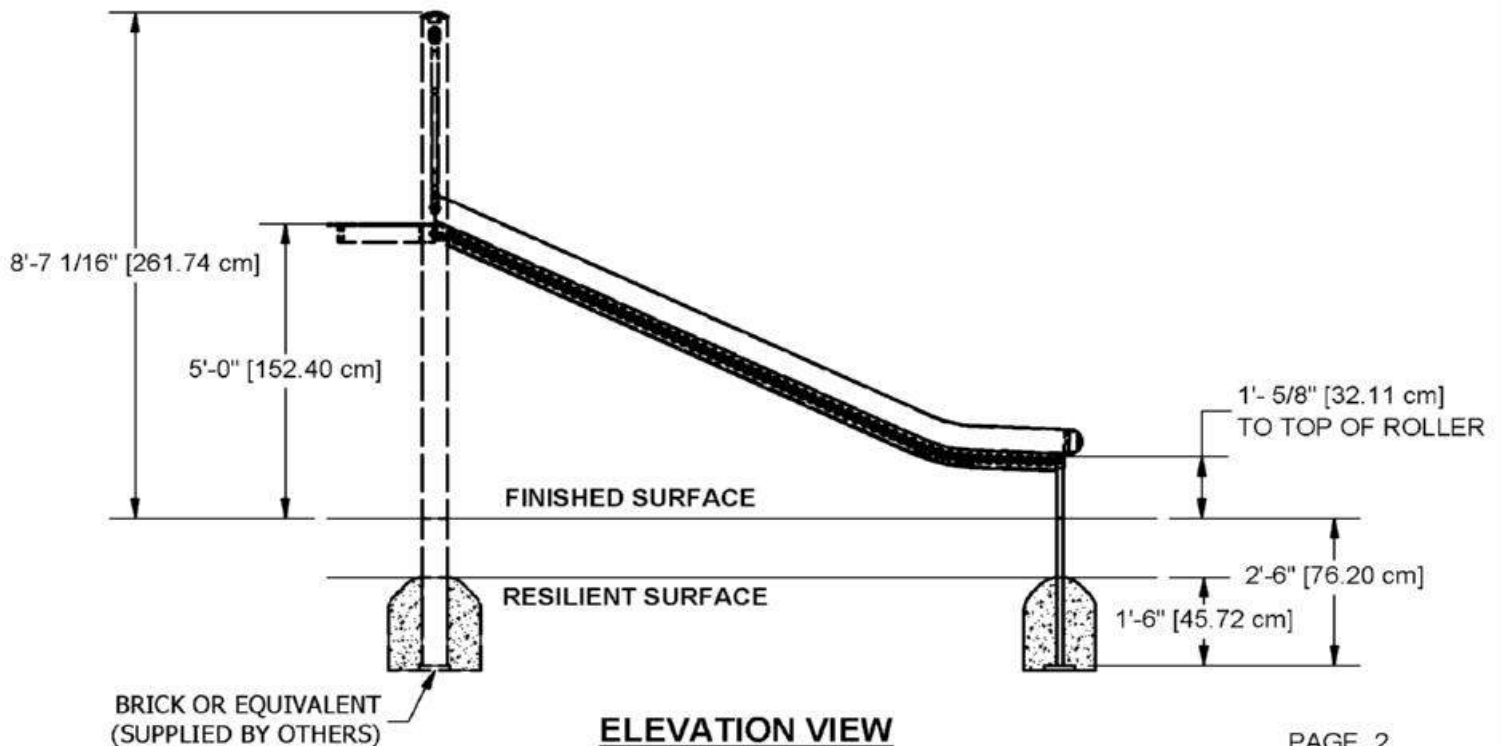
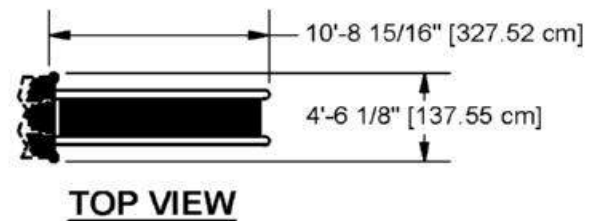
INSTALLATION INSTRUCTIONS

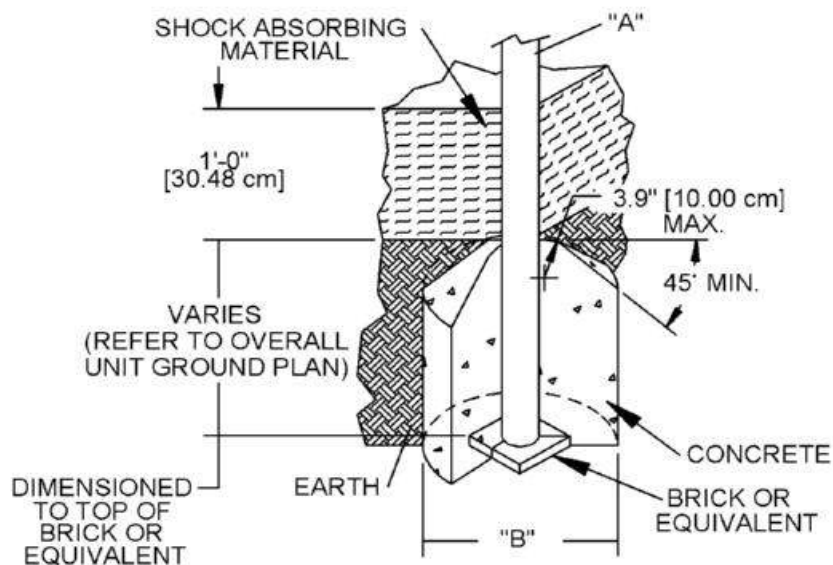
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3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 .12 CUBIC YARDS
 [.09 CUBIC METERS]





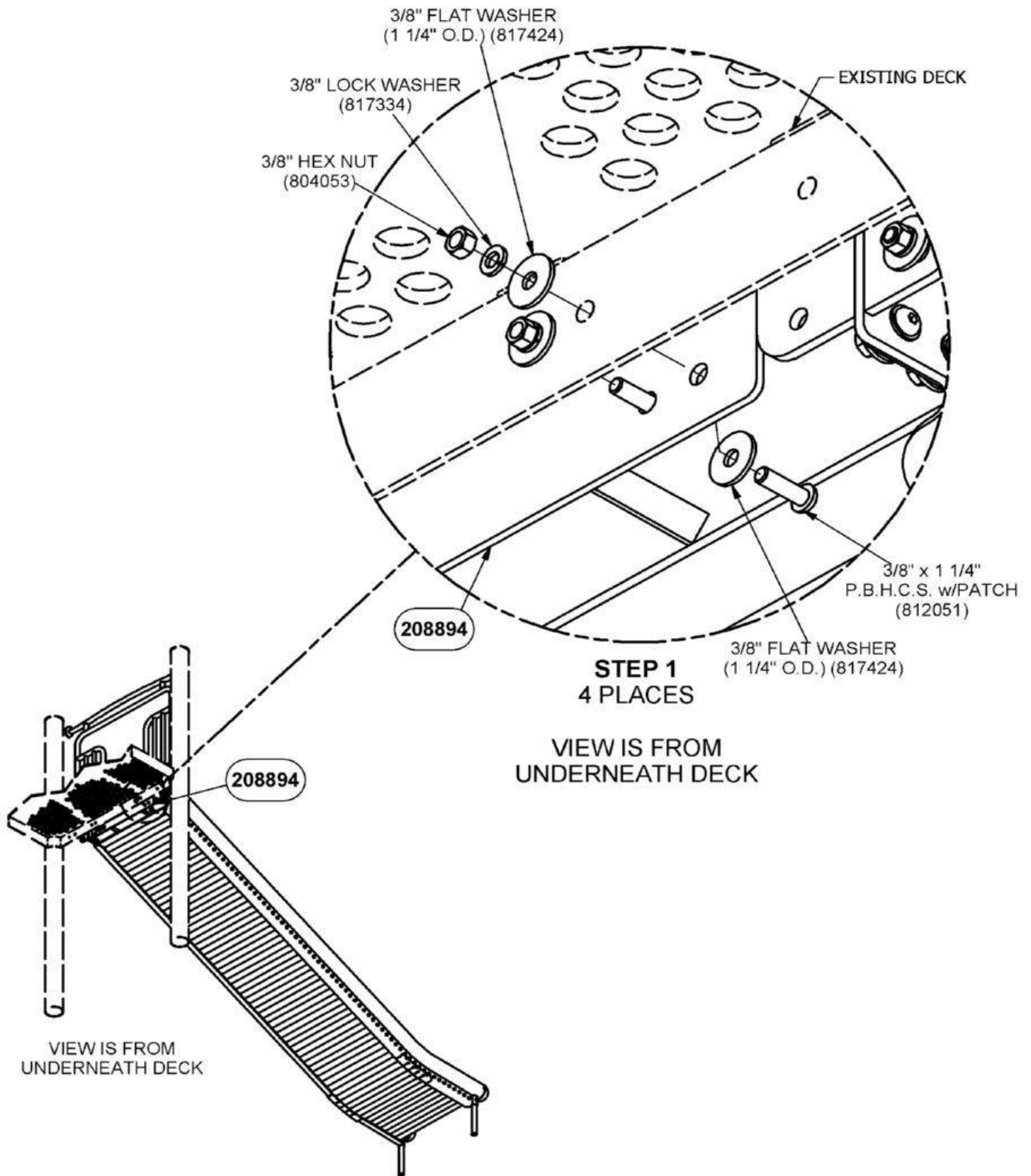
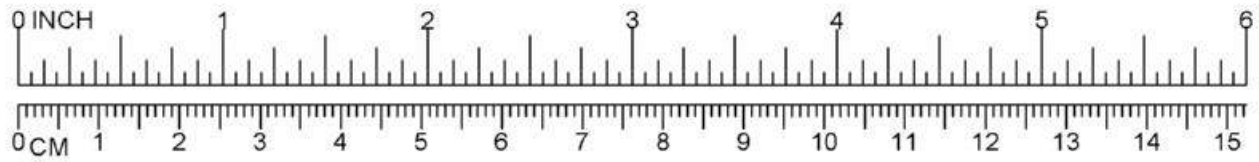
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

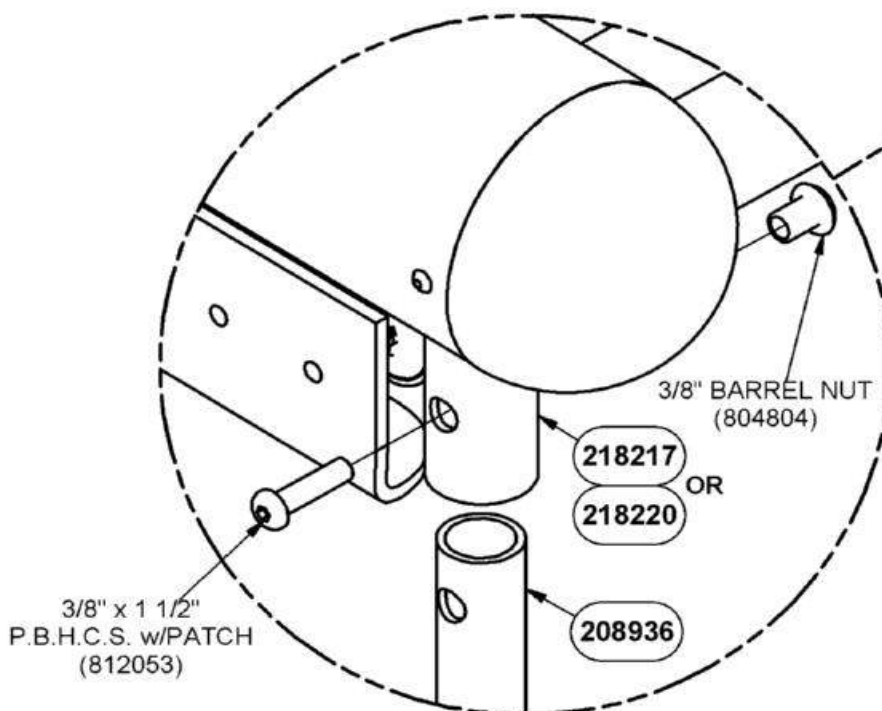
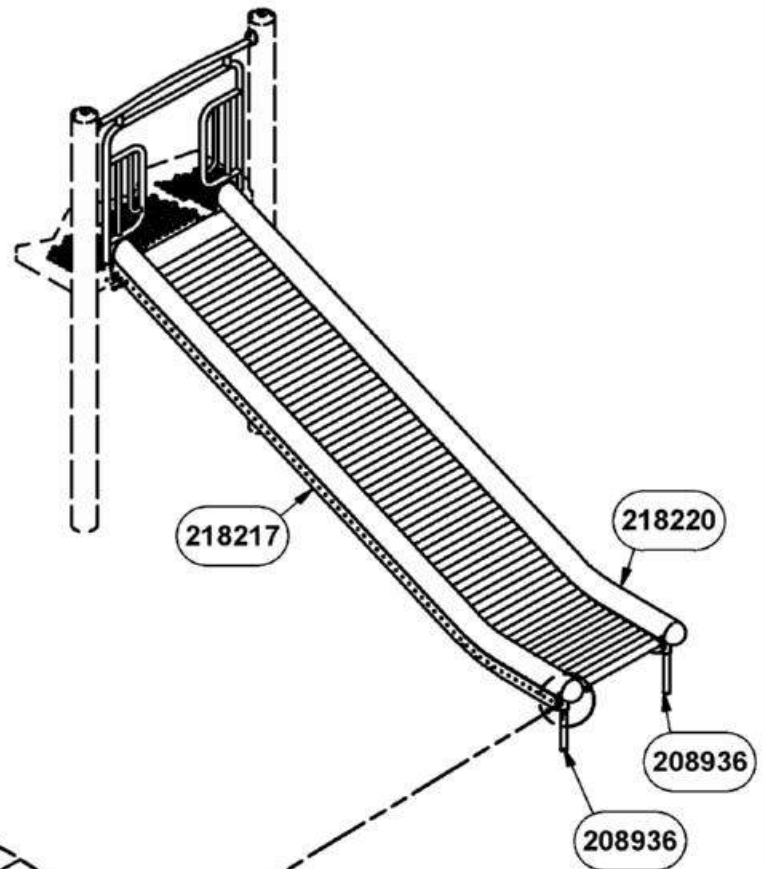
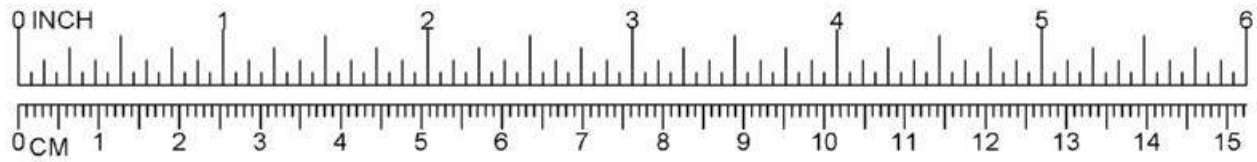
FOOTING DETAIL



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

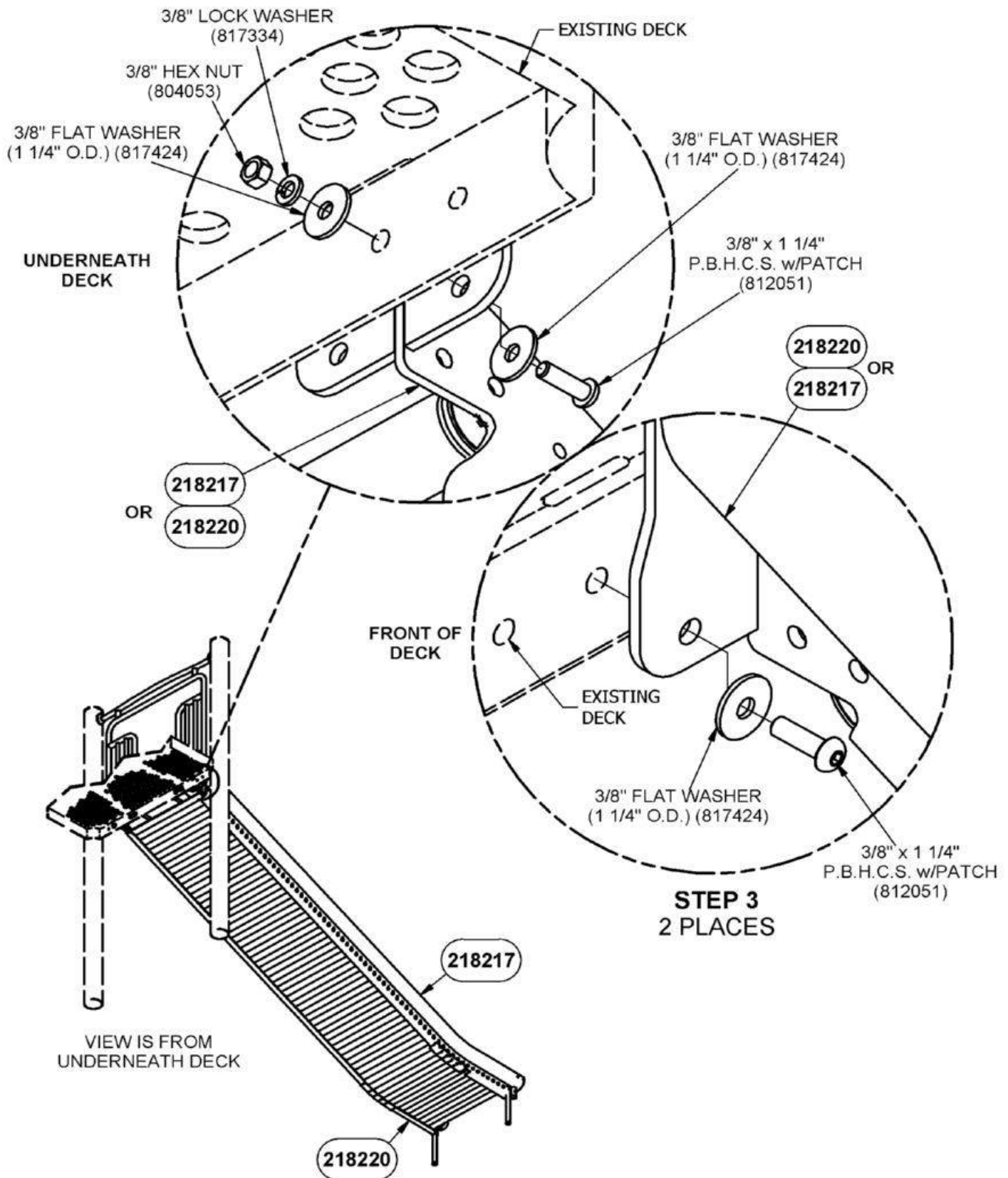
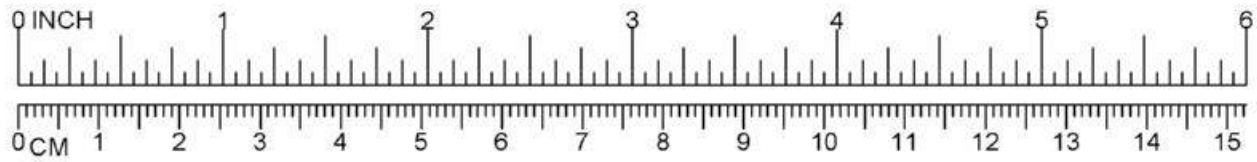
PAGE 4



STEP 2
2 PLACES

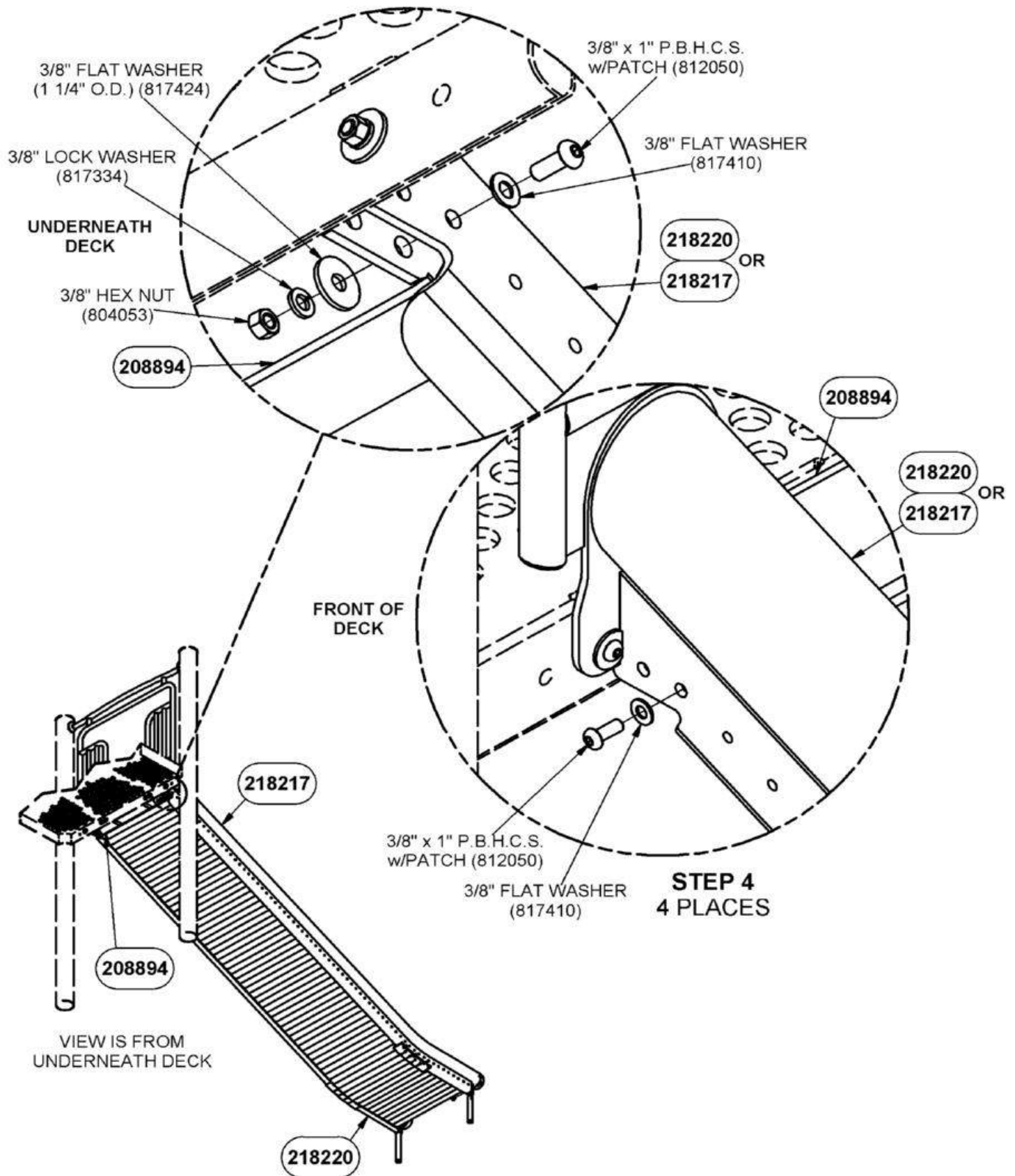
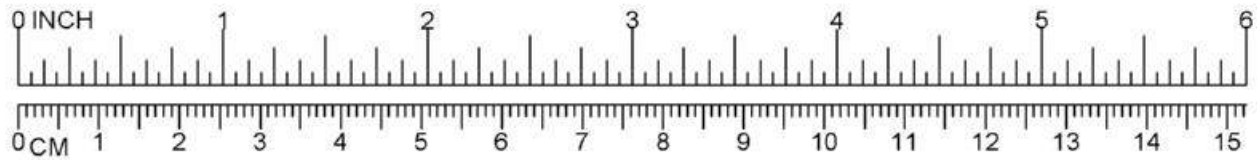
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

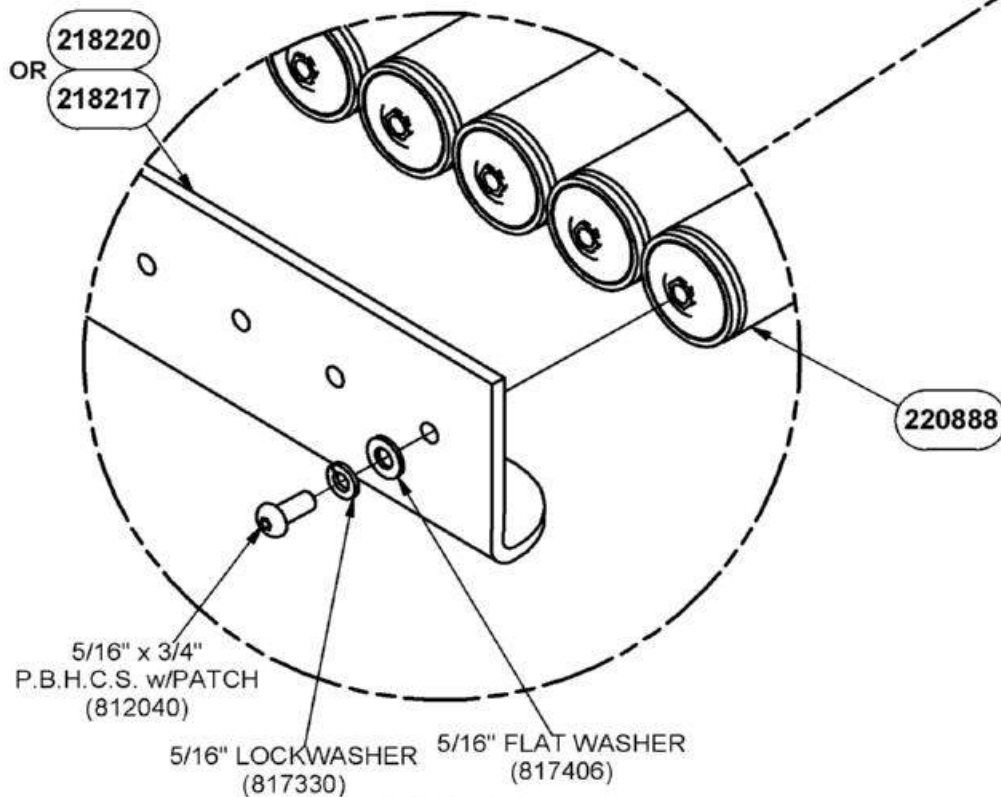
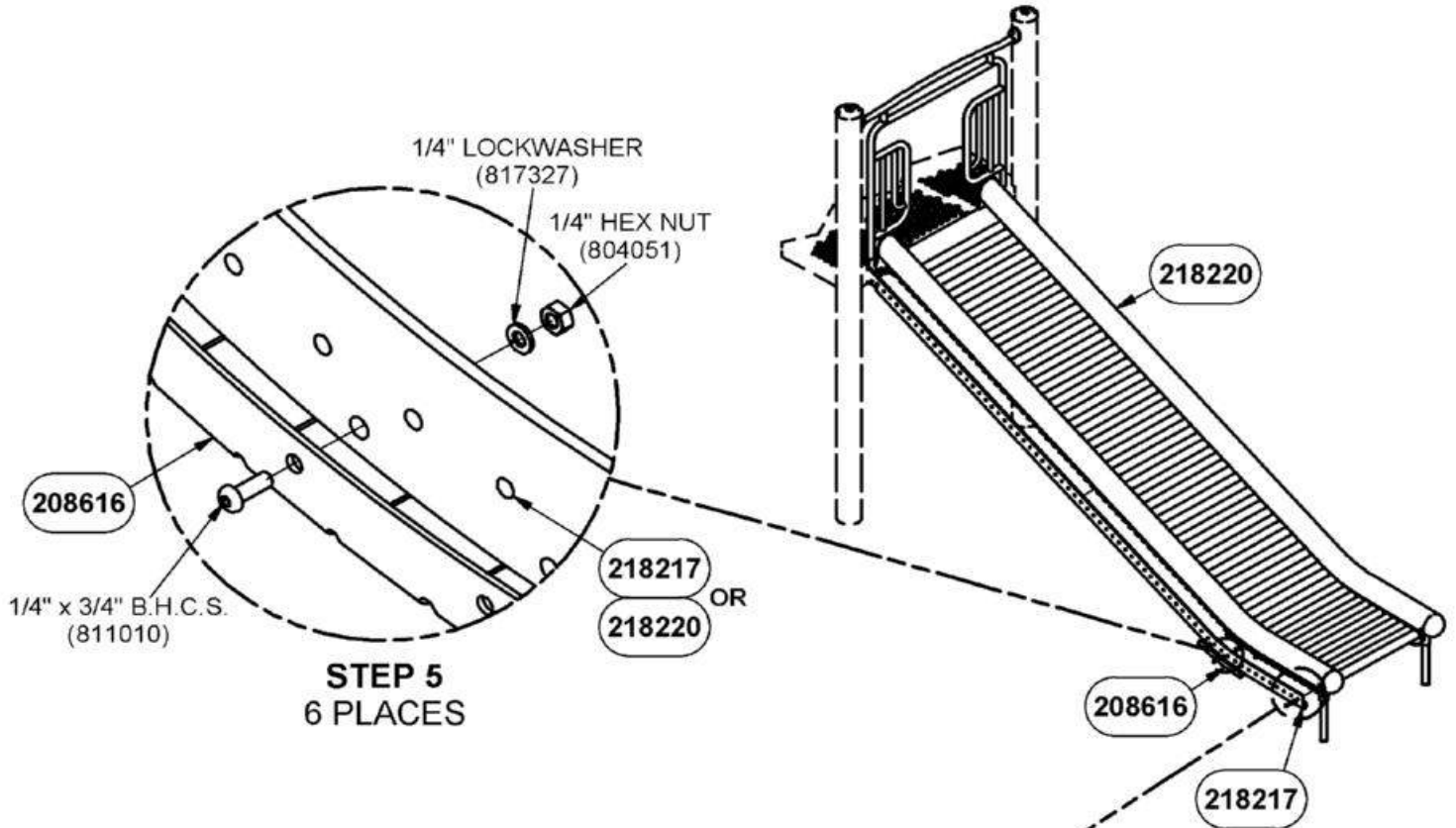
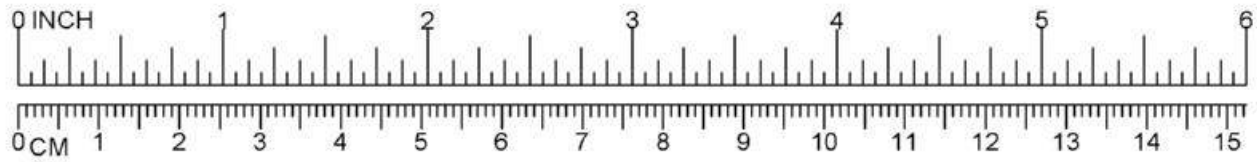
DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

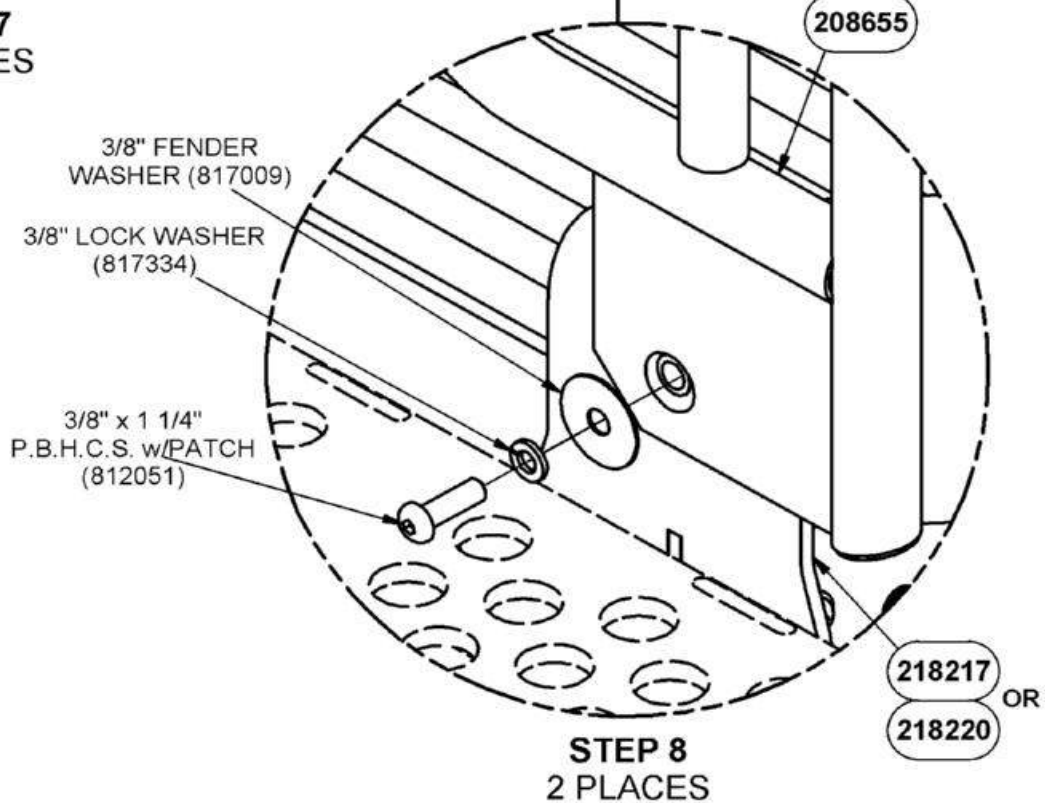
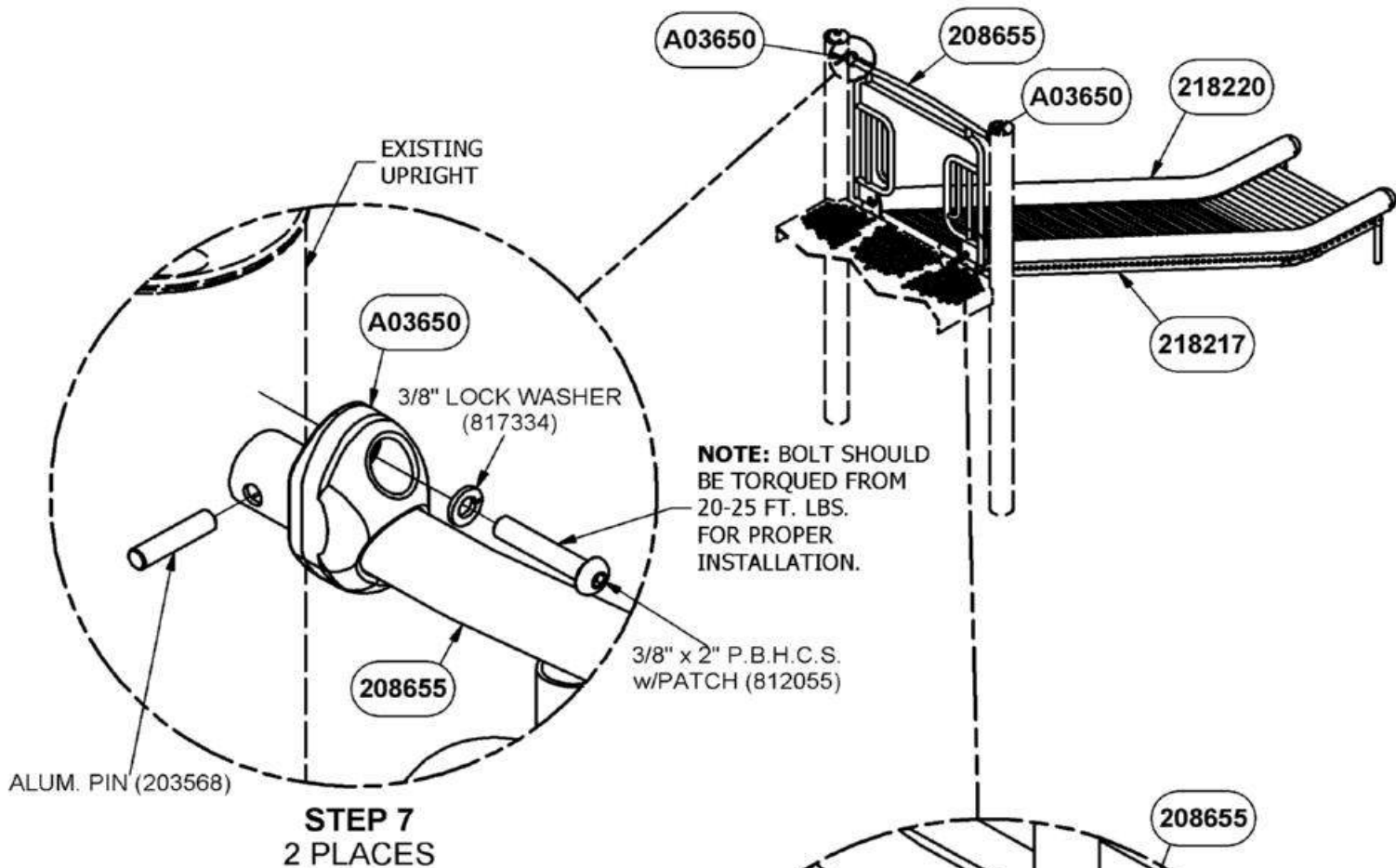
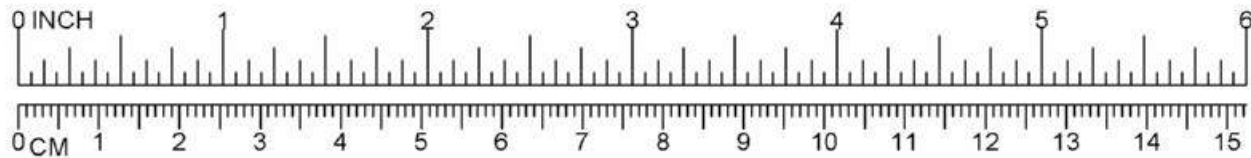
DETAIL VIEW

PAGE 7



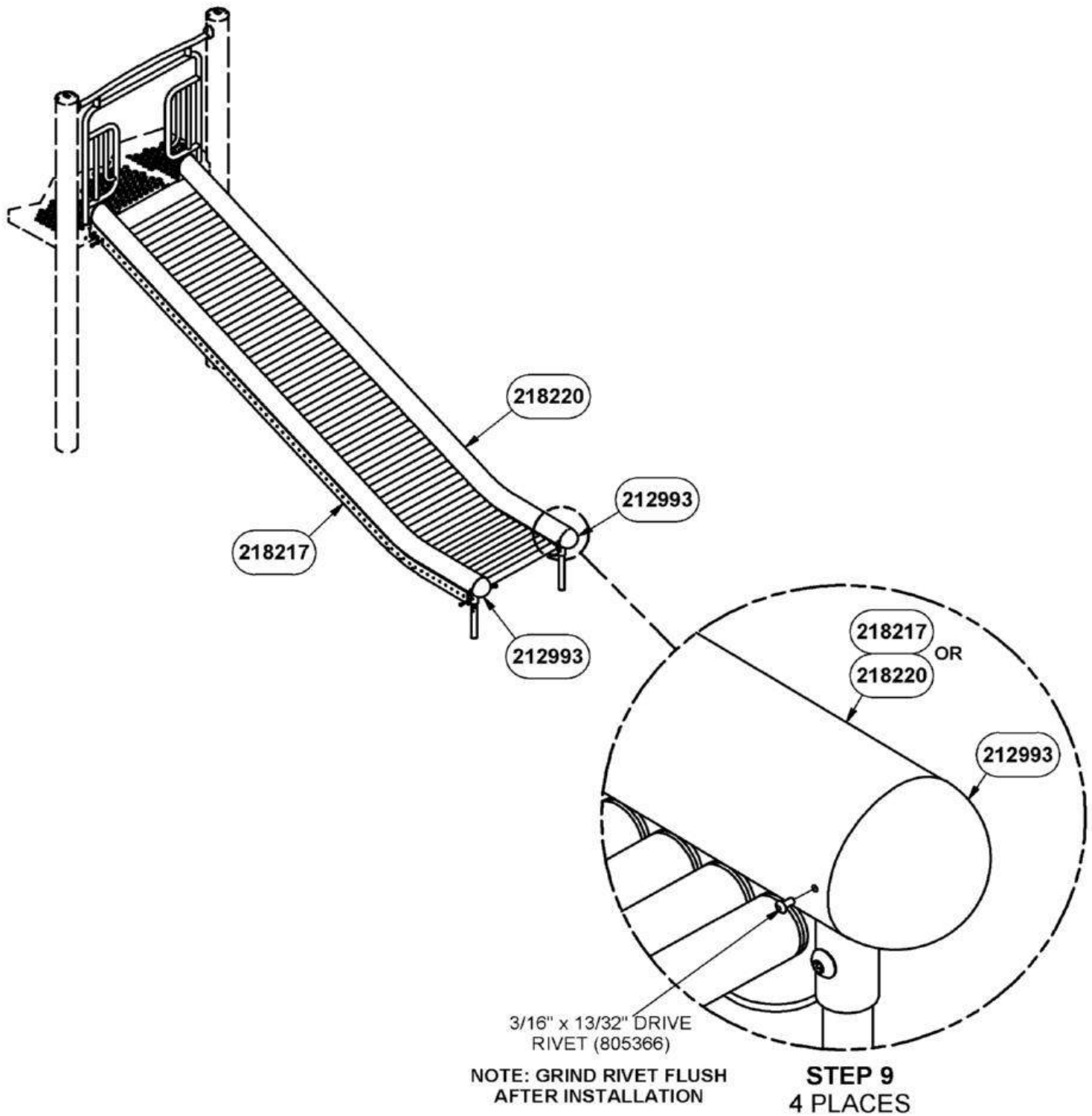
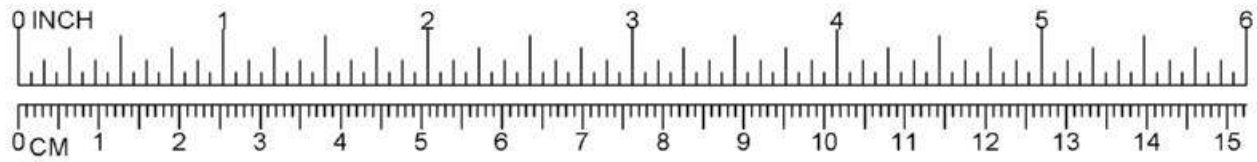
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DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: GRIND RIVET FLUSH
AFTER INSTALLATION

STEP 9
4 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

PAGE 10

Parts List		
DESCRIPTION	QTY	PART NUMBER
ROLLER SLIDE ENCLOSURE	1	208655
ROLLER SLIDE SIDE RAIL ASSY	1	218217
ROLLER SLIDE SIDE RAIL ASSY	1	218220
TRANSITION PLATE	1	208894
IN-GROUND PIPE	2	208936
COVER PLATE	2	208616
TRU-LOC	2	A03650
ALUMINUM END CAP	2	212993
ROLLER ASSEMBLY	65	220888
HARDWARE COMPLETE	1	207768
3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" BARREL NUT	2	804804*
3/8" FENDER WASHER	2	817009*
3/8" FLAT WASHER (1 1/4" O.D.)	16	817424*
3/8" FLAT WASHER	4	817410*
3/8" LOCK WASHER	14	817334*
3/8" HEX NUT	10	804053*
1/4" x 3/4" B.H.C.S.	6	811010*
1/4" LOCKWASHER	6	817326*
1/4" HEX NUT	6	804051*
5/16" x 3/4" P.B.H.C.S. w/PATCH	130	812040*
5/16" FLAT WASHER	130	817406*
5/16" LOCKWASHER	130	817330*
3/16" x 13/32" DRIVE RIVET	4	805366*
ALUM. PIN	2	203568*

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* Included in Hardware*

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

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

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.

MAINTENANCE PROCEDURE:

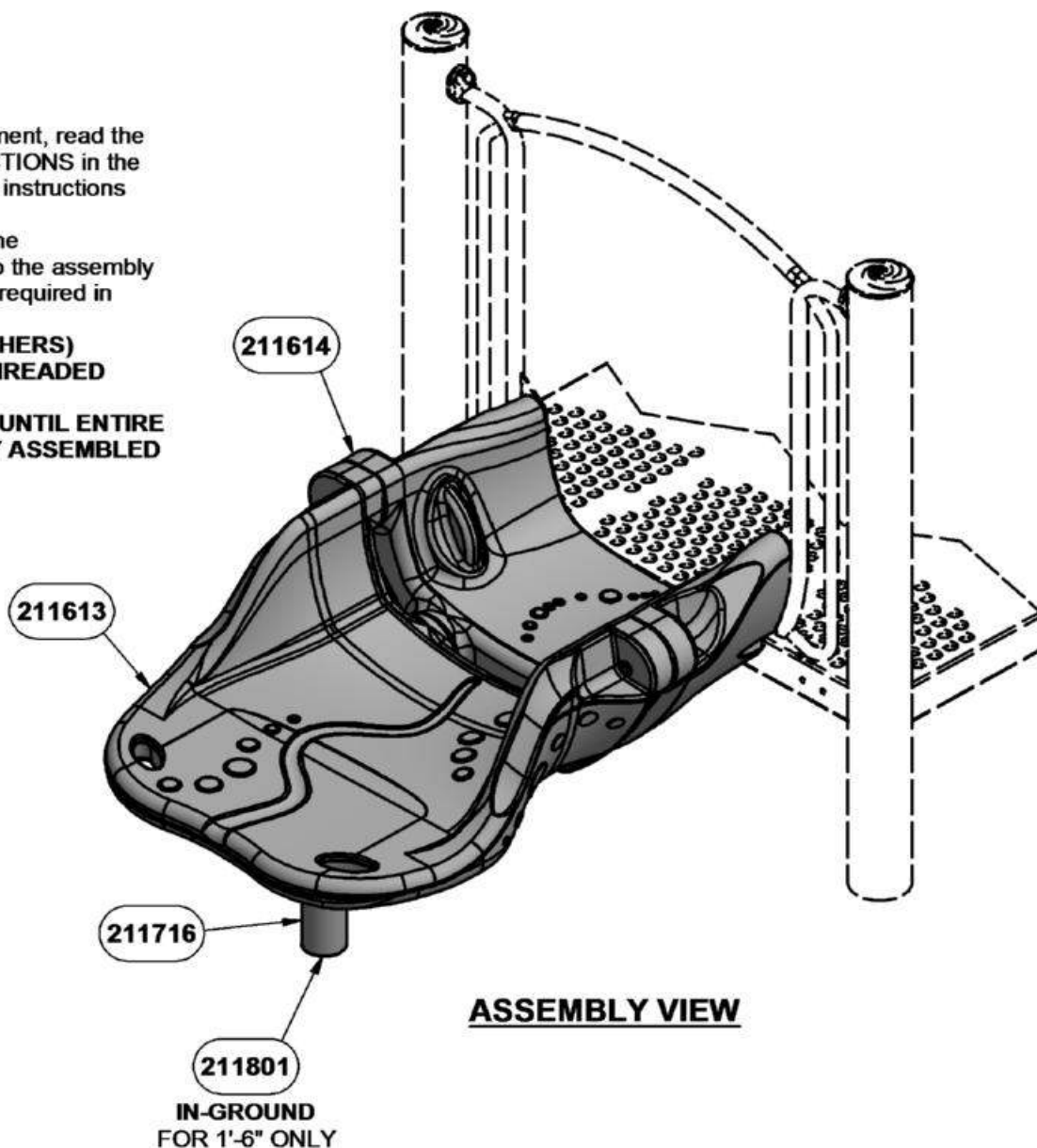
- Periodically check hardware for tightness, and tighten as necessary.
- Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced.
- Check all metal parts for rust, paint loss and touch-up if necessary with paint.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

SENSORY WAVE CLIMBER TRANSFER

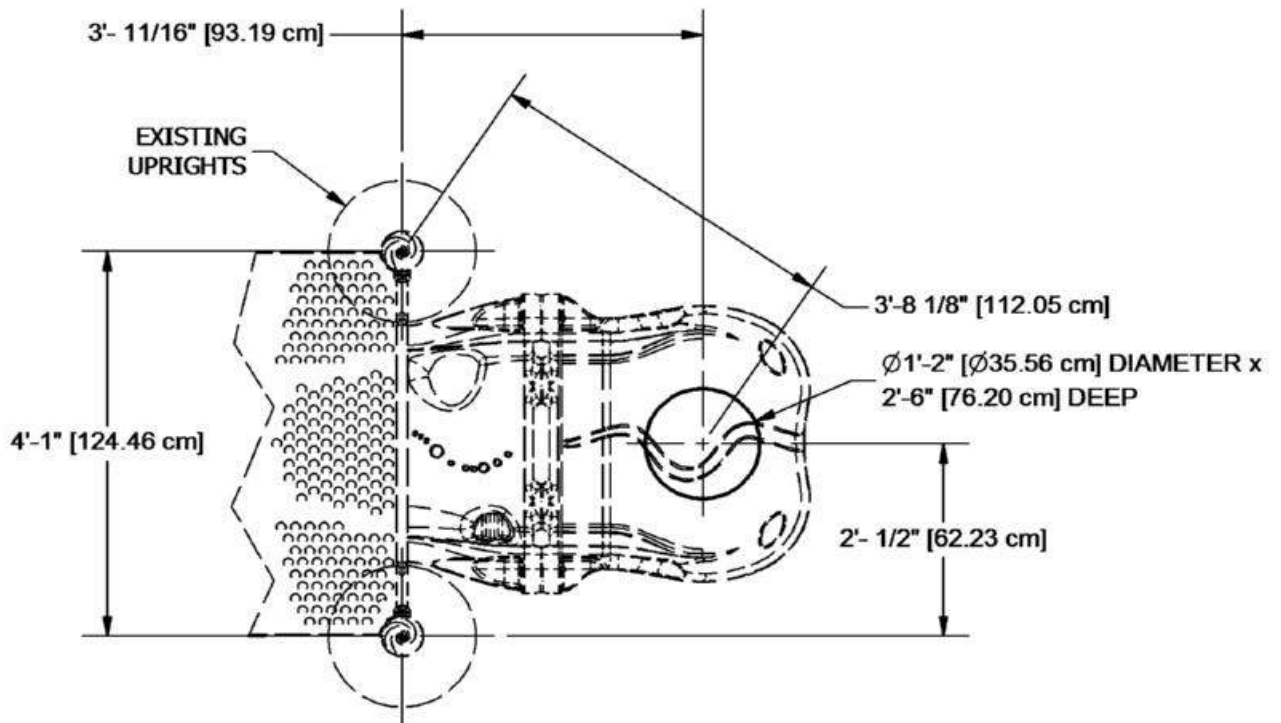


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



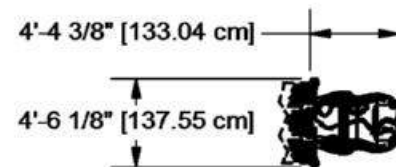
ASSEMBLY VIEW



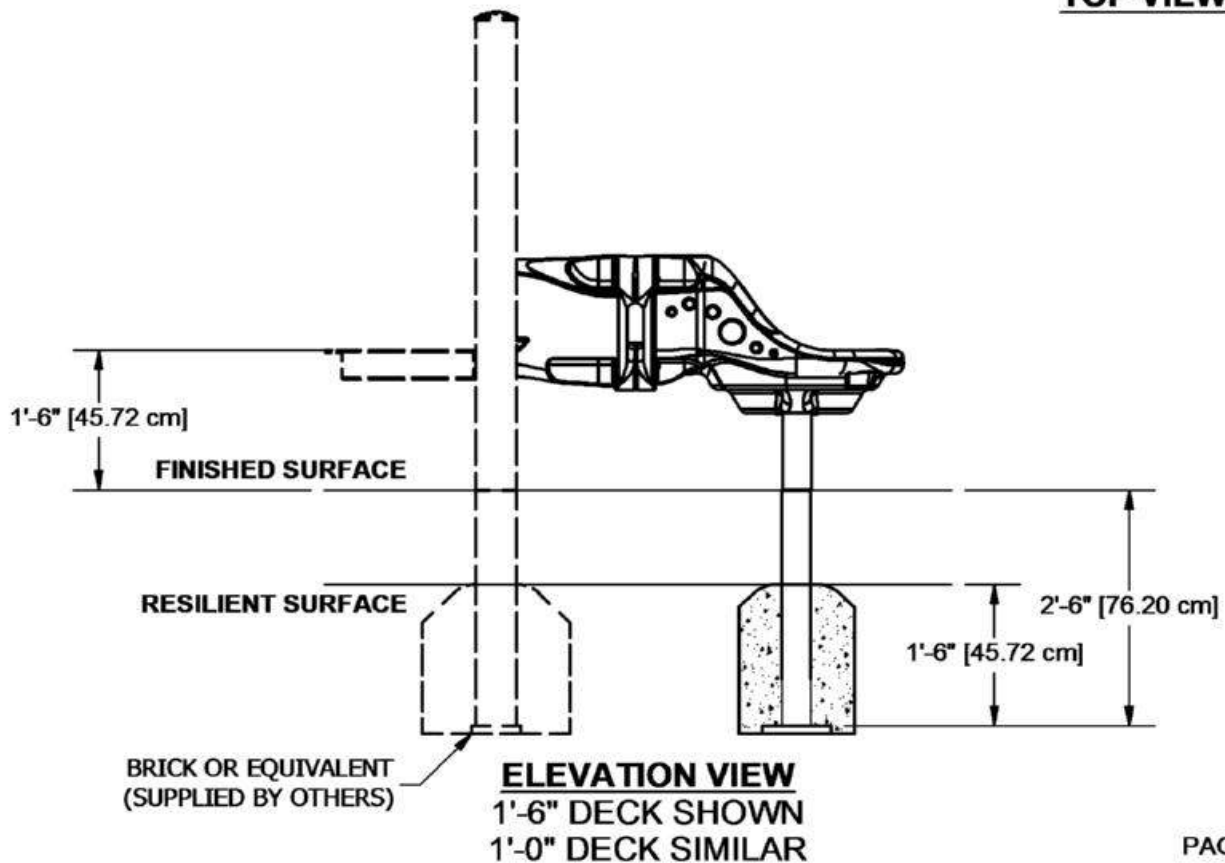
PLAN VIEW

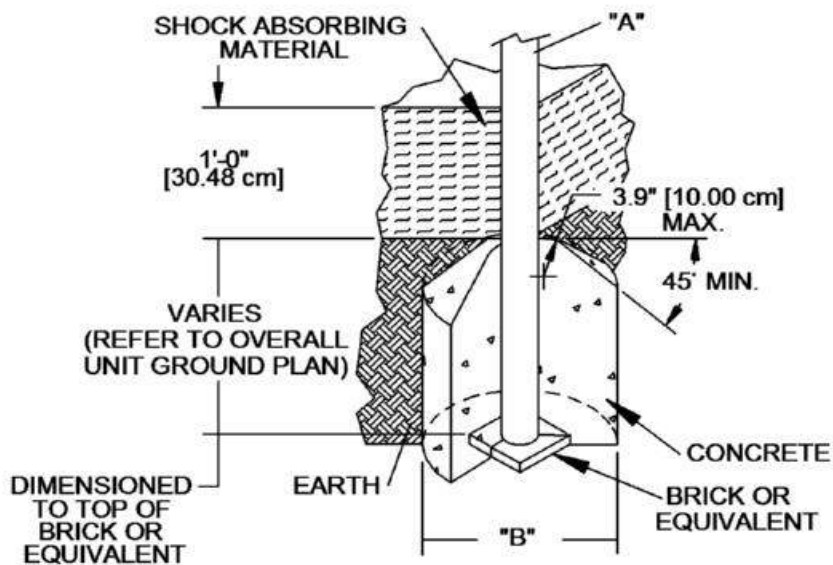
CONCRETE REQUIRED:
 .06 CUBIC YARDS
 [.05 CUBIC METERS]

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



TOP VIEW





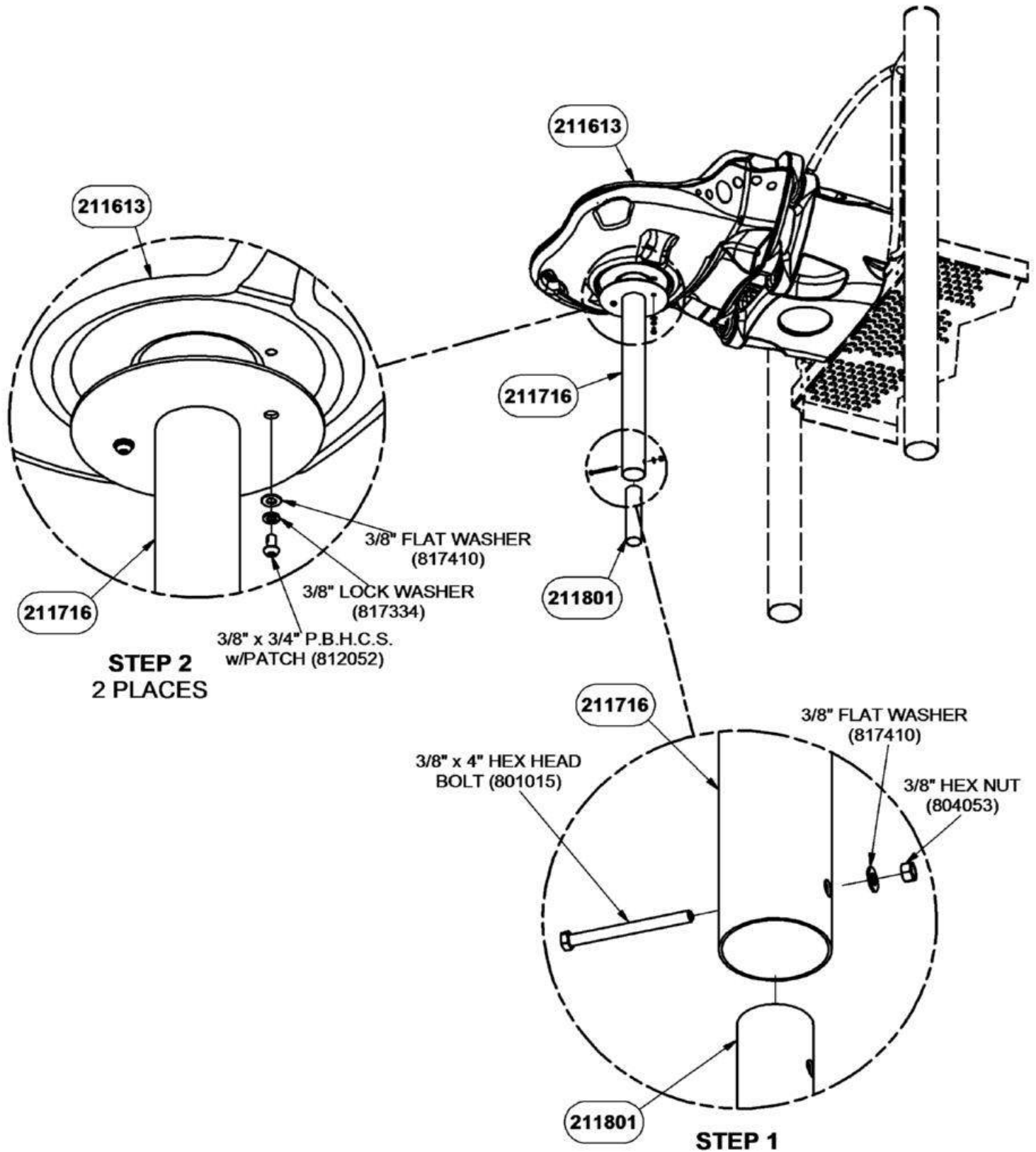
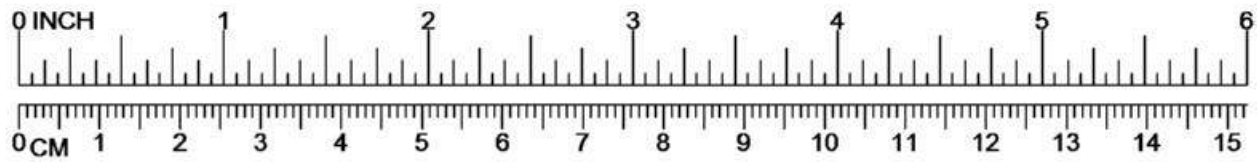
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
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FOOTING DETAIL



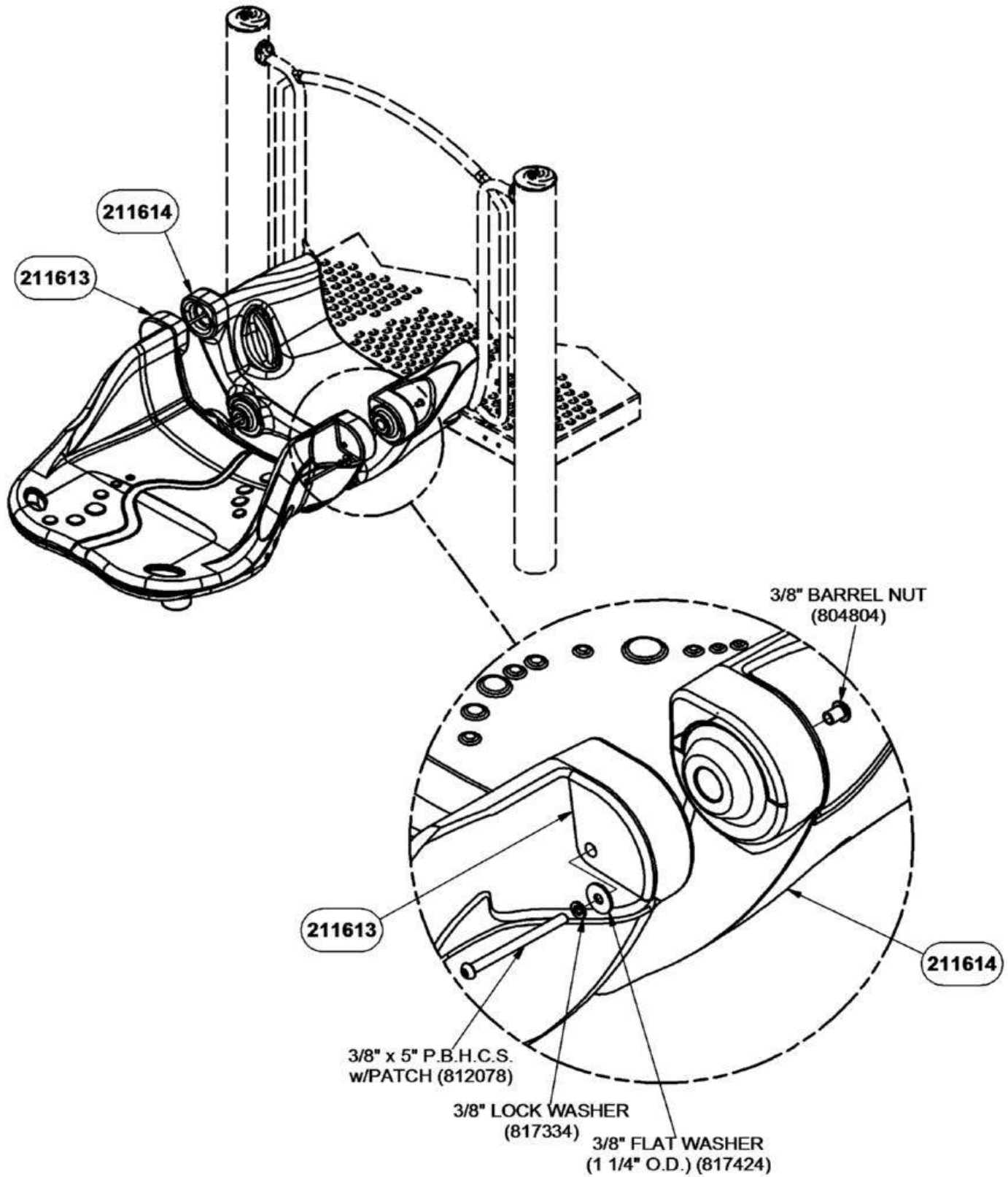
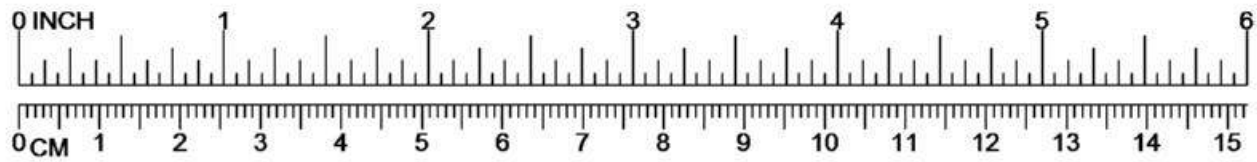
STEP 2
2 PLACES

STEP 1

NOTE: EXTENSION IS ONLY USED
FOR 1'-6" DECK HEIGHT

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

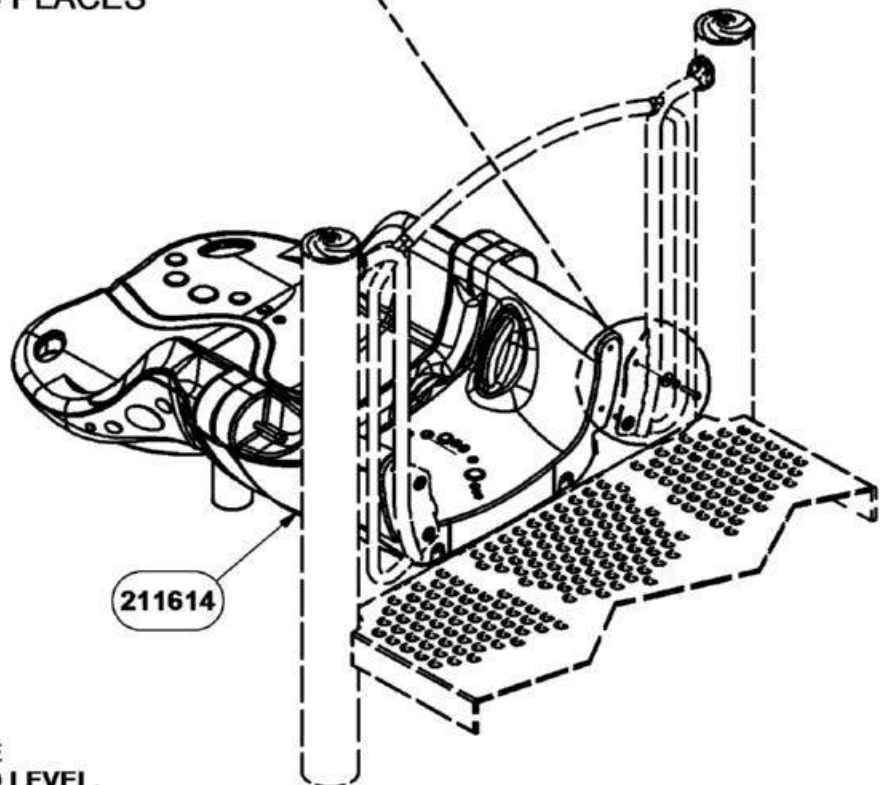
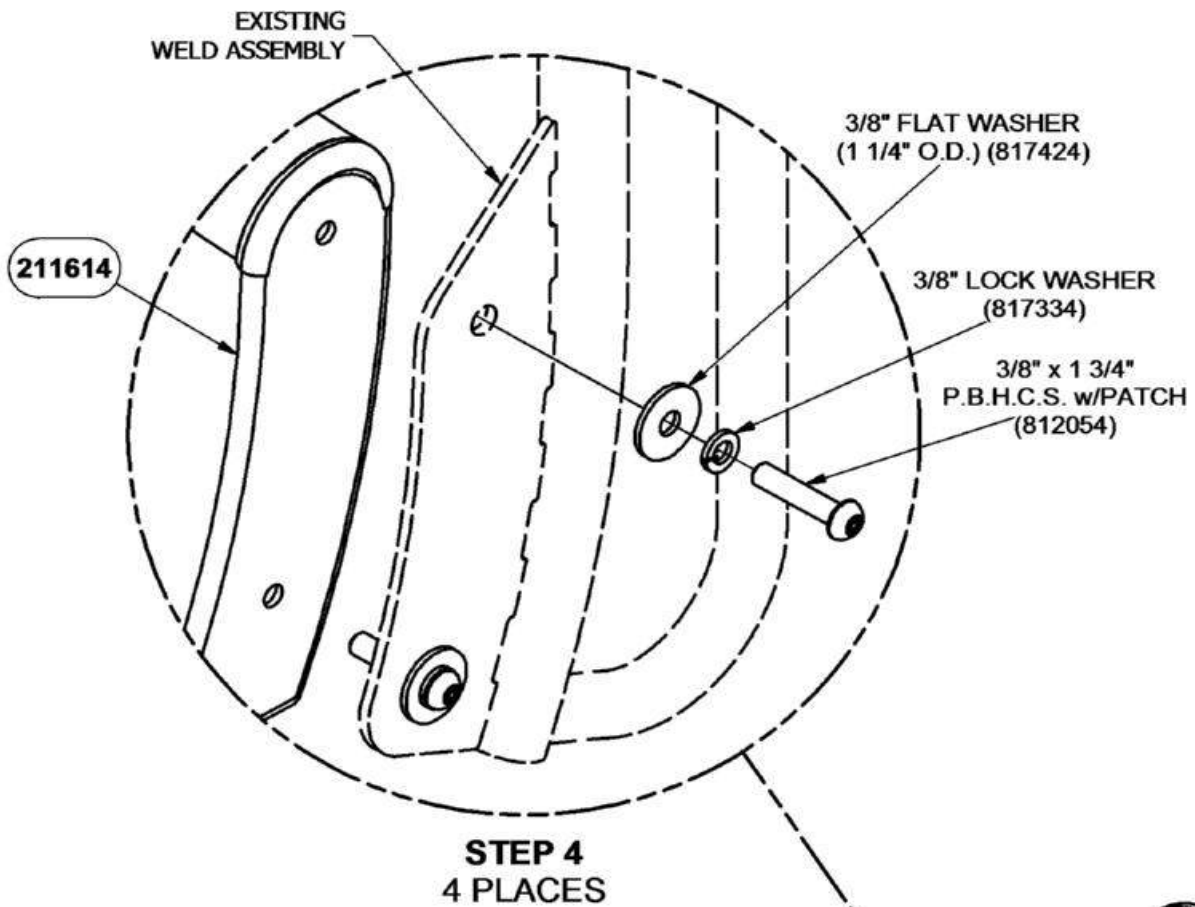
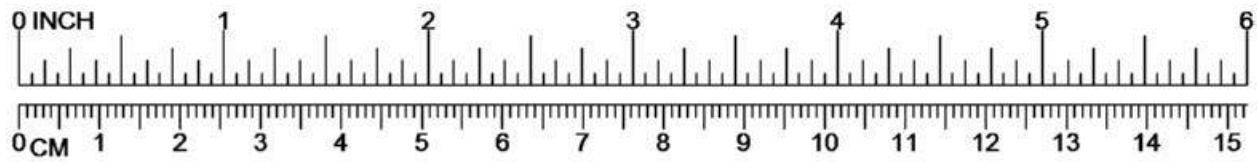
DETAIL VIEW



STEP 3
4 PLACES

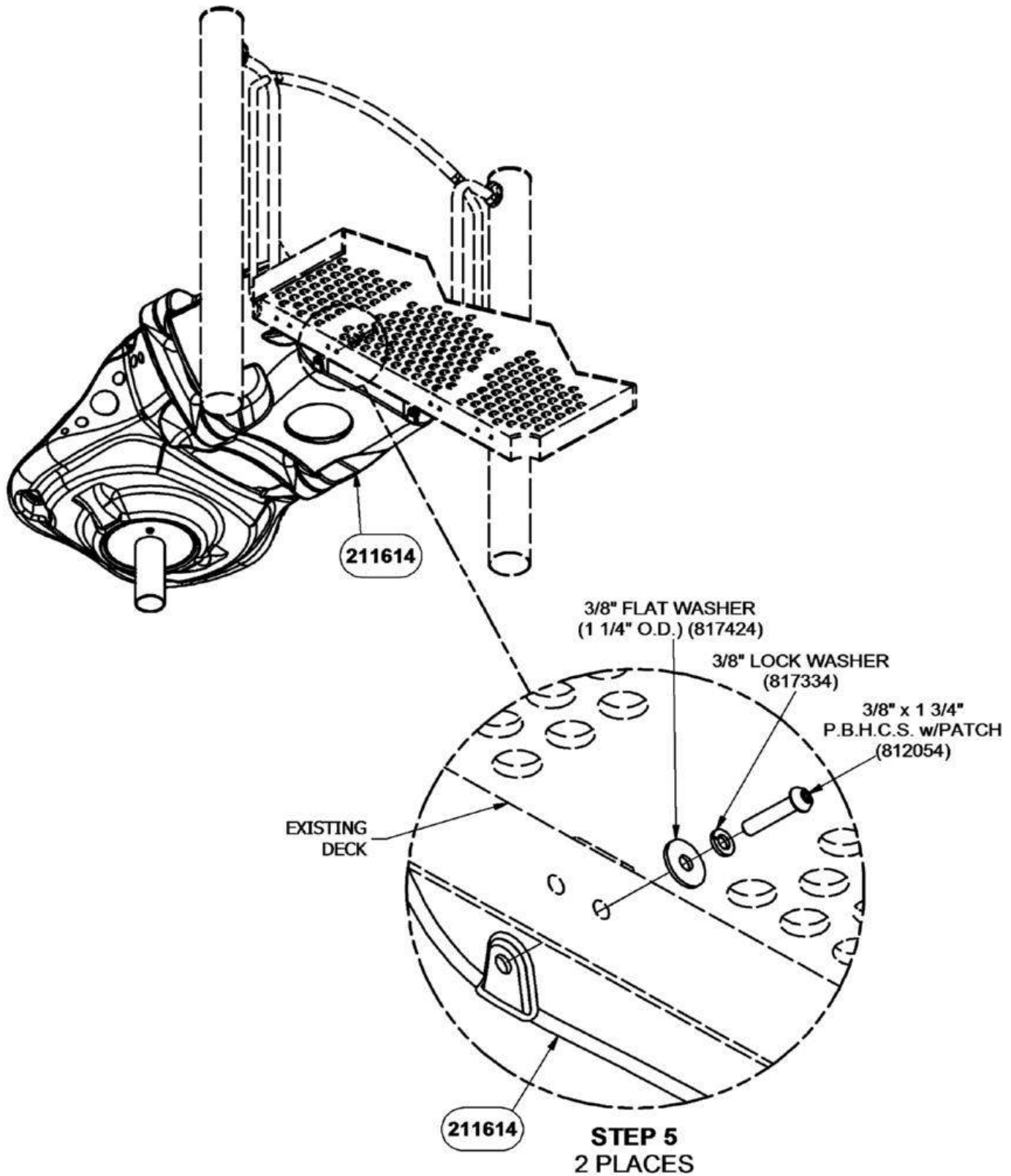
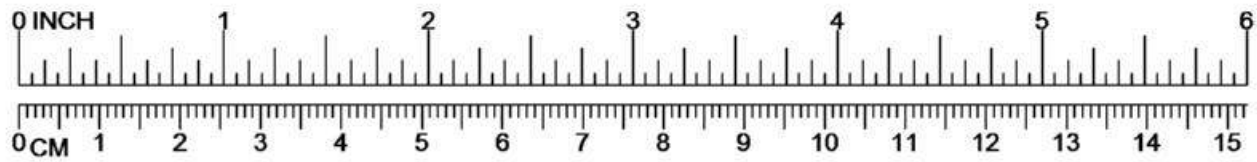
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DETAIL VIEW



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DETAIL VIEW



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
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DETAIL VIEW

PAGE 7

Parts List		
DESCRIPTION	QTY	PART NUMBER
WAVE END TRANSFER	1	211613
WAVE DECK COUPLER	1	211614
FOOTBUCK WELD ASSEMBLY	1	211716
HARDWARE COMPLETE	1	211821
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	812054*
3/8" x 4" HEX HEAD BOLT	1	801015*
3/8" x 5" P.B.H.C.S. w/PATCH	4	812078*
3/8" FLAT WASHER (1 1/4" O.D.)	10	817424*
3/8" FLAT WASHER	3	817410*
3/8" LOCK WASHER	12	817334*
3/8" BARREL NUT	4	804804*
3/8" HEX NUT	1	804053*
EXTENSION PIPE	1	211801*

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PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/18/2024

91377

SENSORY WAVE CLIMBER UP & ON LINK

 = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE

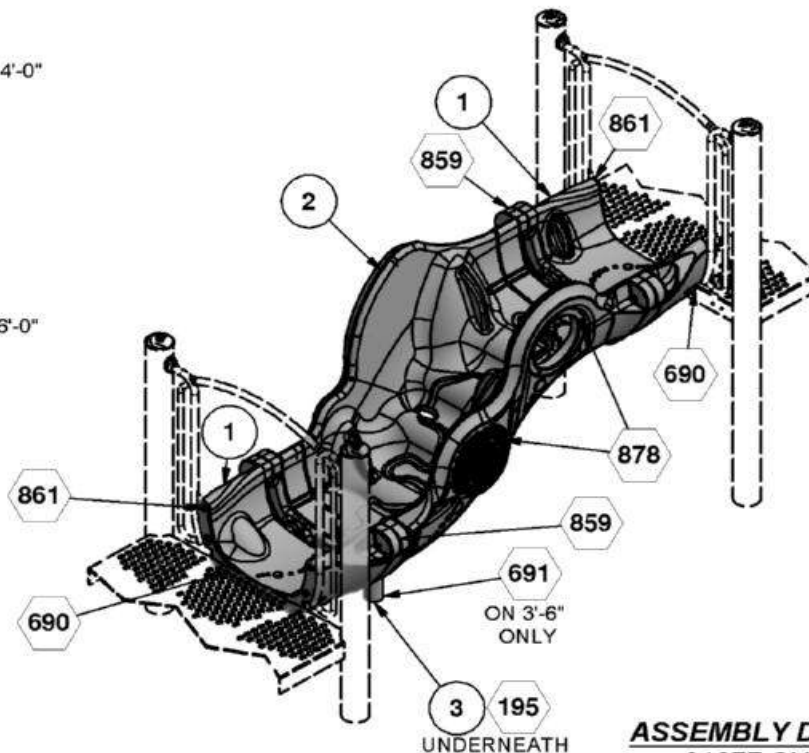
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4'-0" - 4'-6"	91378
5'-0" - 5'-6"	91379
6'-0"	91380



UP TO 4'-0"



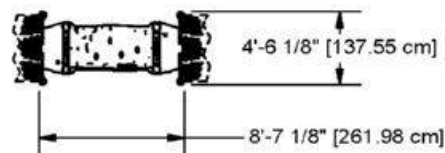
UP TO 6'-0"



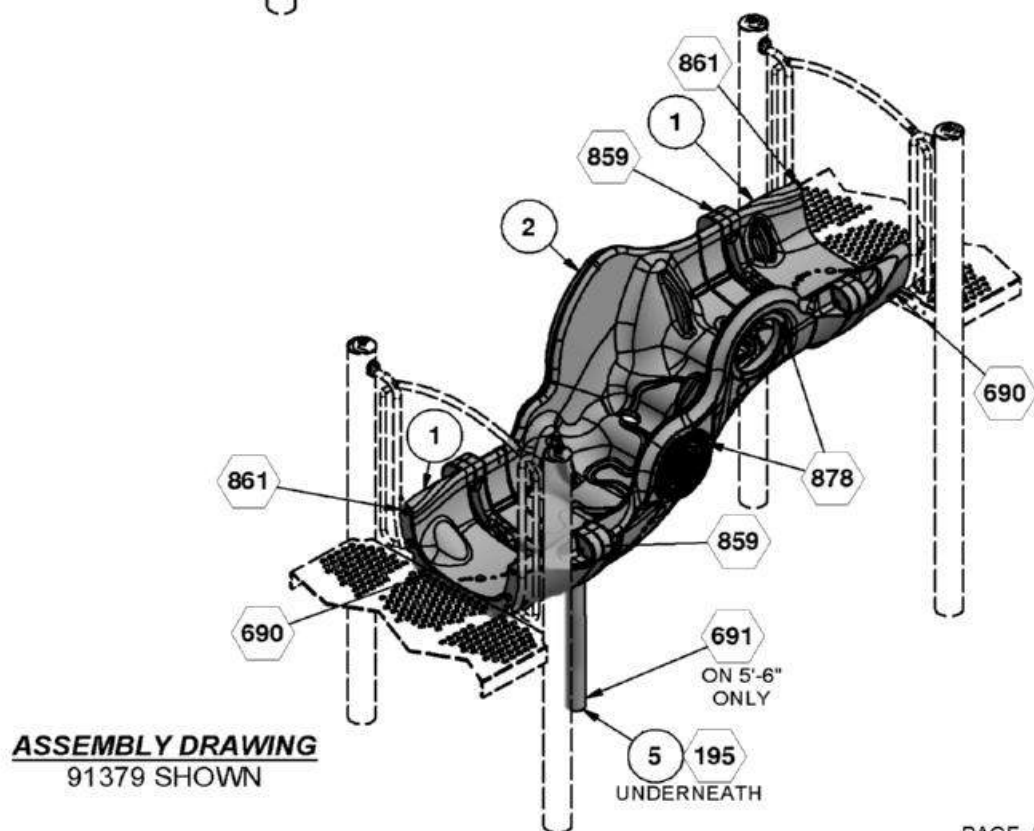
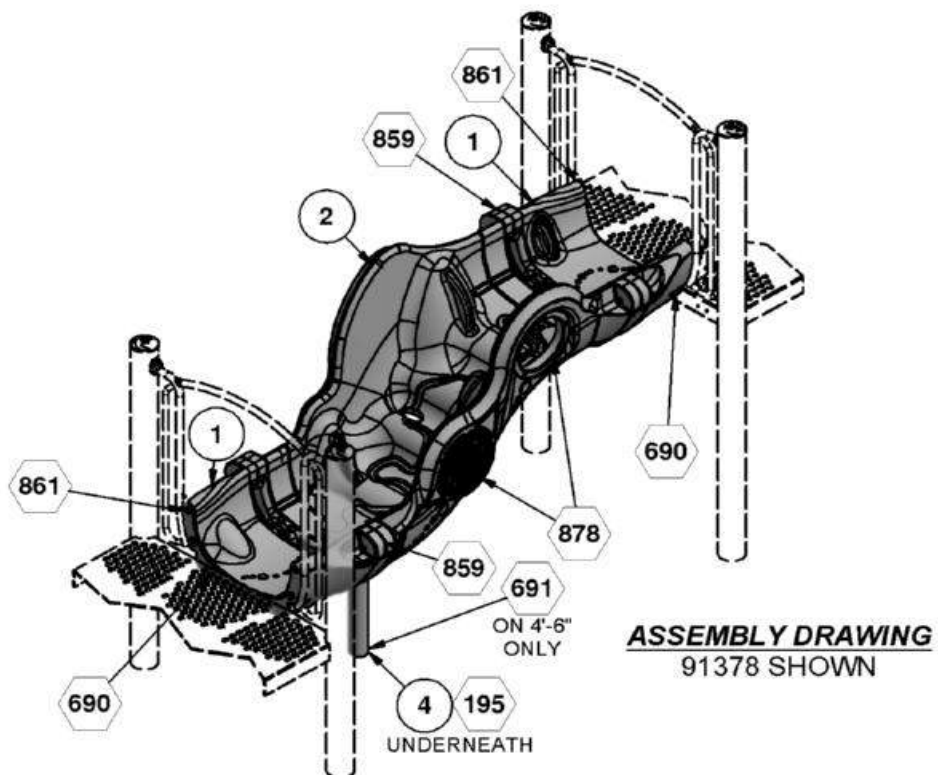
ASSEMBLY DRAWING
91377 SHOWN

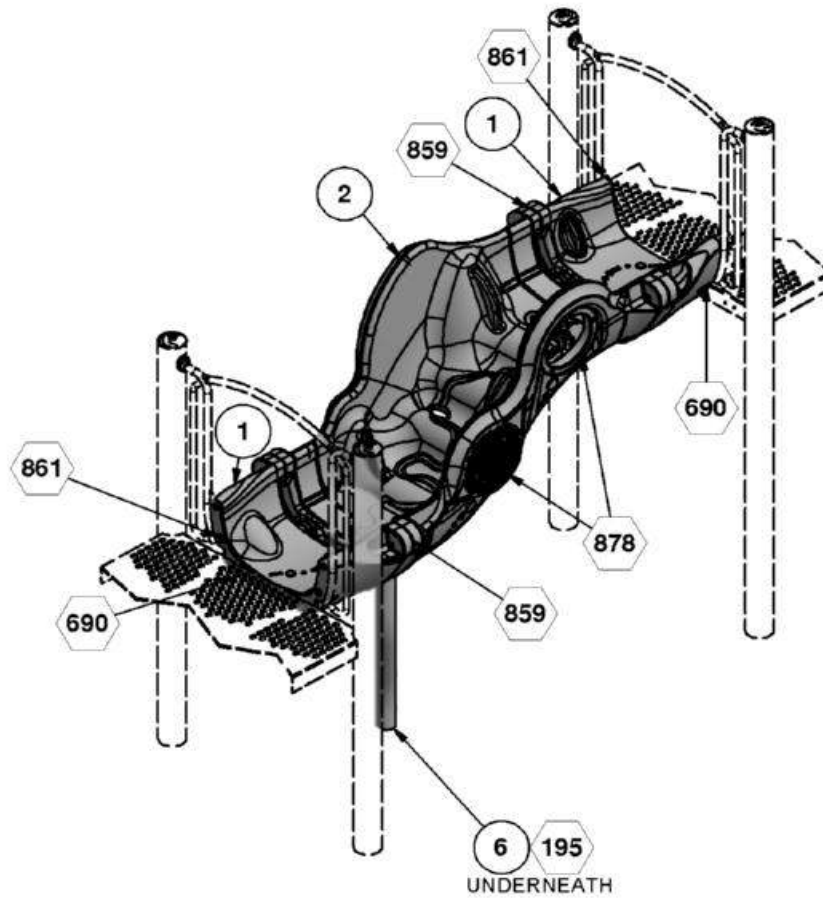
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW





ASSEMBLY DRAWING
91380 SHOWN

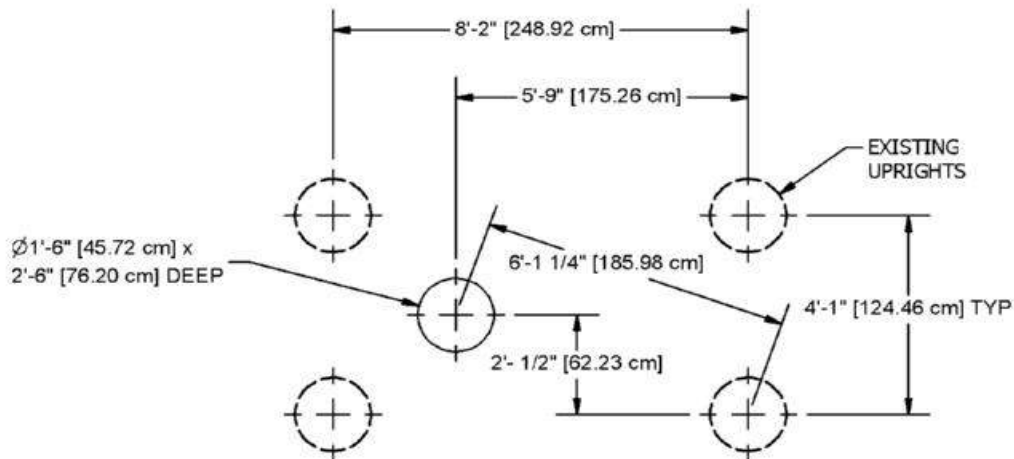
Parts List						
REF.	DESCRIPTION	91377	91378	91379	91380	PART NUMBER
1	WAVE DECK COUPLER	2	2	2	2	211614
2	WAVE ARCH	1	1	1	1	211610
3	FOOTBUCK WELD ASS'Y	1	0	0	0	211712
4	FOOTBUCK WELD ASS'Y	0	1	0	0	211823
5	FOOTBUCK WELD ASS'Y	0	0	1	0	211779
6	FOOTBUCK WELD ASS'Y	0	0	0	1	211826
	HARDWARE COMPLETE	1	1	1	0	211946
	HARDWARE COMPLETE	0	0	0	1	211947
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	12	12	12	12	812054*
	3/8" x 4" HEX HEAD BOLT	1	1	1	0	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	8	8	8	8	812078*
	3/8" FLAT WASHER	3	3	3	0	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	20	20	20	20	817424*
	3/8" BARREL NUT	8	8	8	8	804804*
	3/8" LOCKWASHER	22	22	22	22	817334*
	3/8" HEX NUT	1	1	1	0	804053*
	EXTENSION PIPE	1	1	1	0	211801*
	DOMED PLUG	18	18	18	18	818379*

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

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

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

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

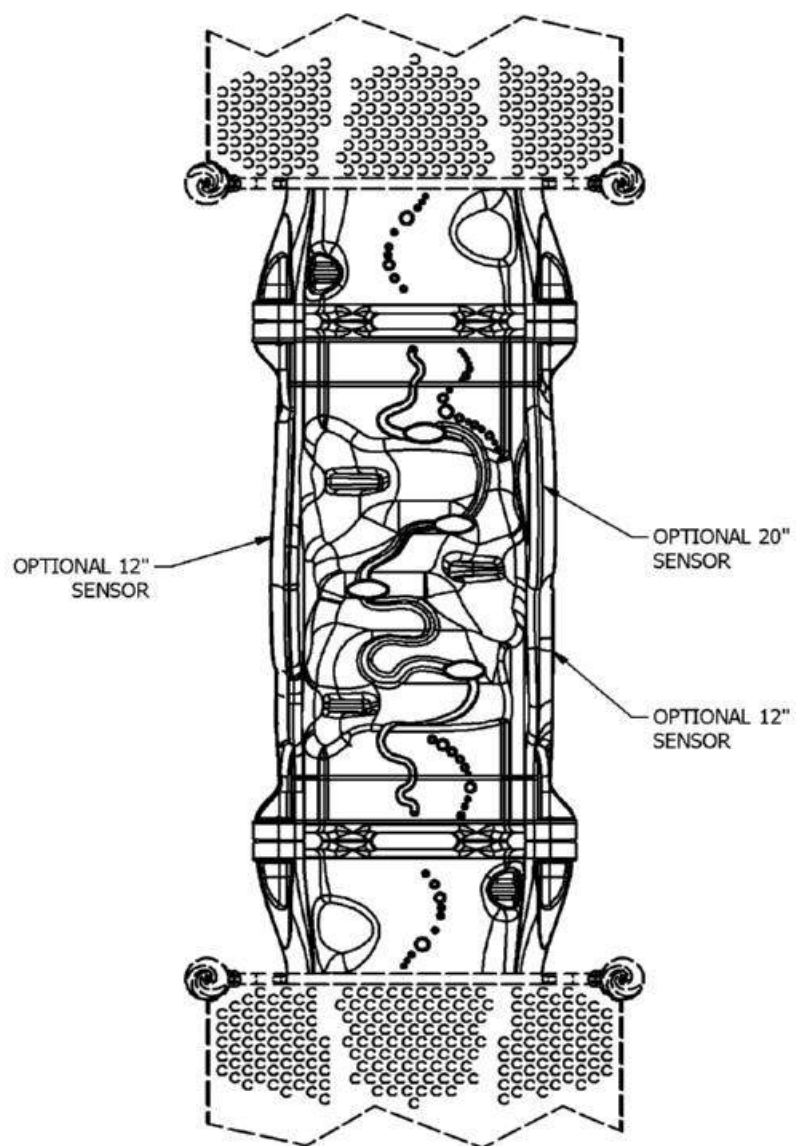


NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE

CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]

GROUND PLAN

PAGE 4



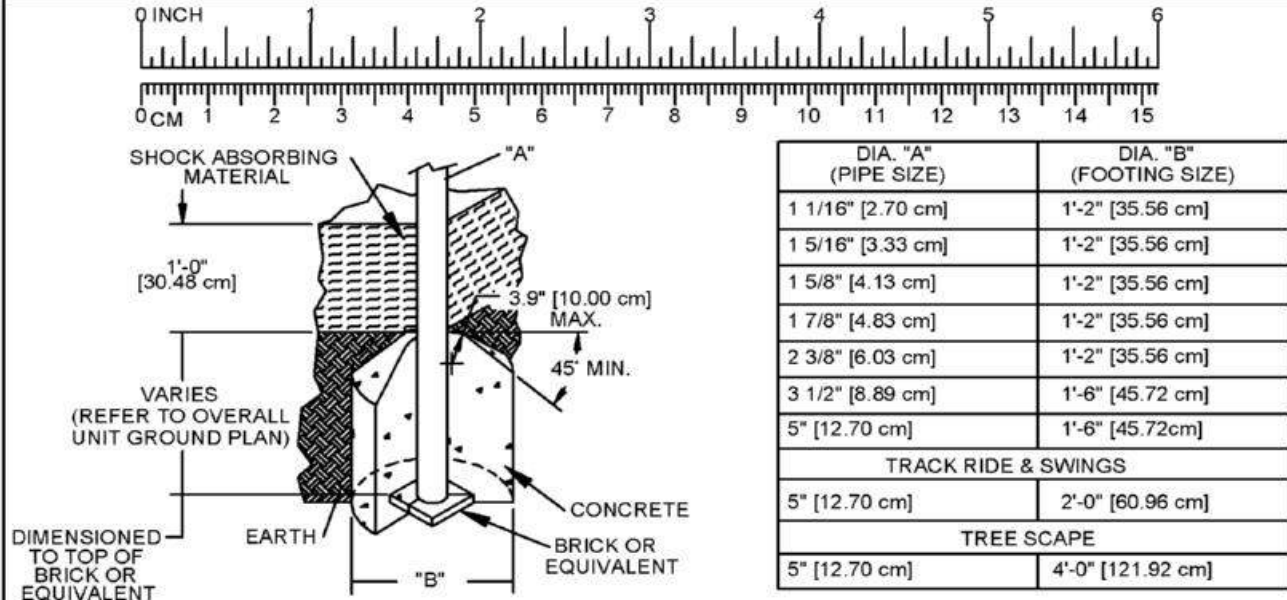
DETAILS -for- 91377 THRU 91380

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.

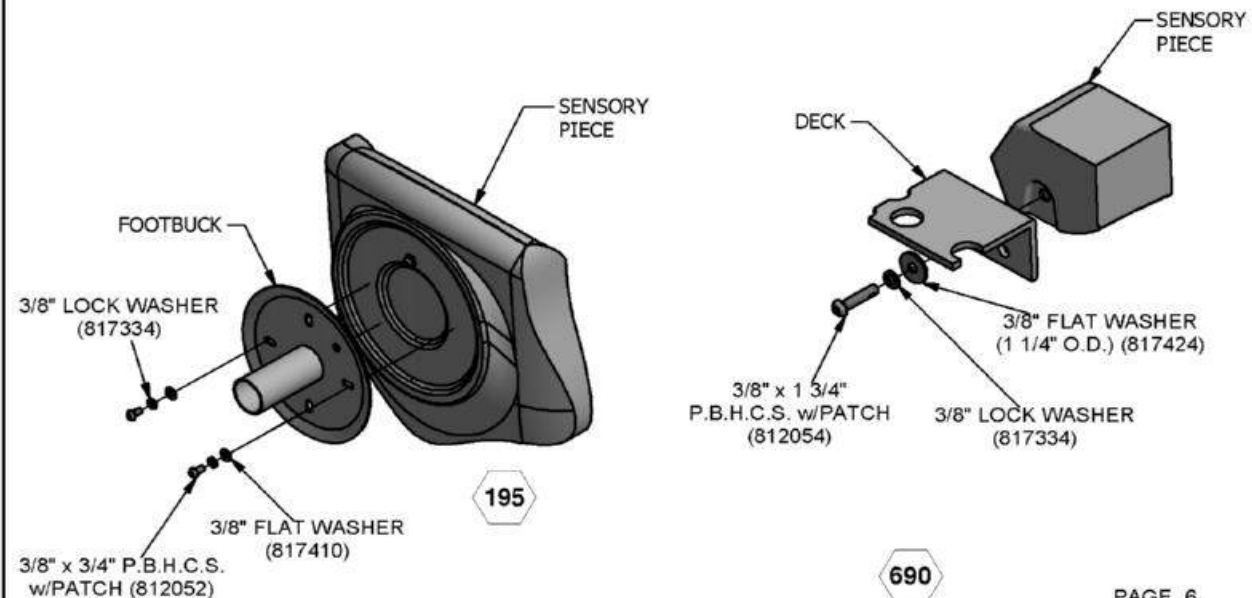


NOTES:

- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



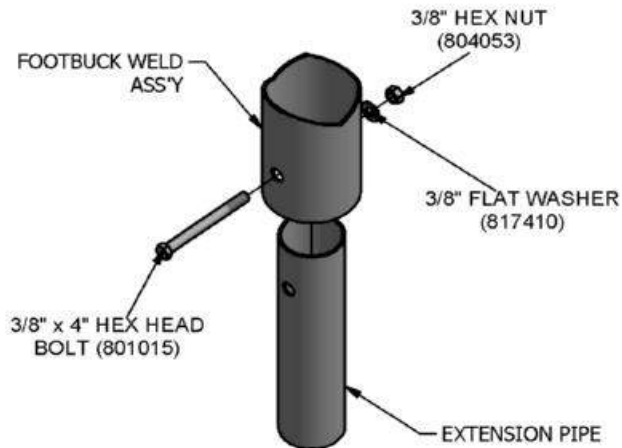
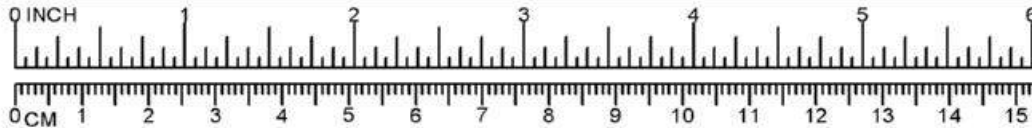
DETAILS -for- 91377 THRU 91380

IMPORTANT

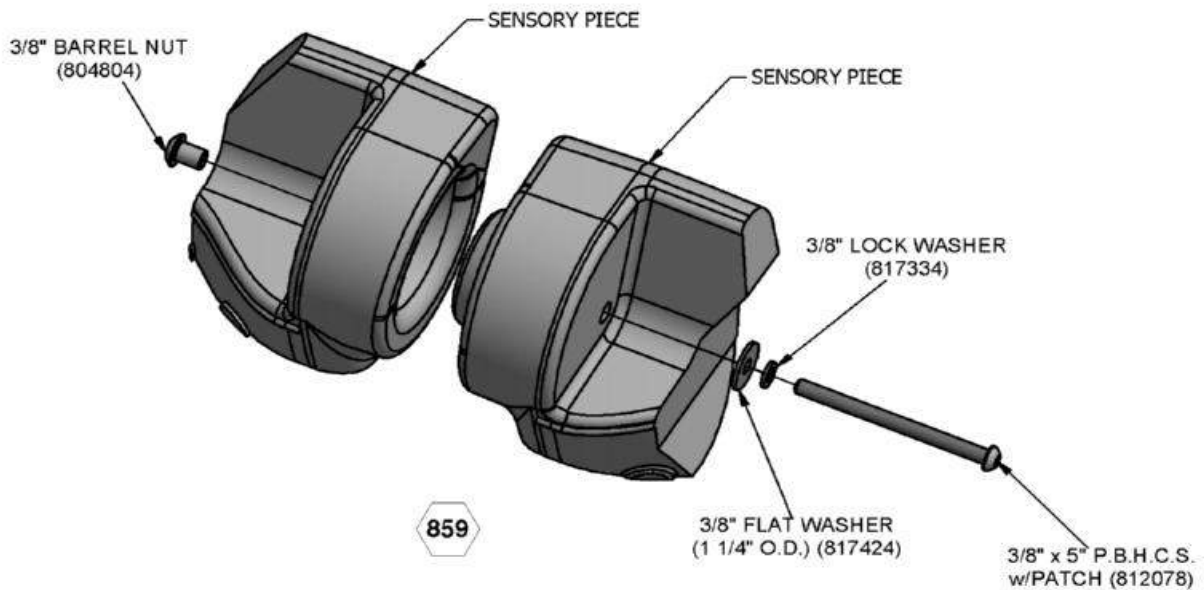
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



691



859

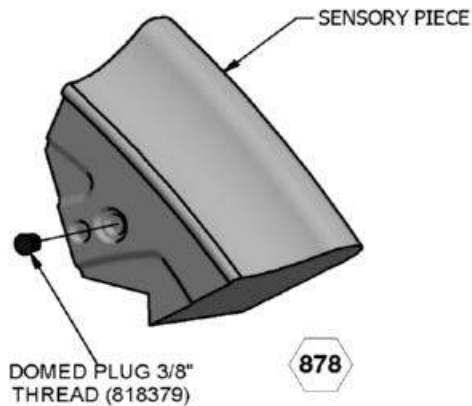
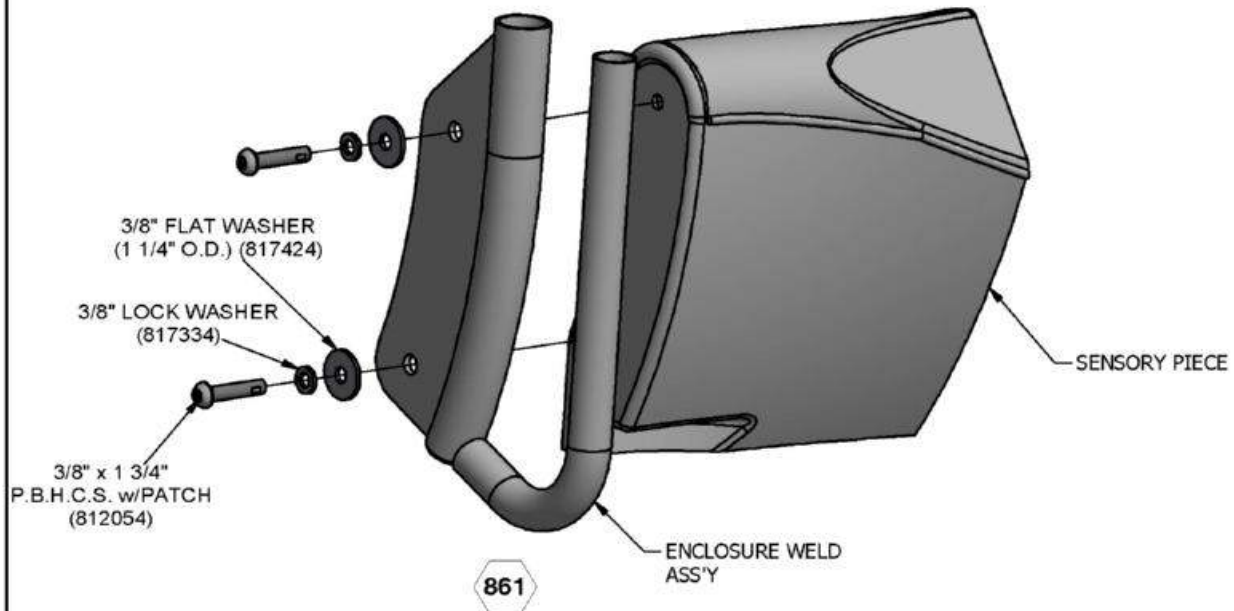
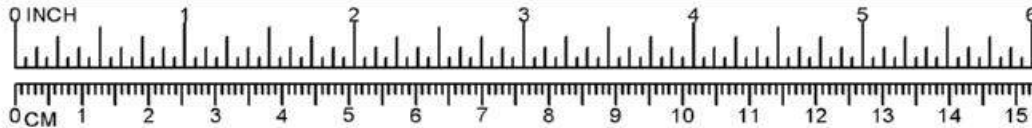
DETAILS -for- 91377 THRU 91380

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.

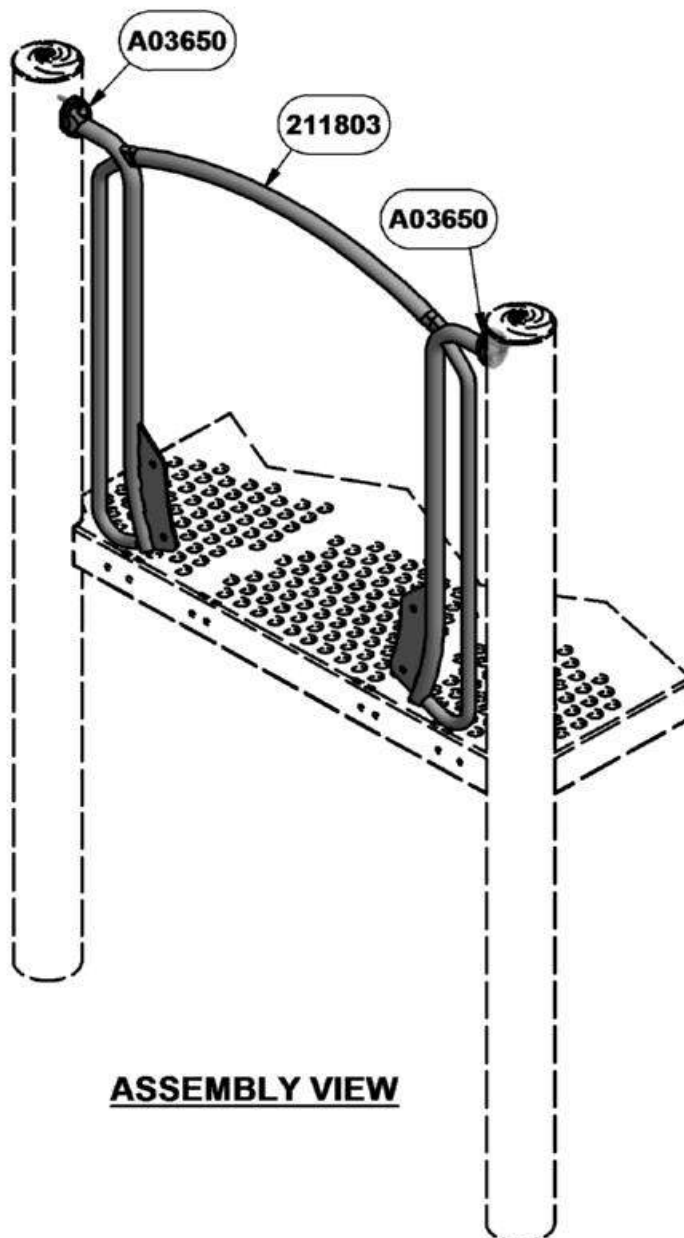


SENSORY WAVE ENTRYWAY

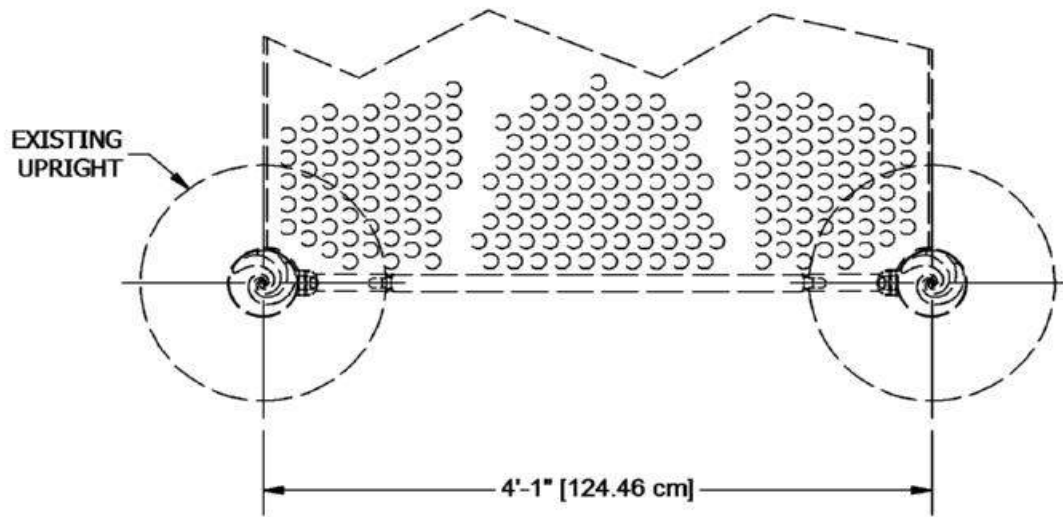


INSTALLATION INSTRUCTIONS

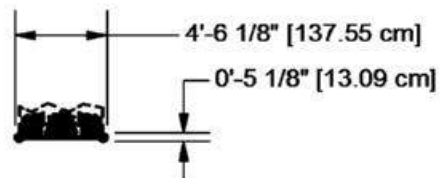
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**



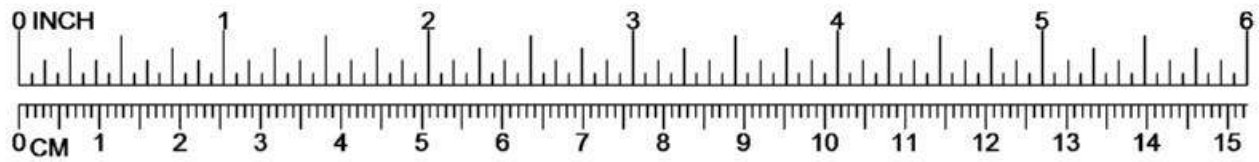
ASSEMBLY VIEW



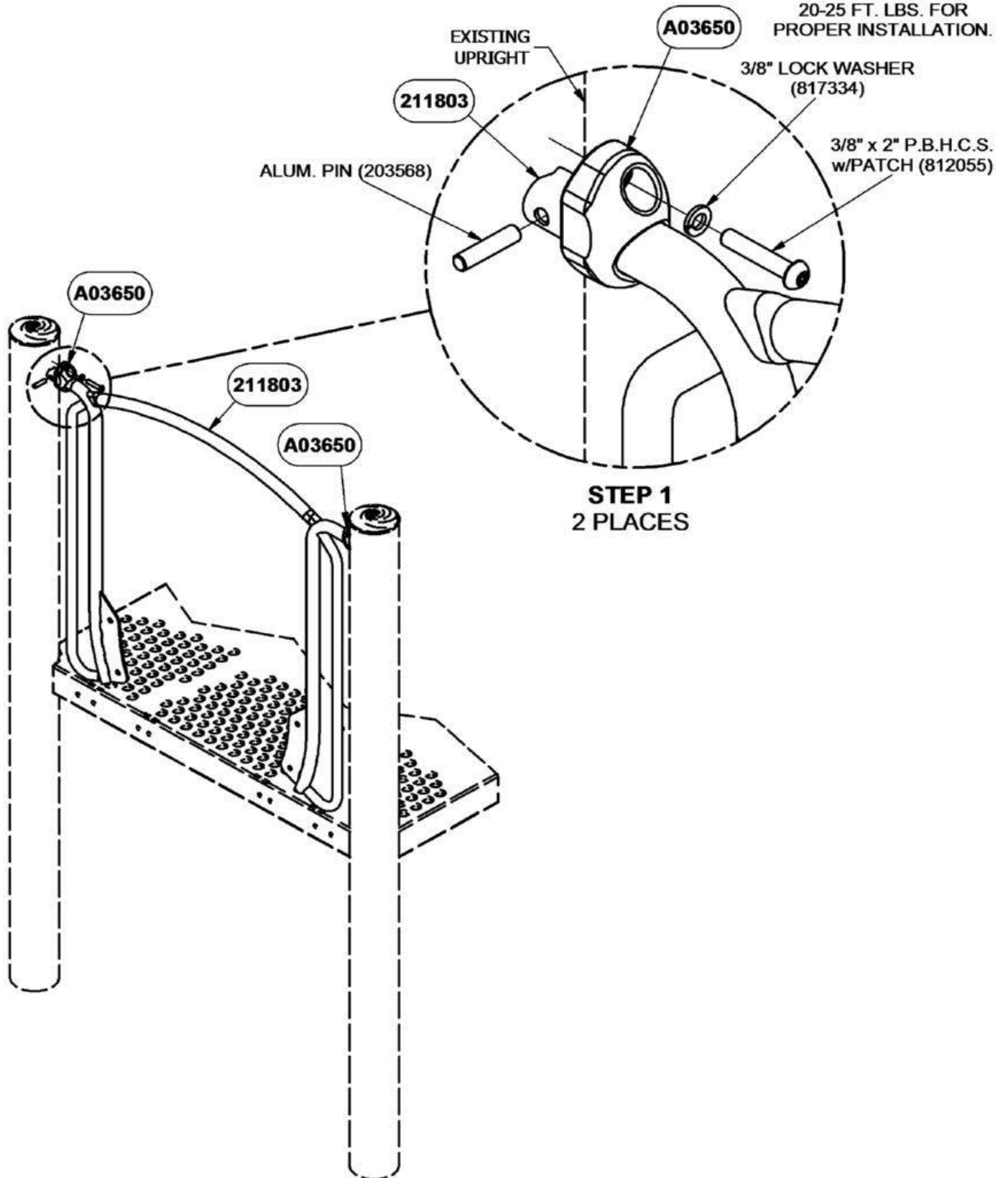
PLAN VIEW



TOP VIEW



NOTE: BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLATION.



STEP 1
2 PLACES

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
ENCLOSURE WELD ASSEMBLY	1	211803
TRU-LOC	2	A03650
HARDWARE COMPLETE	1	212412
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" LOCK WASHER	2	817334*
ALUM. PIN	2	203568*

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

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

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

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

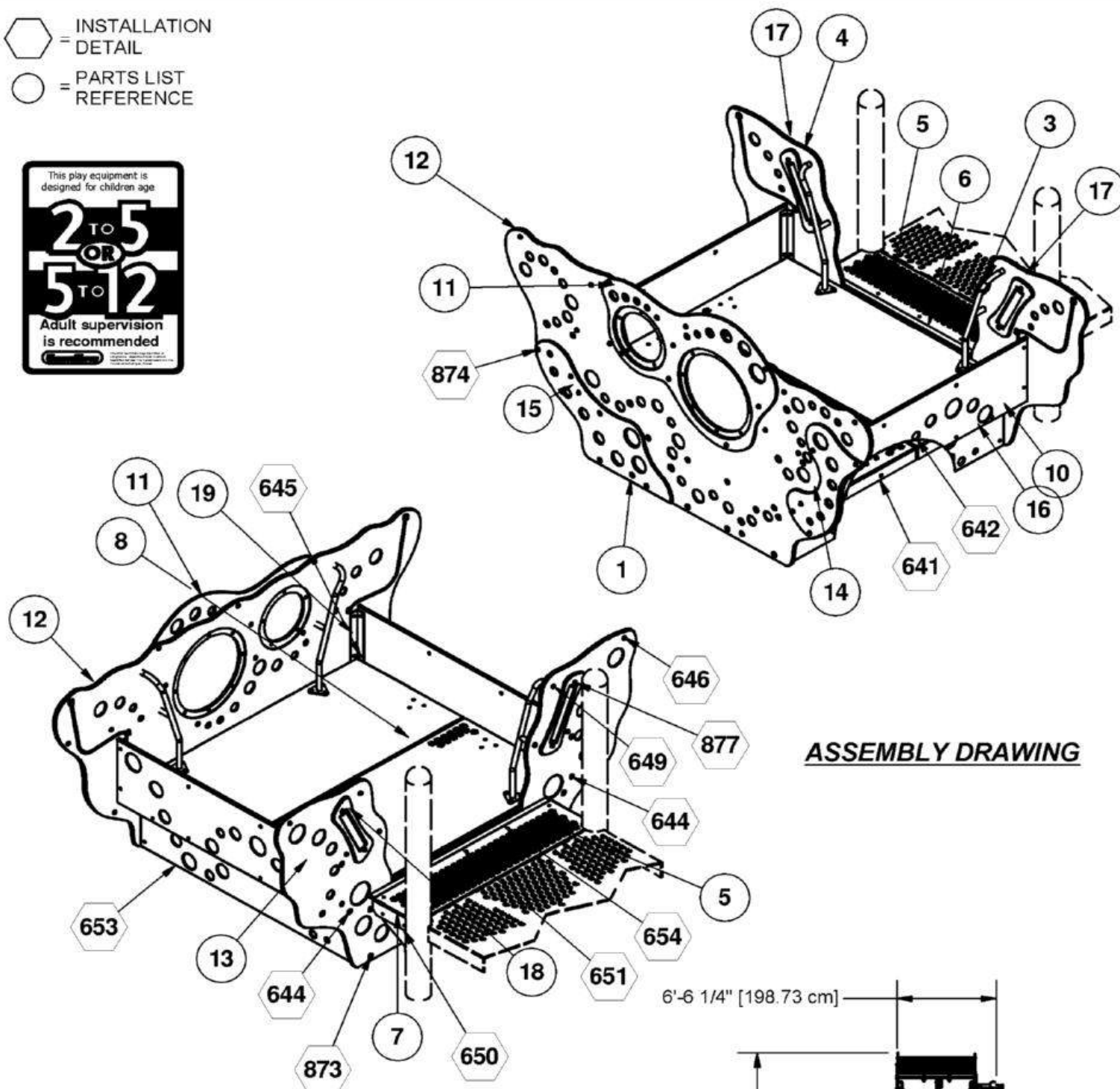
To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.

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 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.

SENSORY WAVE ROCK N RAFT

 = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE



ASSEMBLY DRAWING

6'-6 1/4" [198.73 cm]

8'-5 9/16" [257.90 cm]

TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	BASE ASSEMBLY	1	201724
2	SEAT ASS'Y	2	201755
3	HANDRAIL WELD ASS'Y RIGHT	2	212451
4	HANDRAIL WELD ASS'Y LEFT	2	212455
5	DECK EXTENSION	1	201739
6	FILLER PLATE	1	201735
7	DECK EXTENSION SUPPORT	2	201764
8	DECK	2	201806
9	SEAT HAND HOLD	4	201757
10	TOP HDPE PANEL	2	212449
11	TOP HDPE PANEL	1	212448
12	LARGE HDPE PANEL	1	212443
13	HDPE CHIME PANEL	1	212445
14	RIGHT HDPE PANEL	1	212447
15	LEFT HDPE PANEL	1	212446
16	BOTTOM HDPE SEAT PANEL	2	212444
17	CHIME COVER 1	4	211548
18	CHIME ASS'Y	2	211679
19	ANGLE BRACKET	4	201759
	HARDWARE COMPLETE	1	212499
	5/16" x 1 1/4" B.H.C.S.	5	811044*
	5/16" FLAT WASHER (5/8" O.D.)	10	817406*
	5/16" HEX NUT	5	804052*
	5/16" LOCK WASHER	5	817330*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	66	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	8	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	28	812051*
	3/8" x 1 1/2" P.B.H.C.S.	4	810053*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	55	812053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	7	812054*
	3/8" ACORN NUT	12	804002*
	3/8" BARREL NUT	16	804804*
	3/8" FLAT WASHER	98	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	30	817424*
	3/8" LOCK WASHER	168	817334*
	1/2" ANCHOR BOLT	7	800000*
	1/2" FLAT WASHER (2" O.D.)	7	817413*
	1/2" HEX NUT	7	804055*
	1/2" LOCKWASHER	7	817342*
	3/8" T-NUT	82	804556*
	CLIP-ON NUT	38	804705*

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.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS 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. Bracing material may be required during assembly.

STEP 1: Pour concrete slab as shown in Elevation Views. Height of slab is dependent upon required deck height. Refer to overall Top View of Unit to determine adjacent deck height.

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

STEP 2: Referring to J-bolt placement views: Use supplied metal template to locate the correct placement of J-bolts in concrete.

Note: Uprights for deck must be in place to use template to correctly space J-bolts away from the deck. A minimum of 1" thread must be protruding above template. After concrete has set enough to hold J-bolts remove template and discard. Allow concrete slab to cure 72 hours before continuing.

STEP 3: Place Base Assembly over J-bolts and attach using Detail 653.

STEP 4: Place Decks on top of Base Assembly. **NOTE:** Decks must be rotated so the three mounting holes for the handhold are to the outside. Attach Deck to the Base Assembly using Detail 642. Attach Deck ends to each other using Detail 642.

STEP 5: Attach Bottom End of Seat Supports to the Deck using Detail 648.

STEP 6: Using a hammer, place all Clip-On nuts onto holes in Base Assembly. Refer to Detail 873.

STEP 7: Attach Large HDPE Sheet, Left and Right HDPE Panel to the back side of the Base Assembly. See Details 874 & 876. Attach Large HDPE Sheet to the Deck. See Detail 644.

STEP 8: Attach Seats to the Large HDPE and prepositioned Seat Supports using Detail 646 and 647. **Note:** Seats will fit into grooves cut into Large HDPE Sheet

STEP 9: Attach HDPE Chime Panel to the front of the Base Assembly and Seats. Detail 644.

Note: Attach HDPE Chime Panel using Detail 877.

STEP 10: Attach Handholds to the HDPE Chime Panel and Large HDPE Sheet to the Deck using Details 649 and 648.

STEP 11: Attach Spin Chimes and Spin Chime HDPE Housing to the HDPE Chime Panel using Detail 877.

STEP 12: Attach Top and Bottom HDPE Seat Panel to the Large HDPE Sheet and HDPE Chime Panel using Detail 645. Attach them to the Deck Ends using Detail 654.

STEP 13: Attach Bottom HDPE Seat Panels to the Base Assembly using Detail 873.

STEP 14: Attach Deck Extension and Deck Extension Supports to the deck. See Detail 650.

STEP 15: Attach Filler Panel into the slot in Deck Extension as shown in Detail 651. Allow 1/4" gap between Filler and Entry Panel as shown in Plain View on Page 6.

NOTE: Loctite (supplied by others) should be used on all threaded hardware. **NOTE:** For best result, allow 7 days for concrete to cure before use.

SPECIFICATIONS

HDPE Panels & Chime Cover: shall be made from 3/4" thick and 1/2" thick (solid) high density, UV-stabilized, laminated and color impregnated polyethylene.

Handrail Weld Ass'y Right & Left: shall be an all welded assembly constructed out of 1.029" x .072 Wall GALV. Pipe. The assemblies shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

Seat Hand Hold: shall be an all welded assembly constructed out of 1.029" x .072 Wall GALV. Pipe. The assemblies shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

Base Assembly: The Base Assembly shall be an all weld assembly constructed out of 11 Gauge H.R. Steel. The Base Assembly also contains machined parts: Collars, Spacers, Shock Absorbers, Bronze Thrust Washers, Swing Arms, Mounting Plates, and a Frame Assembly constructed out of 11 Gauge H.R. Steel.

Chime Assembly: shall be fabricated from 11 Ga/ steel tab, purchased stainless steel shaft, purchased encapsulated stainless steel bearings, and 1-5/8" O.D. x .083" (14 gauge) wall galvanized steel tubing which shall be coated in TGIC polyester powder coating as specified herein.

HARDWARE:

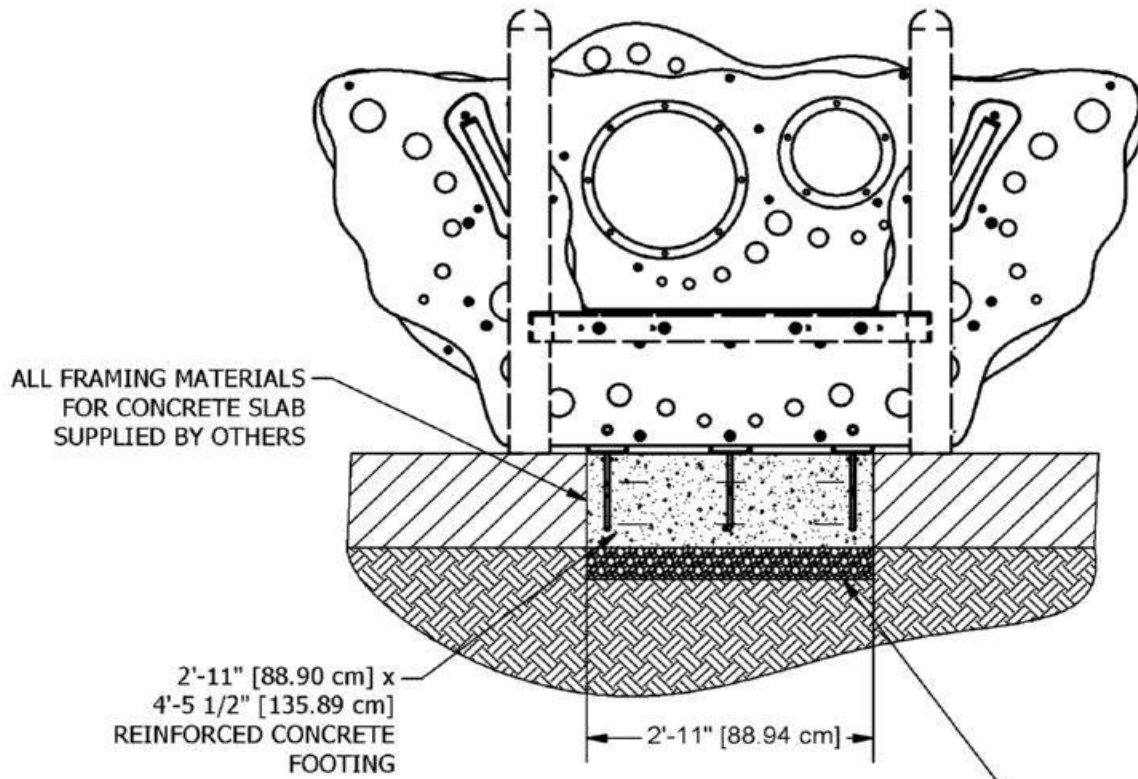
All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. PowerScape Plus 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.

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. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

PUNCHED STEEL DECKS AND PVC COATED COMPONENTS:

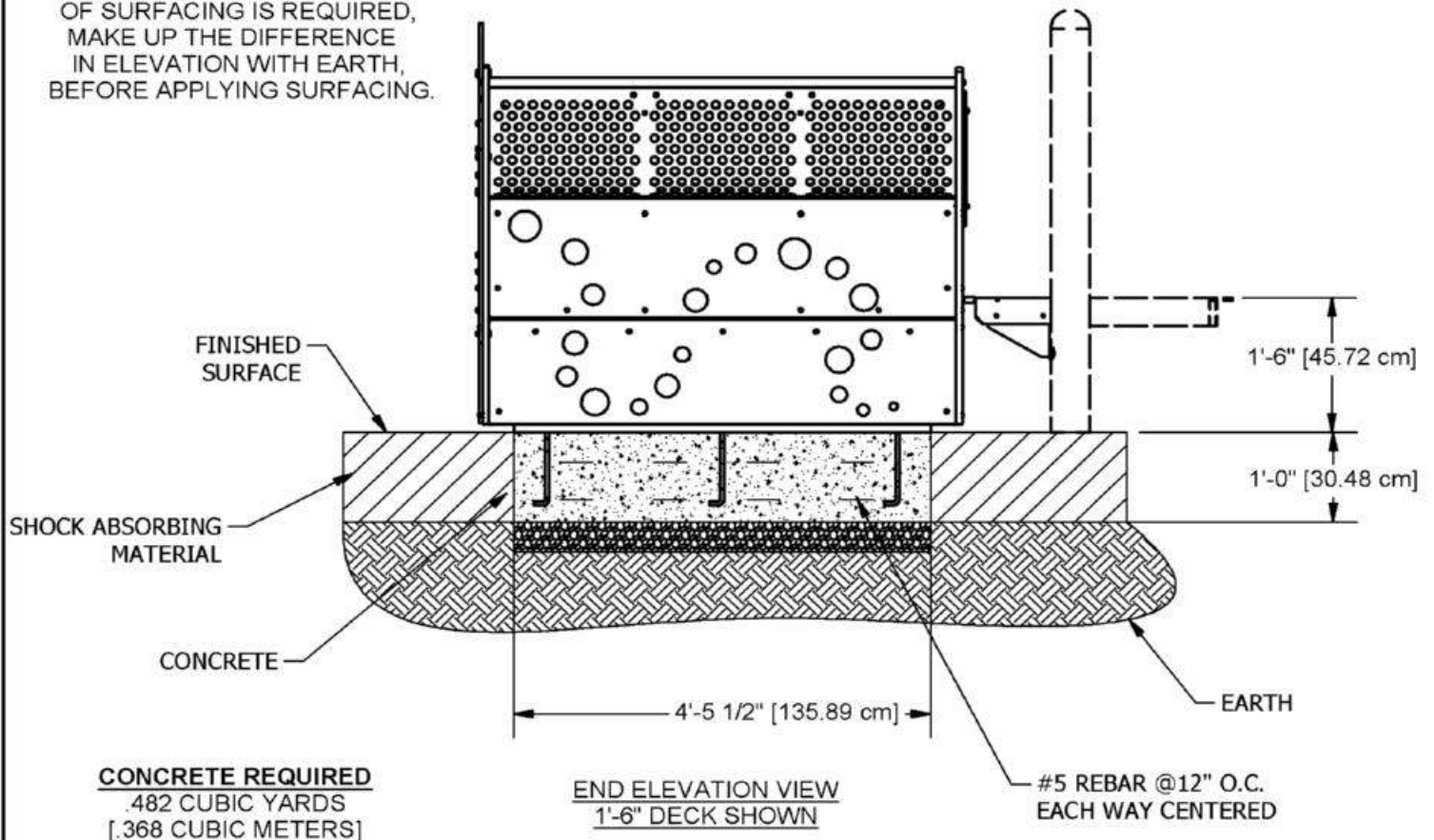
All punched steel products shall be fabricated from 11 gauge punched steel with a protective p&o finish. Coated products shall consist of a welded assembly with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080". All decks shall be exclusively dipped utilizing the DuraWear process with an extra thick coating on the top of the deck. The PVC coating shall have a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. The PVC coating shall contain phthalate levels in concentrations of 1/10 of 1% or lower. For ADA Ramp Accessible decks and ramps, the hole shall measure 1/4" diameter after coating. For standard decks and ramps, the hole size shall measure 1 1/4" diameter after coating.



CONCRETE: MINIMUM 3,000 PSI. ALLOW 72 HOURS TO CURE BEFORE MOUNTING BASE ASSEMBLY. FOR BEST RESULTS ALLOW CONCRETE 7 DAYS TO CURE BEFORE USE.

FRONT ELEVATION VIEW
1'-6" DECK SHOWN

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DECIDE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



ALL FRAMING MATERIALS
FOR CONCRETE SLAB
SUPPLIED BY OTHERS

CONCRETE: MINIMUM 3,000
PSI. ALLOW 72 HOURS TO
CURE BEFORE MOUNTING
BASE ASSEMBLY. FOR BEST
RESULTS ALLOW
CONCRETE 7 DAYS TO CURE
BEFORE USE.

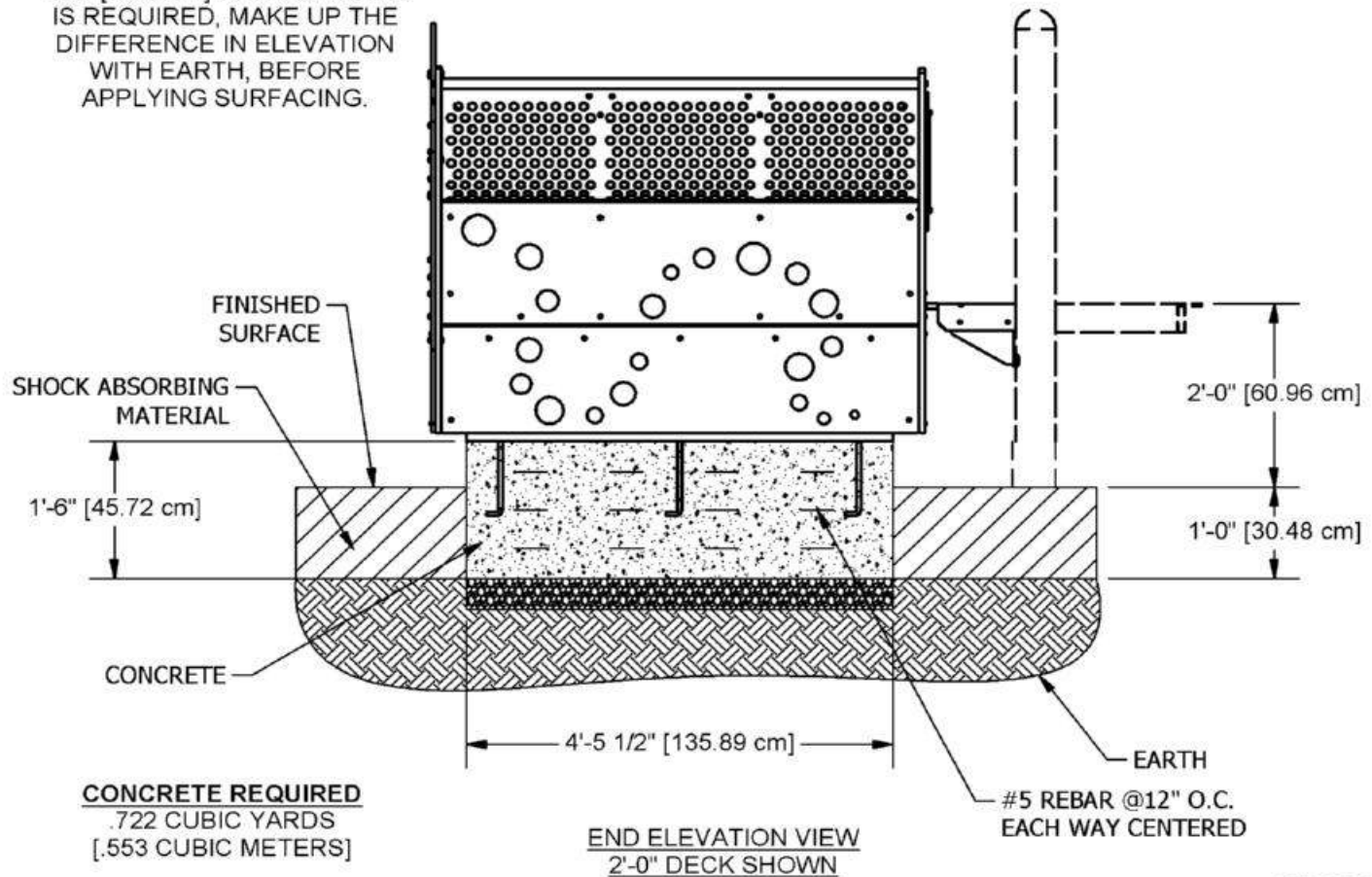
2'-11" [88.90 cm] x
4'-5 1/2" [135.89 cm]
REINFORCED CONCRETE
FOOTING

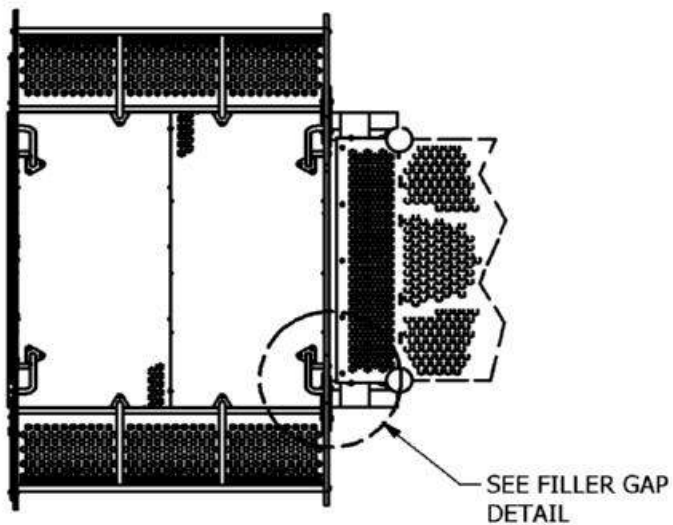
2'-11" [88.94 cm]

4" COMPACTED GRAVEL

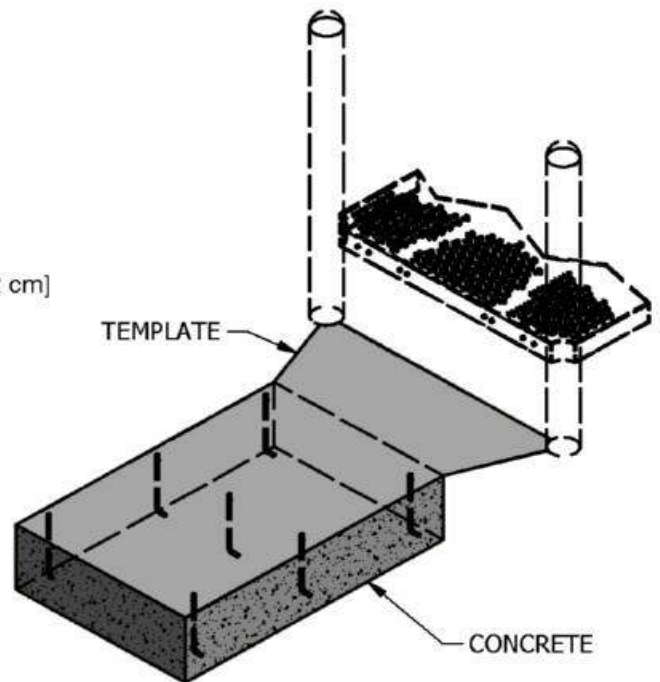
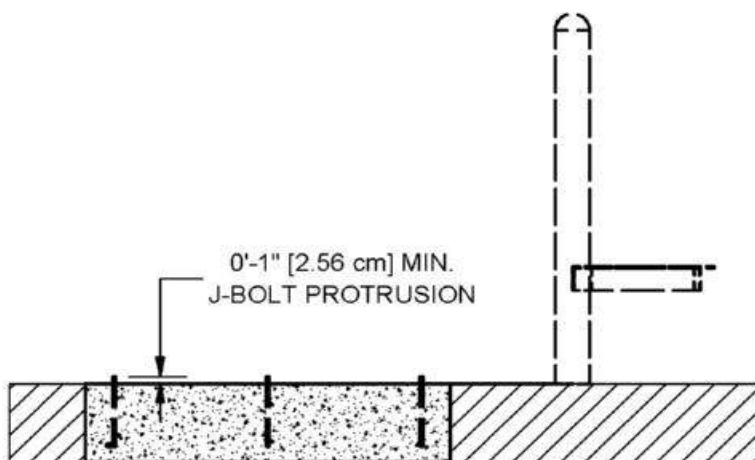
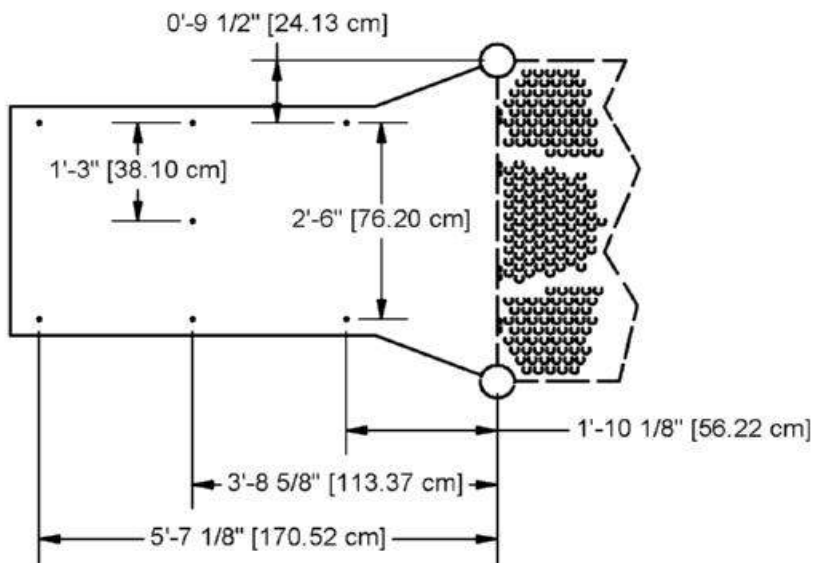
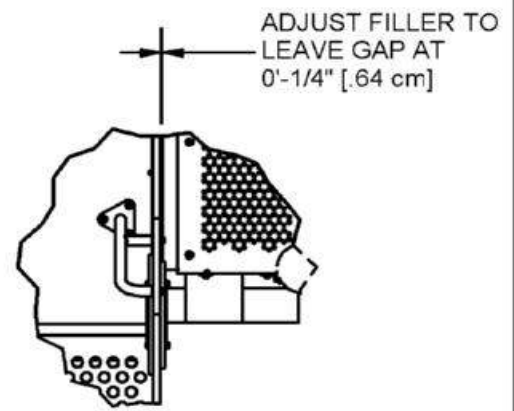
FRONT ELEVATION VIEW
2'-0" DECK SHOWN

SHOCK ABSORBING PROPERTIES
OF SURFACING MATERIALS VARY.
IF YOU DECIDE THAT LESS THAN
1'-0" [30.48cm] OF SURFACING
IS REQUIRED, MAKE UP THE
DIFFERENCE IN ELEVATION
WITH EARTH, BEFORE
APPLYING SURFACING.





PLAN VIEW



USE PROVIDED TEMPLATE TO LOCATE J-BOLT PLACEMENT IN CONCRETE. EXTRA 1/2" HEX NUTS ARE PROVIDED FOR HOLDING J-BOLTS IN TEMPLTE. REMOVE TEMPLATE BEFORE INSTALLING BASE ASSEMBLY.

J BOLT PLACEMENT VIEWS

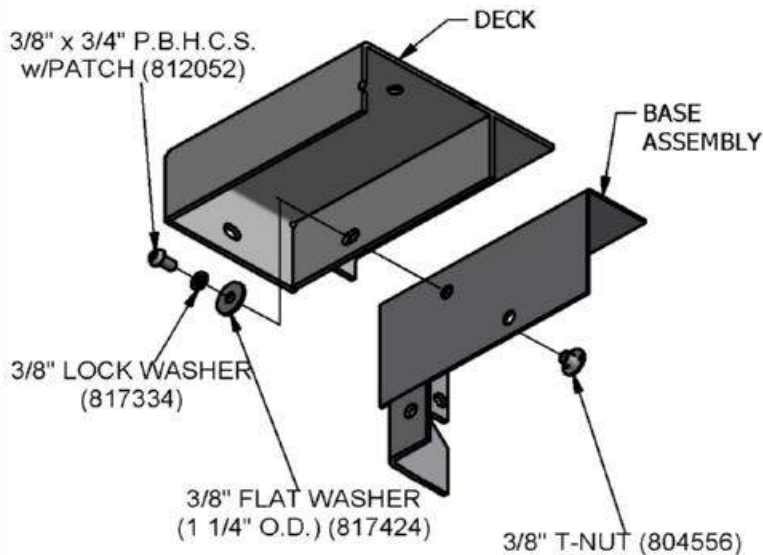
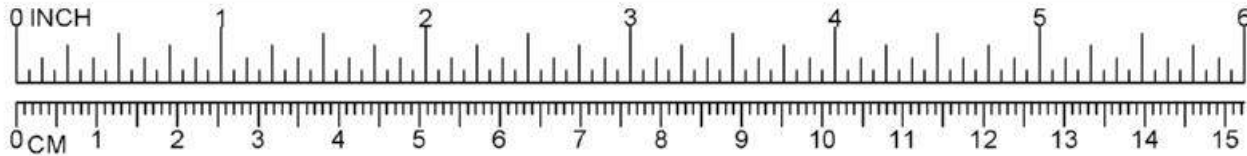
DETAILS -for- 91459

IMPORTANT

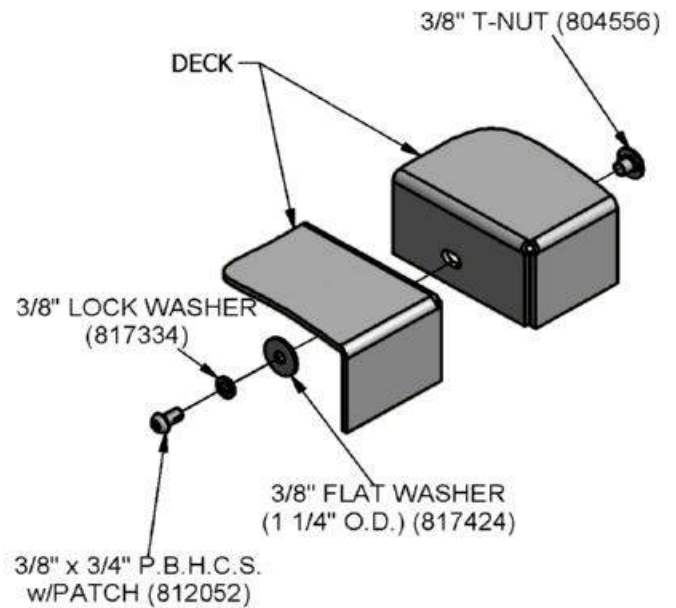
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

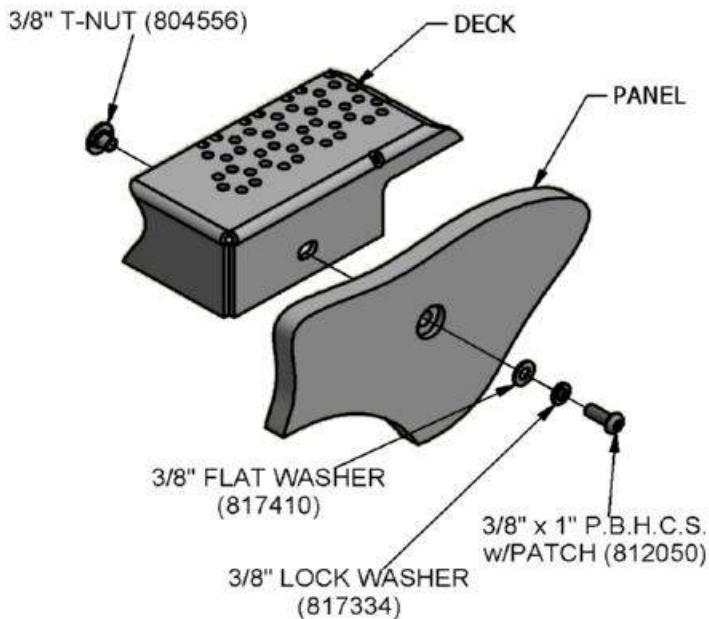
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



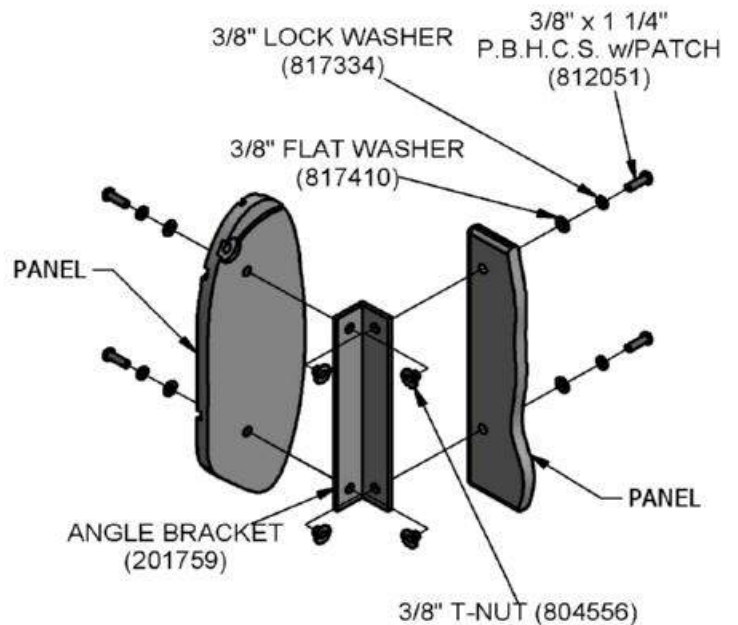
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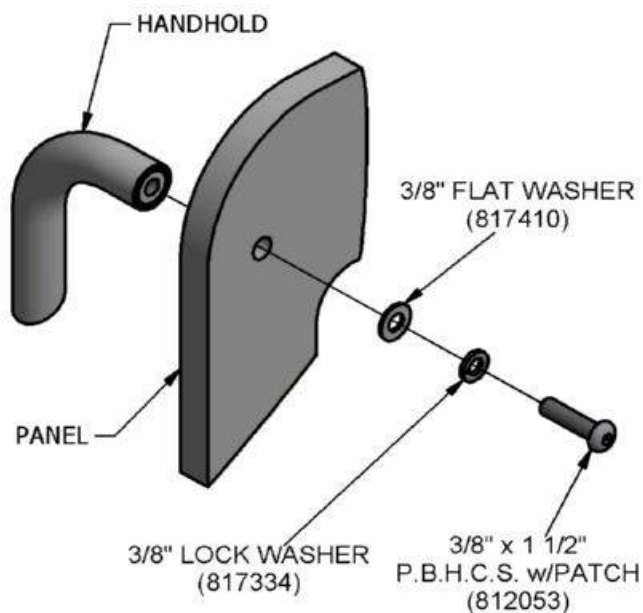
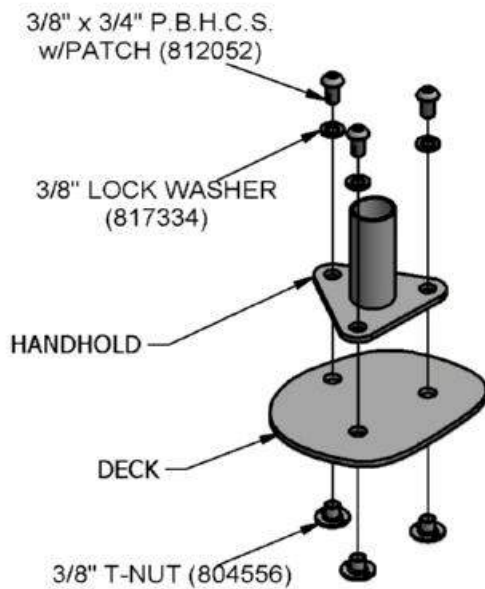
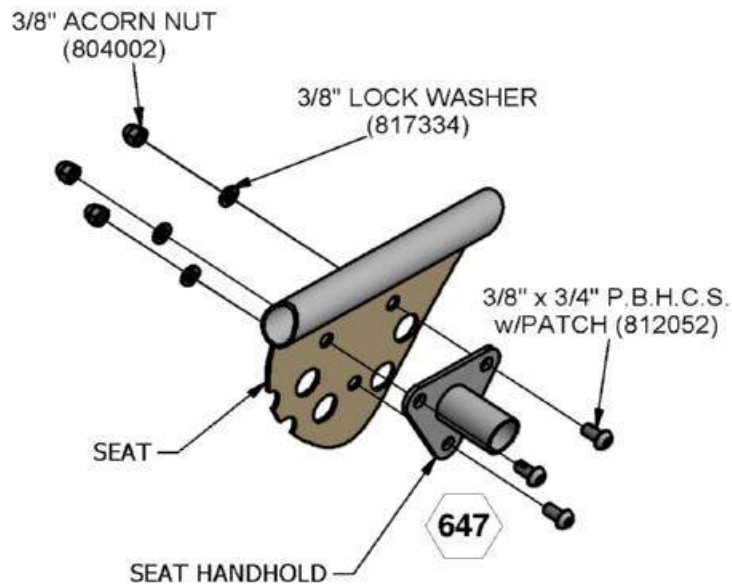
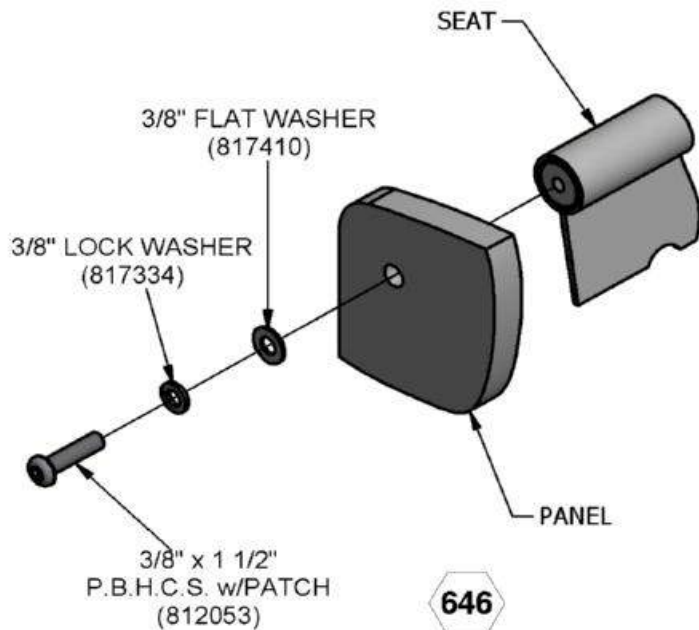
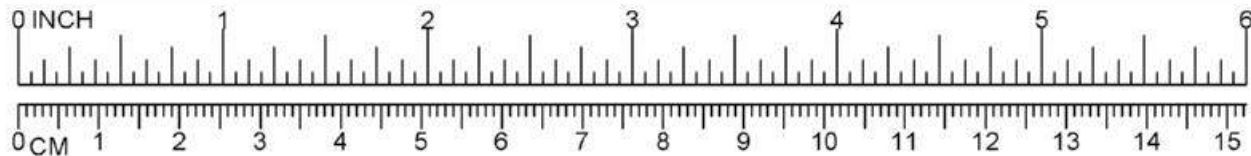
DETAILS -for- 91459

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.



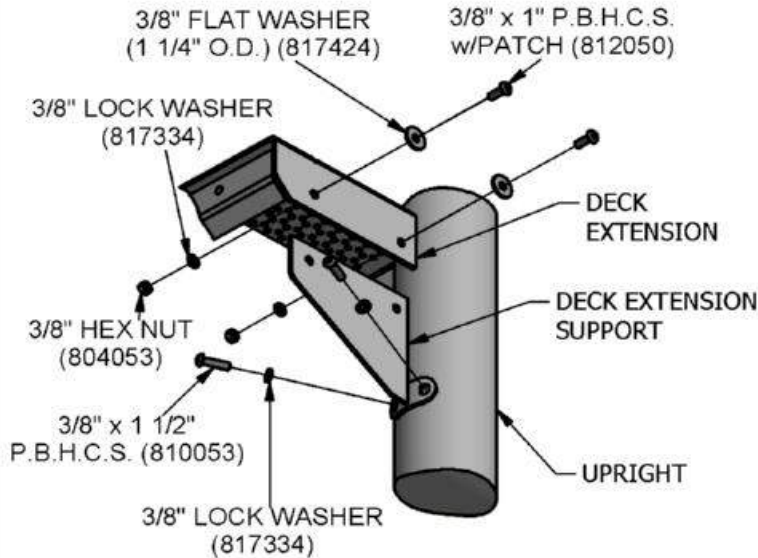
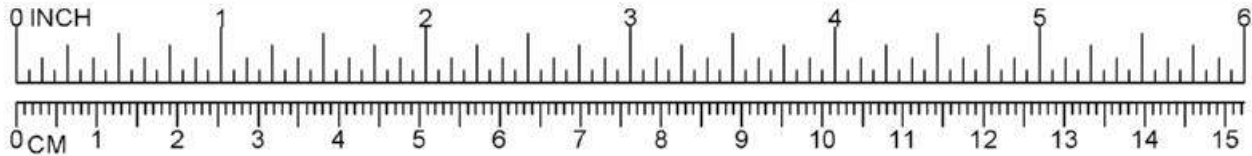
DETAILS -for- 91459

IMPORTANT

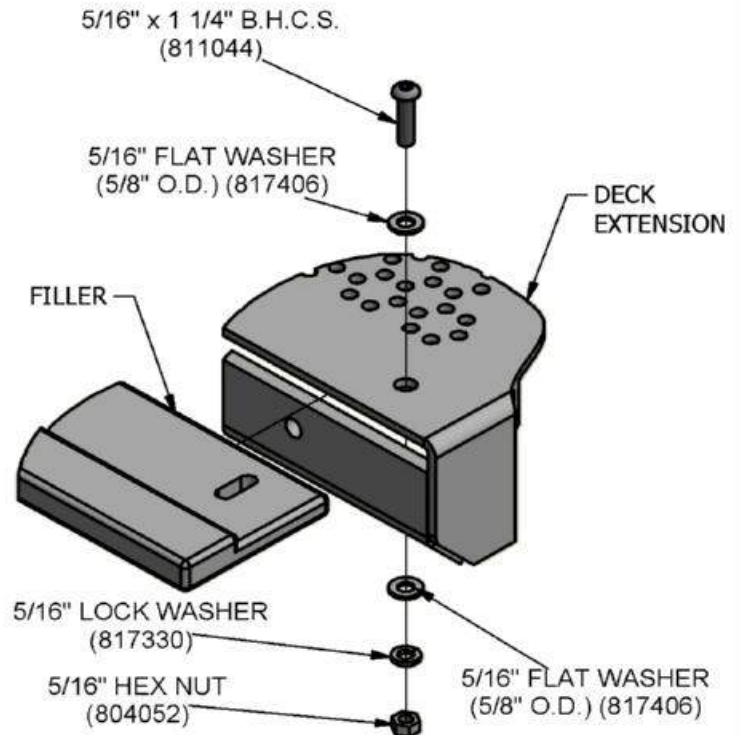
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

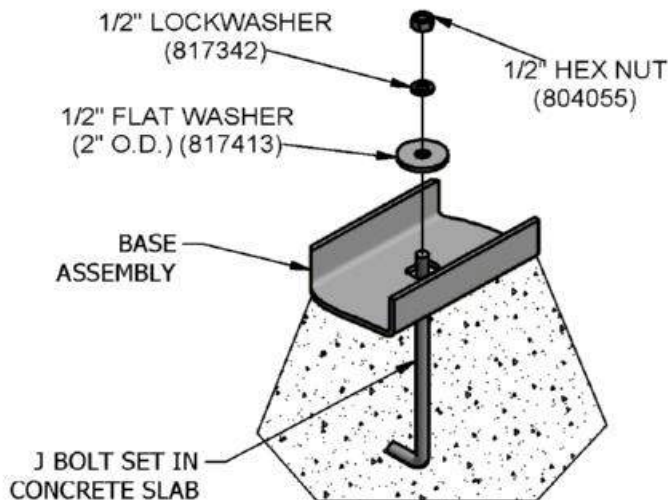
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



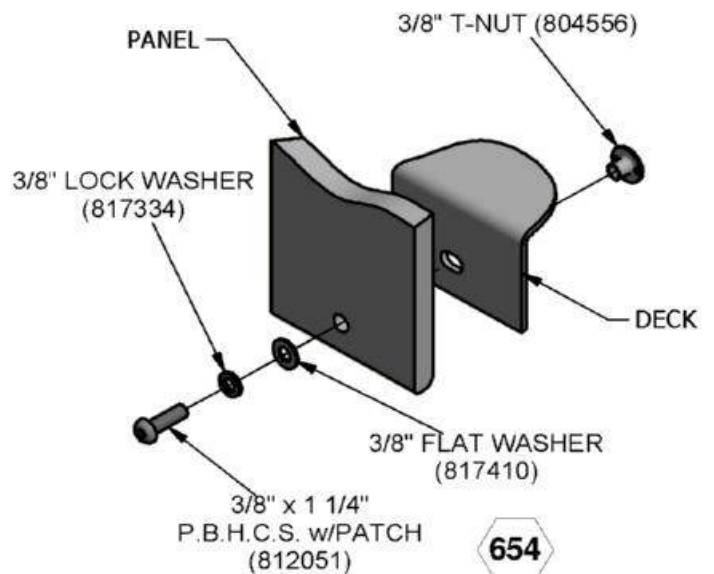
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651



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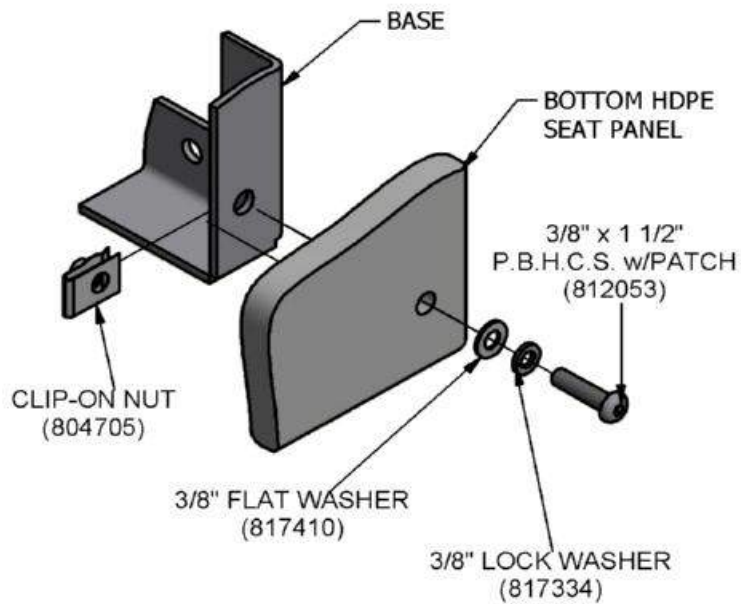
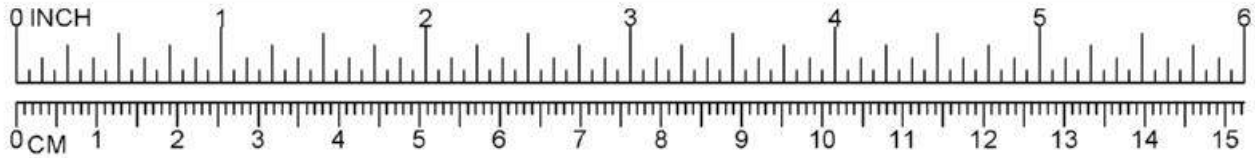
DETAILS -for- 91459

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873

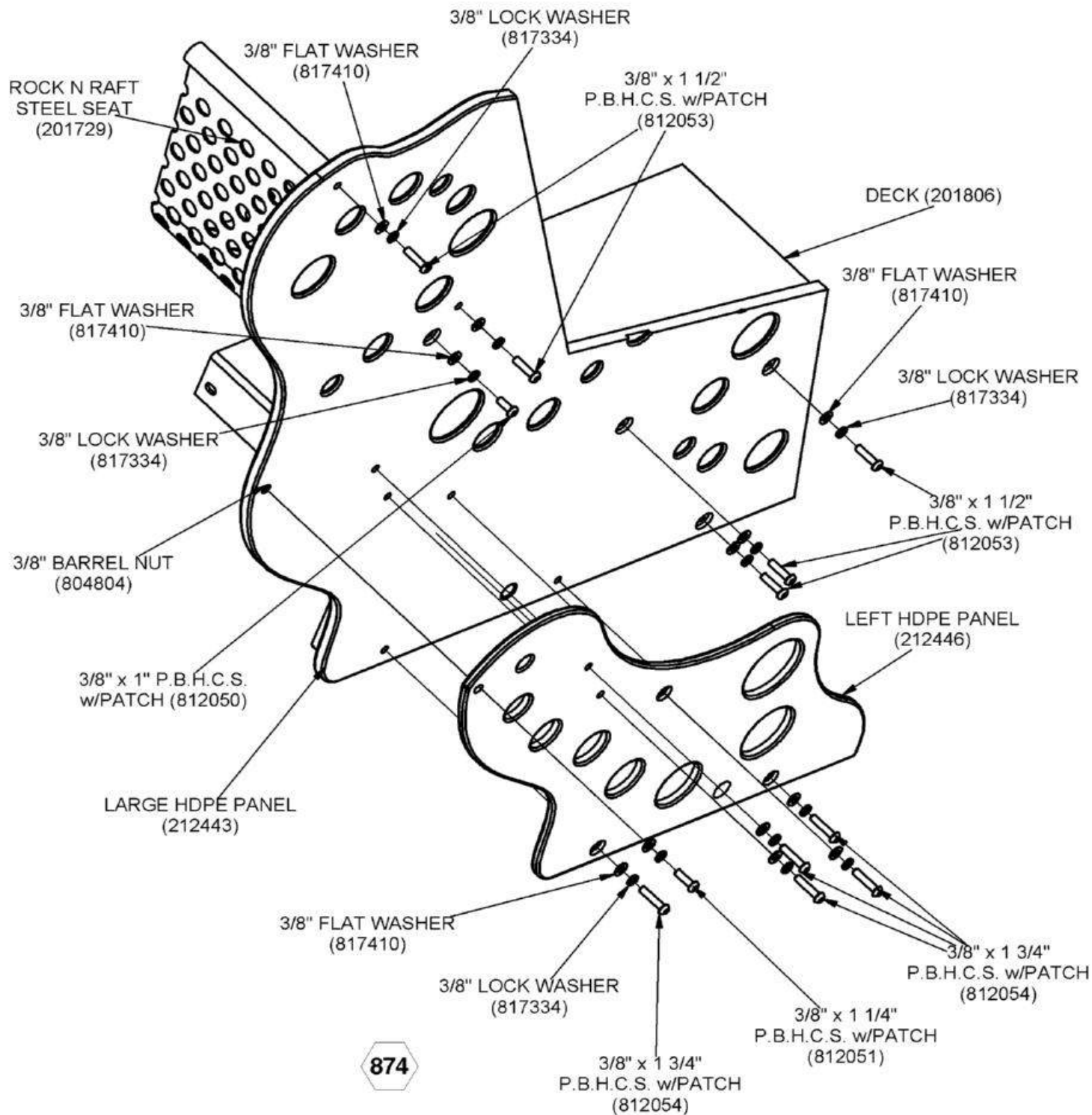
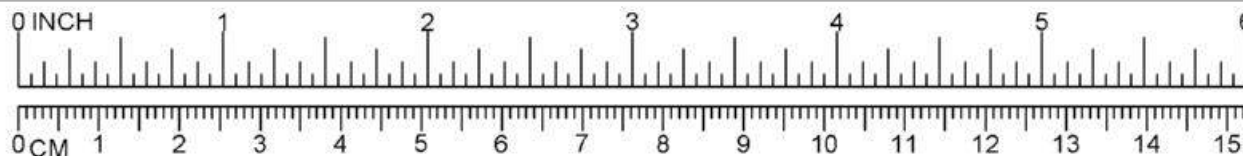
DETAILS -for- 91459

IMPORTANT

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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.



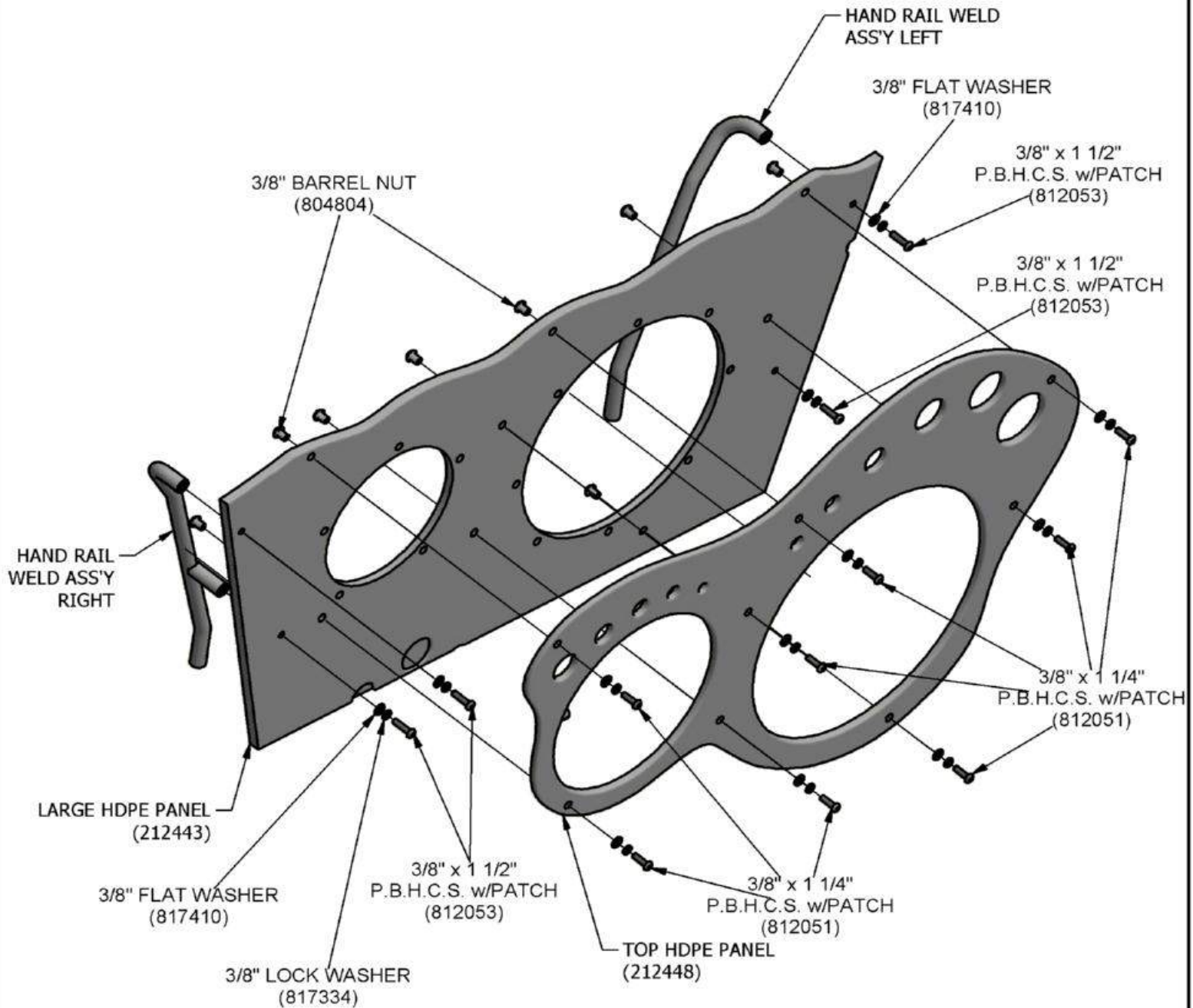
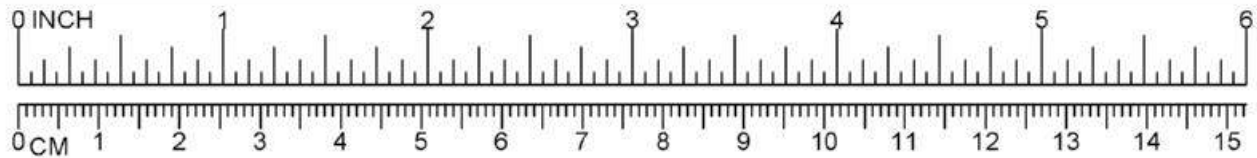
DETAILS -for- 91459

IMPORTANT

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

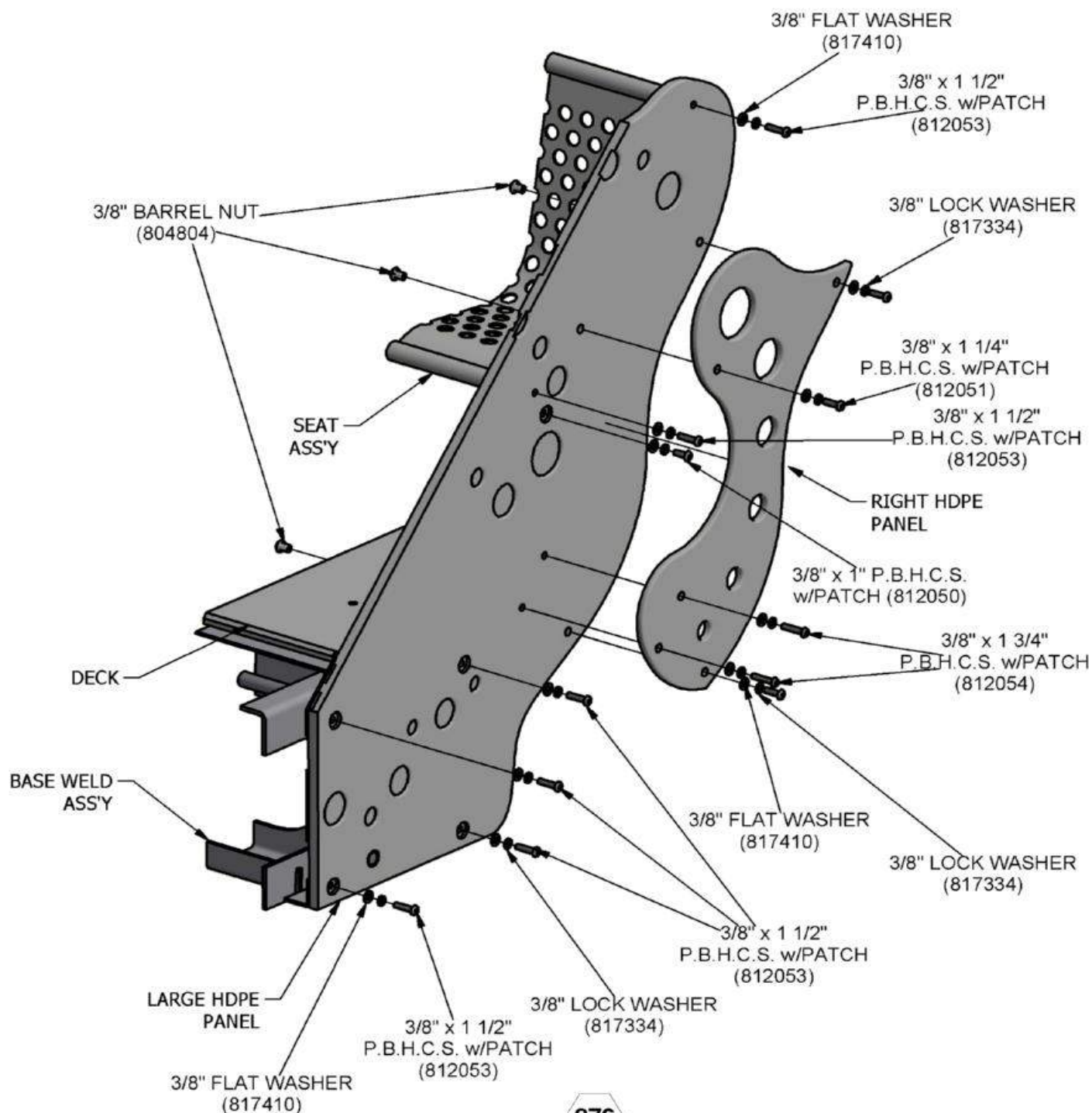
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



IMPORTANT

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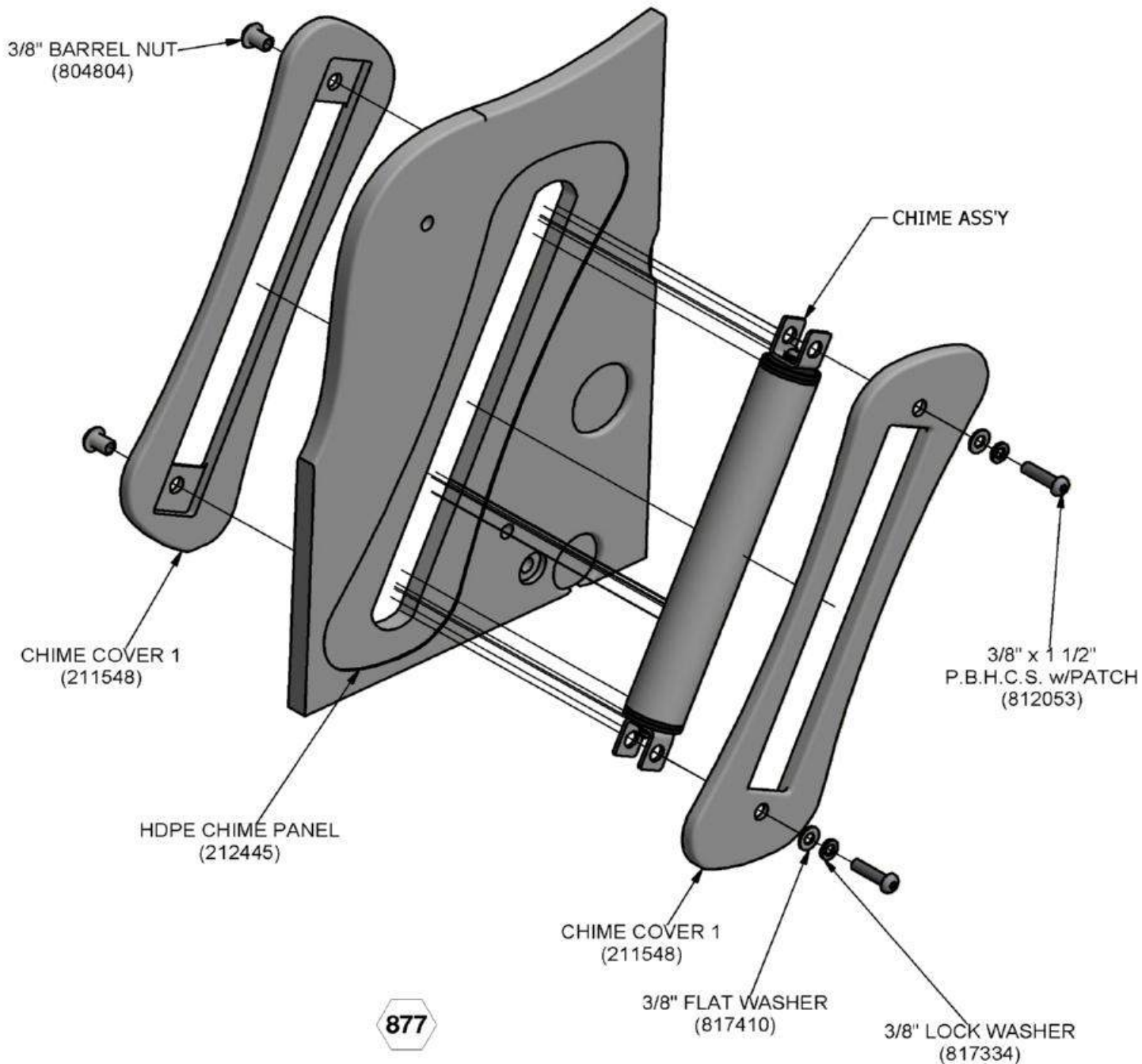
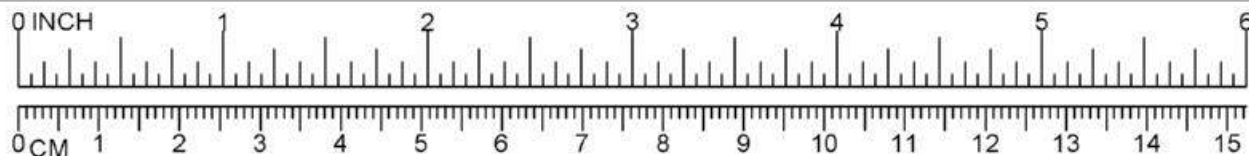
DETAILS -for- 91459

IMPORTANT

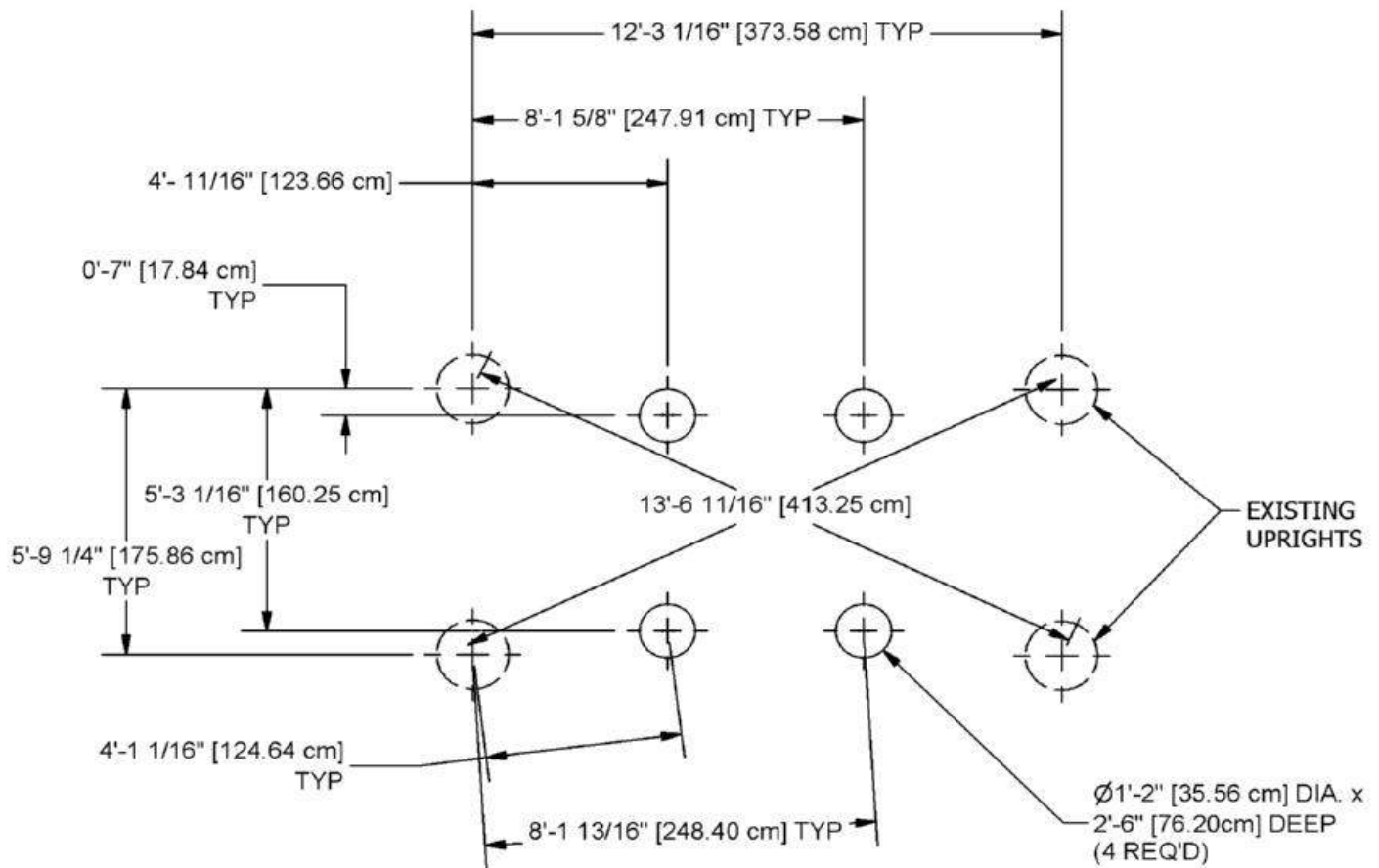
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



NOTE: TOP RAMP (1) MUST
BE AT TOP OF RAMP



GROUND PLAN
91467 THRU 91470

CONCRETE REQUIRED
.24 CUBIC YARDS
[.18 CUBIC METERS]

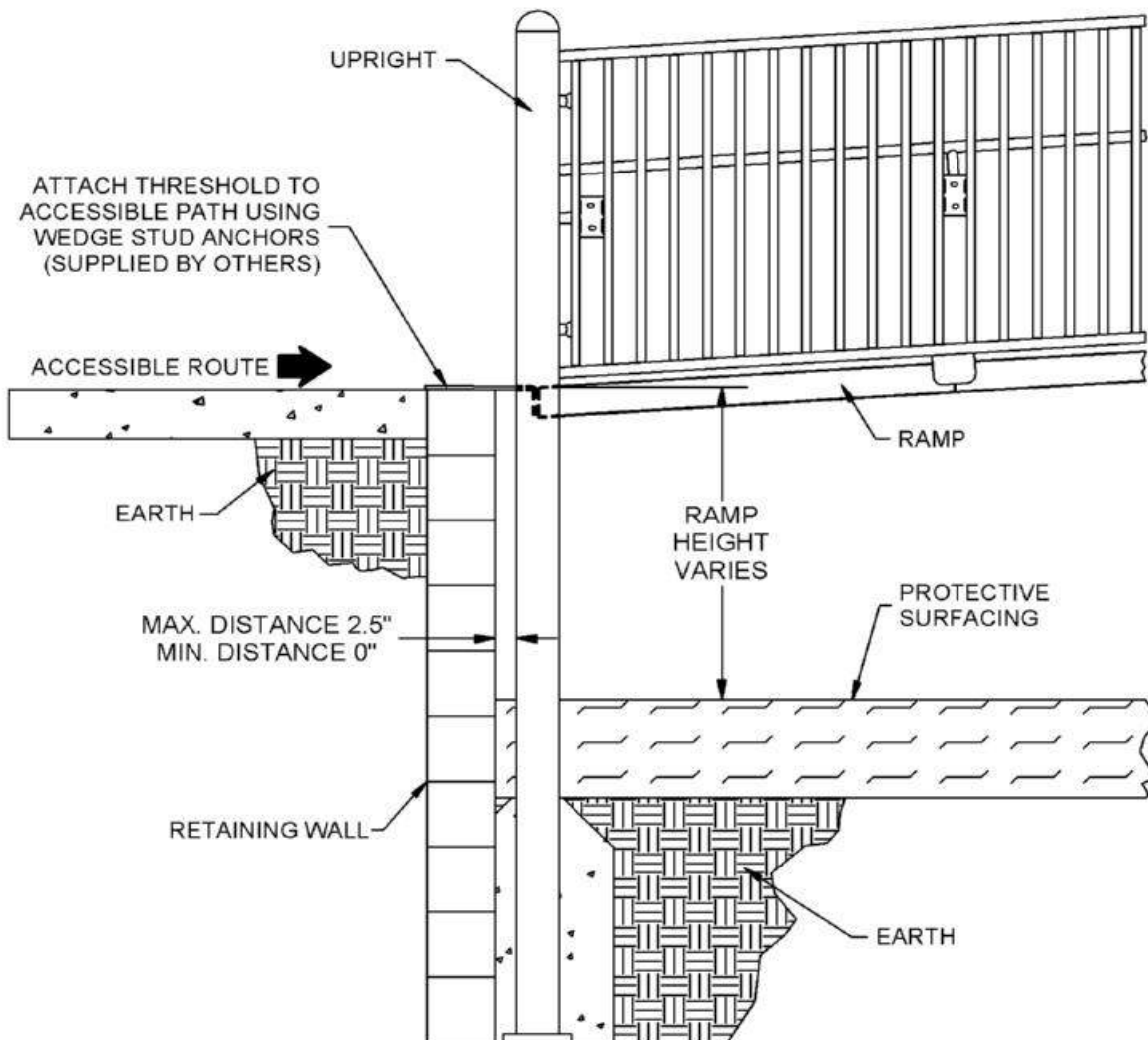
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

Parts List						
REF.	DESCRIPTION	91467	91468	91469	91470	PART NUMBER
1	WIDE RAMP SENSORY WAVE WELD ASS'Y	1	1	1	1	212724
2	WIDE RAMP SENSORY WAVE WELD ASS'Y	1	1	1	1	212747
3	TOP RAMP	1	1	1	1	176323
4	RAMP SECTION	2	2	2	2	176320
5	HAND HOLD	2	2	2	2	176728
6	RAMP SUPPORT	1	1	1	1	176397
7	THRESHOLD	1	1	1	1	179705
8	GROUND SUPPORT 1'	2	0	0	0	205434
8	GROUND SUPPORT 2'	0	2	0	0	205420
8	GROUND SUPPORT 3'	0	0	2	0	205424
8	GROUND SUPPORT 4'	0	0	0	2	205428
9	LOW SIDE GROUND SUPPORT 1'	2	0	0	0	205436
9	LOW SIDE GROUND SUPPORT 2'	0	2	0	0	205422
9	LOW SIDE GROUND SUPPORT 3'	0	0	2	0	205426
9	LOW SIDE GROUND SUPPORT 4'	0	0	0	2	205430
10	HDPE PANEL 1	1	1	1	1	212741
11	HDPE PANEL 2	1	1	1	1	212742
12	SPIN CHIME BELL ASS'Y	2	2	2	2	213177
13	SPIN CHIME COVER	4	4	4	4	212756
14	METAL FILLER	1	1	1	1	211575
15	TRANSPARENT LIGHT BLUE ACRYLIC FILLER	1	1	1	1	211547
	HARDWARE COMPLETE	1	0	0	0	212791
	HARDWARE COMPLETE	0	1	1	1	212792
	3/8" x 3/4" P.B.H.C.S. w/PATCH	46	46	46	46	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	24	24	24	24	812050*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	811051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	4	4	4	812053
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	0	4	4	4	801013*
	3/8" ACORN NUT	16	16	16	16	804002*
	3/8" BARREL NUT	34	34	34	34	804804*
	3/8" FLAT WASHER	74	74	74	74	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	24	24	24	24	817424*
	3/8" HEX NUT	0	4	4	4	804053*
	3/8" LOCK WASHER	86	90	90	90	817334*
	3/8" T-NUT	24	24	24	24	804556*
	6" EXTENSION	0	4	4	4	151080*
	1/2" LOCKWASHER	10	10	10	10	817342*
	1/2" FLAT WASHER	10	10	10	10	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-patch hardware.



ELEVATION VIEW

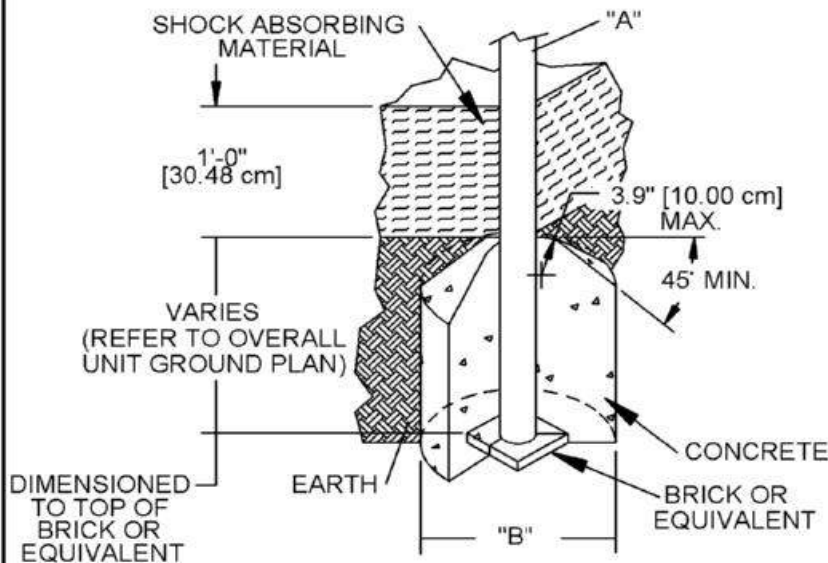
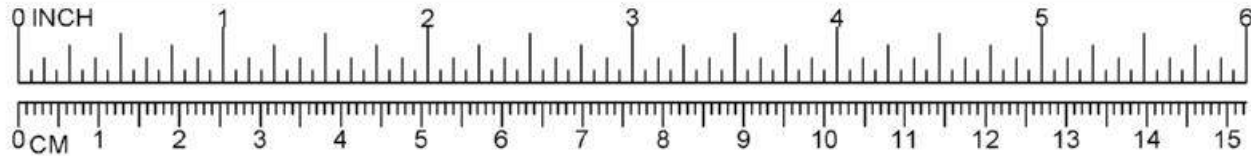
DETAILS -for- 91342, 94343, 91344, & 91345

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.



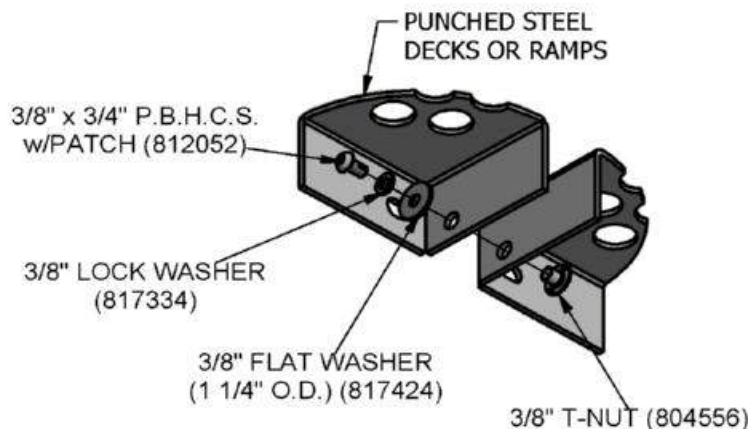
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

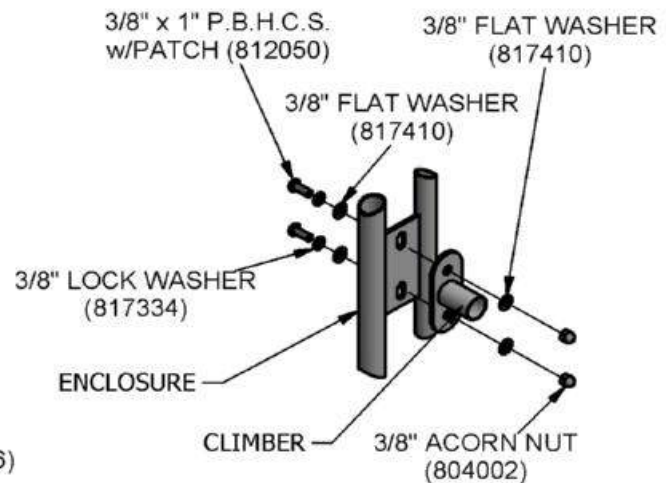
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



031



054

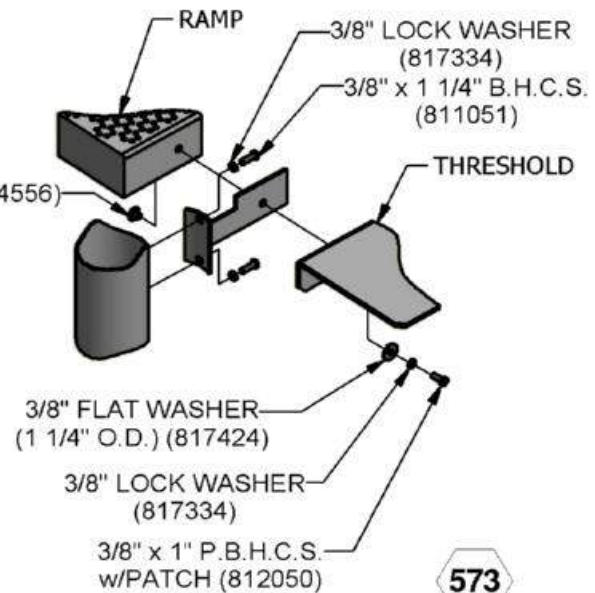
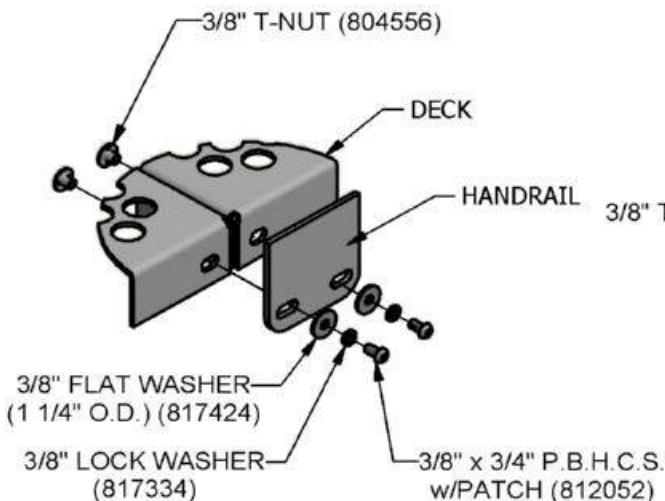
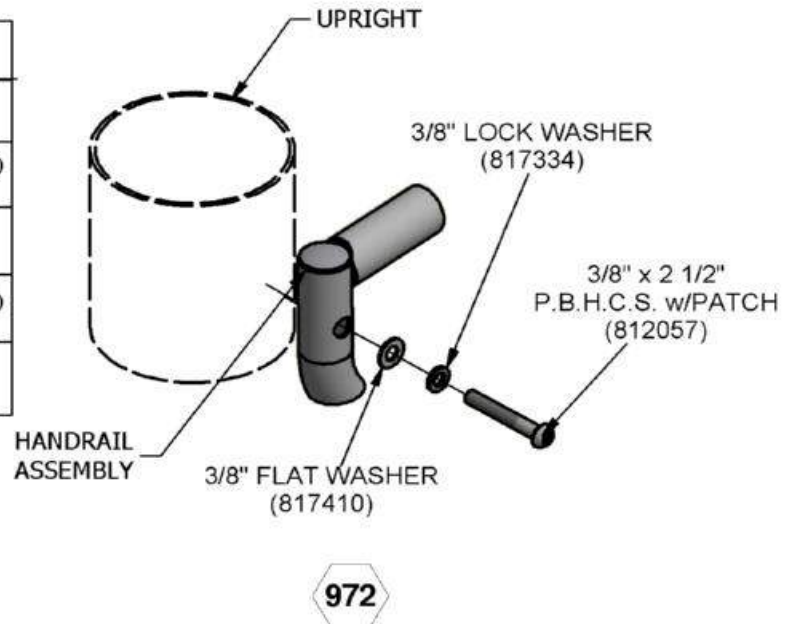
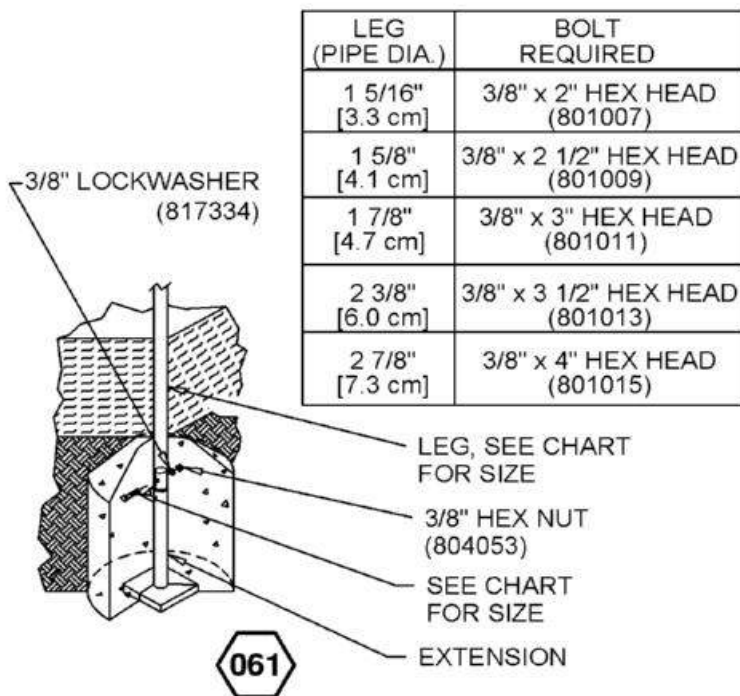
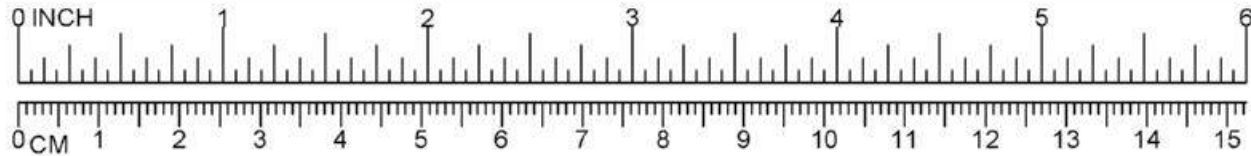
DETAILS -for- 91467 THRU 91470

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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.



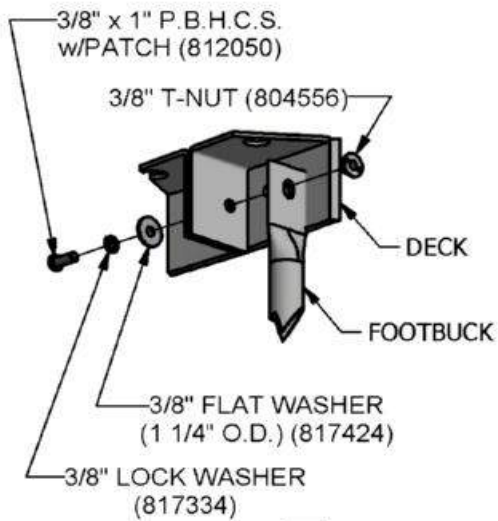
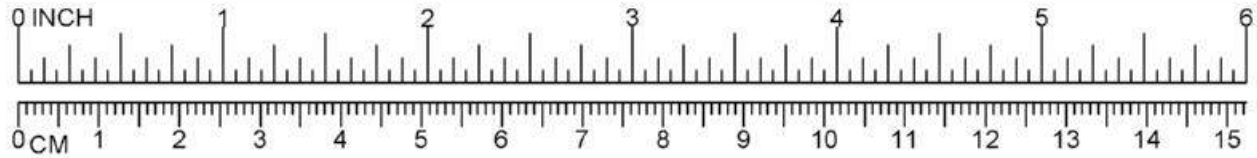
DETAILS -for- 91467 THRU 91470

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716

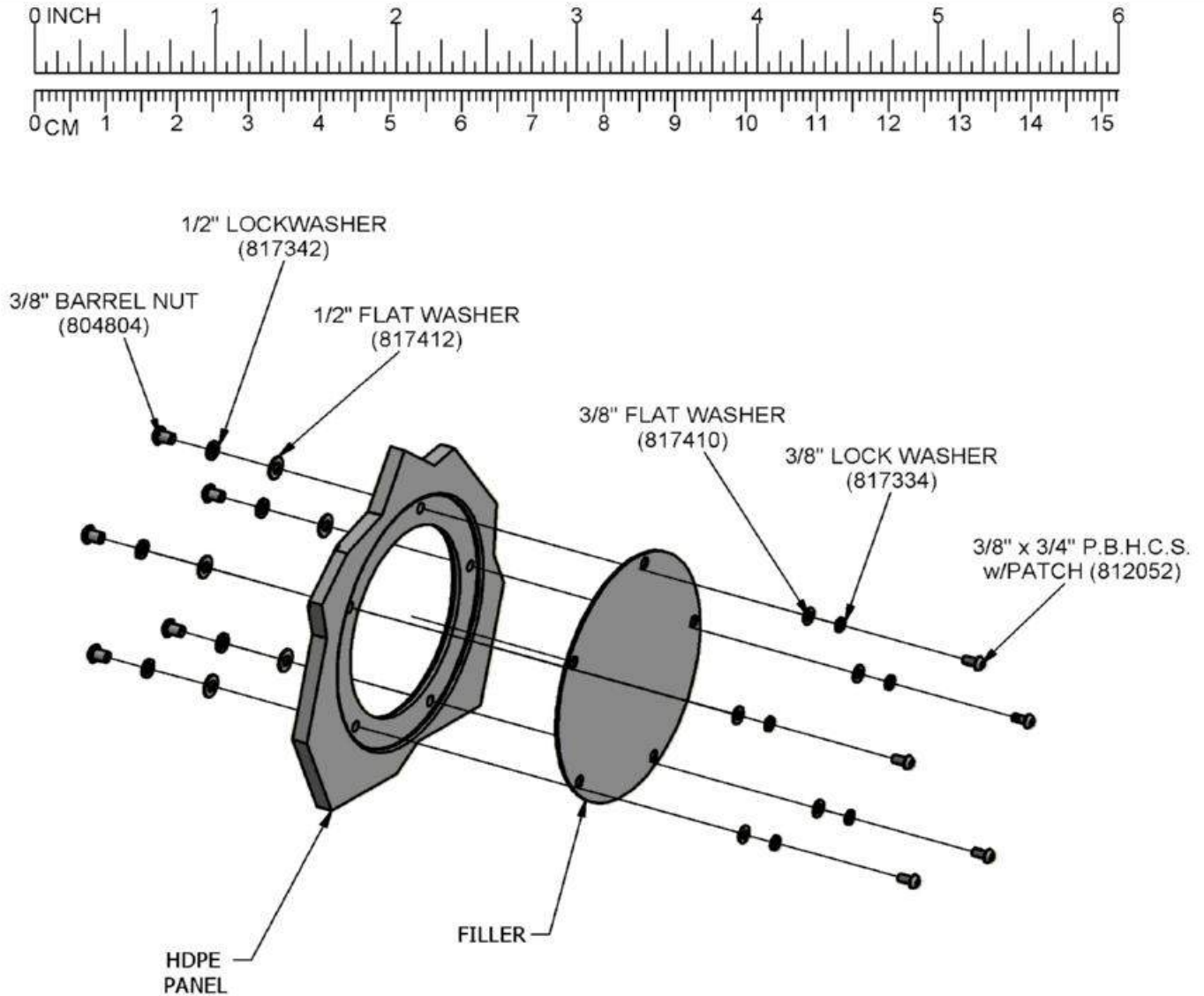
DETAILS -for- 91467 THRU 91470

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854

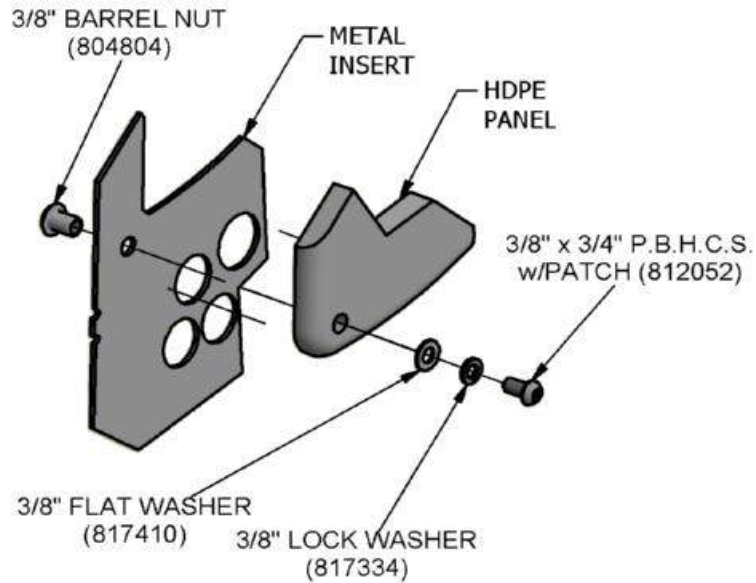
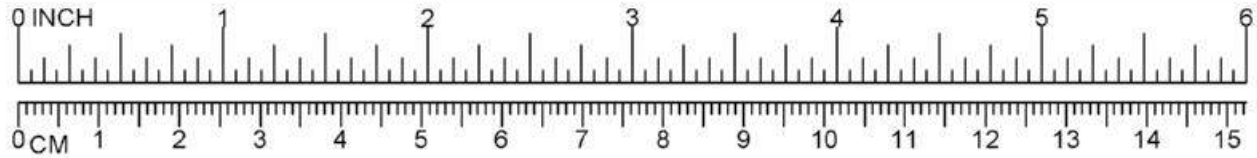
DETAILS -for- 91467 THRU 91470

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



NOTE: HDPE PANEL
PIECES MUST ALWAYS
BE PLACED TO THE
OUTSIDE FACE OF
THE COMPONENT.

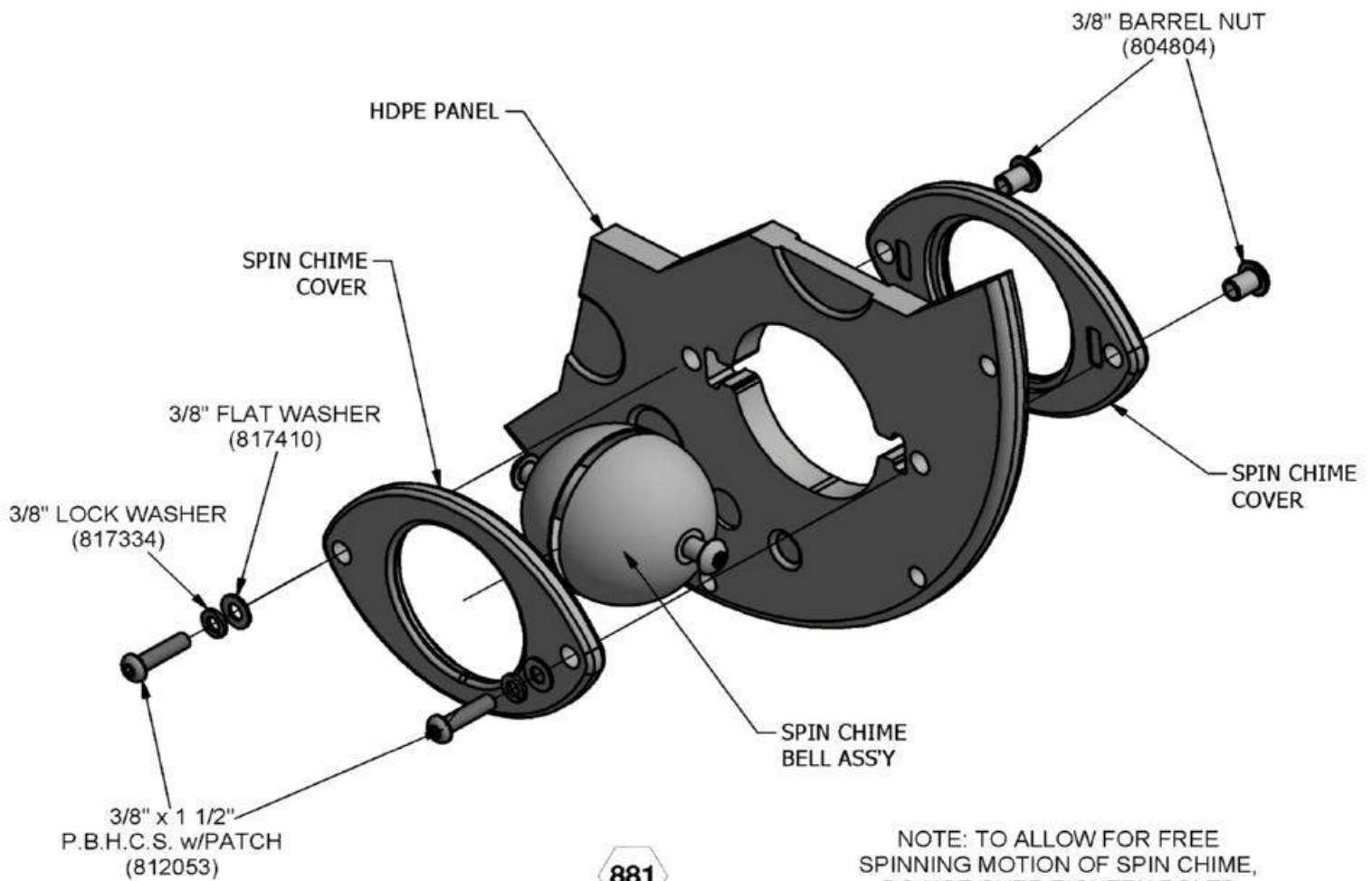
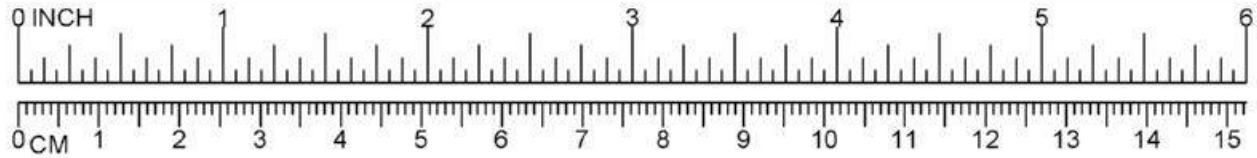
DETAILS -for- 91467 THRU 91470

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881

NOTE: TO ALLOW FOR FREE SPINNING MOTION OF SPIN CHIME, DO NOT OVER TIGHTEN BOLTS DURING ASSEMBLY

RAMP LINK II SENSORY WAVE



91475
91476
91477
91478

FOR SENSOR LOCATION, REFER TO ORDER TOP VIEW

**NOTE 1: USING A DIGITAL LEVEL CHECK
THE ANGLE OF RAMP PRIOR TO POURING
CONCRETE. THE ANGLE SHALL NOT EXCEED
4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES**



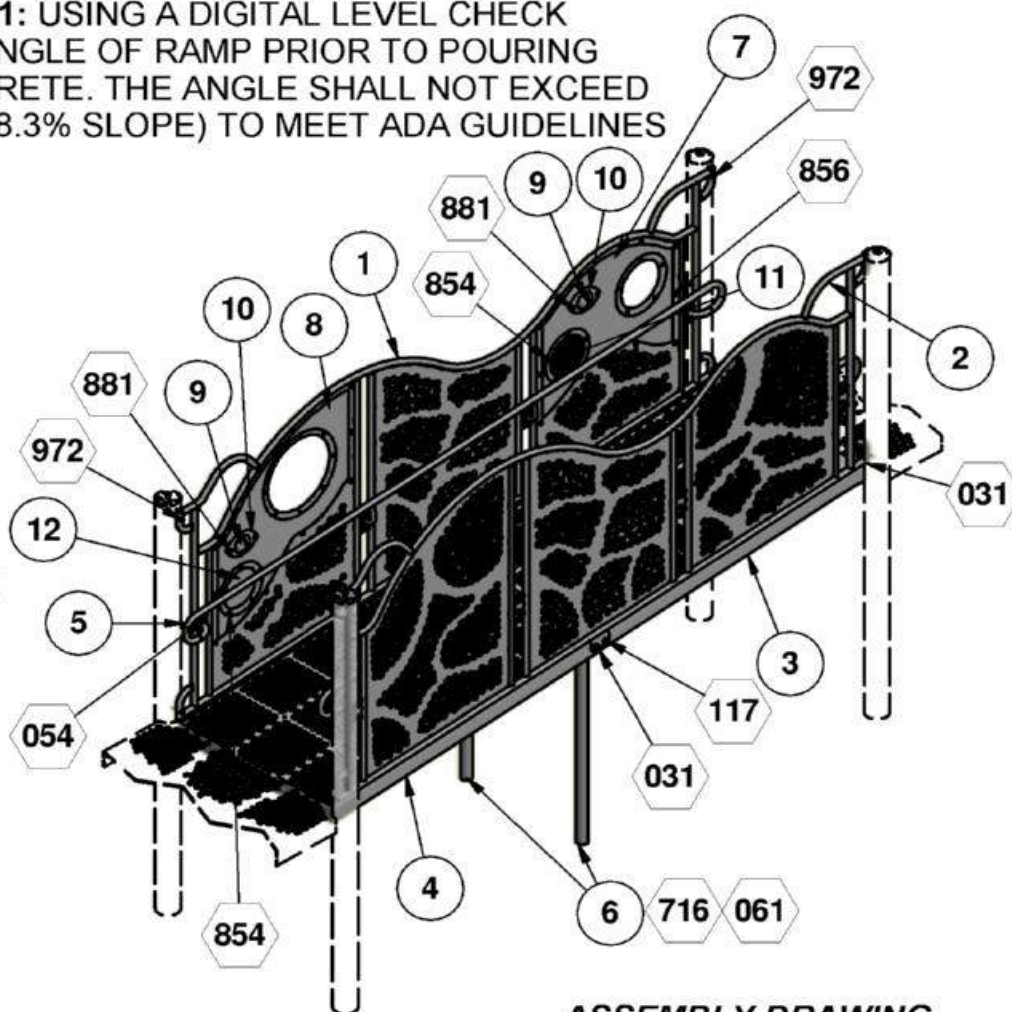
ALL
DECK
HEIGHTS

**NOTE 2: ALL OPENINGS ON
RAMP MUST BE FILLED
WITH A SENSOR BEFORE
PLAYGROUND IS
OPERATIONAL.**

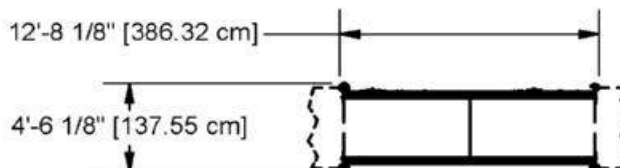
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.

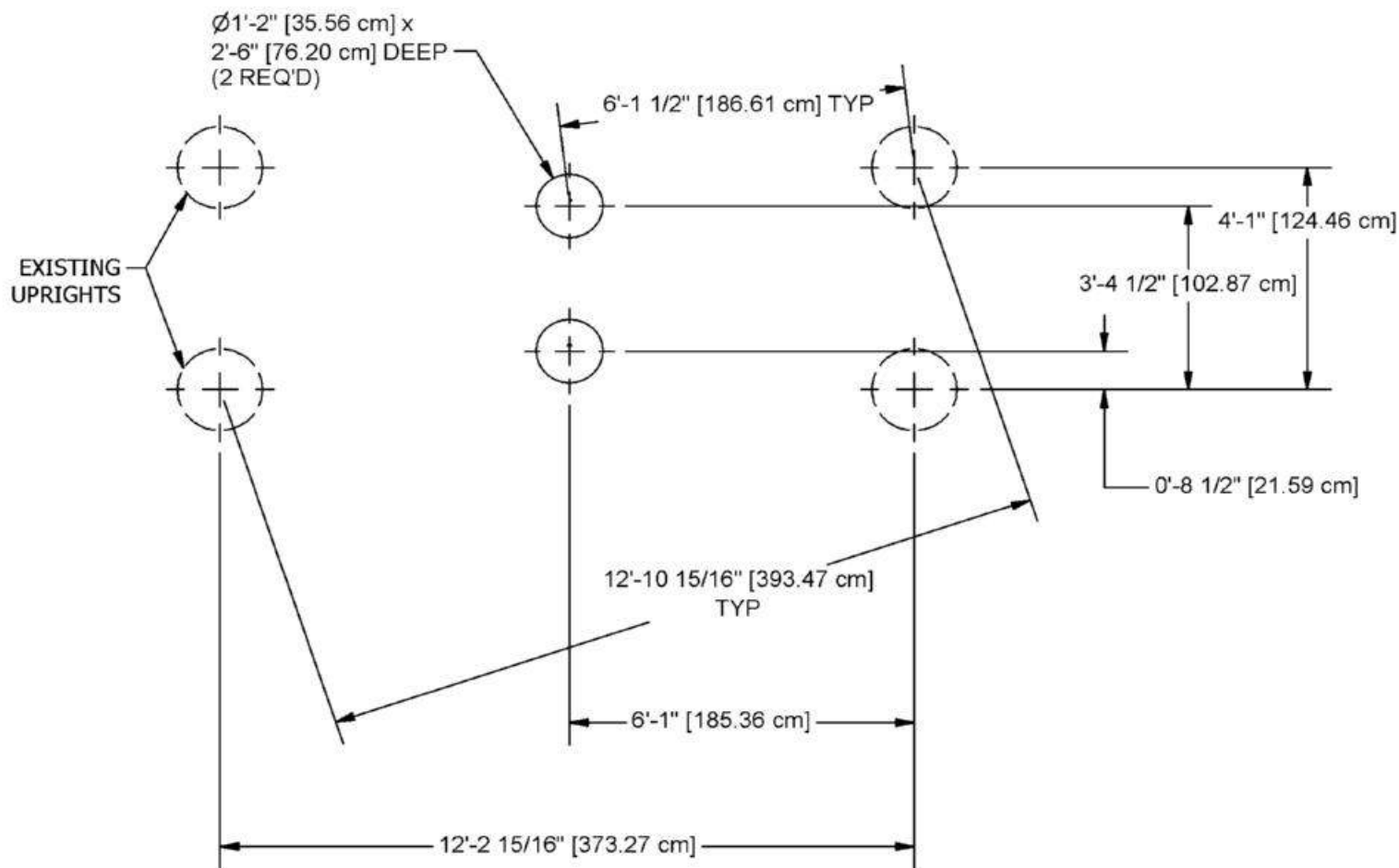
1'-6" & 2'-0"	91475
2'-6" & 3'-0"	91476
3'-6" & 4'-0"	91477
4'-6" & 5'-0"	91478
5'-6" & 6'-0"	91479
6'-6" & 7'-0"	91480
7'-6" & 8'-0"	91481



**ASSEMBLY DRAWING
91478 SHOWN**



TOP VIEW



CONCRETE REQUIRED
 .12 CUBIC YARDS
 [.10 CUBIC METERS]

GROUND PLAN
91475 THRU 91481

NOTE: HOLE DEPTHS INDICATED ON ALL
 GROUND PLANS ARE MEASURED FROM
 THE FINISHED SURFACE. SEE DETAIL
 032. ALL FOOTING DIMENSIONS ARE
 BASED ON LEVEL FINISHED SURFACE.

Parts List

REF.	DESCRIPTION	91475	91476	91477	91478	91479	91480	91481	PART NUMBER
1	RAMP SENSORY WAVE WELD ASS'Y	1	1	1	1	1	1	1	212780
2	RAMP SENSORY WAVE WELD ASS'Y	1	1	1	1	1	1	1	212782
3	RAMP SECTION	1	1	1	1	1	1	1	164042
4	RAMP SECTION	1	1	1	1	1	1	1	164045
5	HAND HOLD	2	2	2	2	2	2	2	176728
6	GROUND SUPPORT 2'	2	0	0	0	0	0	0	205414
6	GROUND SUPPORT 8'	0	0	0	0	0	0	2	205675
6	GROUND SUPPORT 6'	0	0	0	0	2	0	0	205671
6	GROUND SUPPORT 7'	0	0	0	0	0	2	0	205673
6	GROUND SUPPORT 3'	0	2	0	0	0	0	0	205416
6	GROUND SUPPORT 4'	0	0	2	0	0	0	0	205418
6	GROUND SUPPORT 5'	0	0	0	2	0	0	0	205669
7	HDPE PANEL 1	1	1	1	1	1	1	1	212741
8	HDPE PANEL 2	1	1	1	1	1	1	1	212742
9	SPIN CHIME BELL ASS'Y	2	2	2	2	2	2	2	213177
10	SPIN CHIME COVER	4	4	4	4	4	4	4	212756
11	METAL FILLER	1	1	1	1	1	1	1	211575
12	TRANSPARENT LIGHT BLUE ACRYLIC FILLER	1	1	1	1	1	1	1	211547
	HARDWARE COMPLETE	1	1	1	1	1	1	1	212786
	3/8" x 3/4" P.B.H.C.S. w/PATCH	39	39	39	39	39	39	39	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	22	22	22	22	22	22	22	812050*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	4	812053*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	2	2	2	2	2	2	2	801013*
	3/8" ACORN NUT	16	16	16	16	16	16	16	804002*
	3/8" BARREL NUT	34	34	34	34	34	34	34	804804*
	3/8" FLAT WASHER	73	73	73	73	73	73	73	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	16	16	817424*
	3/8" HEX NUT	2	2	2	2	2	2	2	804053*
	3/8" LOCK WASHER	75	75	75	75	75	75	75	817334*
	3/8" T-NUT	16	16	16	16	16	16	16	804556*
	8" EXTENSION	2	2	2	2	2	2	2	151080*
	1/2" LOCKWASHER	10	10	10	10	10	10	10	817342*
	1/2" FLAT WASHER	10	10	10	10	10	10	10	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-patch hardware.**

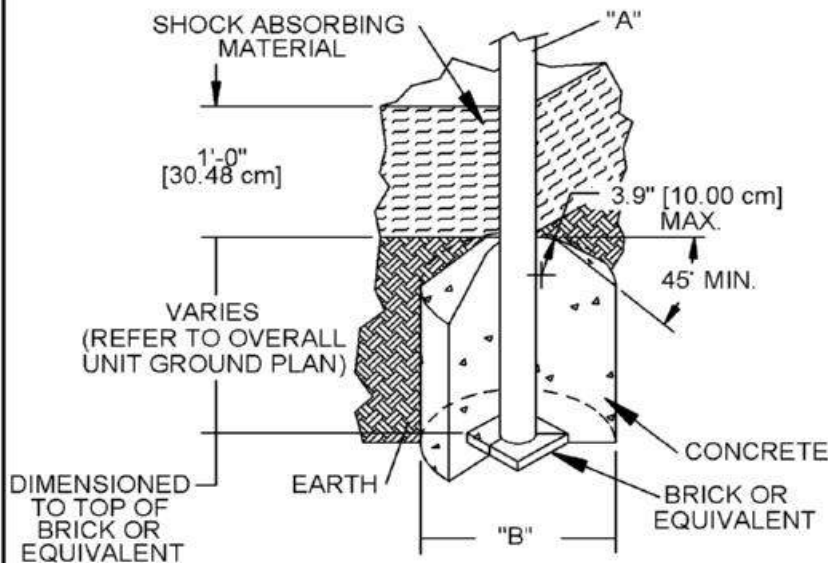
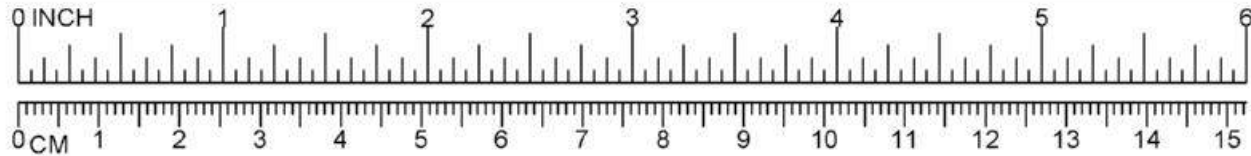
DETAILS -for- 91475 THRU 91481

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.



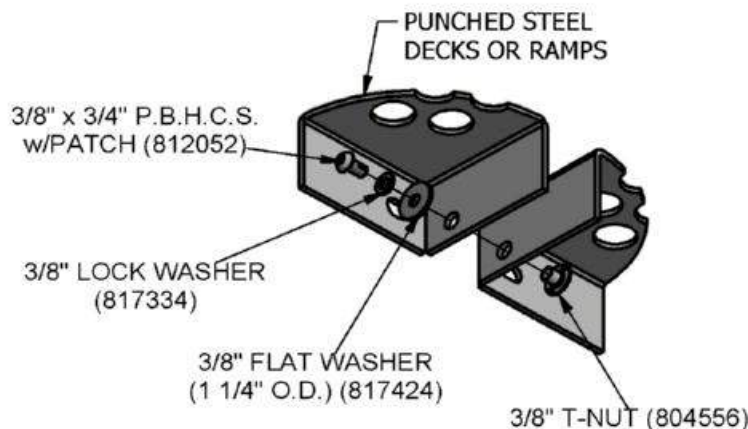
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
5" [12.70 cm]	2'-0" [60.96 cm]
TREE SCAPE	
5" [12.70 cm]	4'-0" [121.92 cm]

NOTES:

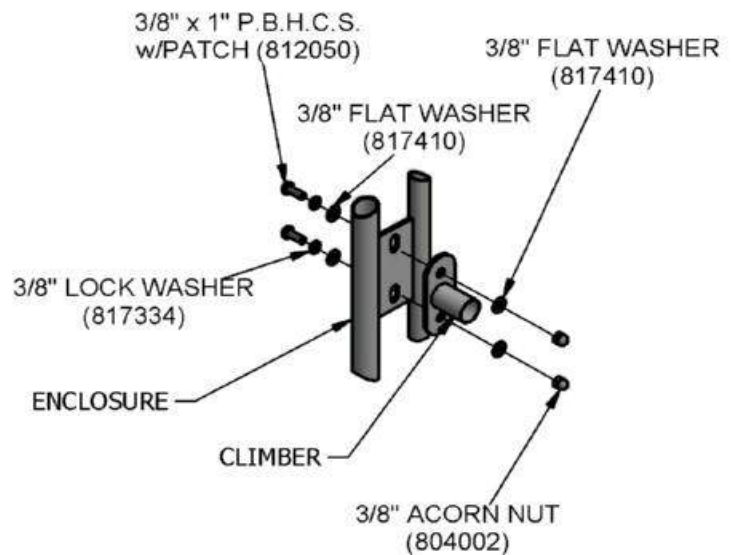
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



031



054

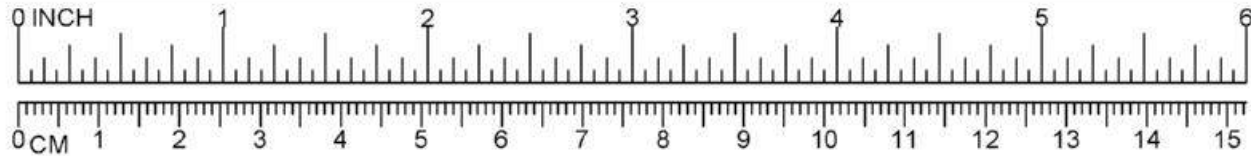
DETAILS -for- 91475 THRU 91481

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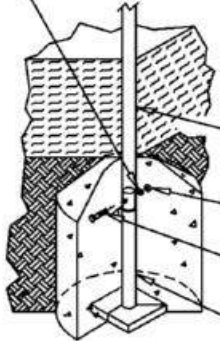
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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

3/8" LOCKWASHER
(817334)



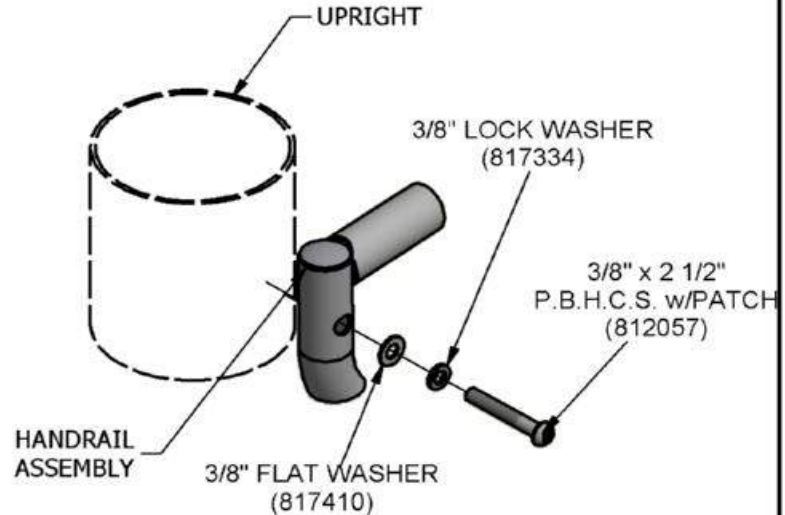
LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

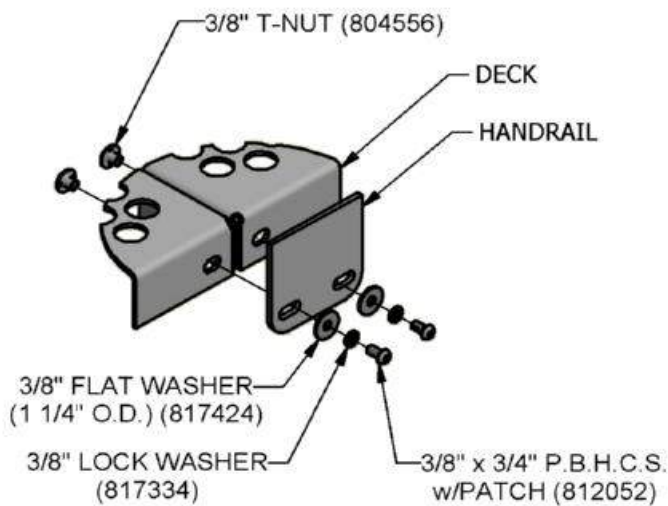
SEE CHART
FOR SIZE

EXTENSION

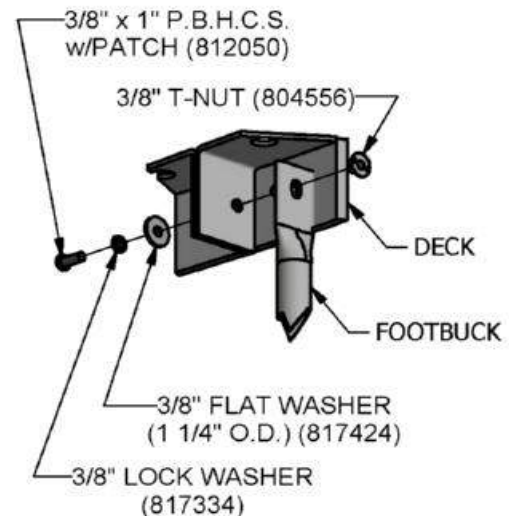
061



972



117



716

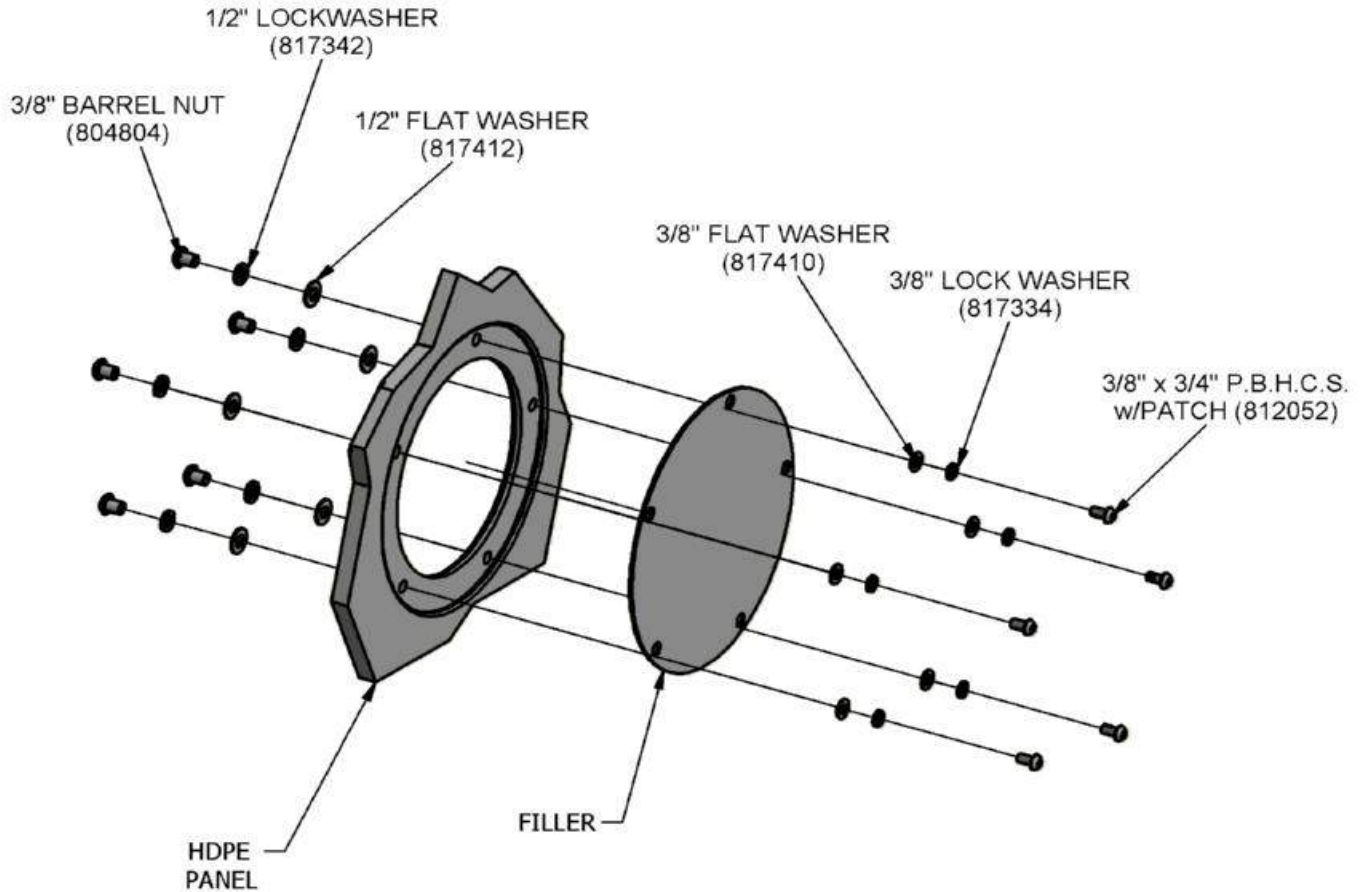
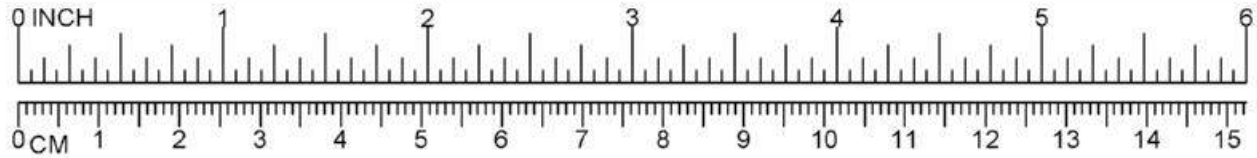
DETAILS -for- 91475 THRU 91481

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.



854

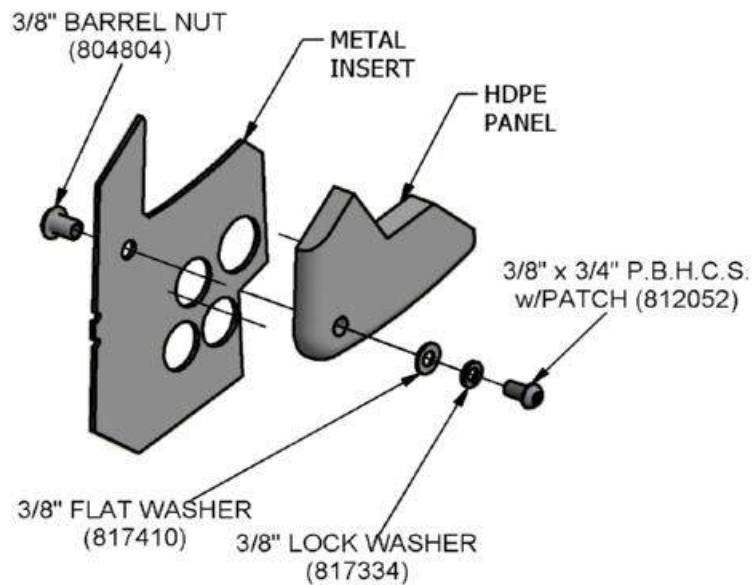
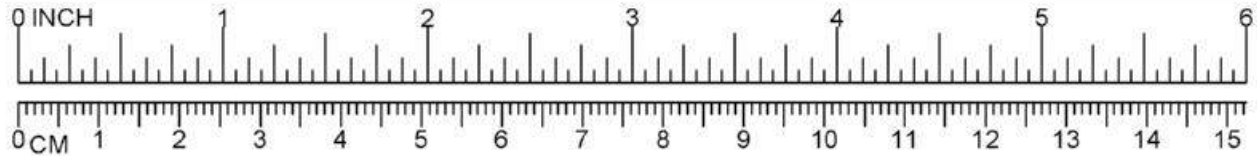
DETAILS -for- 91475 THRU 91481

IMPORTANT

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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.



NOTE: HDPE PANEL
PIECES MUST ALWAYS
BE PLACED TO THE
OUTSIDE FACE OF
THE COMPONENT.

856

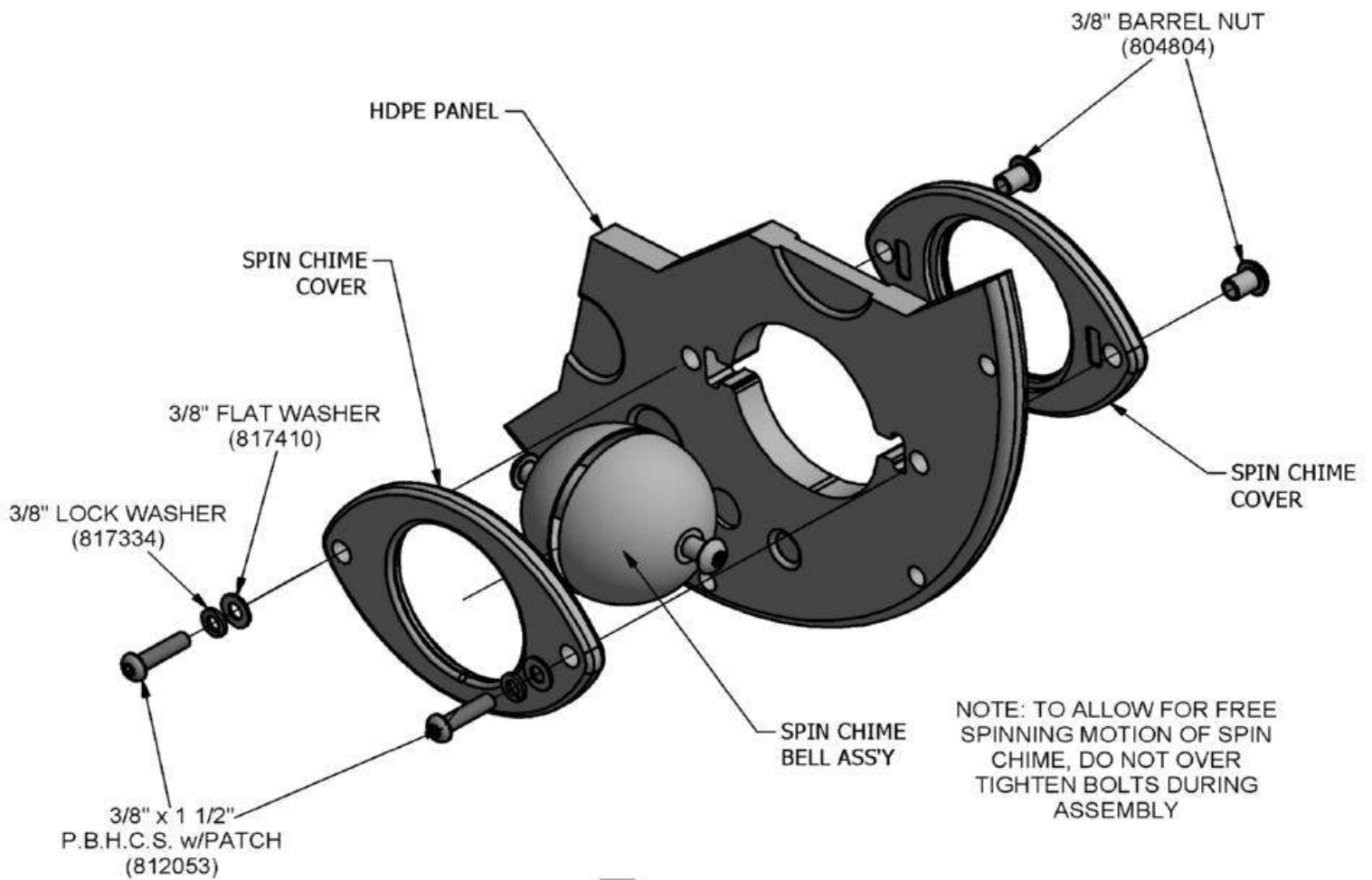
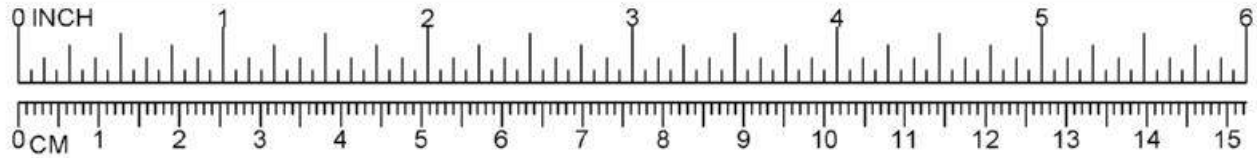
DETAILS -for- 91475 THRU 91481

IMPORTANT

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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.



881

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91499

GameTime®

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1-800-235-2440

ISSUED/REVISED: 11/9/2020

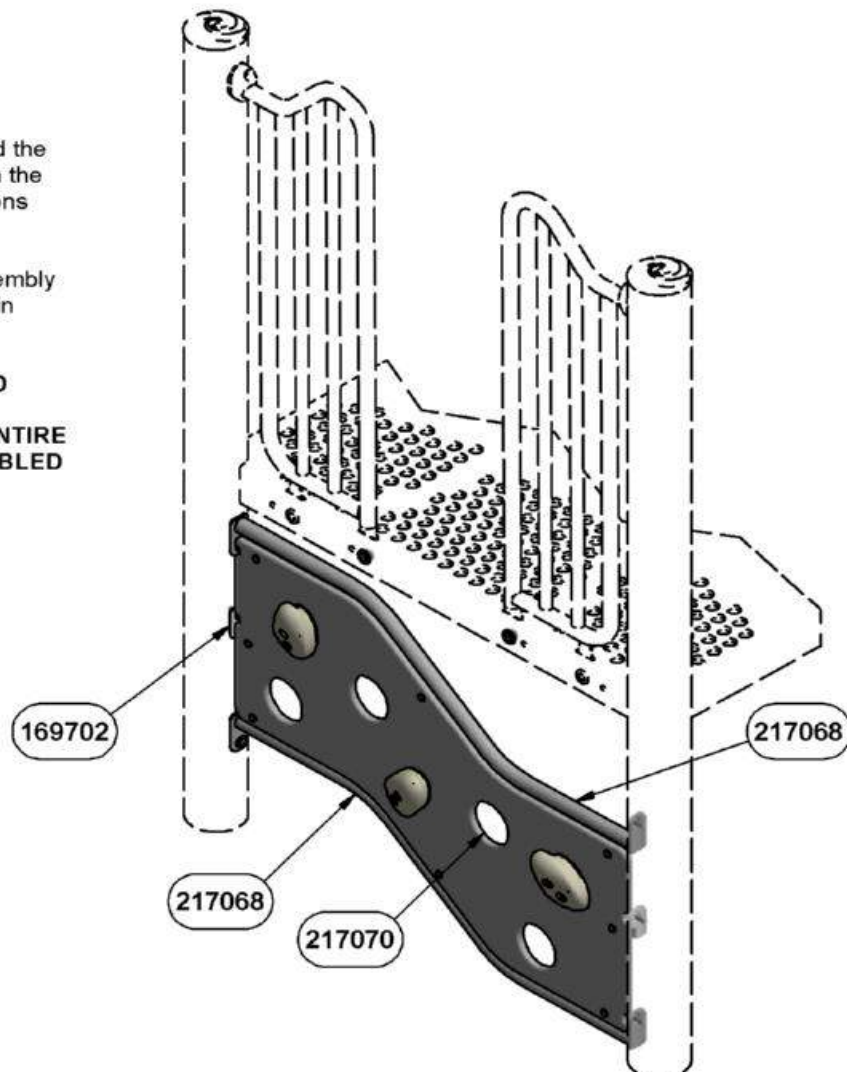
OLYMPUS CLIMBER



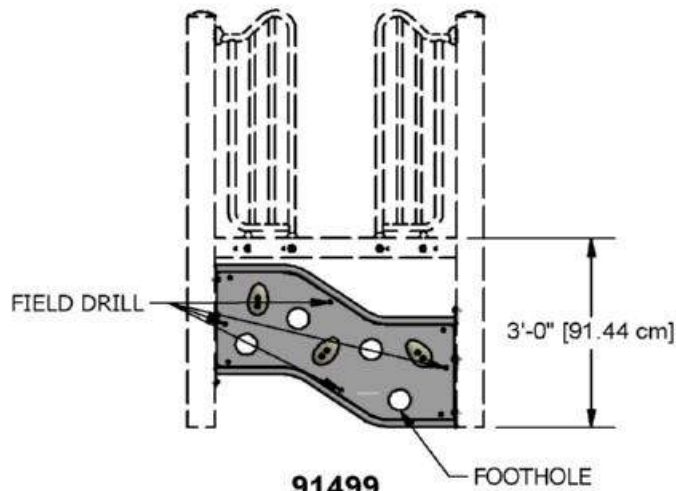
3'-0", 3'-6", 4'-0"	91499
5'-0", 5'-6", 6'-0"	91500
7'-0", 7'-6", 8'-0"	91501

INSTALLATION INSTRUCTIONS

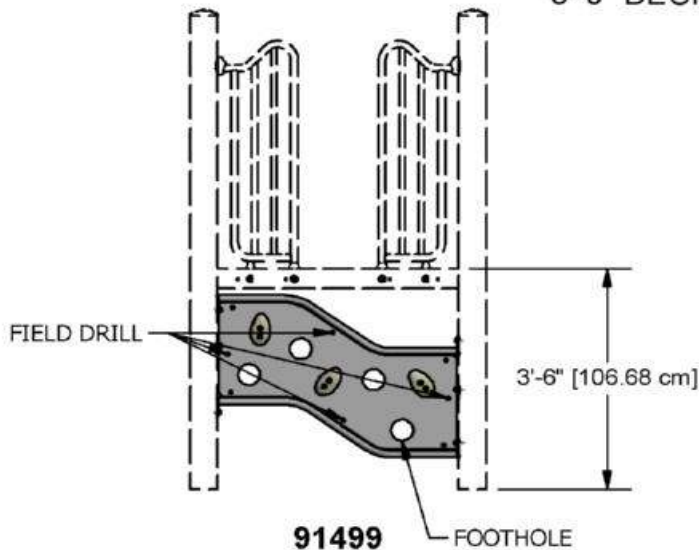
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



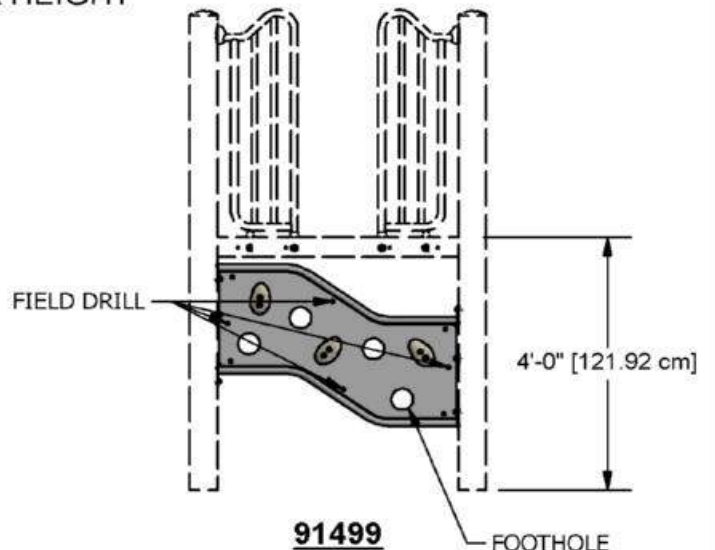
ASSEMBLY DRAWING
91499 SHOWN



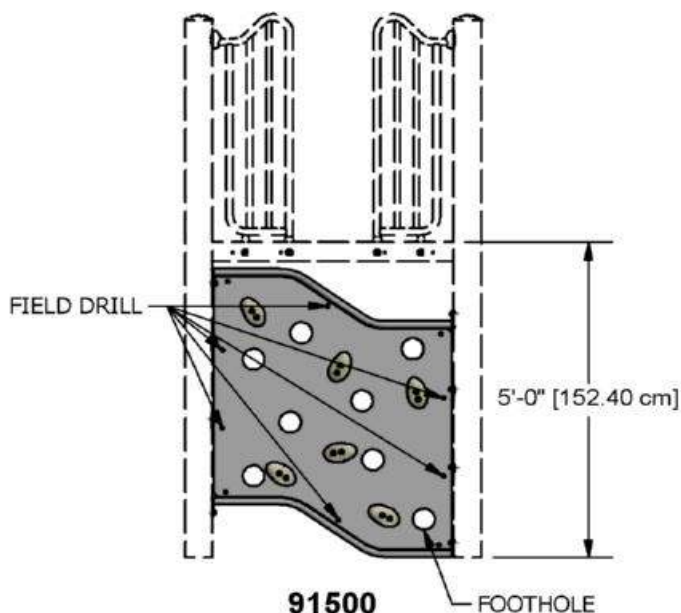
91499
3'-0" DECK HEIGHT



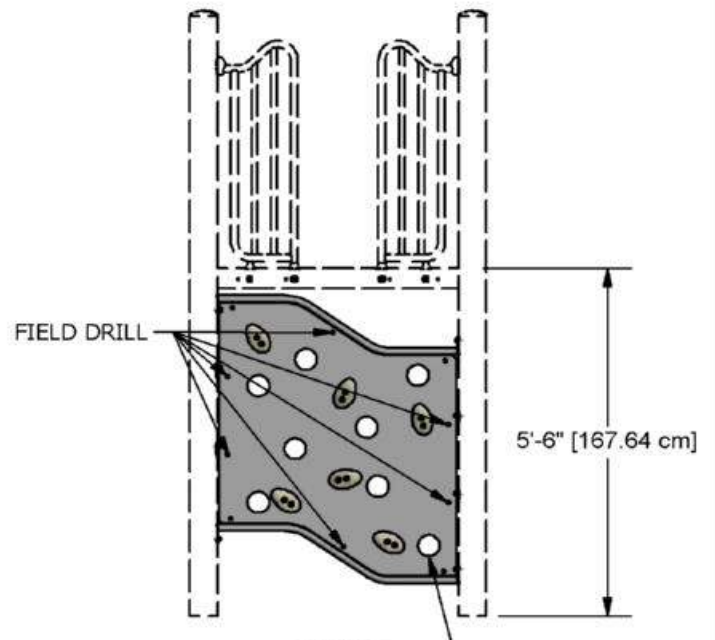
91499
3'-6" DECK HEIGHT



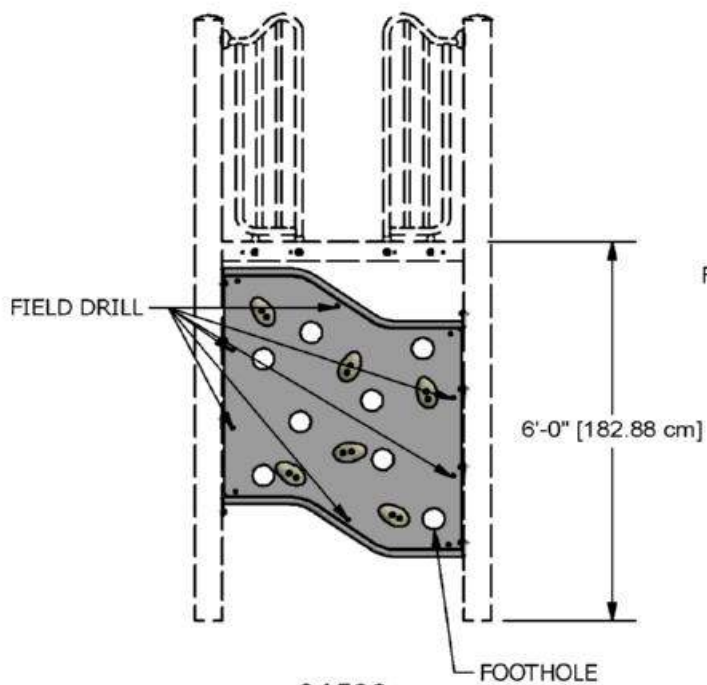
91499
4'-0" DECK HEIGHT



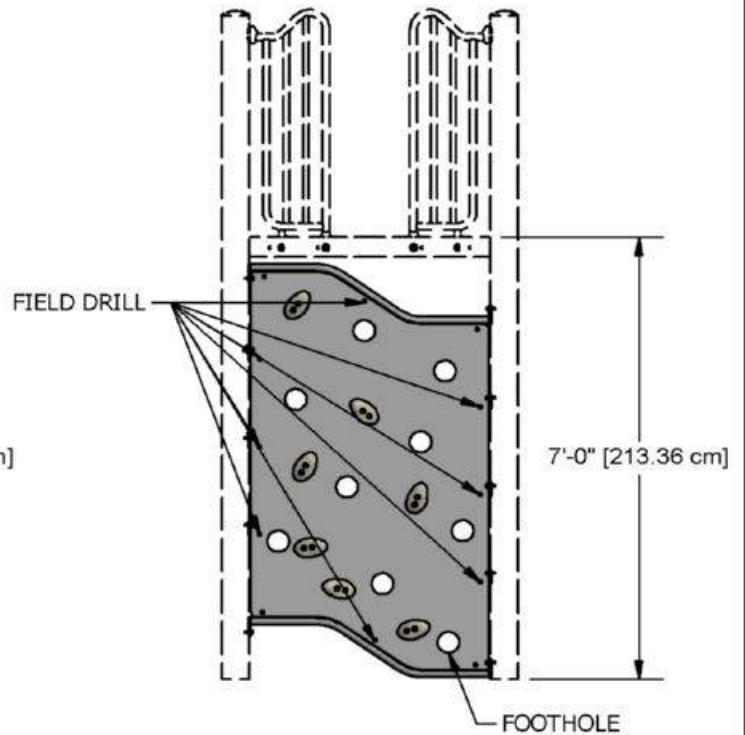
91500
5'-0" DECK HEIGHT



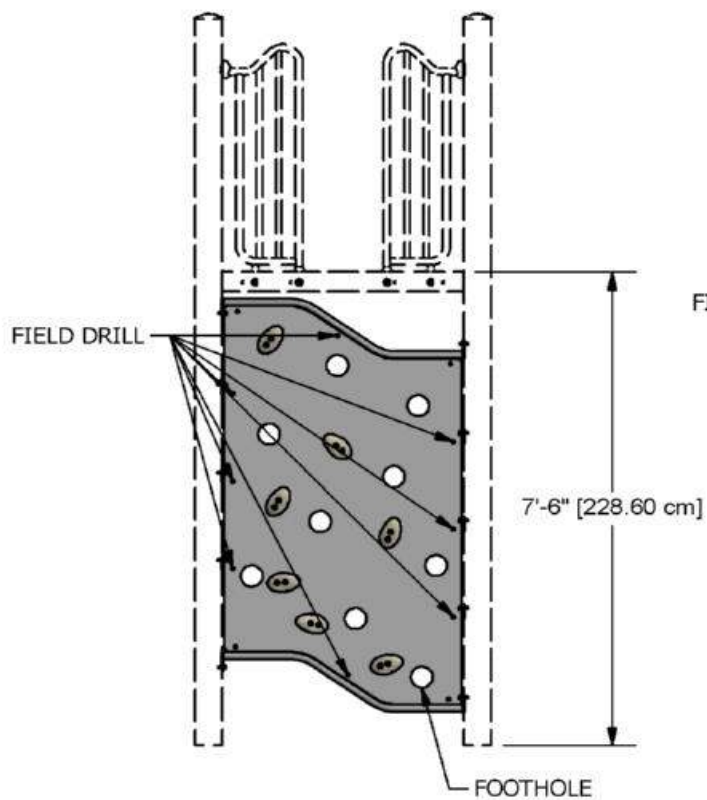
91500
5'-6" DECK HEIGHT



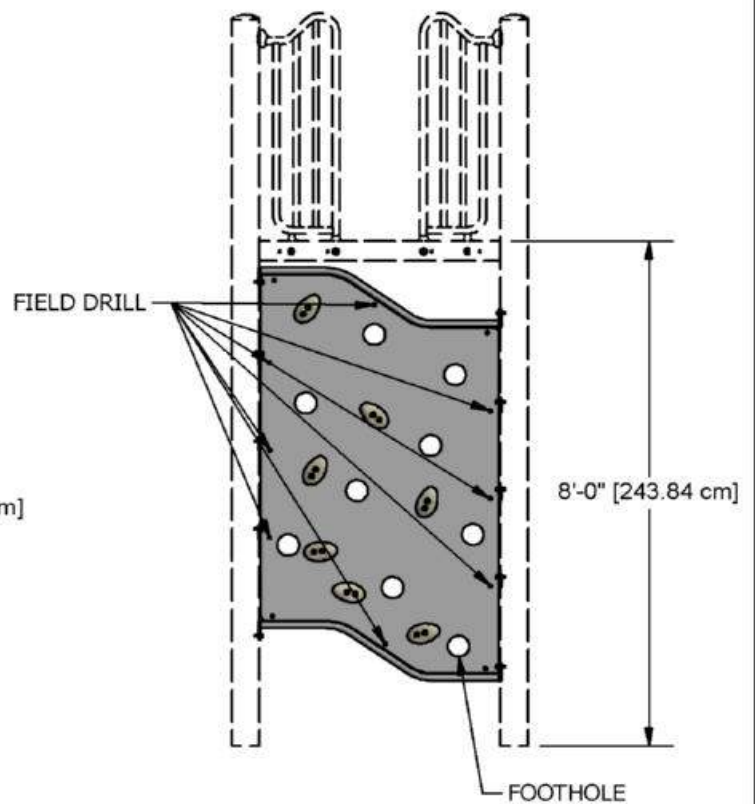
91500
6'-0" DECK HEIGHT



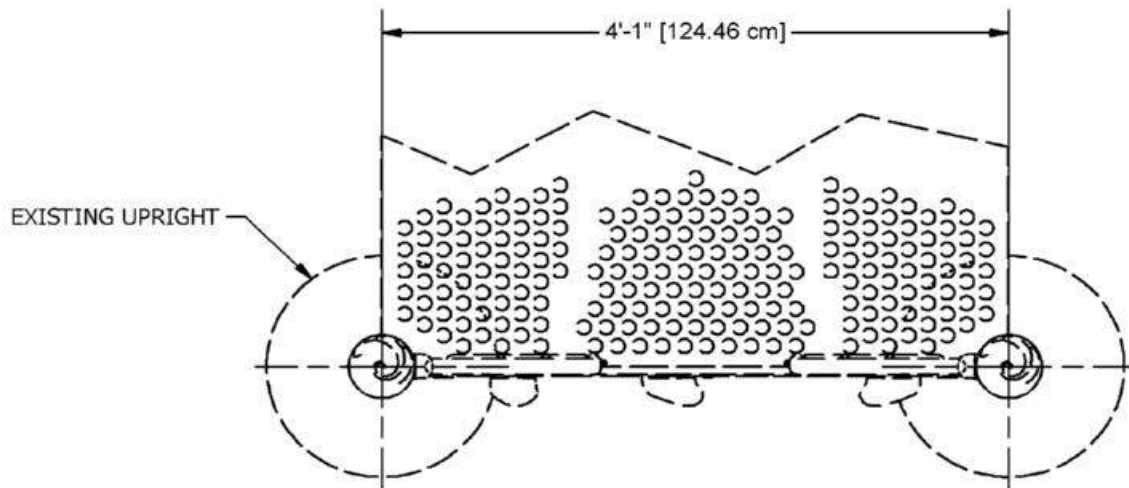
91501
7'-0" DECK HEIGHT



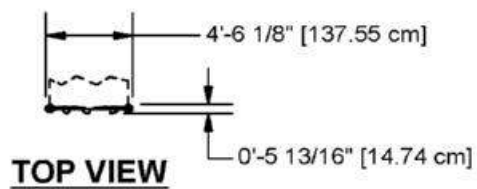
91501
7'-6" DECK HEIGHT



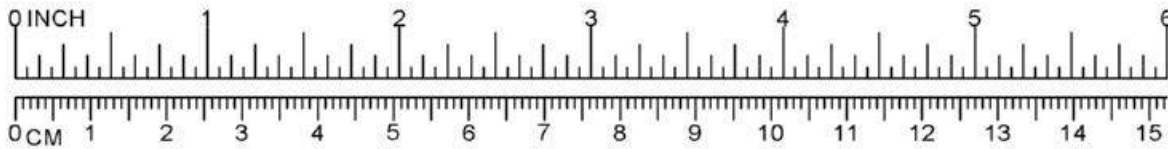
91501
8'-0" DECK HEIGHT



PLAN VIEW



TOP VIEW



EXISTING ENTRYWAY

EXISTING DECK

3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" LOCK WASHER
(817334)

3/8" x 3/4" P.B.H.C.S.
w/PATCH (812052)

3/8" T-NUT (804556)

STEP 1
2 PLACES

EXISTING UPRIGHT

169702

OR

217068

3/8" x 1 1/4"
P.B.H.C.S. w/PATCH
(812051)

3/8" FLAT WASHER
(817410)

3/8" LOCK WASHER
(817334)

217068

169702

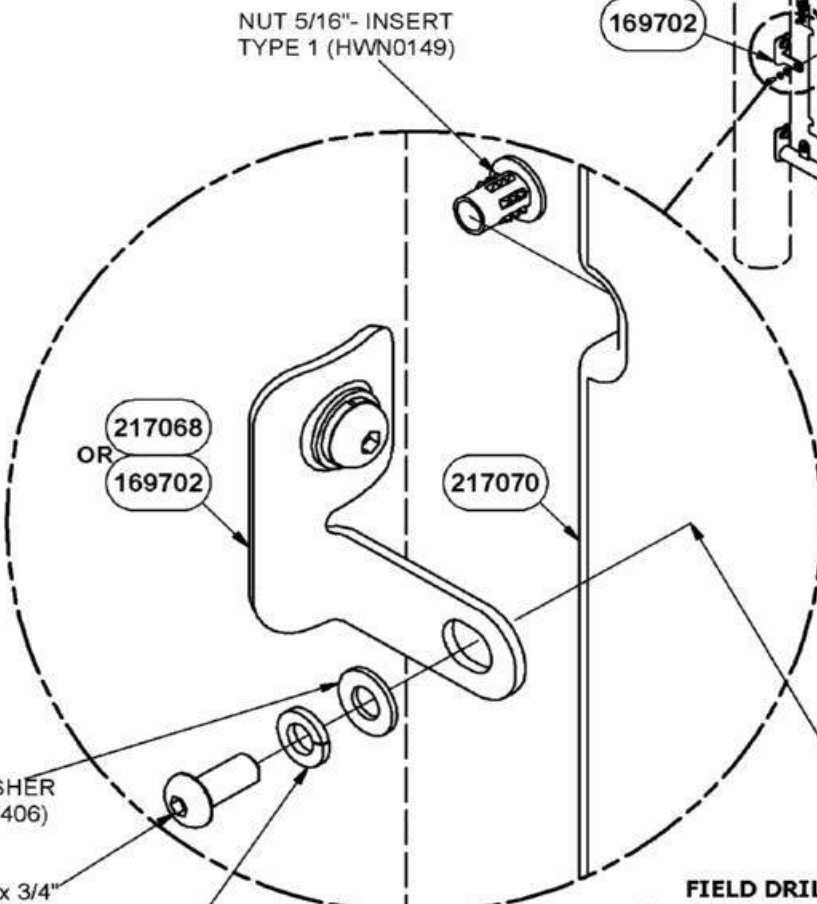
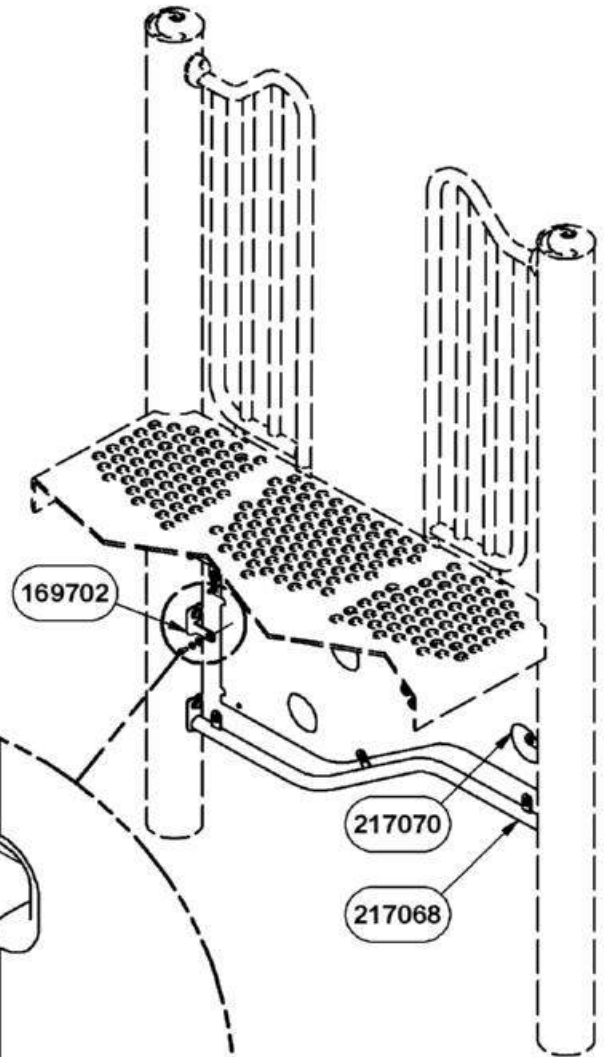
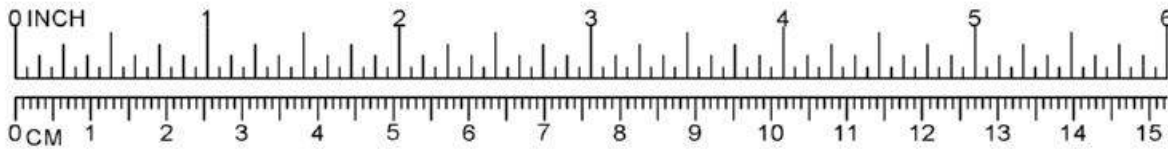
FOOTHOLE PLACEMENT
CRITICAL

217068

STEP 2
6 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



5/16" FLAT WASHER
(5/8" O.D.) (817406)

5/16" x 3/4"
P.B.H.C.S. w/PATCH
(812040)

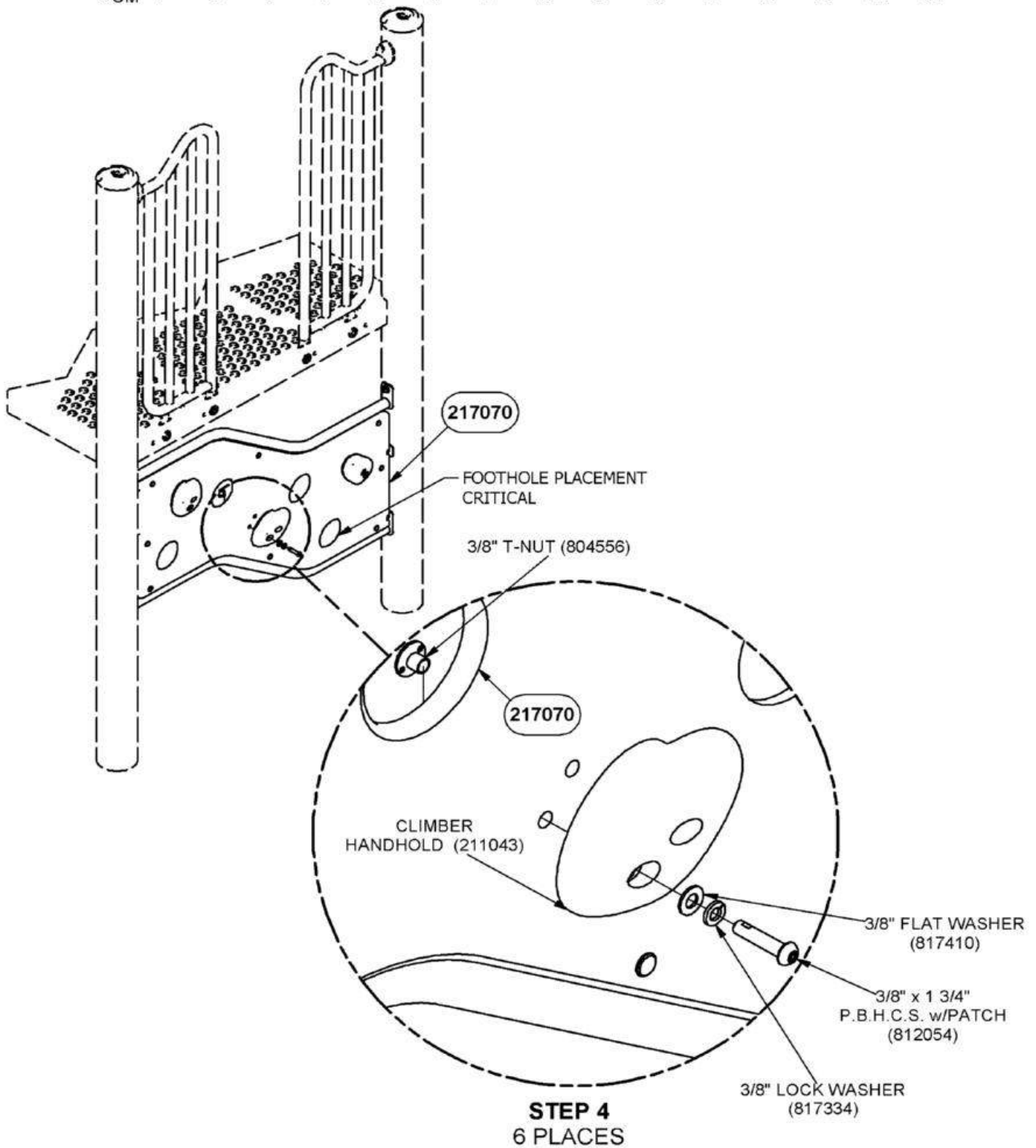
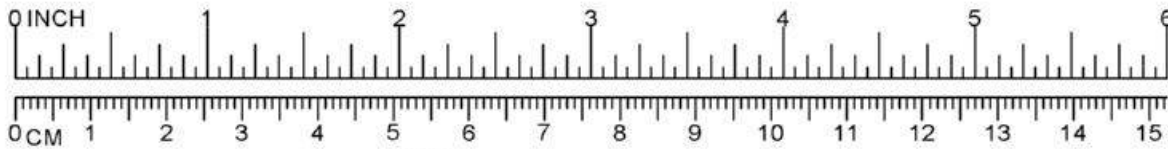
5/16" LOCK WASHER
(817330)

STEP 3
8 PLACES

FIELD DRILL HOLE TO 7/16" DIAMETER
USE FORMED BRACKET AND TOP RAIL WELD ASSEMBLY
AS TEMPLATE

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

PAGE 7

Parts List				
DESCRIPTION	91499	91500	91501	PART NUMBER
TOP RAIL WELD ASSEMBLY	2	2	2	217068
OLYMPUS CLIMBER HDPE	1	0	0	217070
OLYMPUS CLIMBER HDPE	0	1	0	217071
OLYMPUS CLIMBER HDPE	0	0	1	217072
FORMED TAB	2	4	6	169702
HARDWARE COMPLETE	1	0	0	217073
HARDWARE COMPLETE	0	1	0	217074
HARDWARE COMPLETE	0	0	1	217075
5/16" x 3/4" P.B.H.C.S. w/PATCH	8	10	12	812040*
5/16" FLAT WASHER (5/8" O.D.)	8	10	12	817406*
5/16" LOCK WASHER	8	10	12	817330*
NUT 5/16"- INSERT TYPE 1	8	10	12	HWN0149*
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	6	8	10	812051*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	12	14	812054*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	817424*
3/8" FLAT WASHER	12	20	24	817410*
3/8" LOCK WASHER	14	22	26	817334*
3/8" T-NUT	8	14	16	804556*
CLIMBER HANDHOLD	3	6	7	211043*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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ISSUED/REVISED: 7/2/2020

DUNUN DRUM PANEL



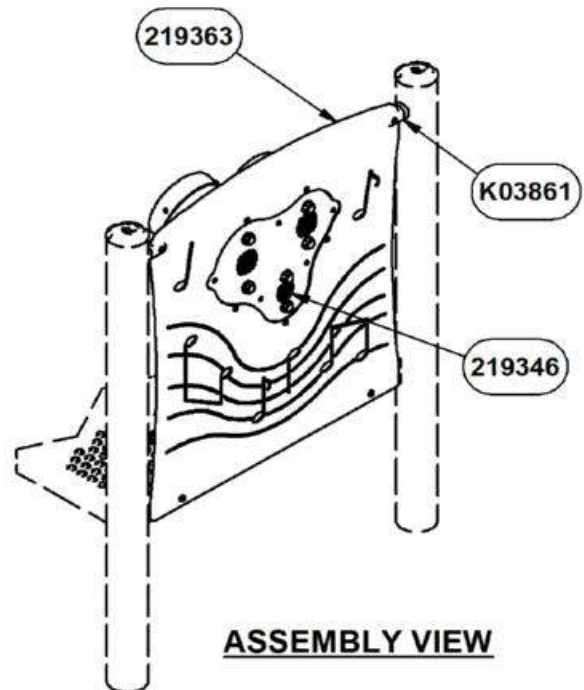
UP TO 5'-0"
DECK HEIGHT



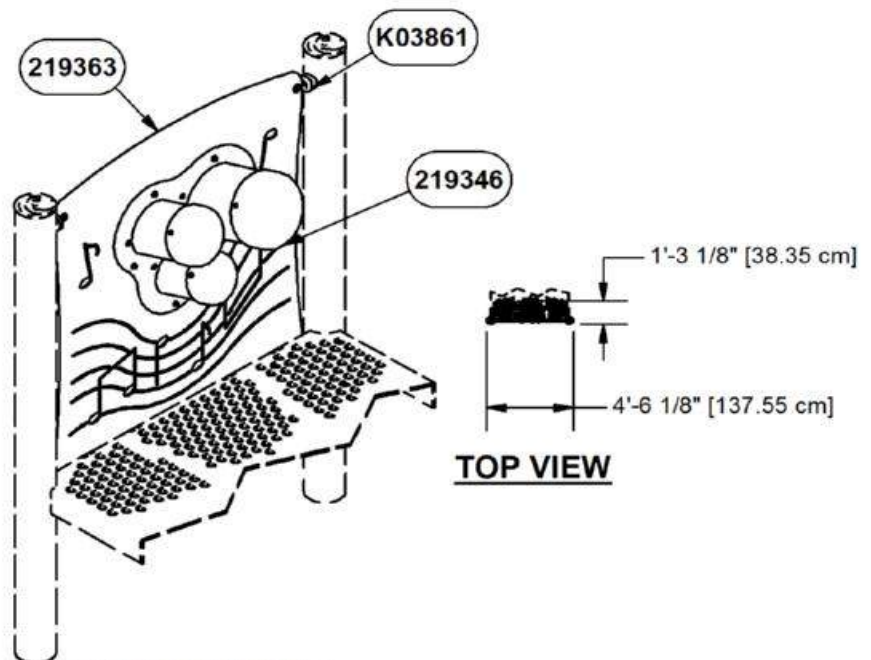
ALL DECK
HEIGHTS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
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4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

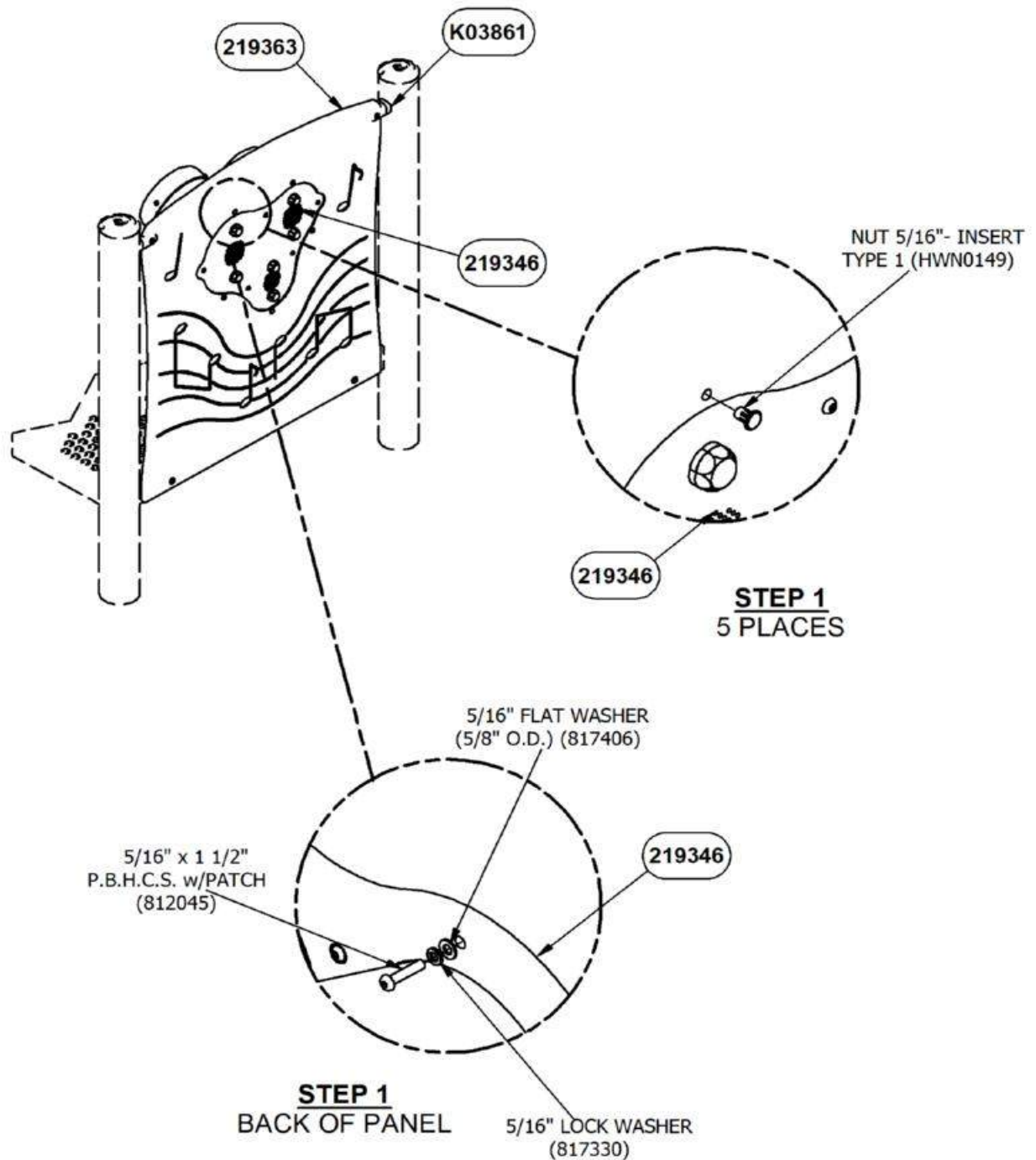


ASSEMBLY VIEW



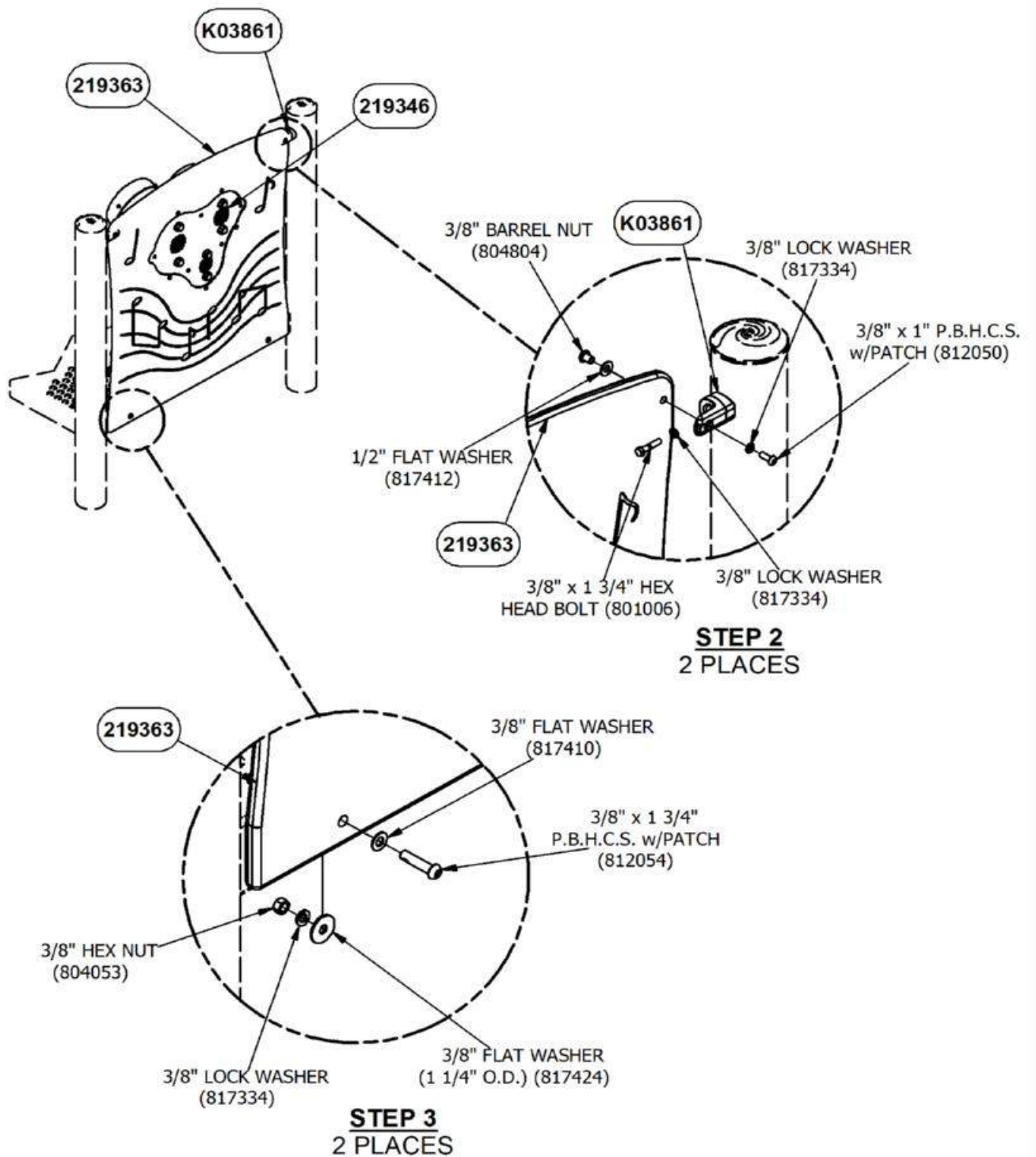
TOP VIEW

**ASSEMBLY VIEW
SHOWN FOR CLARITY**



DETAIL VIEW

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
DUNUN DRUM PANEL	1	219363
DUNUN DRUM PANEL INSERT	1	219346
TRU-LOC PANEL ATTACHMENT	2	K03861
HARDWARE COMPLETE	1	219364
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 1 3/4" HEX HEAD BOLT	2	801006*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
3/8" LOCK WASHER	6	817334*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" BARREL NUT	2	804804*
3/8" HEX NUT	2	804053*
1/2" FLAT WASHER	2	817412*
NUT 5/16"- INSERT TYPE 1	5	HWN0149*
5/16" FLAT WASHER (5/8" O.D.)	5	817406*
5/16" LOCK WASHER	5	817330*
5/16" x 1 1/2" P.B.H.C.S. w/PATCH	5	812045*

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* Included in Hardware*

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- 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.
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ISSUED/REVISED: 11/24/2020

MARACABASAS PANEL



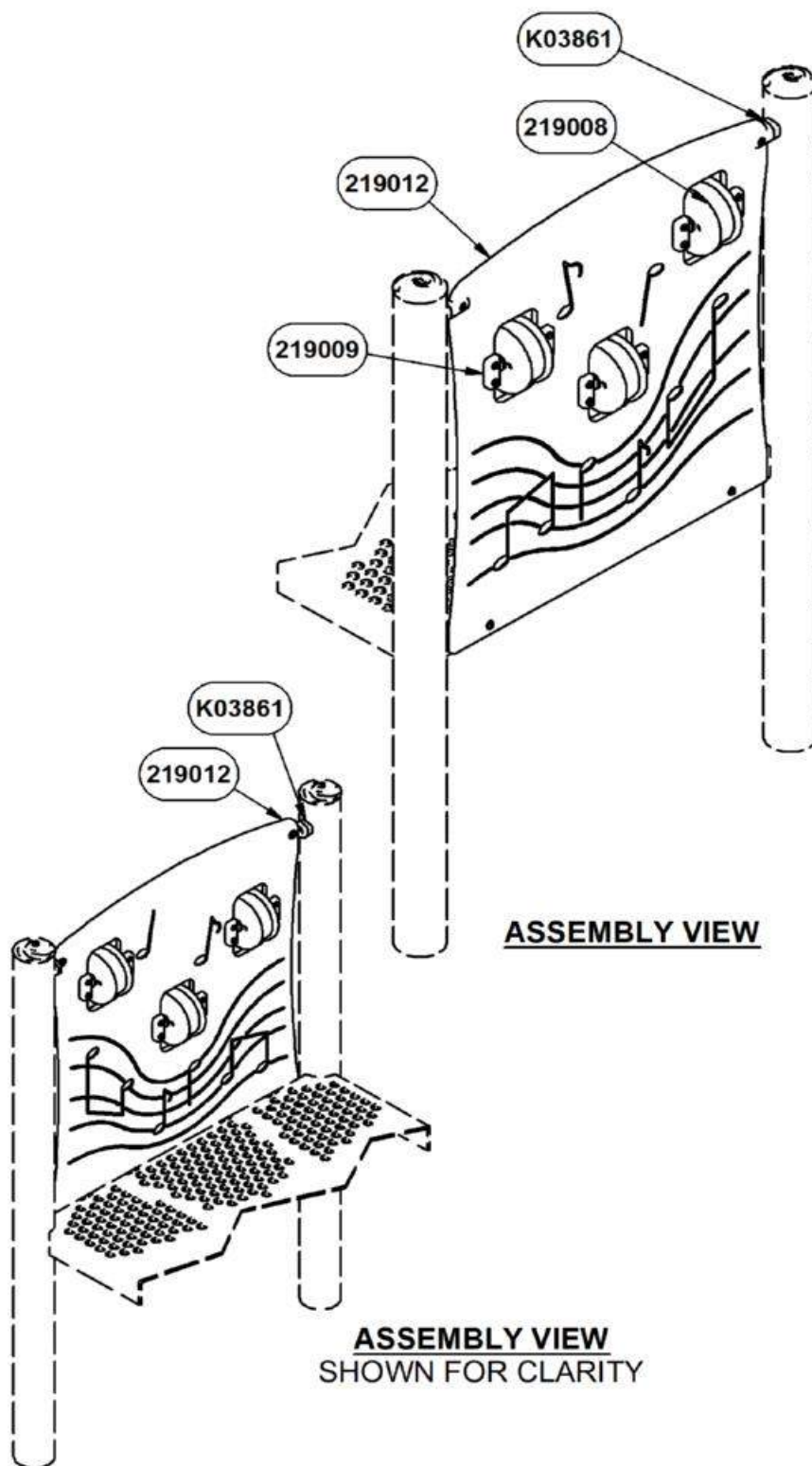
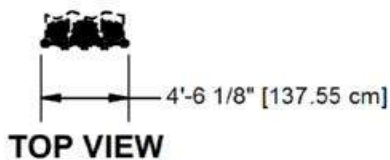
UP TO 5'-0"
DECK HEIGHT

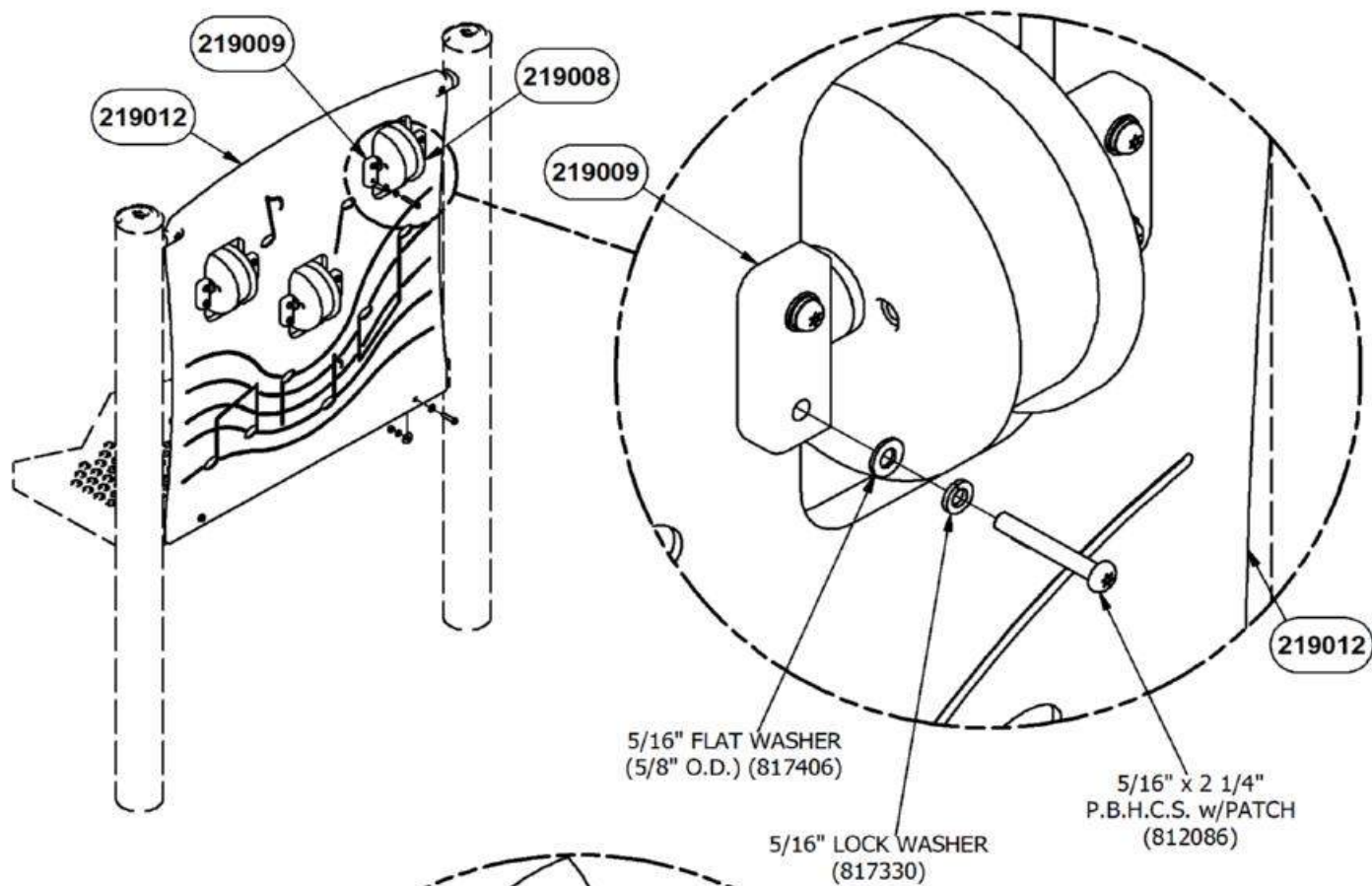


ALL DECK HEIGHTS

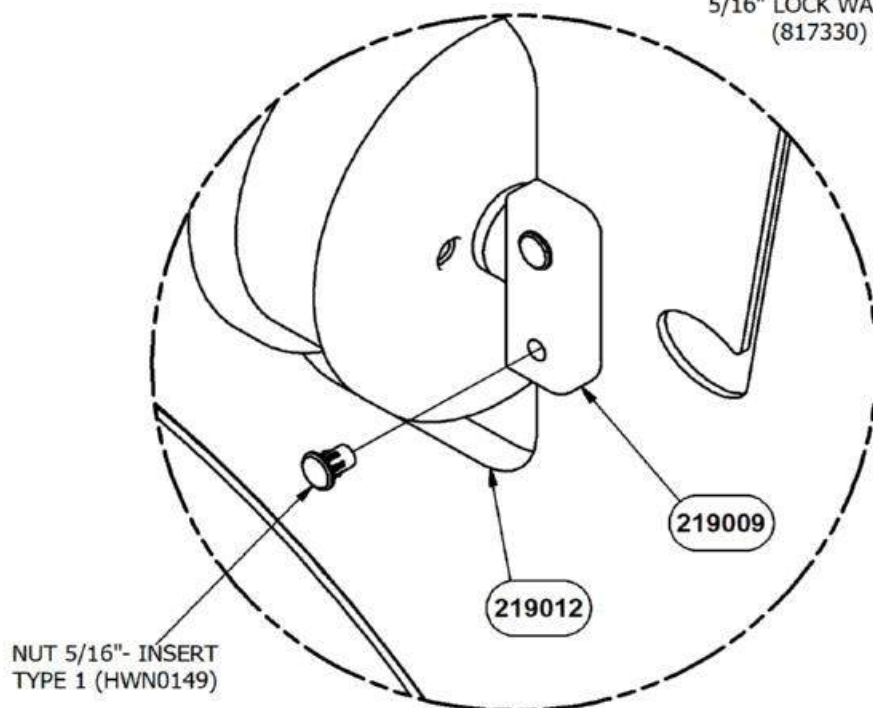
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.





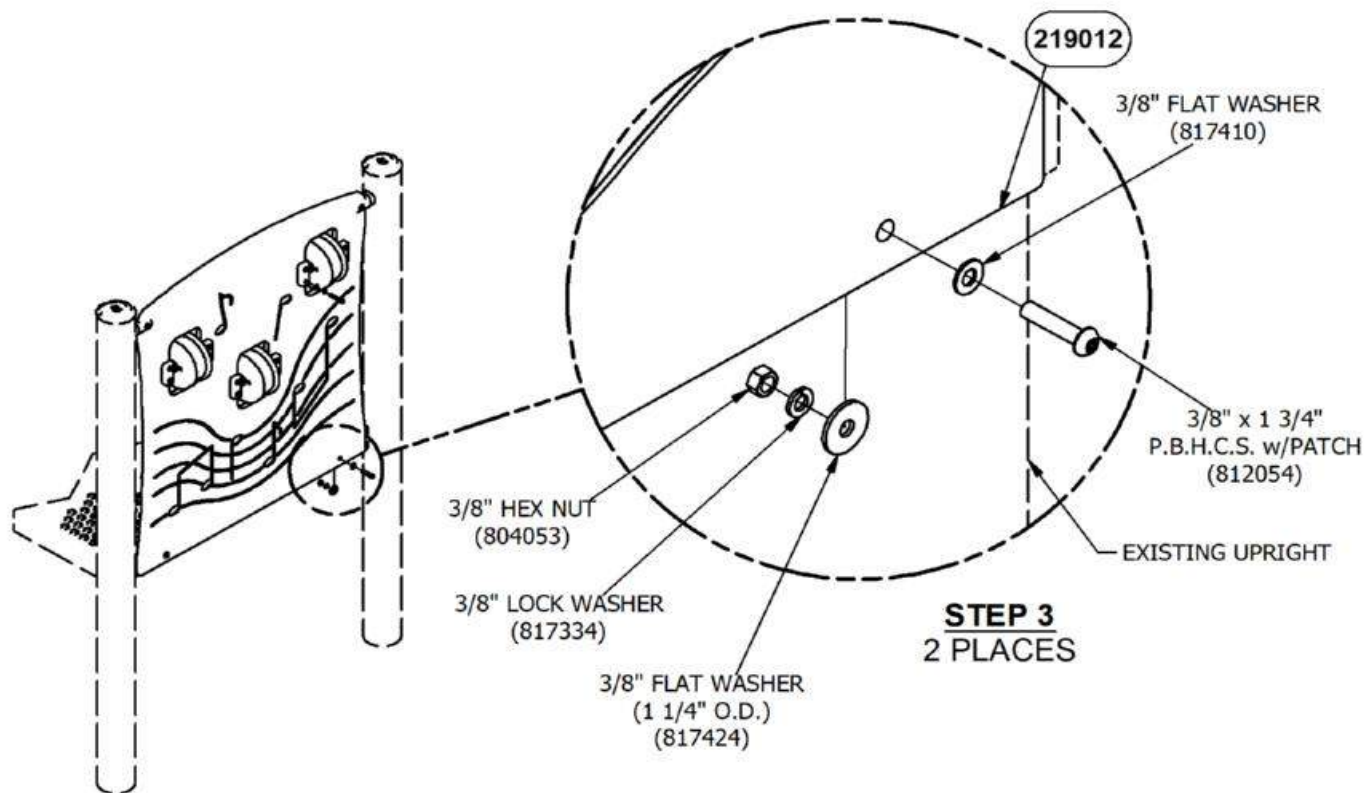
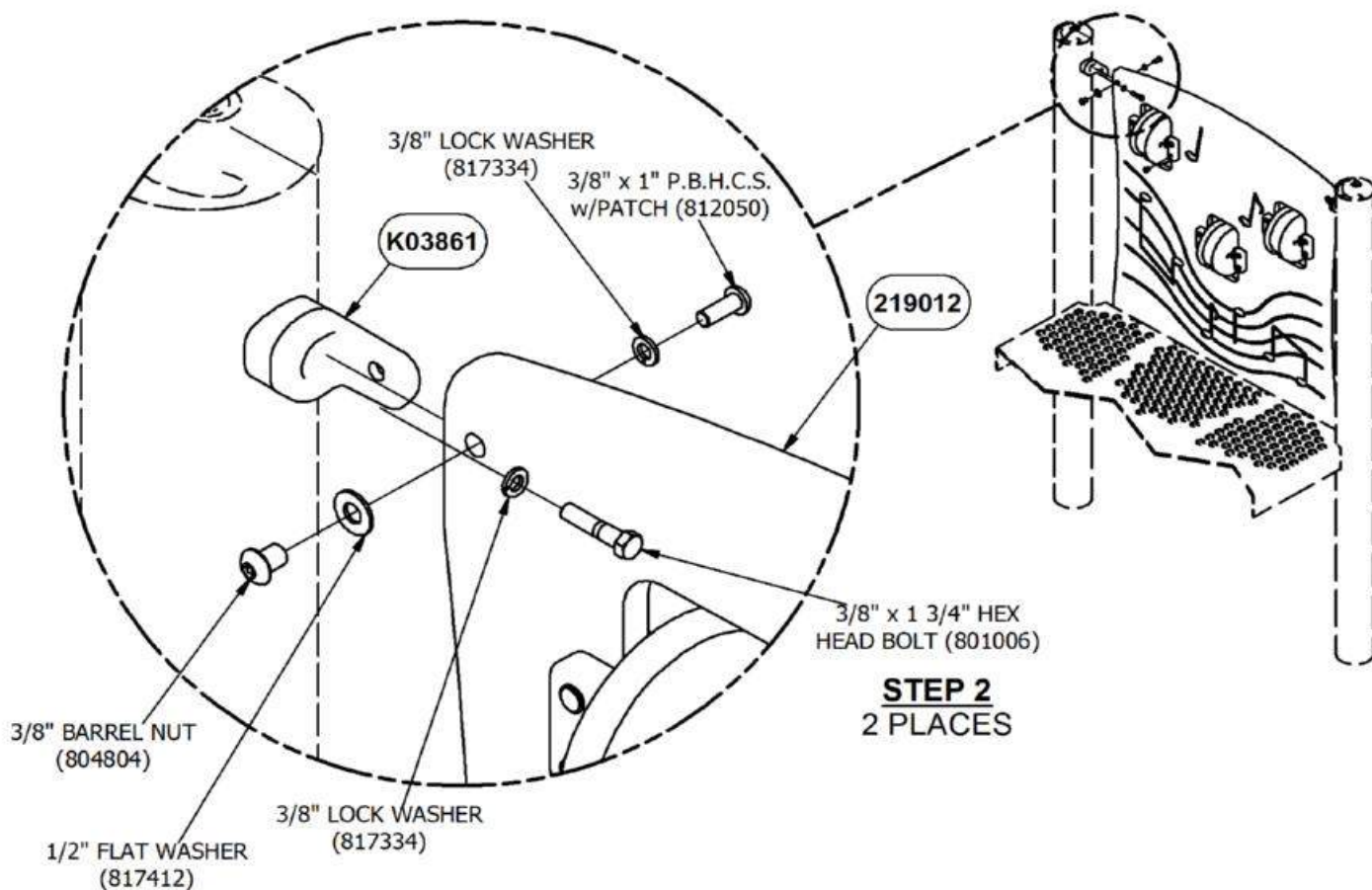
STEP 1
12 PLACES



STEP 1
BACK OF PANEL

DETAIL VIEW

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



DETAIL VIEW

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

Parts List		
DESCRIPTION	QTY	PART NUMBER
MARACABASAS PANEL	1	219012
MARACABASAS PANEL INSERT	1	219008
TRU-LOC PANEL ATTACHMENT	2	K03861
HARDWARE COVER	12	219009
HARDWARE COMPLETE	1	220247
3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
3/8" x 1 3/4" HEX HEAD BOLT	2	801006*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
3/8" LOCK WASHER	6	817334*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" BARREL NUT	2	804804*
3/8" HEX NUT	2	804053*
5/16" x 2 1/4" P.B.H.C.S. w/PATCH	12	812086*
5/16" LOCK WASHER	12	817330*
1/2" FLAT WASHER	2	817412*
5/16" FLAT WASHER (5/8" O.D.)	12	817406*
NUT 5/16"- INSERT TYPE 1	12	HWN0149*

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

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

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

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

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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ISSUED/REVISED: 3/4/2024

91711 MODERN TRANSFER PLATFORM w/ GUARDRAIL

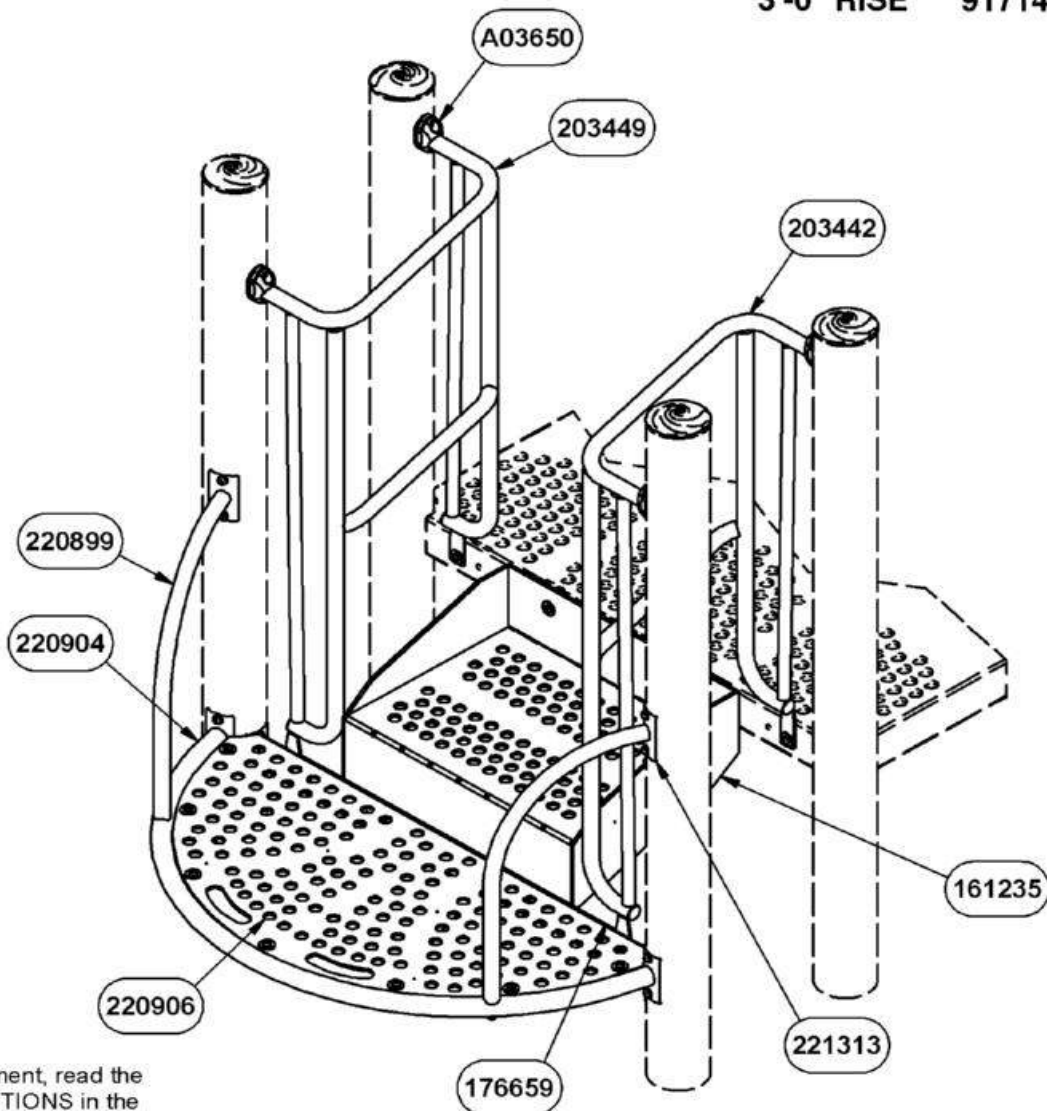


91711



91711
91712
91713
91714

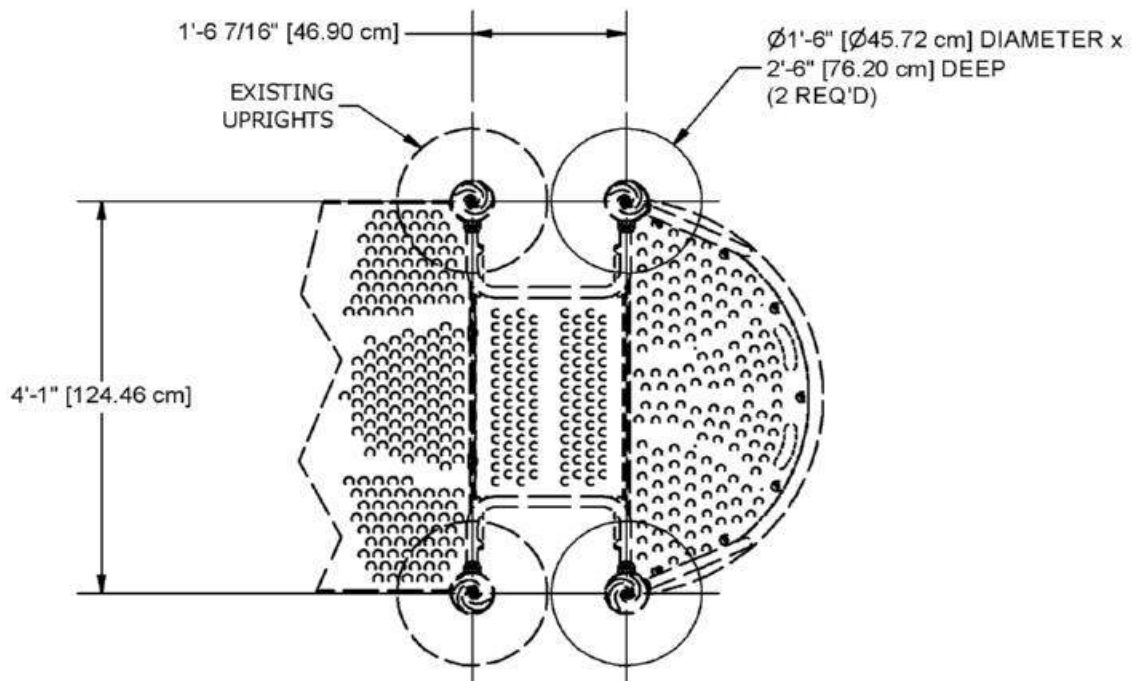
1'-0" RISE	91711
2'-0" RISE	91712
2'-6" RISE	91713
3'-0" RISE	91714



INSTALLATION INSTRUCTIONS

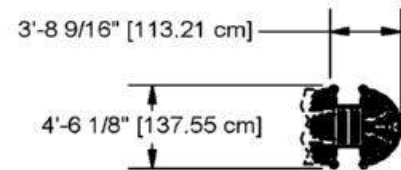
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
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ASSEMBLY VIEW

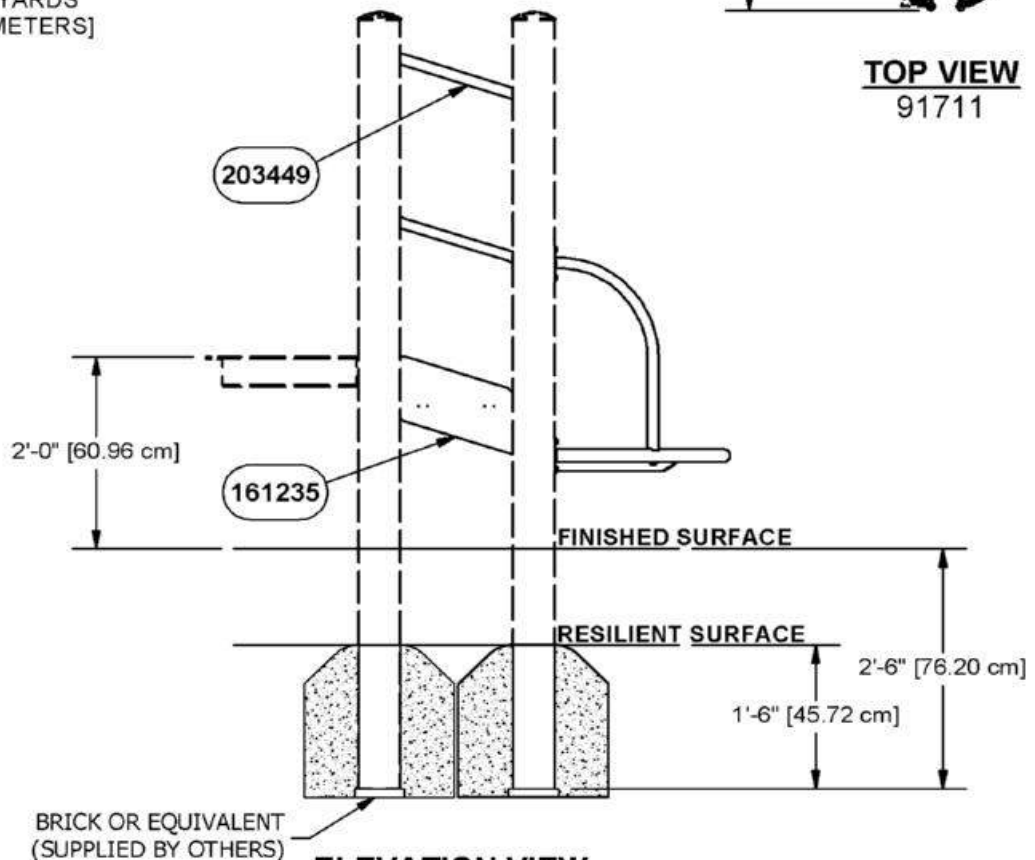


NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

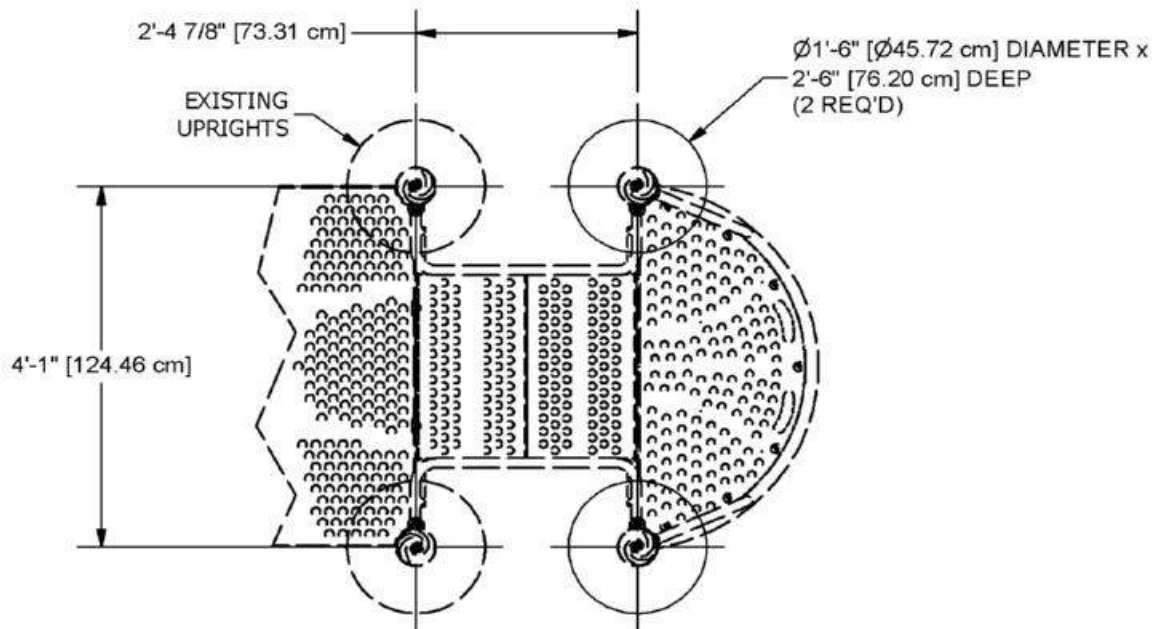
CONCRETE REQUIRED
21 CUBIC YARDS
[16 CUBIC METERS]



TOP VIEW
91711



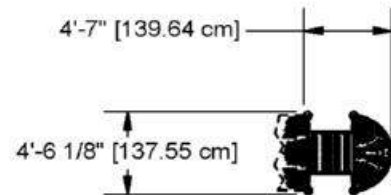
ELEVATION VIEW
91711



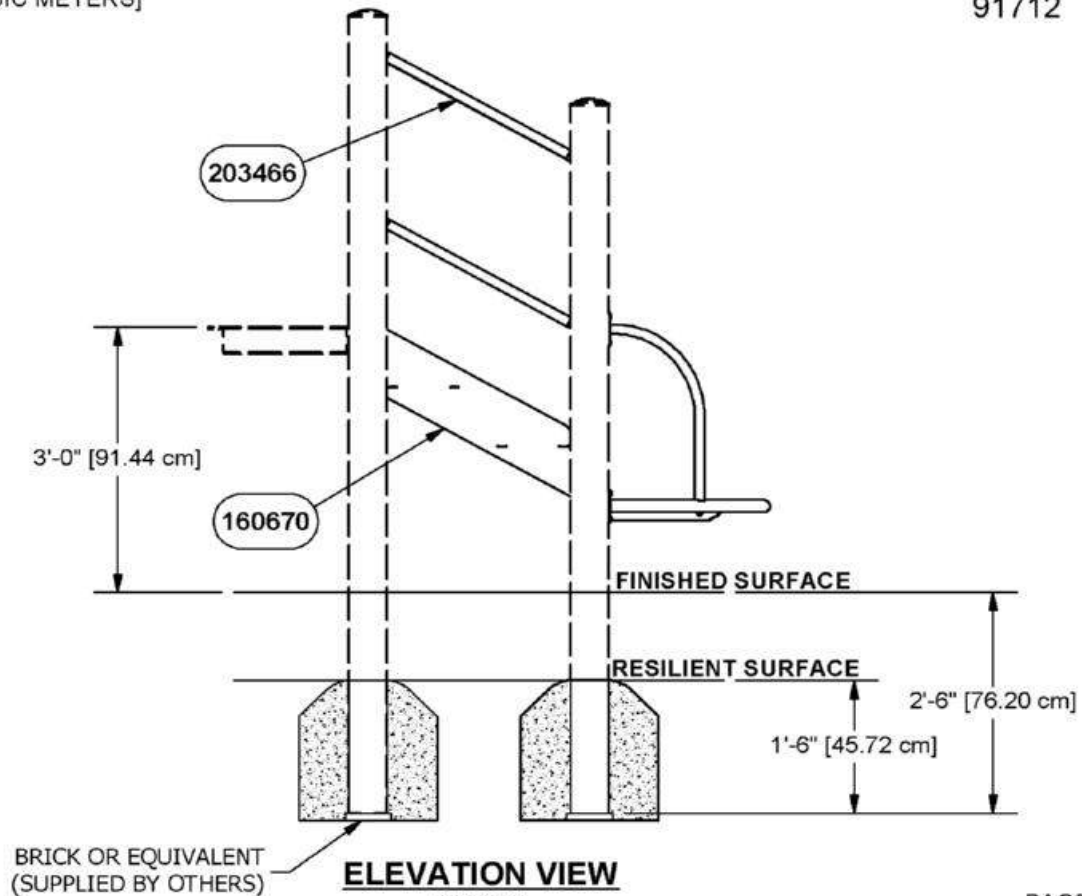
PLAN VIEW
91712

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

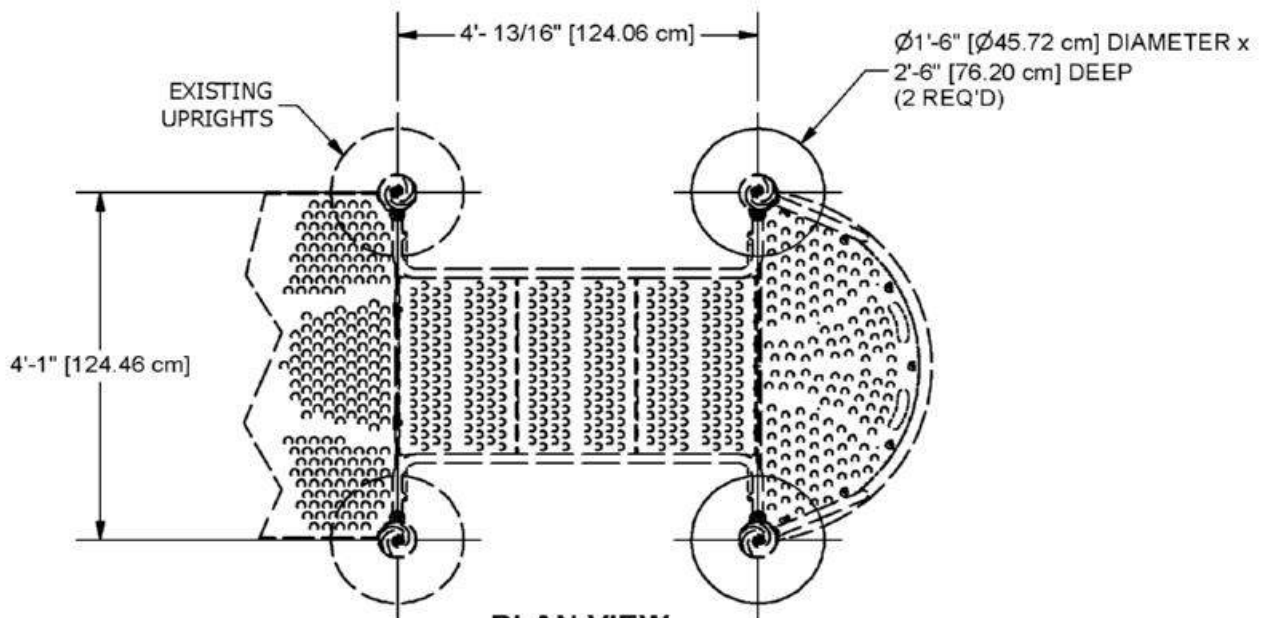
CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]



TOP VIEW
91712

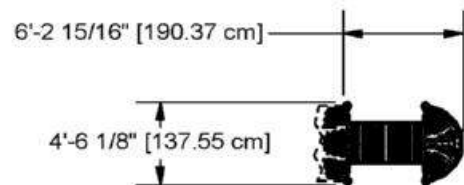


ELEVATION VIEW
91712



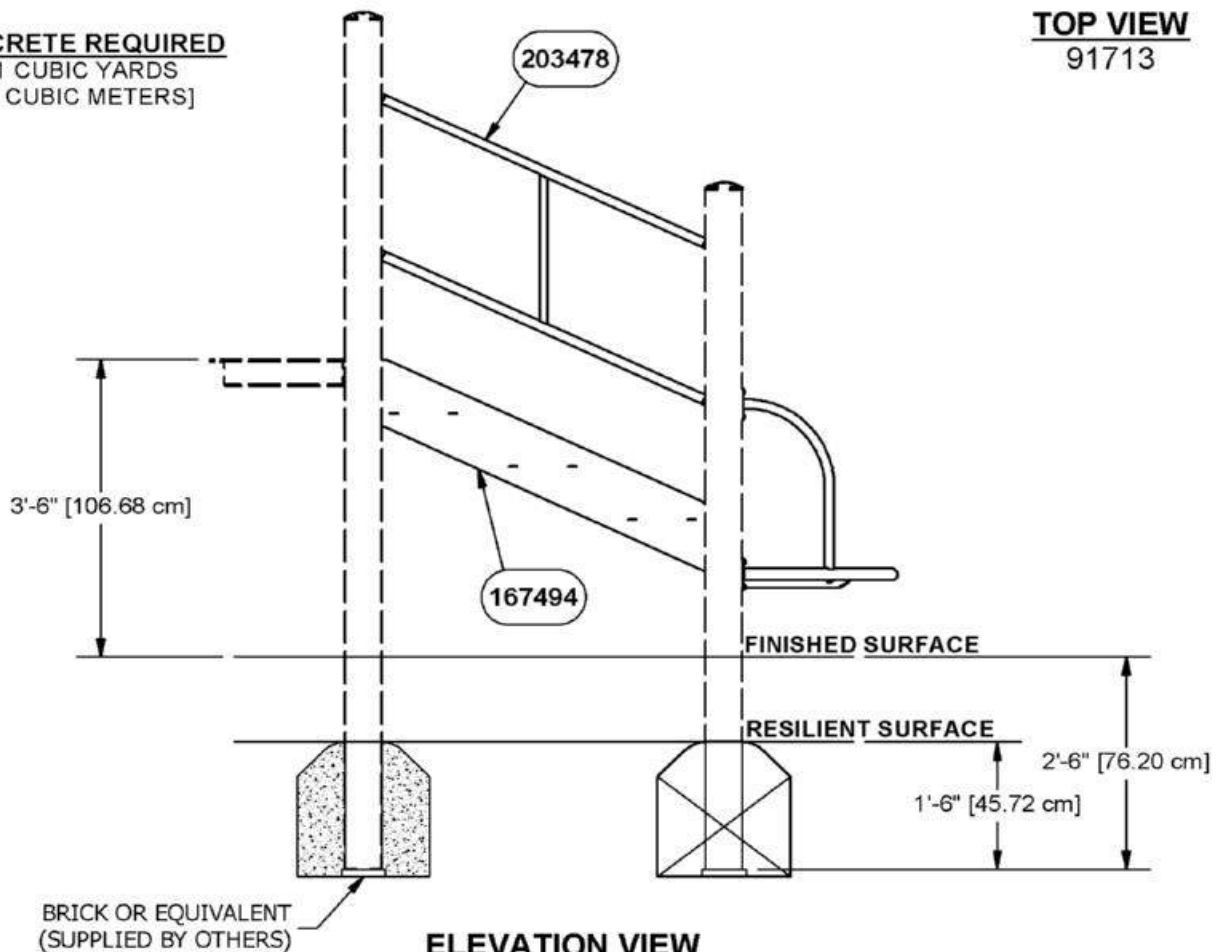
PLAN VIEW
91713

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

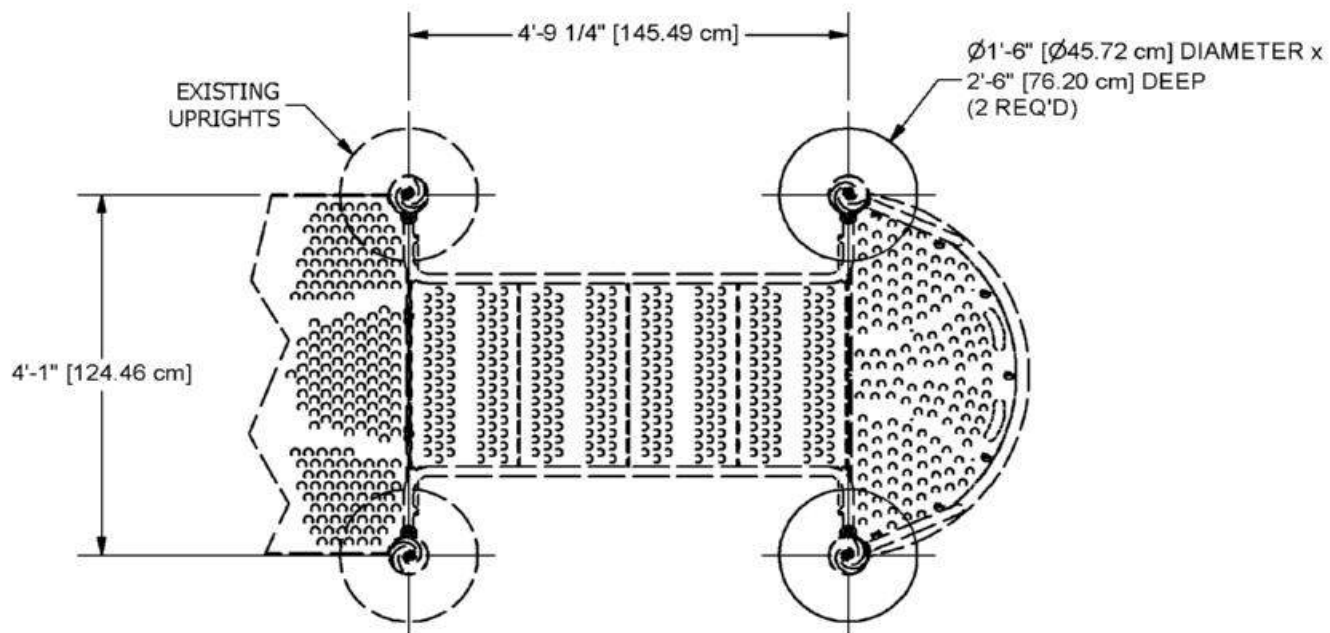


TOP VIEW
91713

CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]



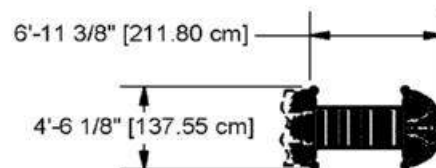
ELEVATION VIEW
91713



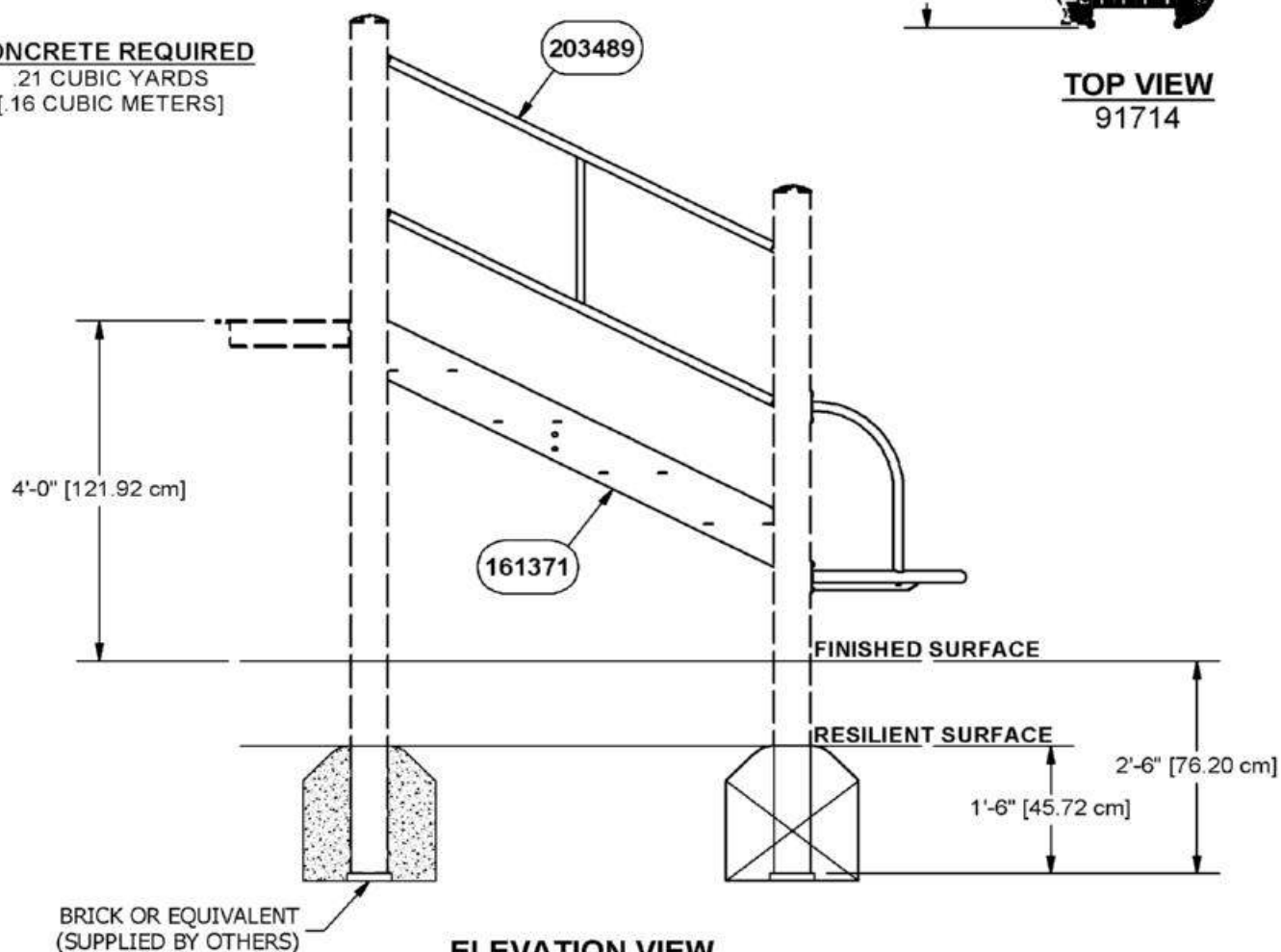
PLAN VIEW
91714

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

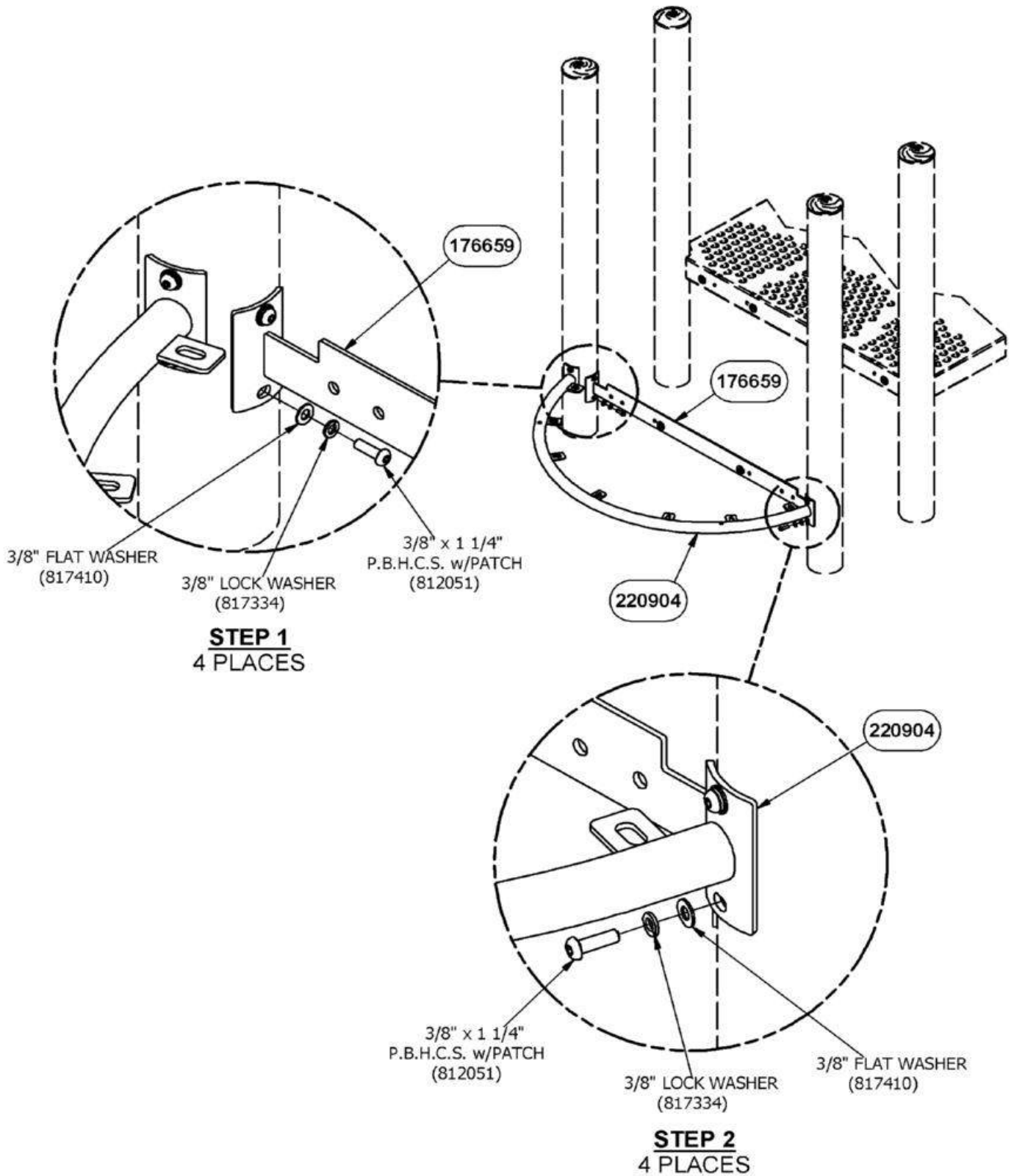
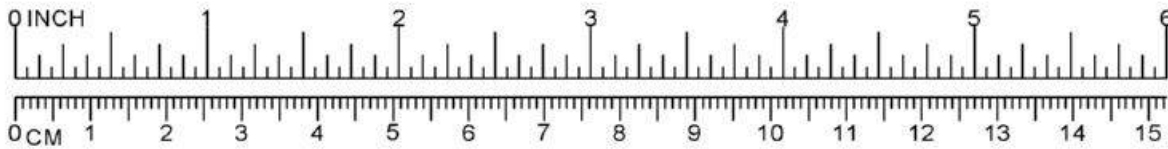
CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]

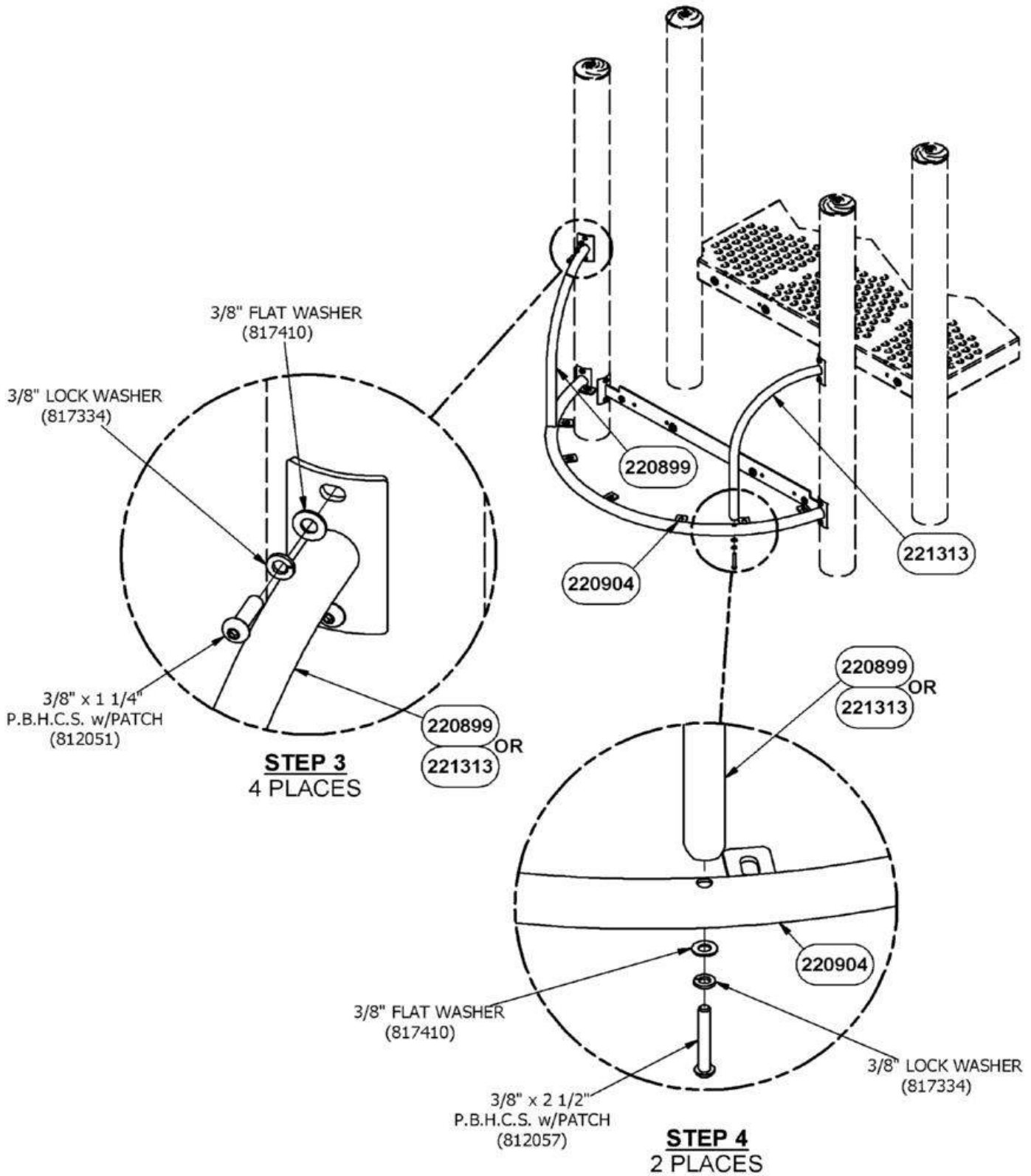
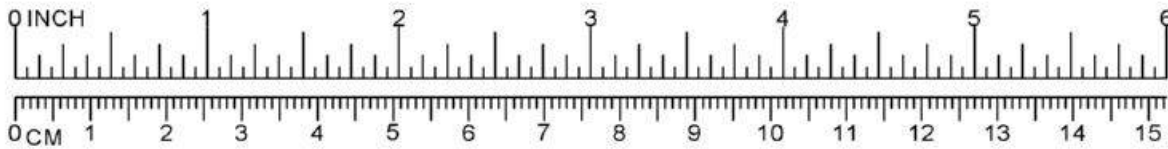


TOP VIEW
91714



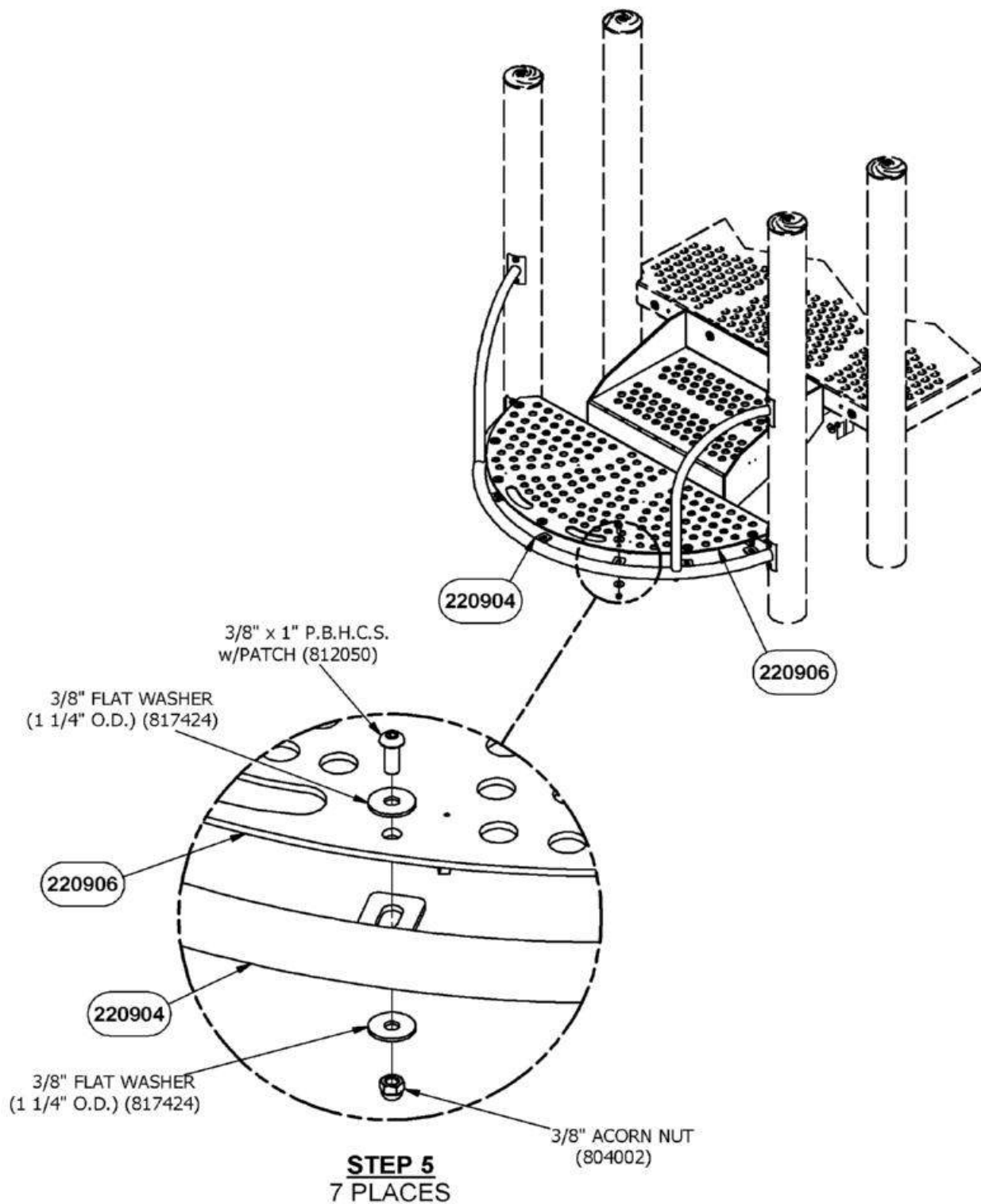
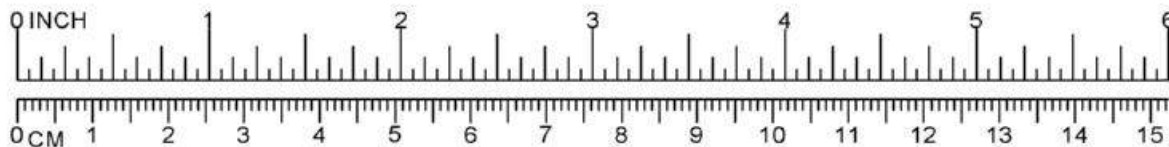
ELEVATION VIEW
91714





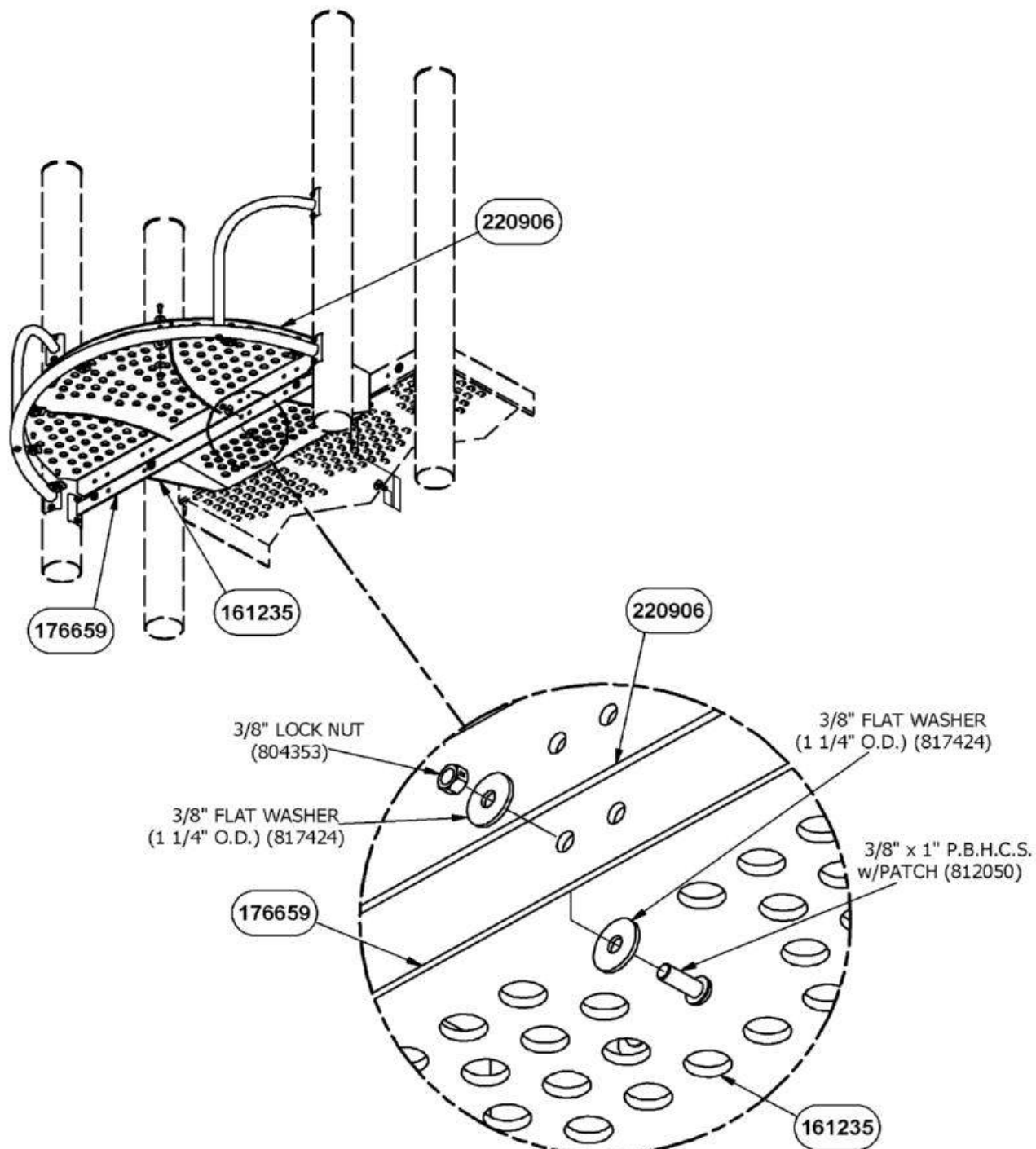
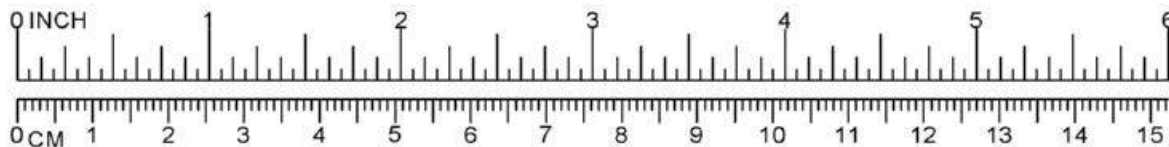
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

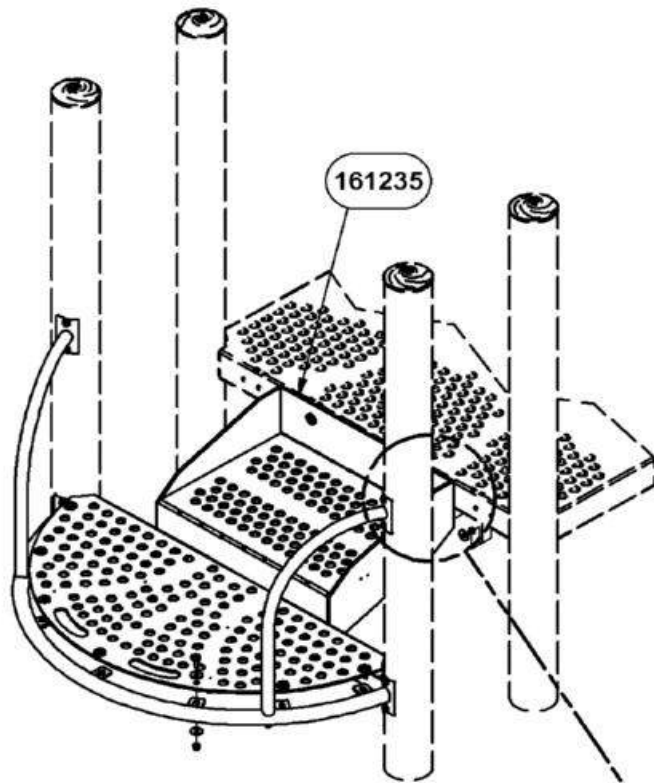
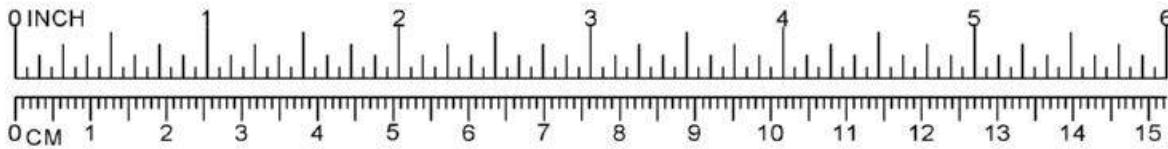
DETAIL VIEW



STEP 6
2 PLACES

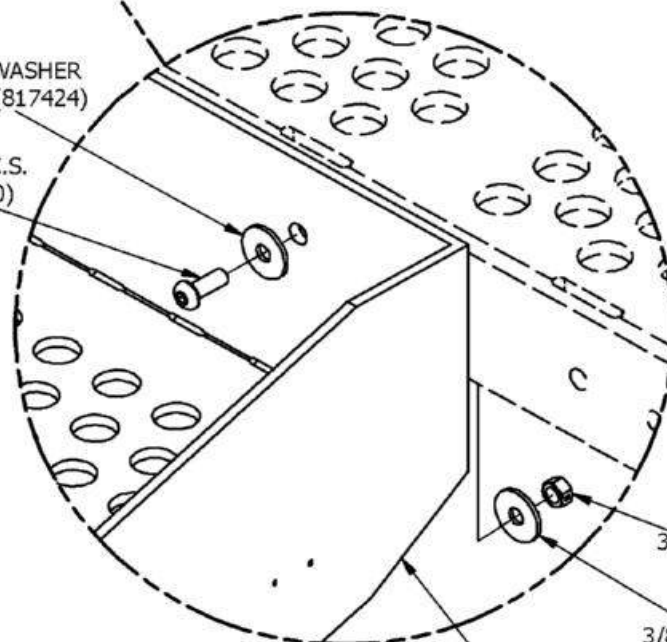
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW



3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" x 1" P.B.H.C.S.
w/PATCH (812050)



3/8" LOCK NUT
(804353)

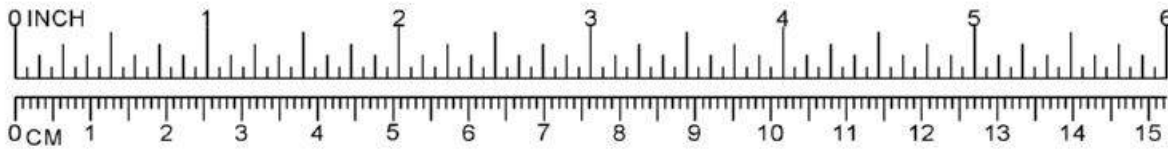
3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

161235

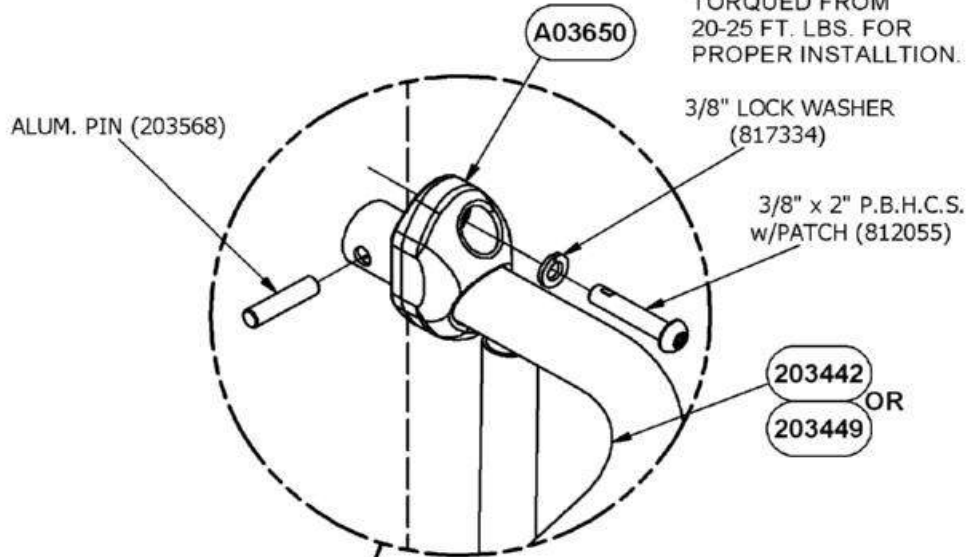
STEP 7
2 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



***NOTE:**
BOLT SHOULD BE
TORQUED FROM
20-25 FT. LBS. FOR
PROPER INSTALLTION.

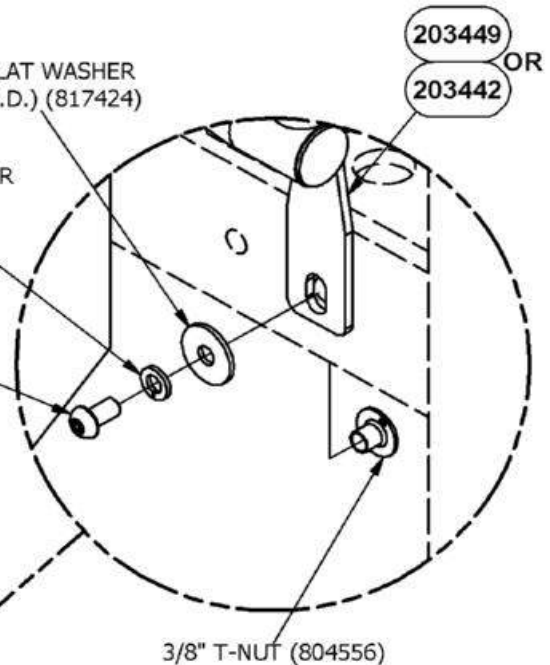
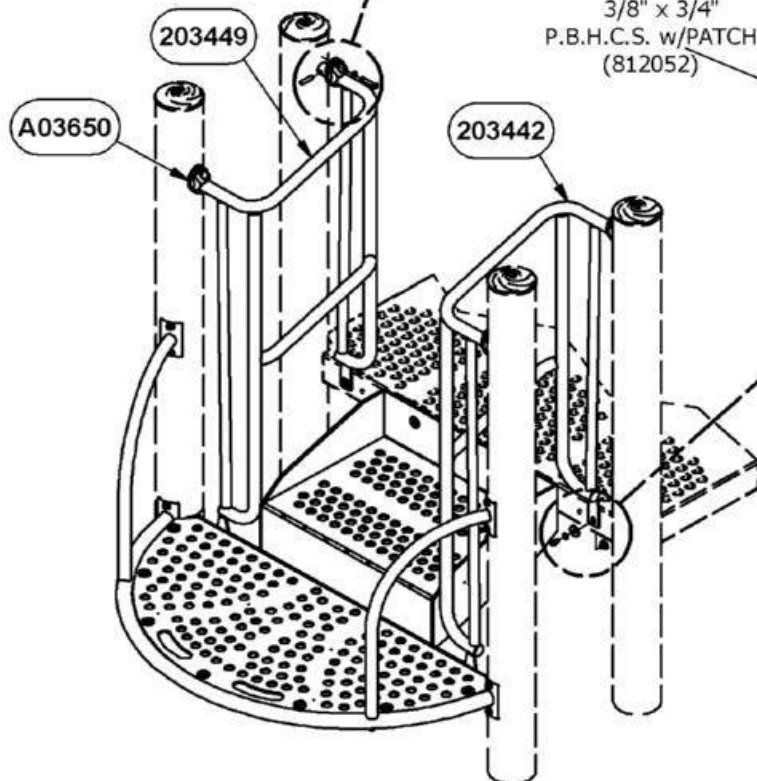


STEP 8
4 PLACES

3/8" FLAT WASHER
(1 1/4" O.D.) (817424)

3/8" LOCK WASHER
(817334)

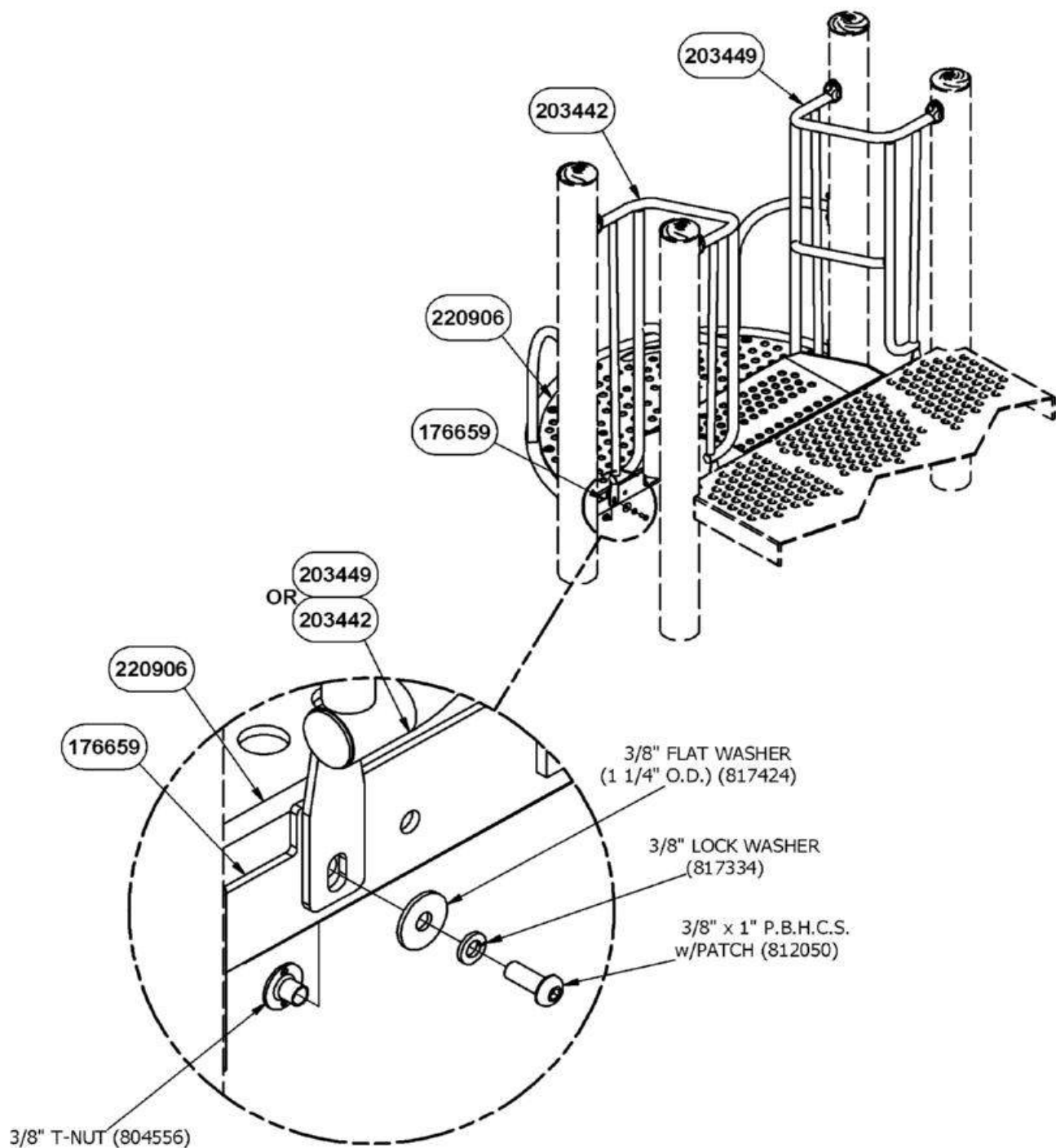
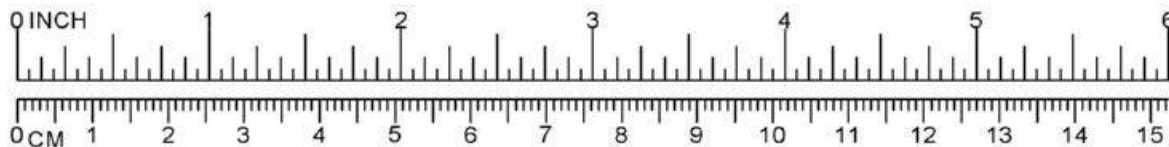
3/8" x 3/4"
P.B.H.C.S. w/PATCH
(812052)



STEP 9
2 PLACES

**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

DETAIL VIEW



STEP 10
2 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List					
DESCRIPTION	91711	91712	91713	91714	PART NUMBER
TRU-LOC	4	4	4	4	A03650
COATED PLATFORM	1	1	1	1	220906
1' COATED STEPLINK	1	0	0	0	161235
3' COATED STEPLINK	0	0	0	1	161371
STEP ASSEMBLY	0	1	0	0	160670
STEP ASSEMBLY	0	0	1	0	167494
RIGHT GUARDRAIL WELD ASSEMBLY	1	0	0	0	203442
RIGHT GUARDRAIL WELD ASSEMBLY	0	1	0	0	203460
RIGHT GUARDRAIL WELD ASSEMBLY	0	0	1	0	203472
RIGHT GUARDRAIL WELD ASSEMBLY	0	0	0	1	203483
LEFT GUARDRAIL WELD ASSEMBLY	1	0	0	0	203449
LEFT GUARDRAIL WELD ASSEMBLY	0	1	0	0	203466
LEFT GUARDRAIL WELD ASSEMBLY	0	0	1	0	203478
LEFT GUARDRAIL WELD ASSEMBLY	0	0	0	1	203489
PLATFORM SUPPORT WELD ASSEMBLY	1	1	1	1	220904
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	220899
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	221313
RAMP SUPPORT	1	1	1	1	176659
HARDWARE COMPLETE	1	1	1	1	221342
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	13	13	13	13	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	12	12	12	12	812051*
3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	812055*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	812057*
3/8" FLAT WASHER	14	14	14	14	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	26	26	26	26	817424*
3/8" LOCK WASHER	22	22	22	22	817334*
3/8" T-NUT	4	8	8	8	804556*
3/8" ACORN NUT	7	7	7	7	804002*
ALUM. PIN	4	4	4	4	203568*
3/8" LOCK NUT	4	4	4	4	804353*

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

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

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

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

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.

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 all metal parts for rust, paint loss and touch-up if necessary with paint.
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- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
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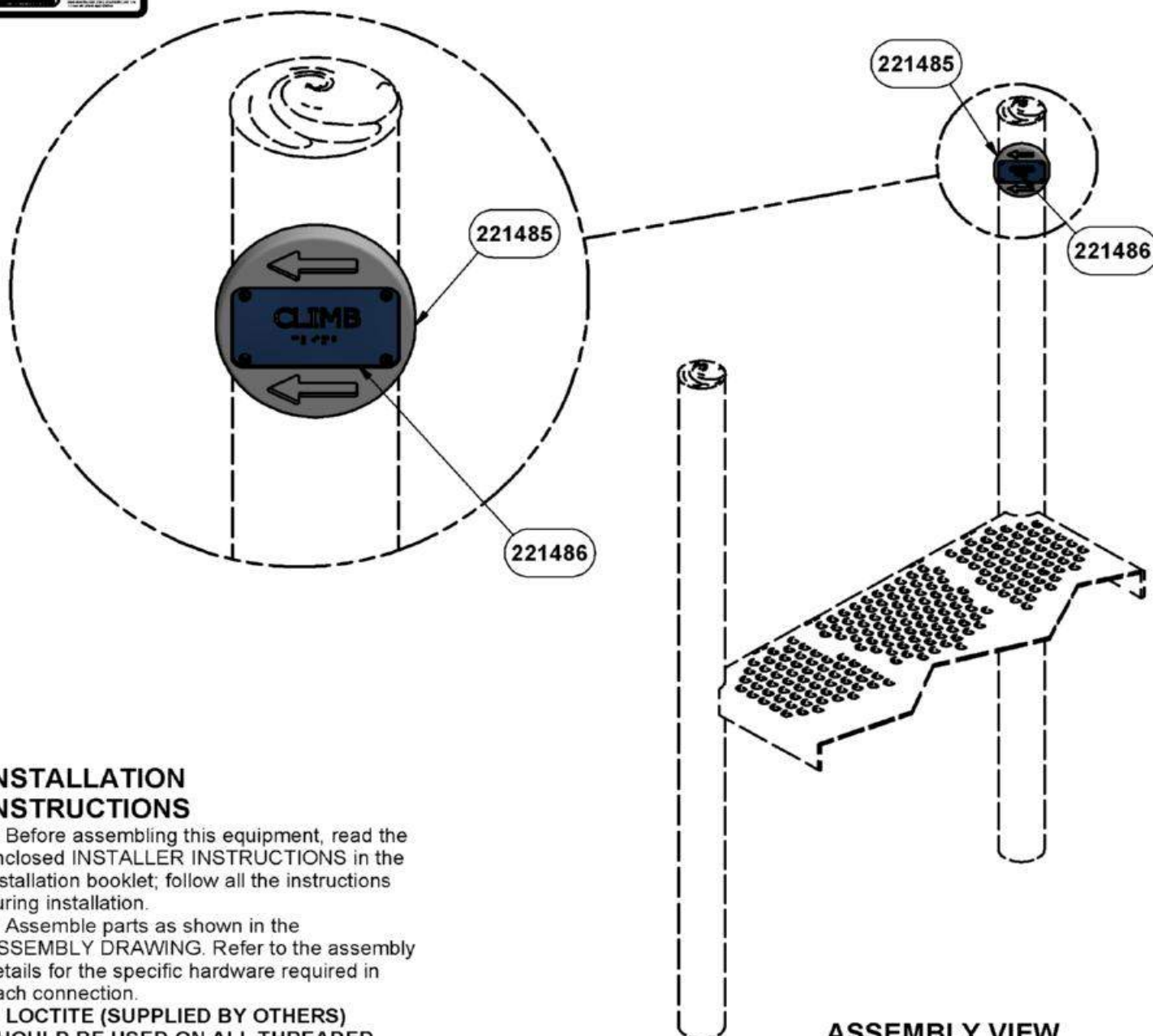
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ISSUED/REVISED: 9/7/2022

91721 BRAILLE WAYFINDER SIGN



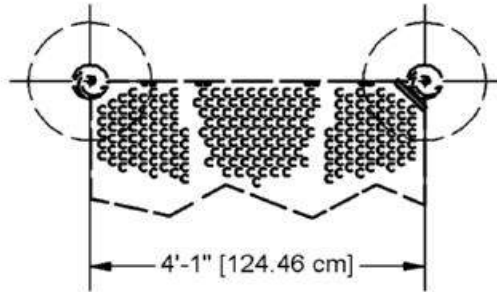
WAYFINDER SIGN - "CLIMB"	91721
WAYFINDER SIGN - "SLIDE"	91722
WAYFINDER SIGN - "STEP"	91723
WAYFINDER SIGN - "MUSIC"	91724
WAYFINDER SIGN - "RAMP"	91725



INSTALLATION INSTRUCTIONS

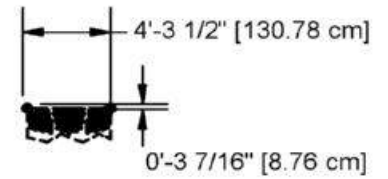
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3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

ASSEMBLY VIEW
91721 SHOWN
OTHERS SIMILAR

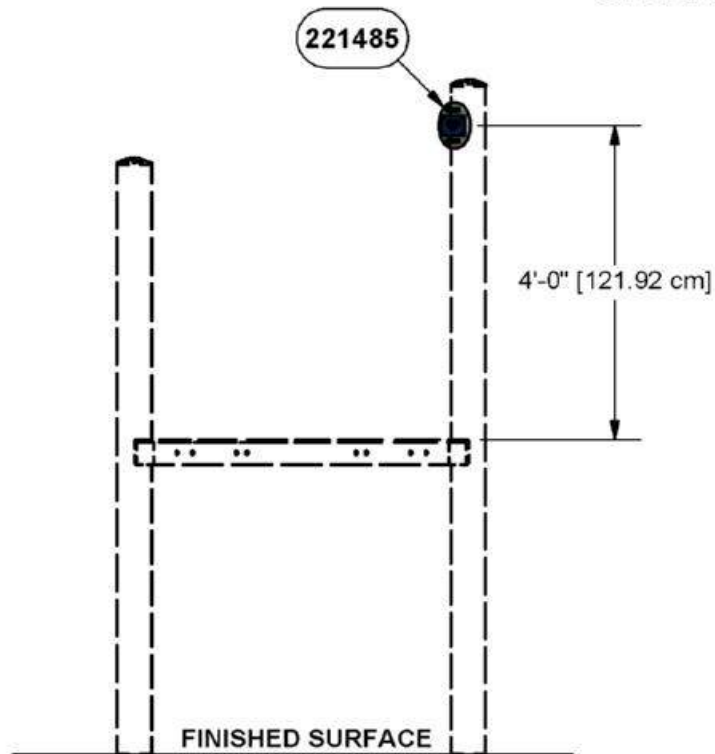


PLAN VIEW
91721 SHOWN
OTHERS SIMILAR

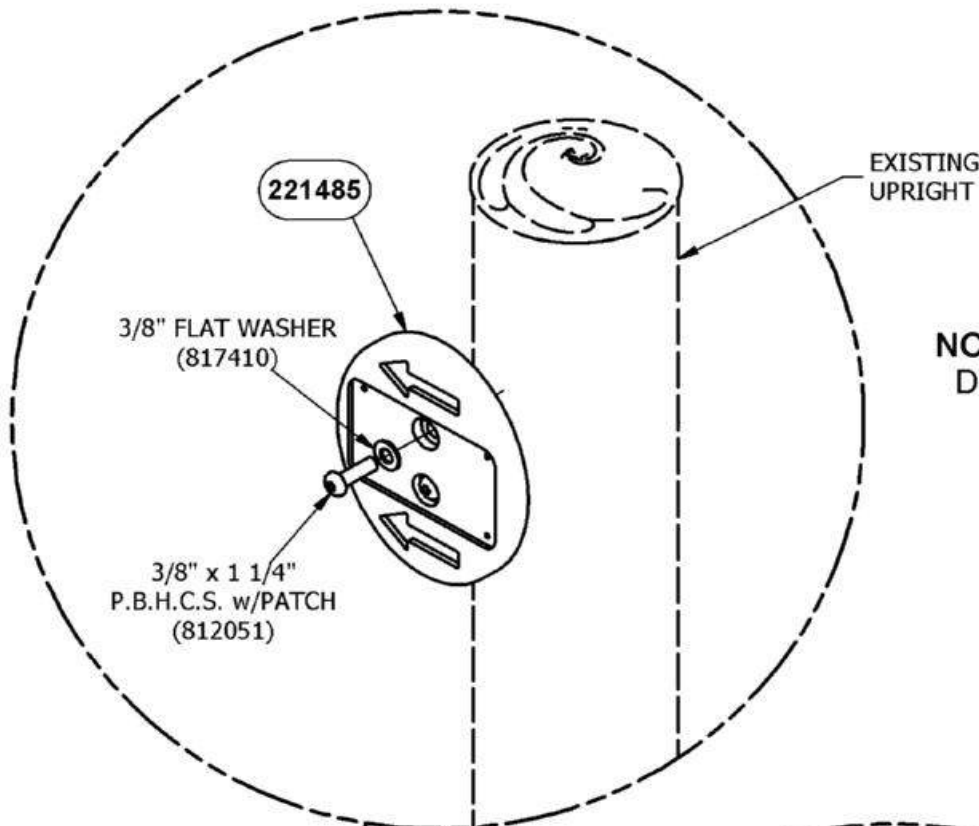
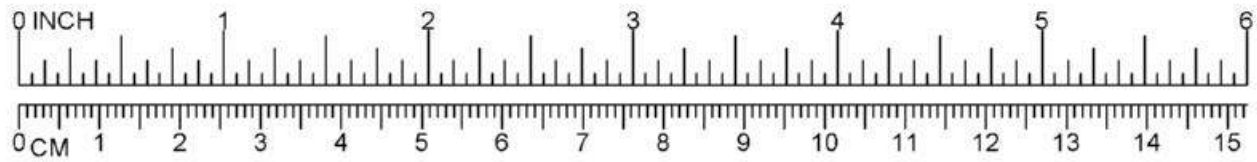
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
91721 SHOWN
OTHERS SIMILAR

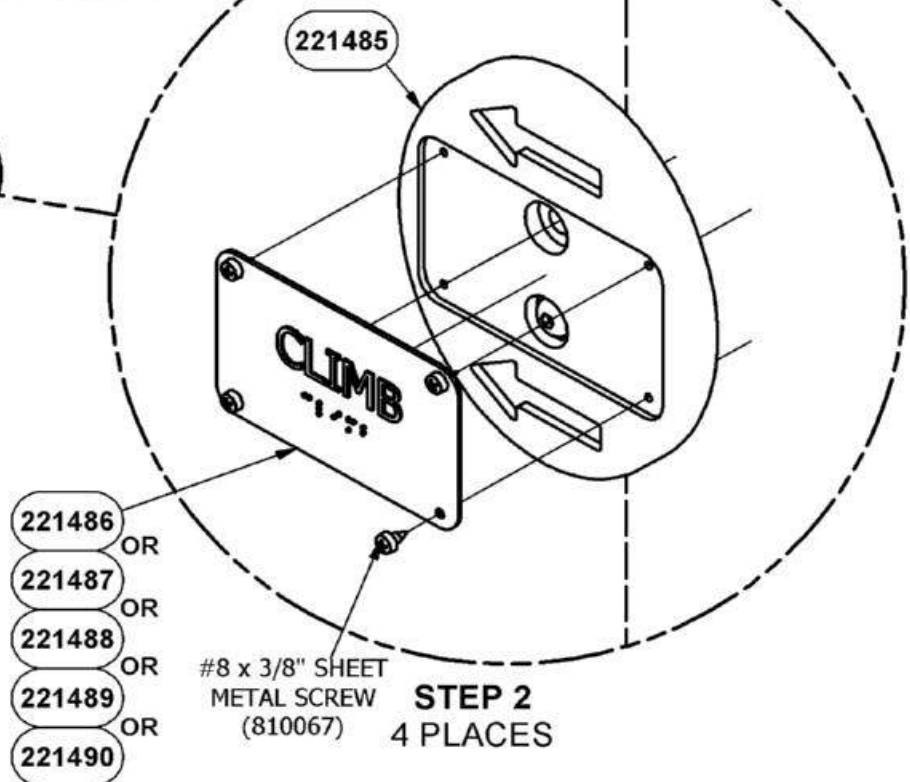
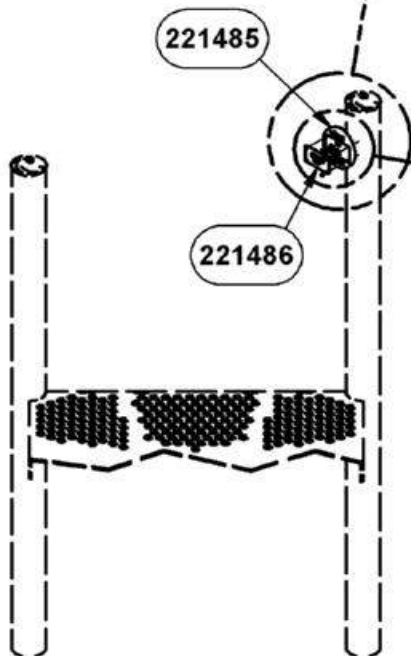


ELEVATION VIEW
91721 SHOWN
OTHERS SIMILAR



NOTE: MOUNT ARROWS IN
DIRECTION OF ACTIVITY
BEFORE ATTACHING
BRAILLE.

STEP 1
2 PLACES



STEP 2
4 PLACES

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STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW

Parts List						
DESCRIPTION	91721	91722	91723	91724	91725	PART NUMBER
WAYFINDER PANEL	1	1	1	1	1	221485
CLIMB BRAILLE PANEL	1	0	0	0	0	221486
SLIDE BRAILLE PANEL	0	1	0	0	0	221487
STEP BRAILLE PANEL	0	0	1	0	0	221488
MUSIC BRAILLE PANEL	0	0	0	1	0	221489
RAMP BRAILLE PANEL	0	0	0	0	1	221490
HARDWARE COMPLETE	1	1	1	1	1	221491
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812051*
#8 x 3/8" SHEET METAL SCREW	4	4	4	4	4	810067*
3/8" FLAT WASHER	2	2	2	2	2	817410*

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* Included in Hardware*

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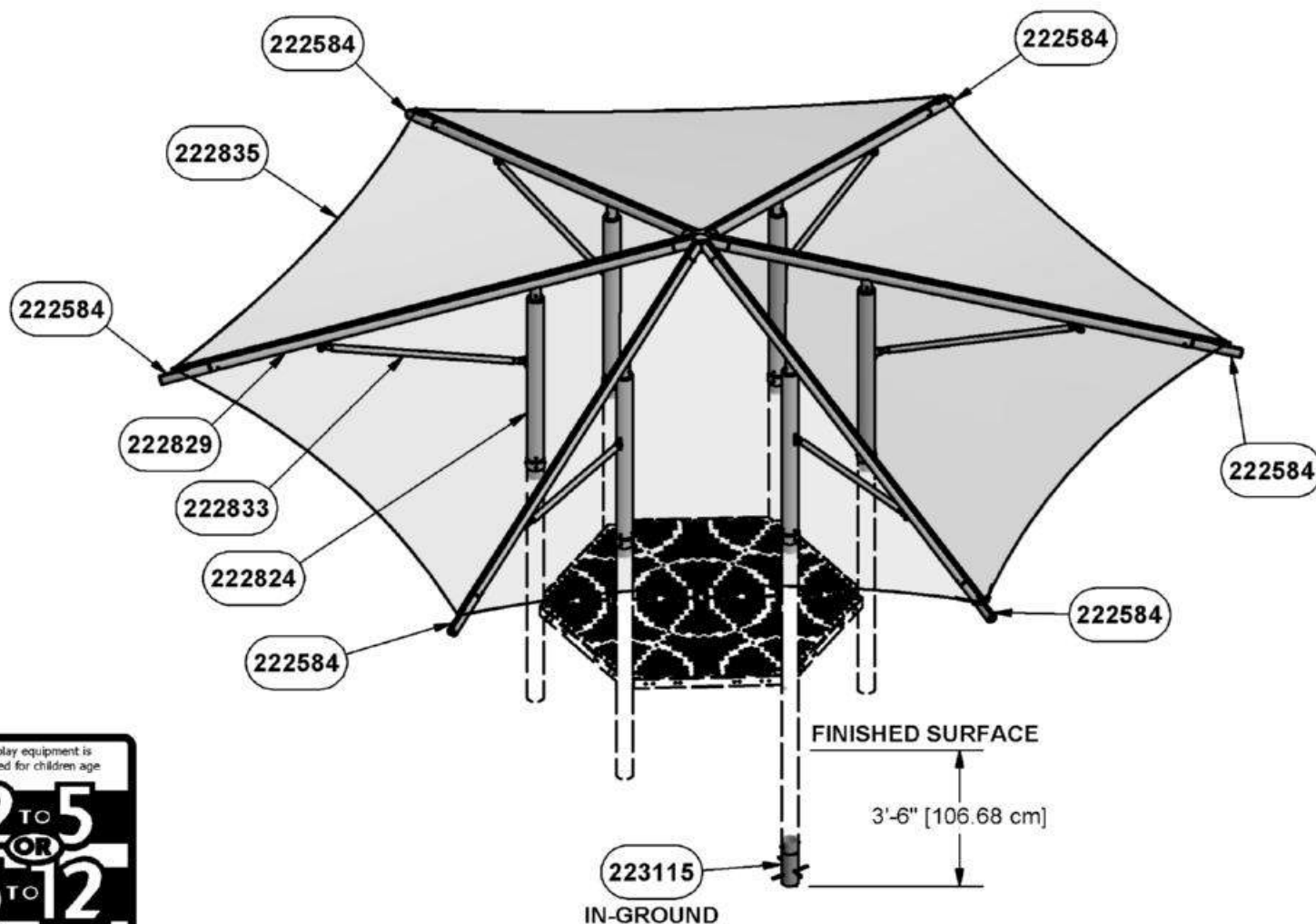
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- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

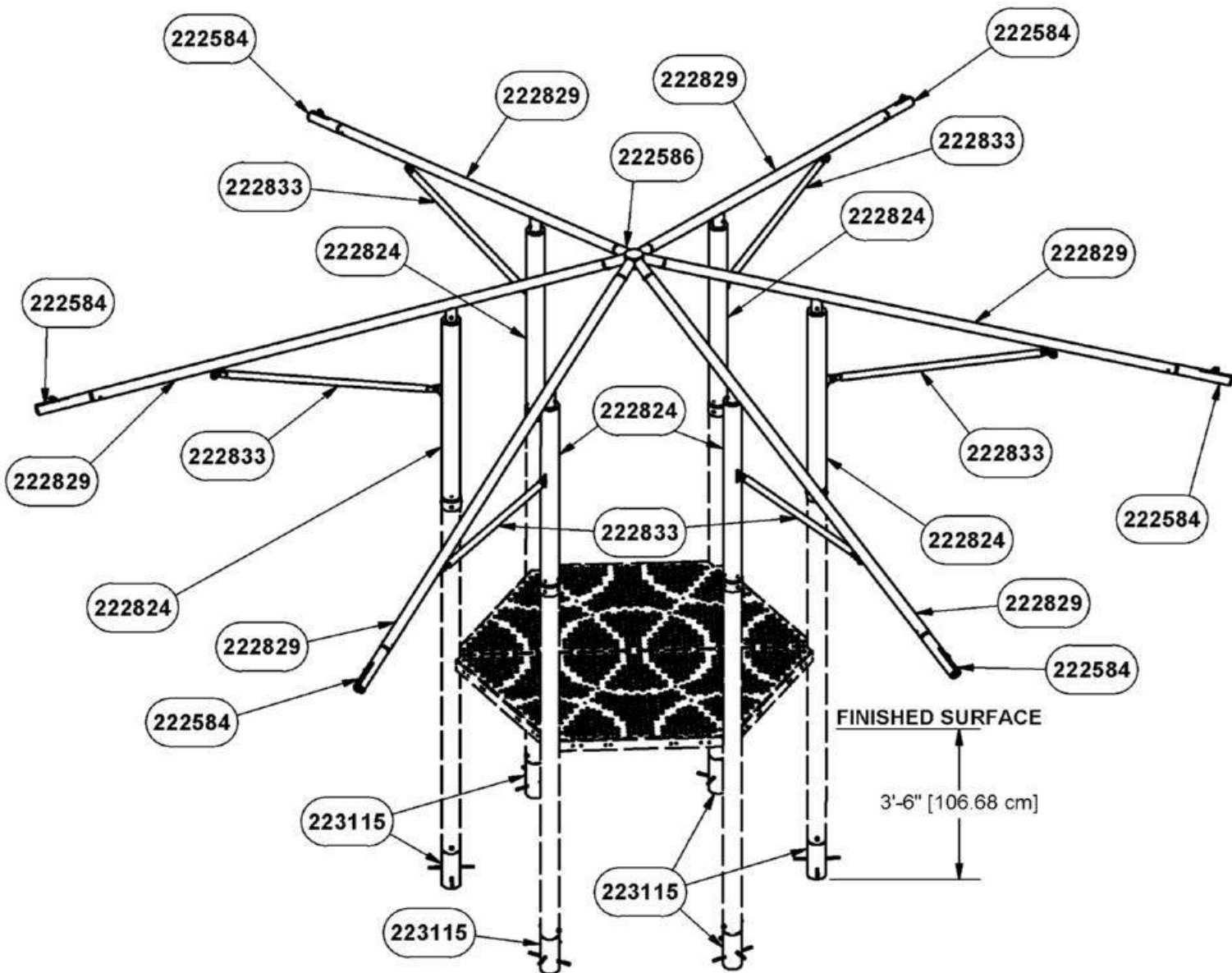


ASSEMBLY VIEW

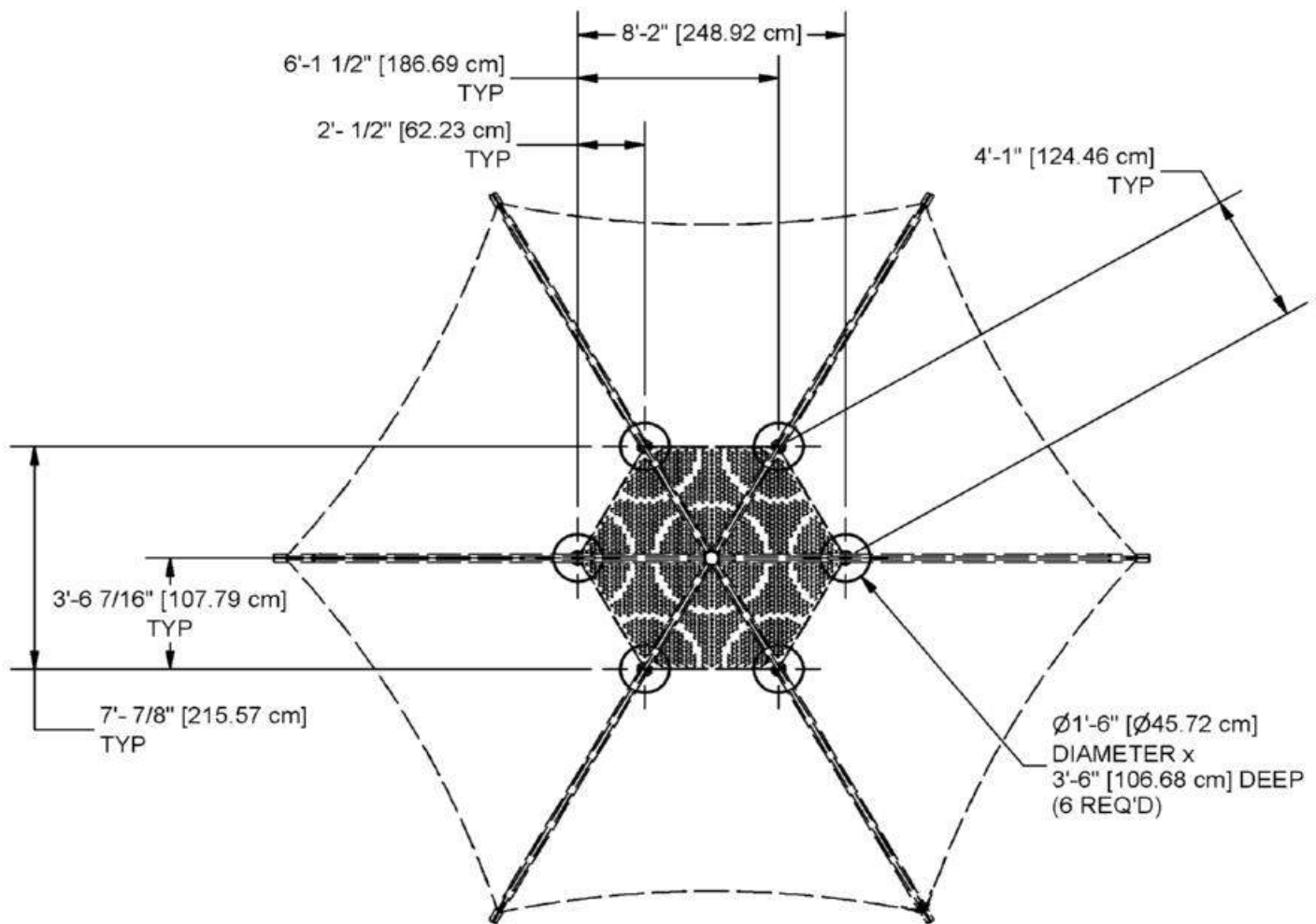


INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



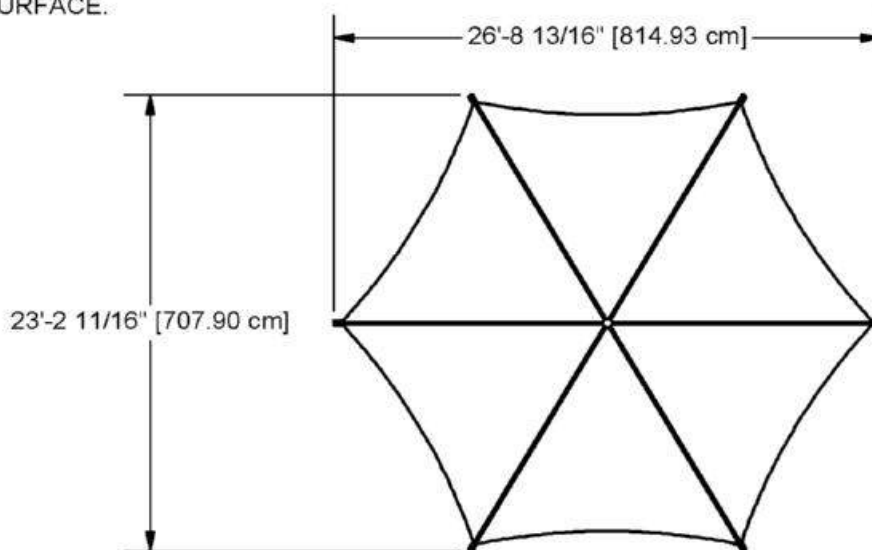
FRAME ASSEMBLY VIEW



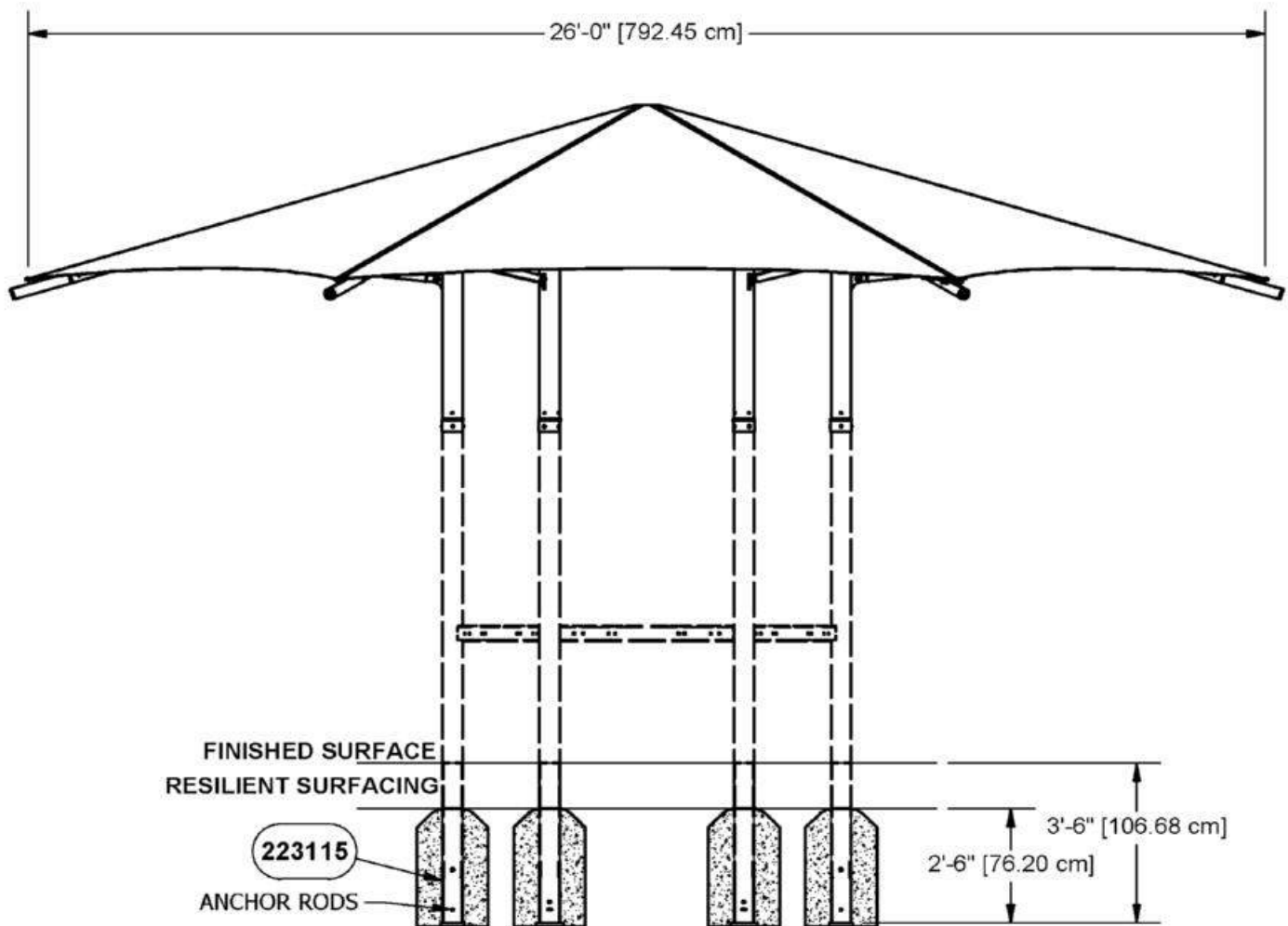
PLAN VIEW

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

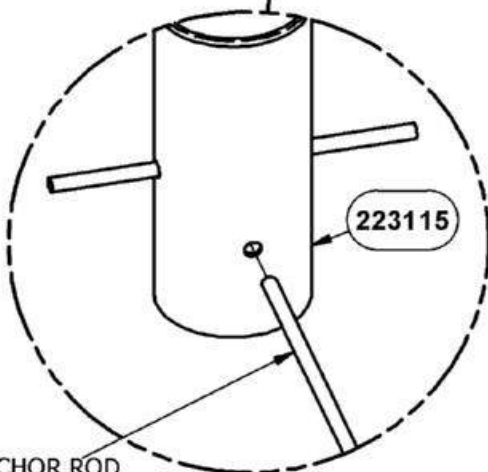
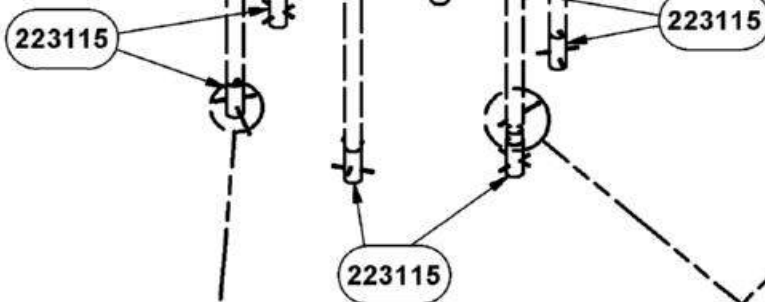
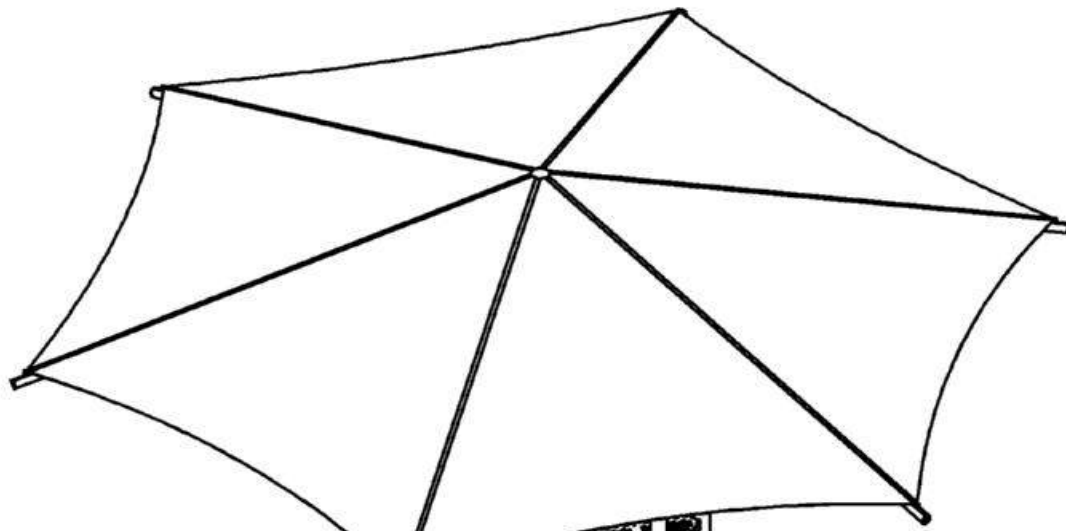
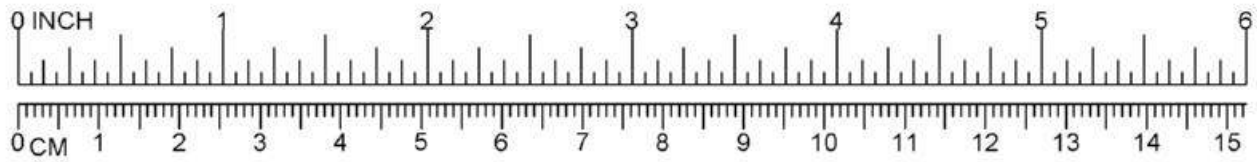
CONCRETE REQUIRED:
0.98 CUBIC YARDS
[0.75 CUBIC METERS]



TOP VIEW

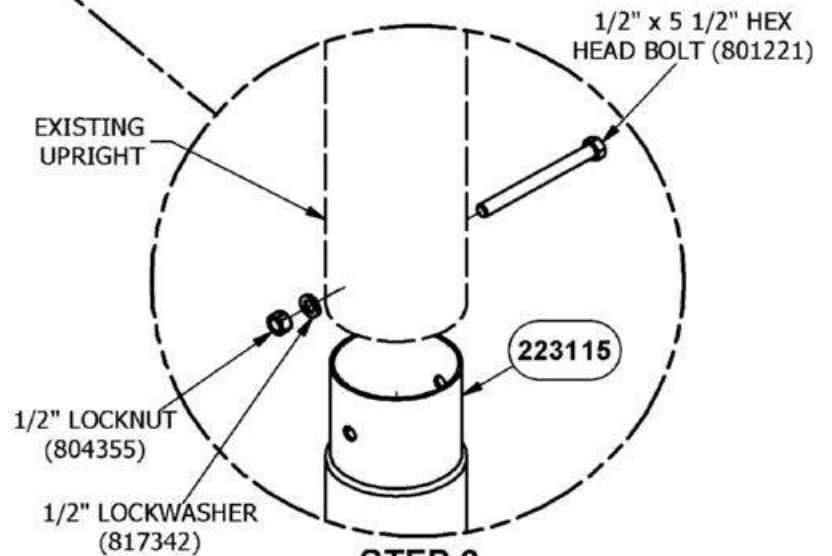


ELEVATION VIEW



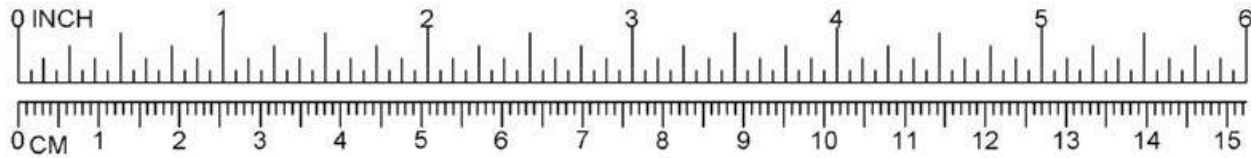
1/2" ANCHOR ROD
(135038)

STEP 1
12 PLACES

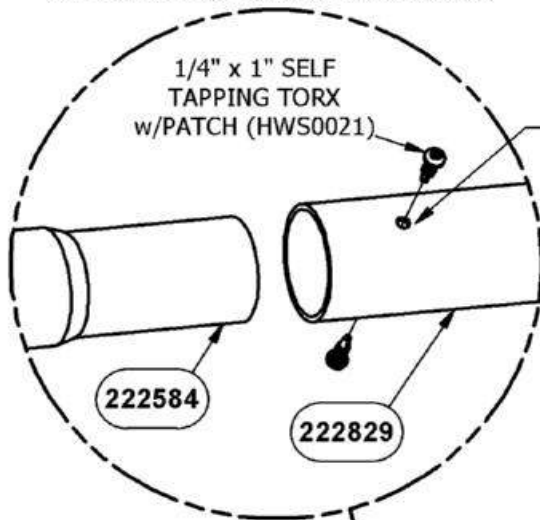


STEP 2
6 PLACES

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

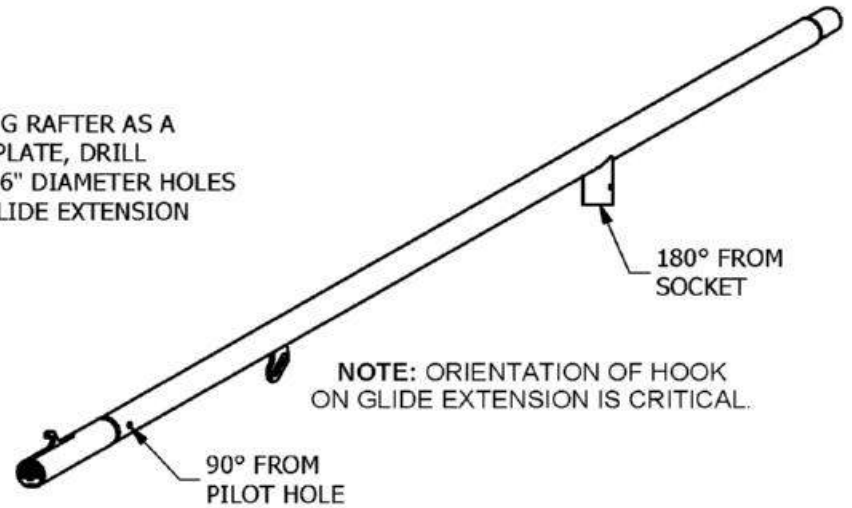


NOTE: ORIENTATION OF HOOK ON GLIDE EXTENSION IS CRITICAL.



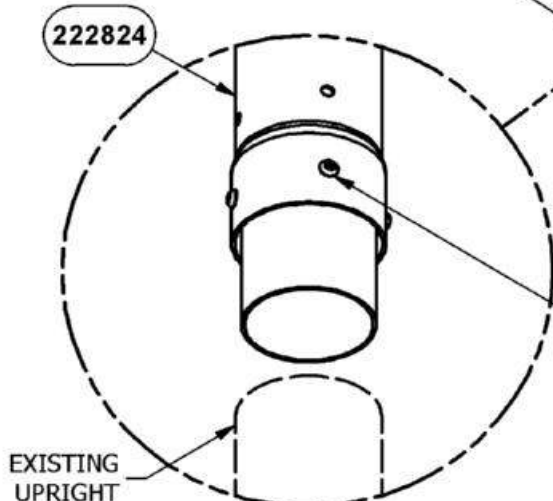
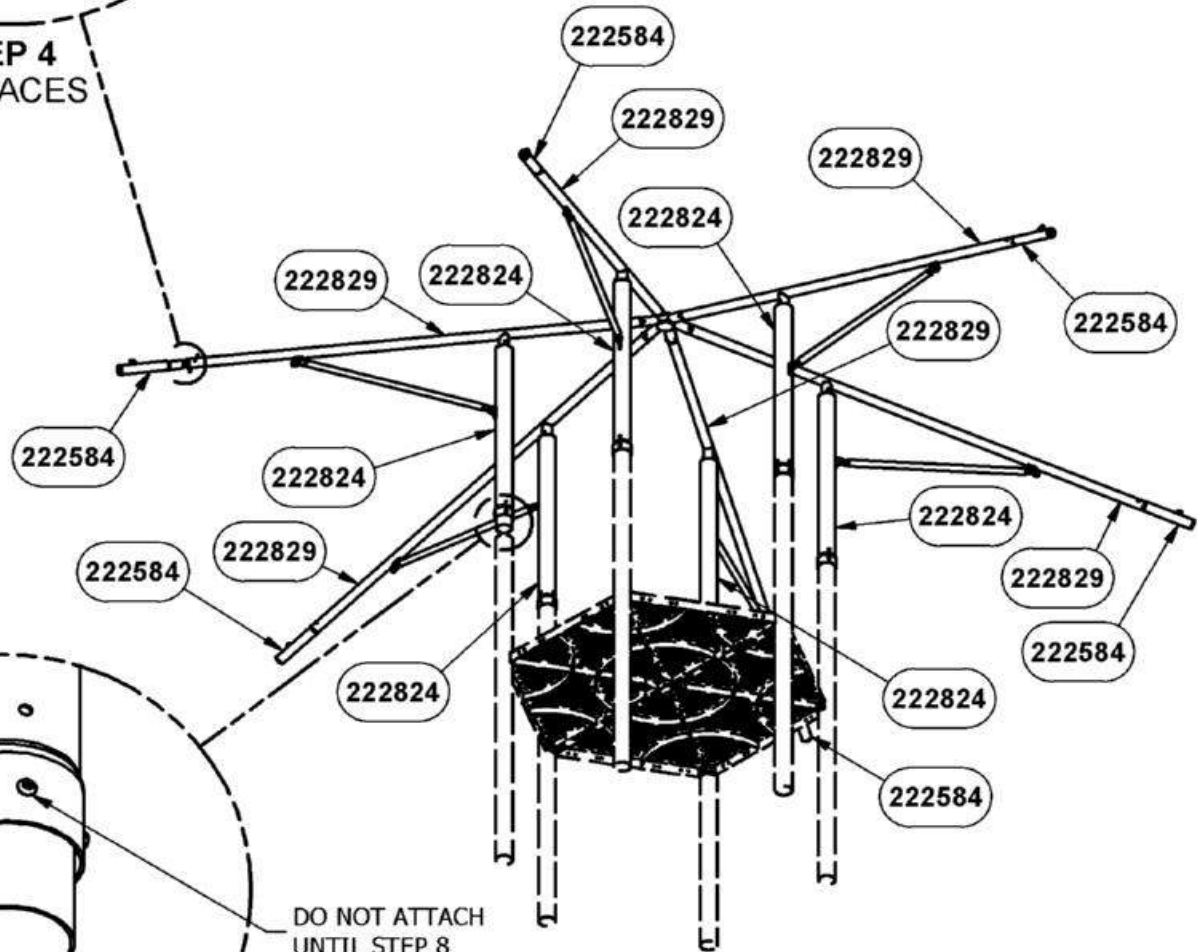
1/4" x 1" SELF TAPPING TORX w/PATCH (HWS0021)

USING RAFTER AS A TEMPLATE, DRILL Ø3/16" DIAMETER HOLES IN GLIDE EXTENSION



NOTE: ORIENTATION OF HOOK ON GLIDE EXTENSION IS CRITICAL.

STEP 4
12 PLACES

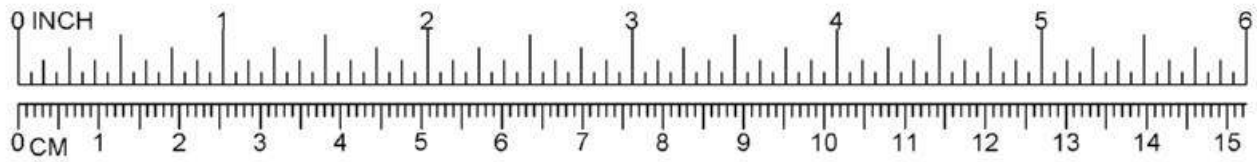


DO NOT ATTACH UNTIL STEP 8

STEP 3
6 PLACES

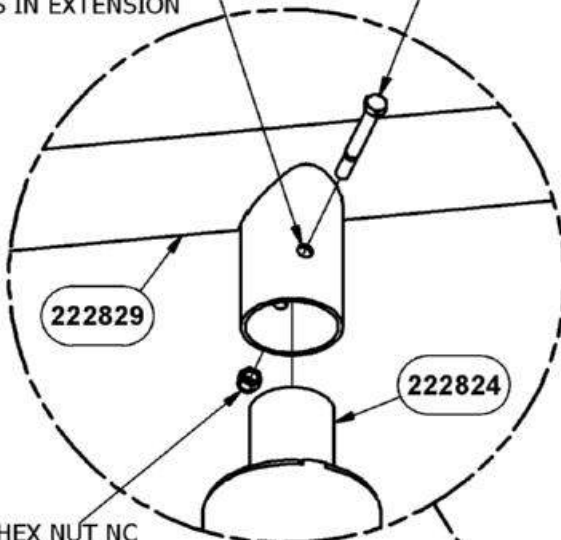
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

DETAIL VIEW



USING RAFTER AS A
TEMPLATE, DRILL
Ø7/16" DIAMETER
HOLES IN EXTENSION

3/8" x 3 1/2" HEX
HEAD BOLT (801013)

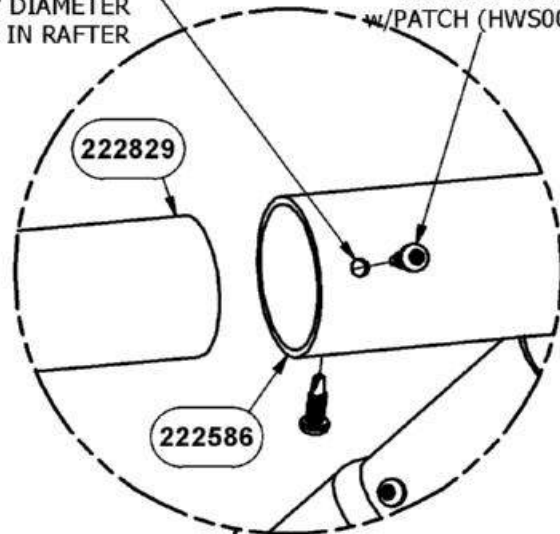


3/8" HEX NUT NC
NYLOCK SS (804380)

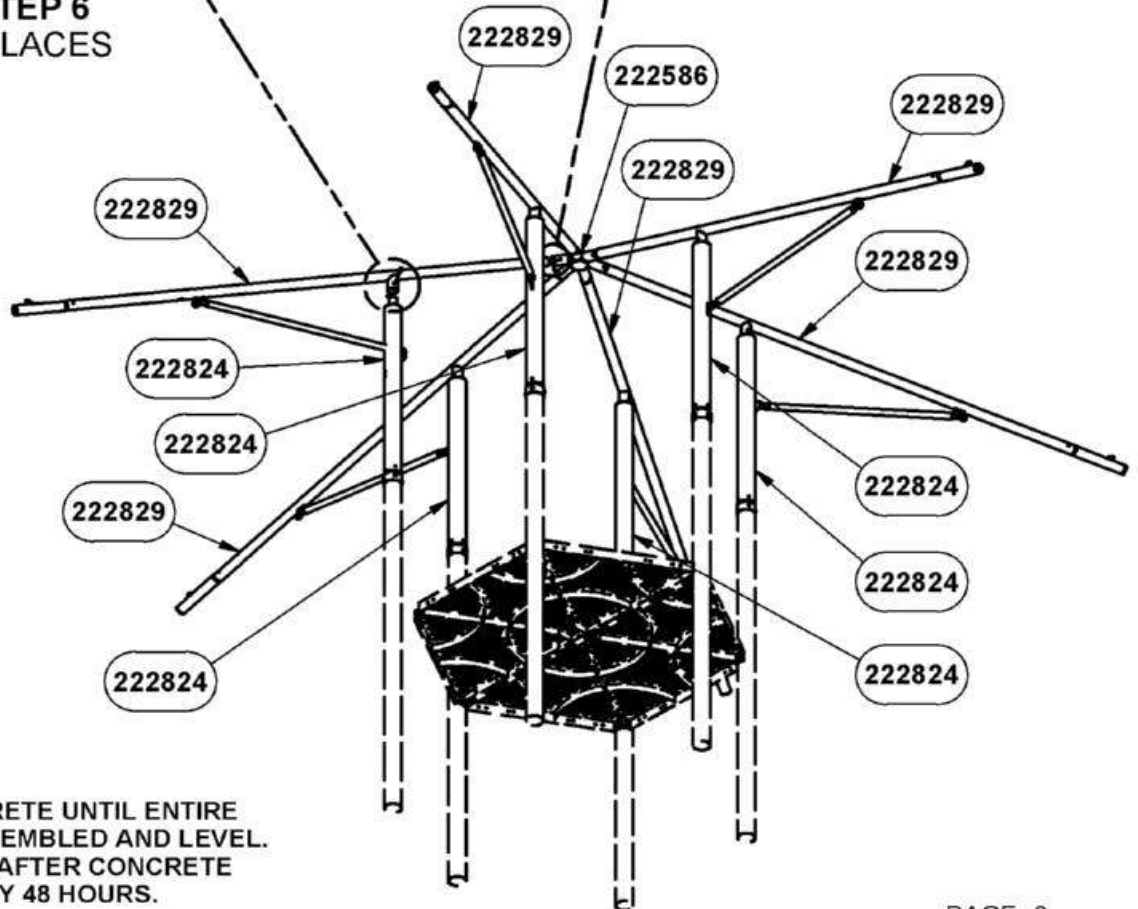
STEP 6
6 PLACES

USING HUB AS A
TEMPLATE, DRILL
Ø3/16" DIAMETER
HOLES IN RAFTER

1/4" x 1" SELF
TAPPING TORX
w/PATCH (HWS0021)

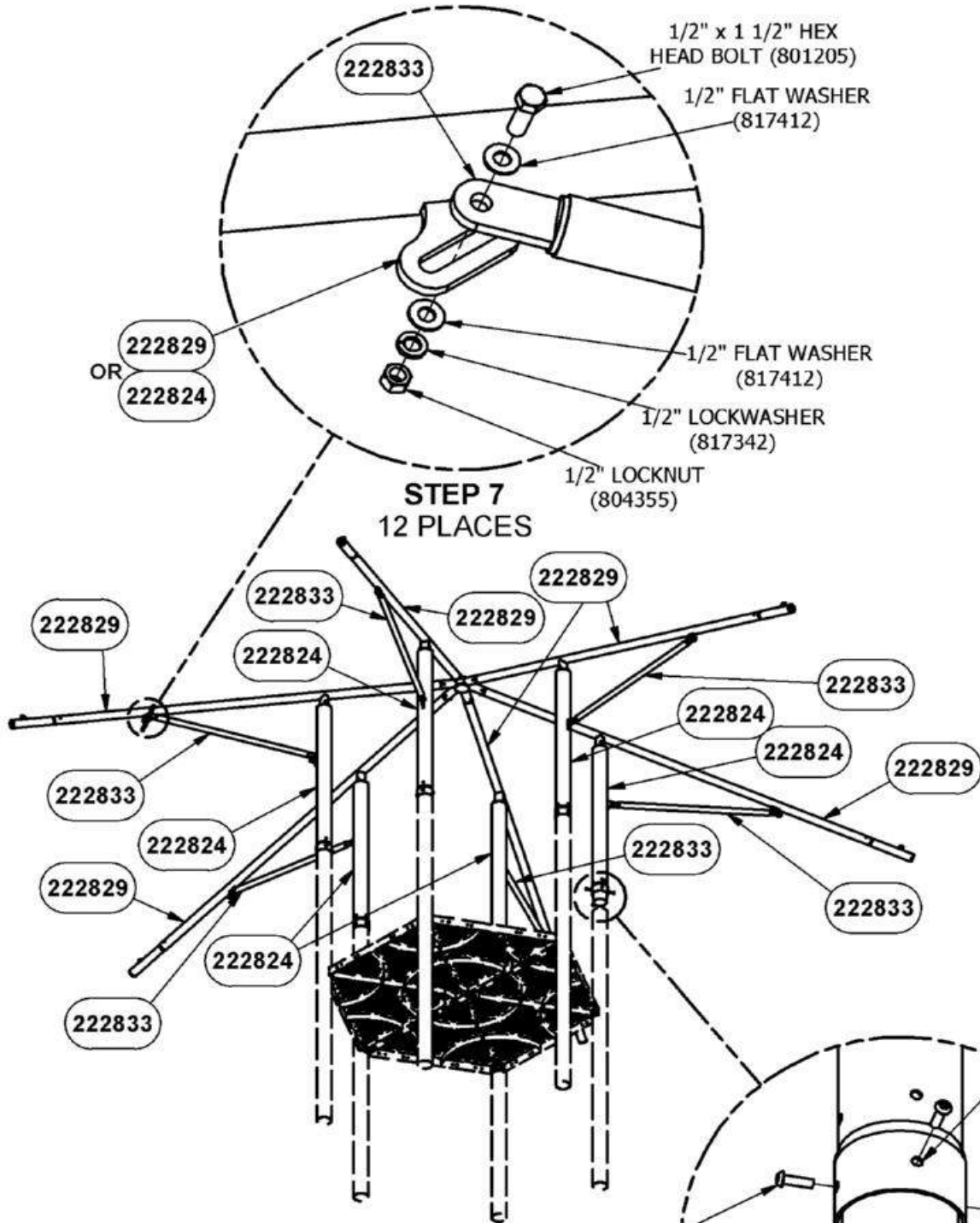
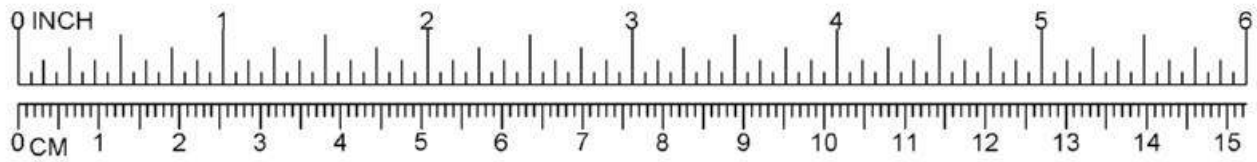


STEP 5
12 PLACES



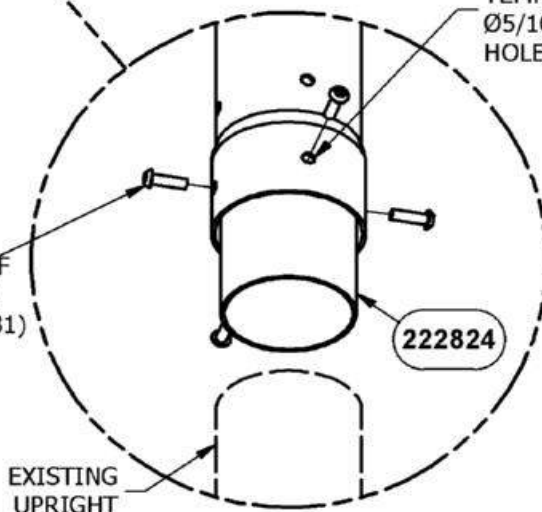
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
FRAME IS COMPLETELY ASSEMBLED AND LEVEL.
SHADE WILL BE INSTALLED AFTER CONCRETE
HAS CURED APPROXIMATELY 48 HOURS.

DETAIL VIEW



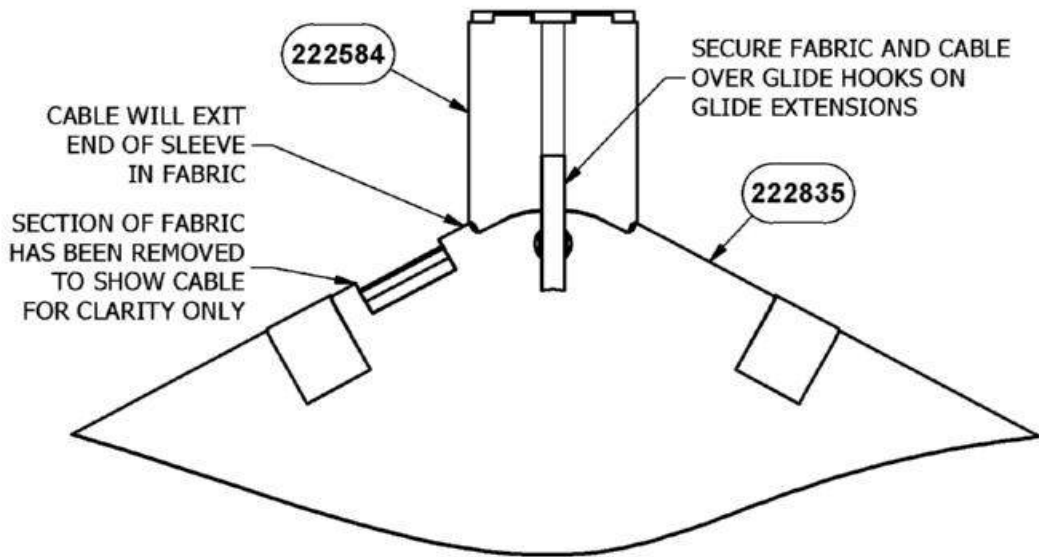
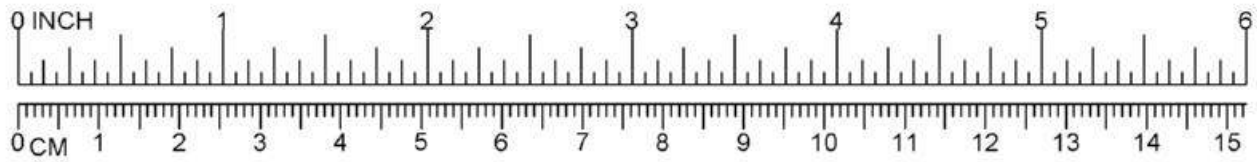
3/8" x 1 1/4" SELF
TAPPING TORX
w/PATCH (HWS0081)

USING EXTENSION AS A
TEMPLATE, DRILL
Ø5/16" DIAMETER
HOLES IN UPRIGHT



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
FRAME IS COMPLETELY ASSEMBLED AND LEVEL.
SHADE WILL BE INSTALLED AFTER CONCRETE
HAS CURED APPROXIMATELY 48 HOURS.

DETAIL VIEW



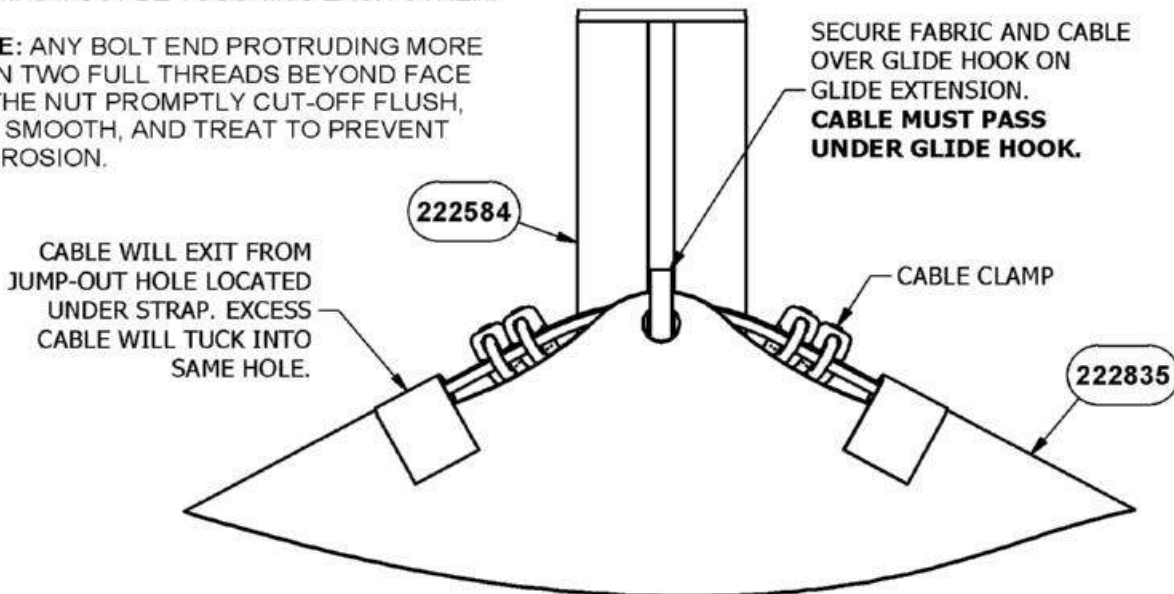
VIEW IS FROM TOP
OF SHADE FABRIC

STEP 9 5 PLACES

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

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

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.

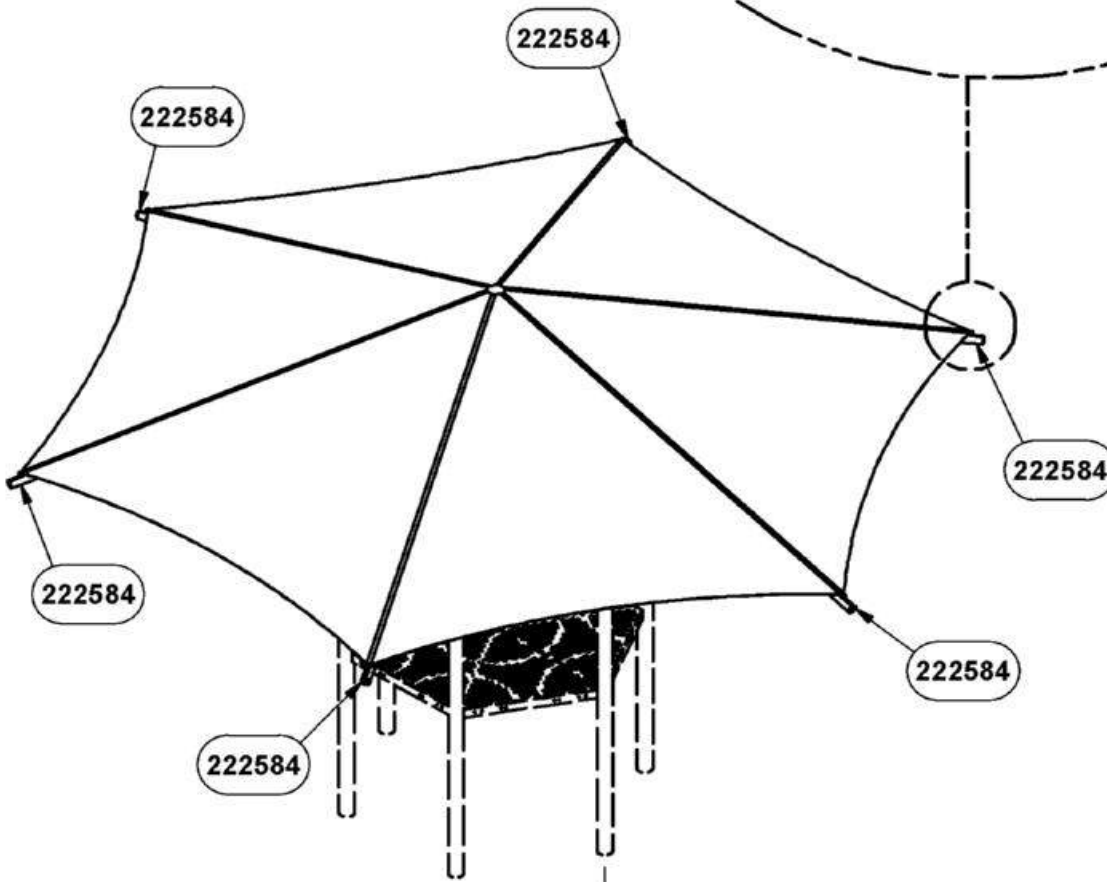
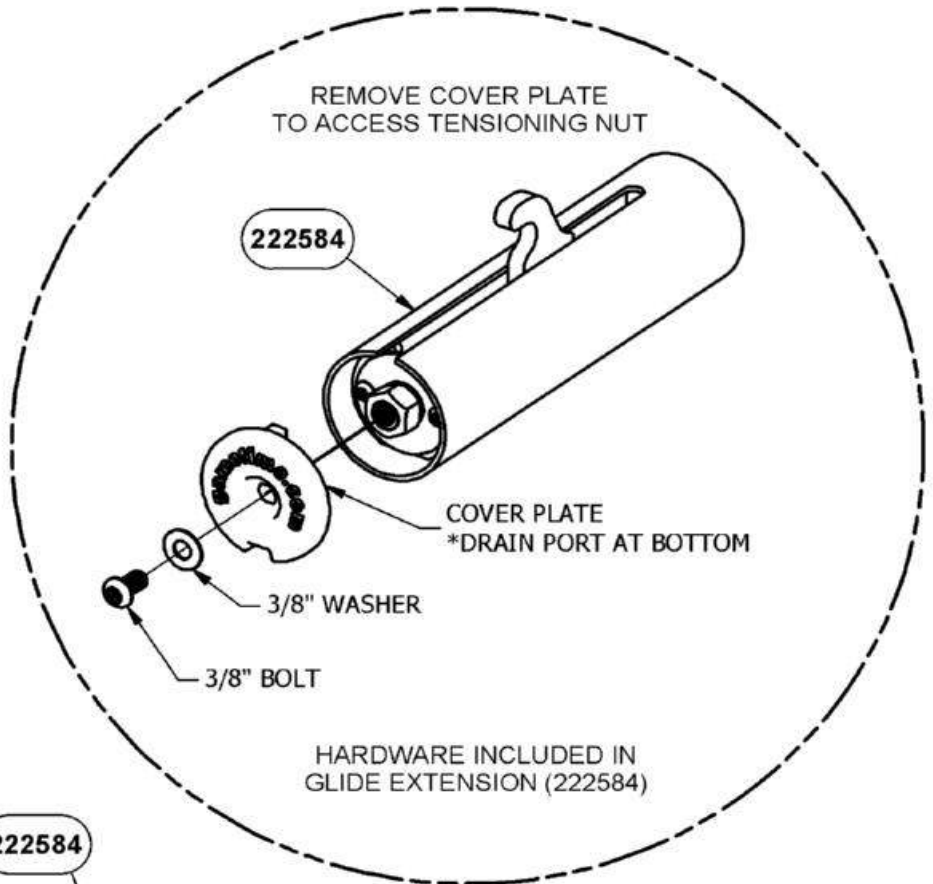
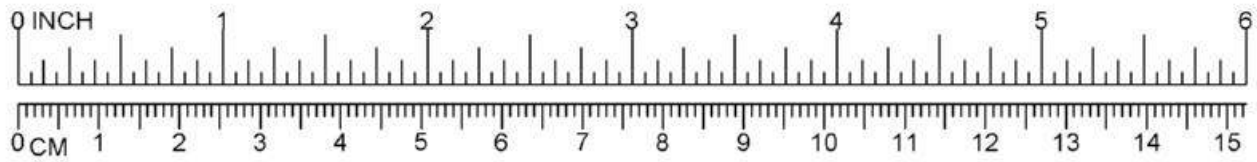


VIEW IS FROM TOP
OF SHADE FABRIC

STEP 10

NOTE: FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

DETAIL VIEW



NOTE: FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

DETAIL VIEW

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

NOTE: Refer to the Detail Views for the specific hardware required in each connection.

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

STEP 1: Attach Anchor Rods to In-Ground Extensions. **REFER TO PAGE 6.**

STEP 2: Attach In-Ground Extensions to Uprights. **REFER TO PAGE 6.**

STEP 3: Insert Extension Weld Assemblies over Uprights **NOTE:** Do not attach until Step 8. **REFER TO PAGE 7.**

STEP 4: Attach Glide Extensions to Rafter Weld Assemblies. **NOTE:** Orientation of Hook on Glide Extension is critical. Using Rafter Weld Assembly as a template, drill Ø3/16" diameter holes in Glide Extension. **REFER TO PAGE 7.**

STEP 5: Attach Rafter Weld Assemblies to Square Hub Weld Assembly. **NOTE:** Using Square Hub Weld Assembly as a template, drill Ø3/16" diameter holes in Rafter Weld Assembly. **REFER TO PAGE 8.**

STEP 6: Attach Rafter Weld Assemblies to Extension Weld Assemblies. **NOTE:** Using Rafter Weld Assembly as a template, drill Ø7/16" diameter holes in Extension Weld Assembly. **REFER TO PAGE 8.**

STEP 7: Attach Strut Weld Assembly to Rafter Weld Assemblies and Extension Weld Assemblies. **REFER TO PAGE 9.**

STEP 8: Secure Extension Weld Assemblies to Uprights. **NOTE:** Using Extension Weld Assembly as a template, drill Ø5/16" diameter holes in Upright. **REFER TO PAGE 9.**

NOTE: FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

STEP 9: 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 corner. Spread the shade fabric over the frame and secure corners to the hooks on the Glide Extensions. It may be necessary to flap the loose corners up and down to stretch the shade fabric so that it fits over the hooks on the Glide Extensions. **NOTE:** The Steel Cable must always pass under the hooks on the Glide Extensions. **REFER TO PAGE 10.**

STEP 10: 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. 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. **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. **REFER TO PAGE 10.**

STEP 11: Remove Cover Plate from Glide Extension to access tensioning nut. Take turns tensioning each Glide Extension 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 Extension. **REFER TO PAGE 11.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
HEX HUB WELD ASSEMBLY	1	222586
HEX EXTENSION 26' WELD ASSEMBLY	6	222824
HEX RAFTER 26' WELD ASSEMBLY	6	222829
HEX STRUT 26' WELD ASSEMBLY	6	222833
GLIDE EXTENSION	6	222584
IN-GROUND EXTENSION	6	223115
26' HEX FABRIC PACKAGE	1	222835
26' HEX SHADE FABRIC	1	**
1/4" CABLE, 80'-0" LG	1	**
CABLE CLAMP	1	**
HARDWARE COMPLETE	1	222836
1/4" x 1" SELF TAPPING TORX w/PATCH	24	HWS0021*
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	24	HWS0081*
3/8" x 3 1/2" HEX HEAD BOLT	6	801013*
3/8" HEX NUT NC NYLOCK SS	6	804380*
1/2" x 1 1/2" HEX HEAD BOLT	12	801205*
1/2" x 5 1/2" HEX HEAD BOLT	6	801221*
1/2" FLAT WASHER	24	817412*
1/2" LOCKWASHER	18	817342*
1/2" LOCKNUT	18	804355*
1/2" ANCHOR ROD	12	135038*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in 26' Hex Fabric Package*

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.

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.

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 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.

PowerScape

GameTime®

A PLAYCORE Company

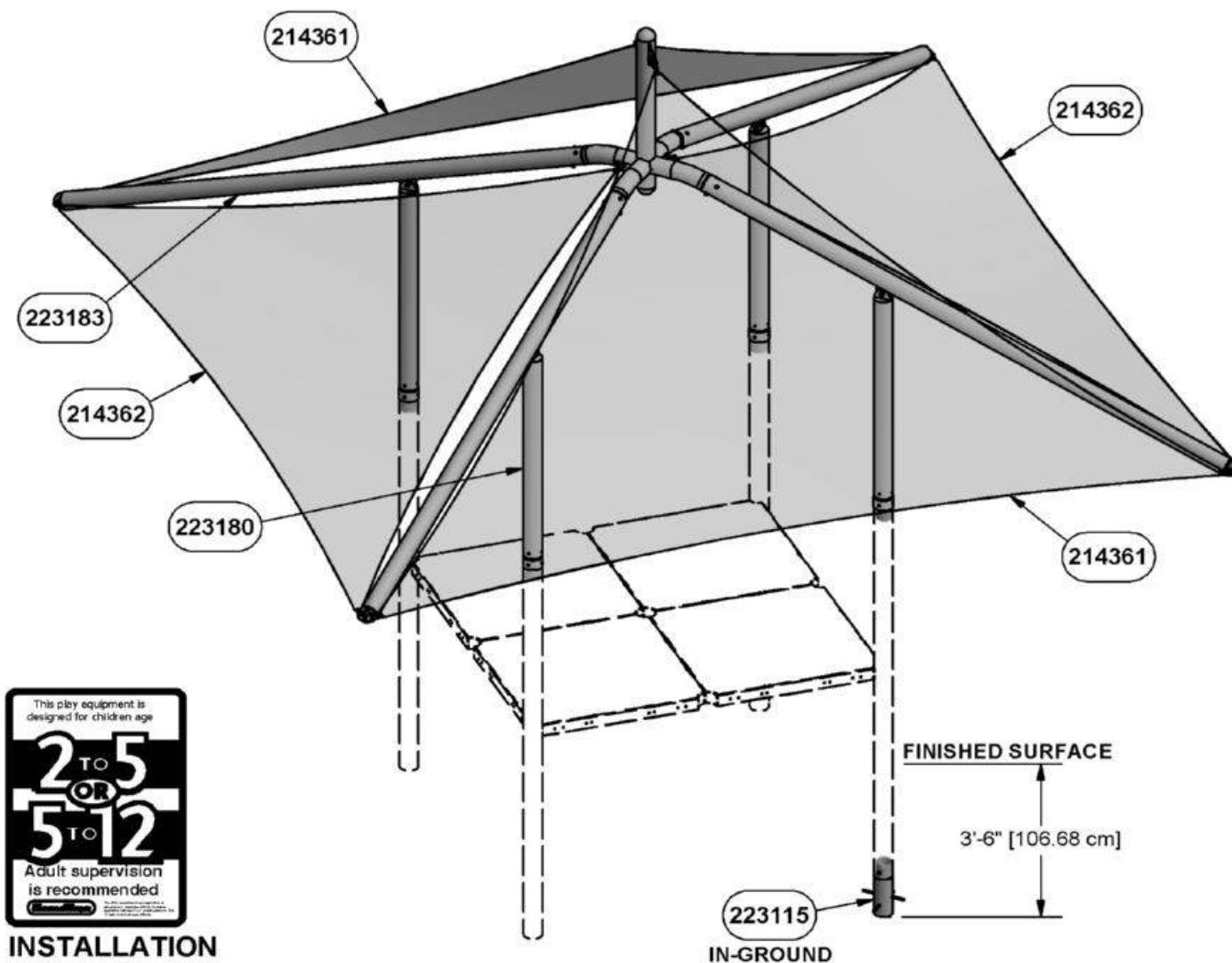
1-800-235-2440

ISSUED/REVISED: 6/21/2023

SUNBLOX
SHADE BY GAMETIME

91802

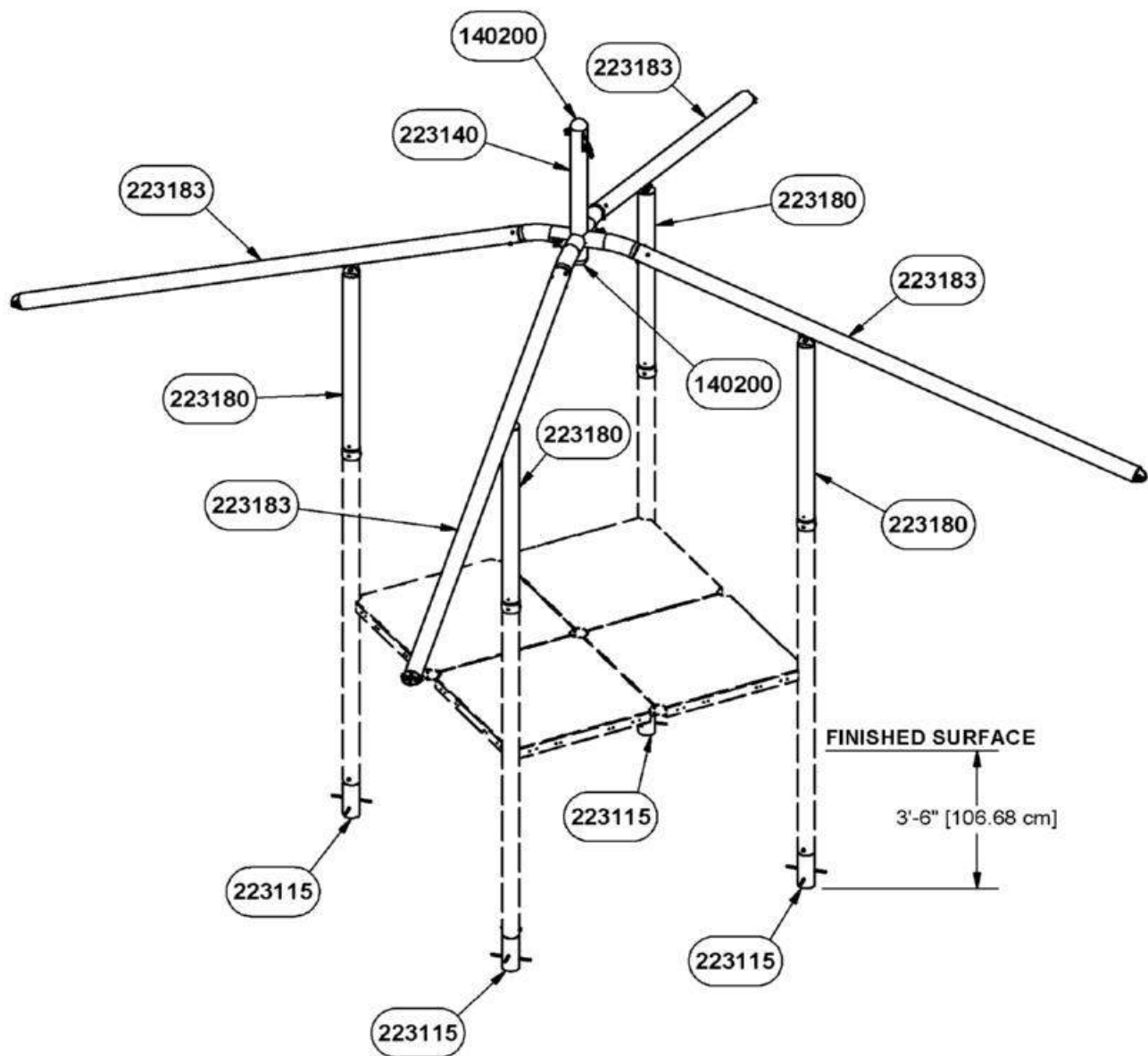
4D SAIL CANOPY



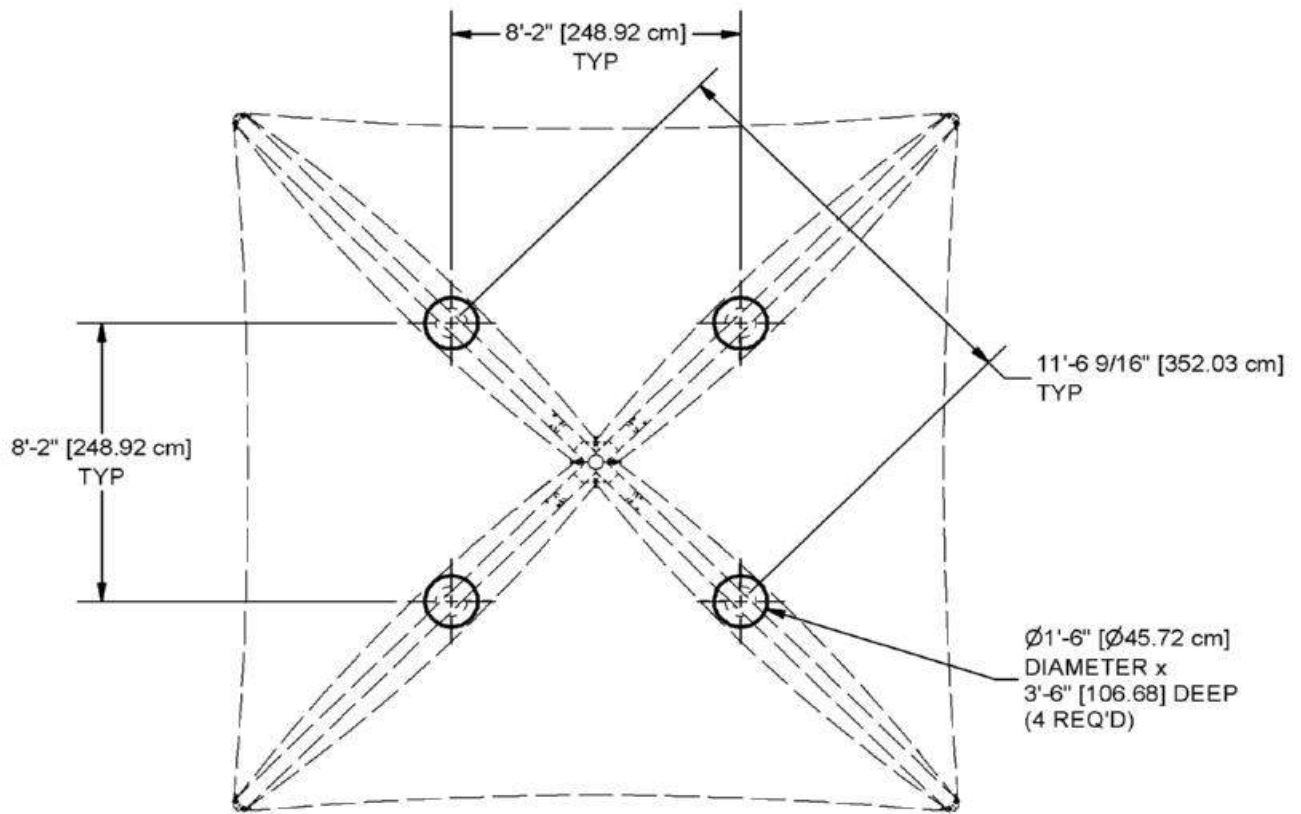
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.
4. DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

ASSEMBLY VIEW



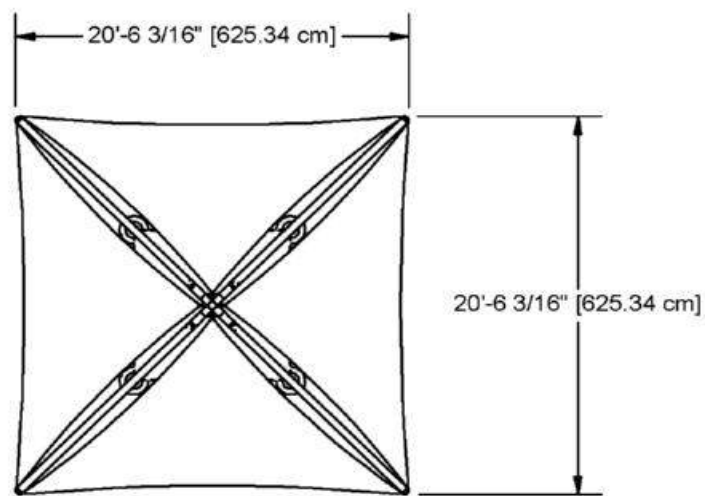
FRAME ASSEMBLY VIEW



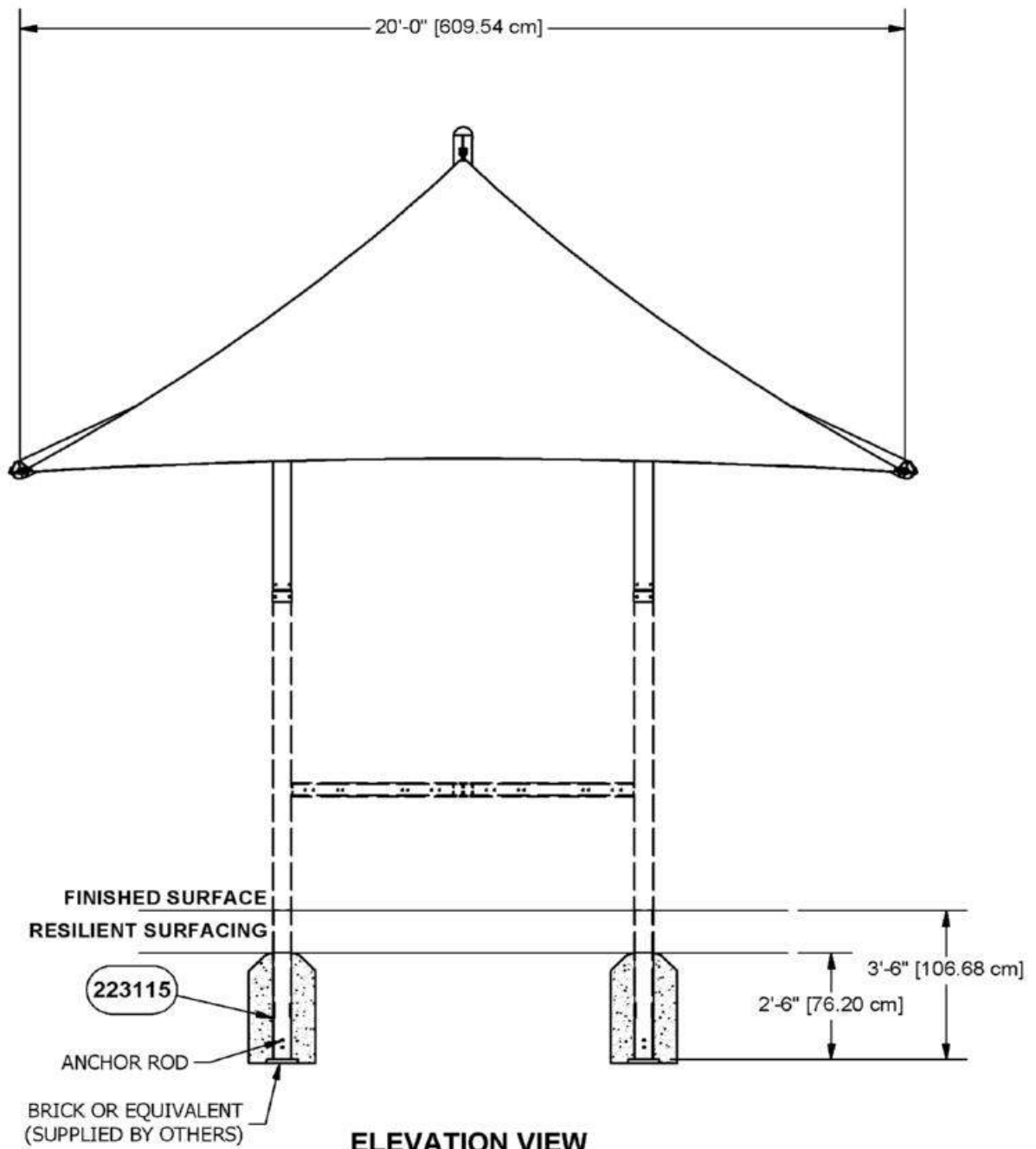
PLAN VIEW

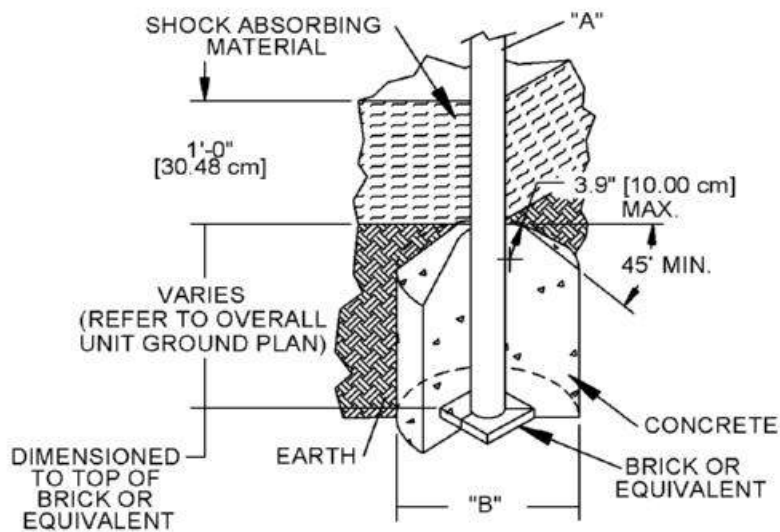
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
0.65 CUBIC YARDS
[0.50 CUBIC METERS]



TOP VIEW





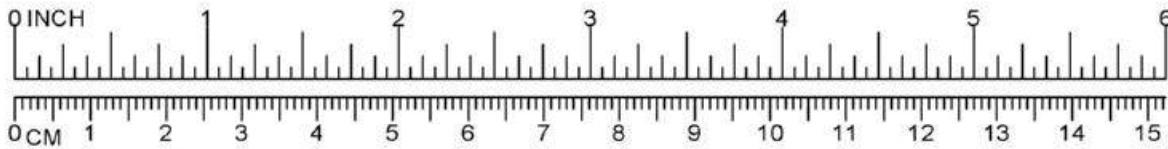
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

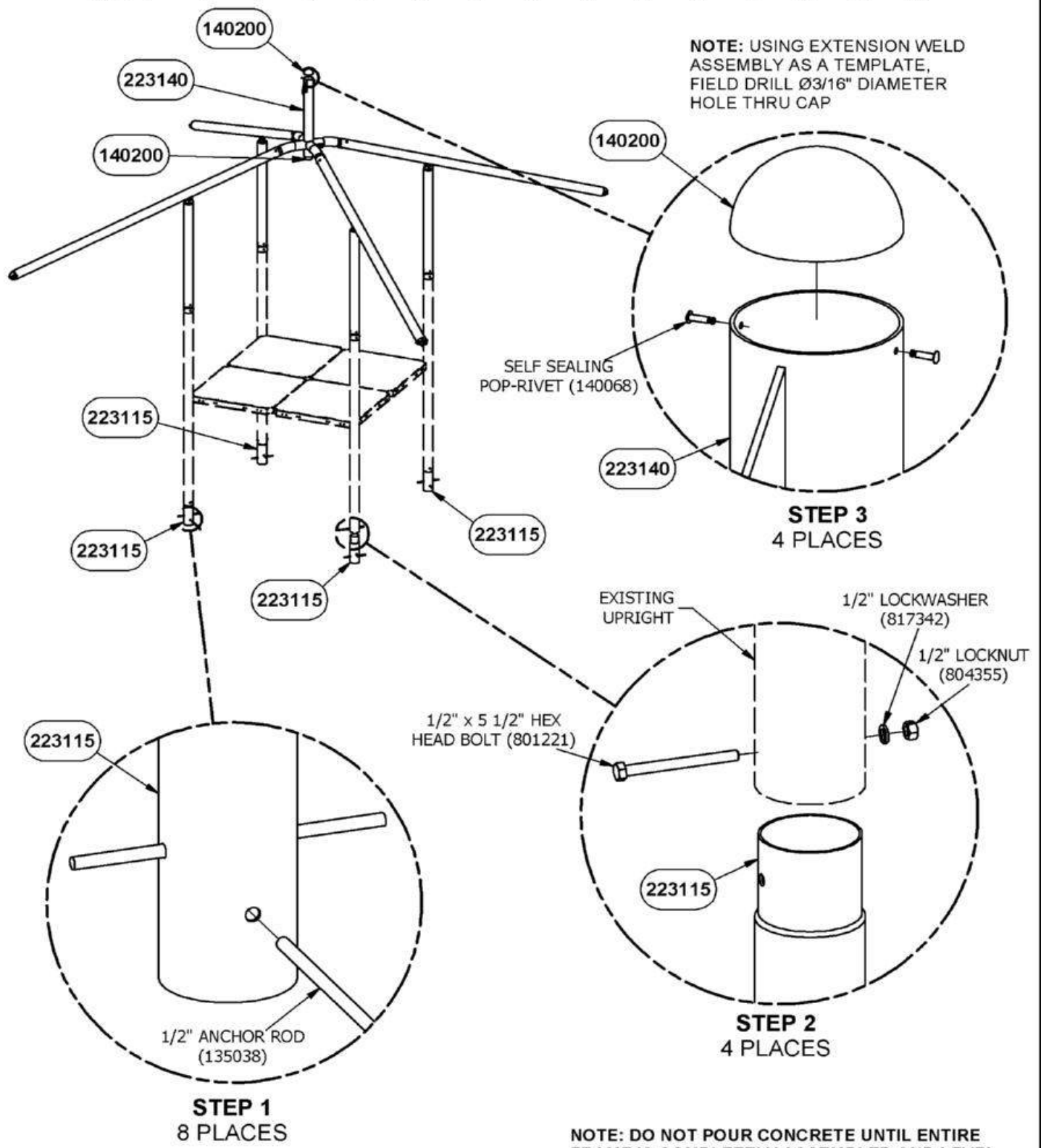
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

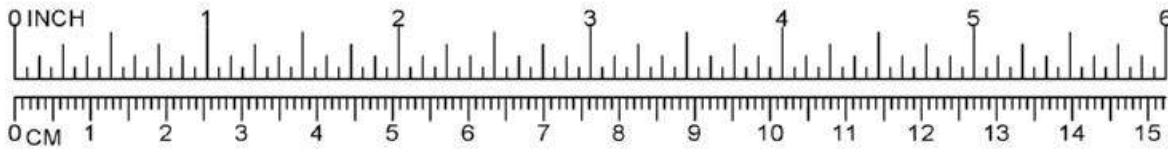
FOOTING DETAIL



NOTE: USING EXTENSION WELD ASSEMBLY AS A TEMPLATE, FIELD DRILL Ø3/16" DIAMETER HOLE THRU CAP



NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.



1/2" x 5 1/2" B.H.C.S.
(811071)

USING RAFTER WELD
ASSEMBLY AS A TEMPLATE,
FIELD DRILL Ø9/16" HOLE
THRU HUB WELD ASSEMBLY

223183

1/2" LOCKWASHER
(817342)

1/2" LOCKNUT
(804355)

STEP 5
8 PLACES

223140

223183

223140

223183

223183

223180

223180

223180

223183

223180

223180

DO NOT ATTACH
UNTIL STEP 7

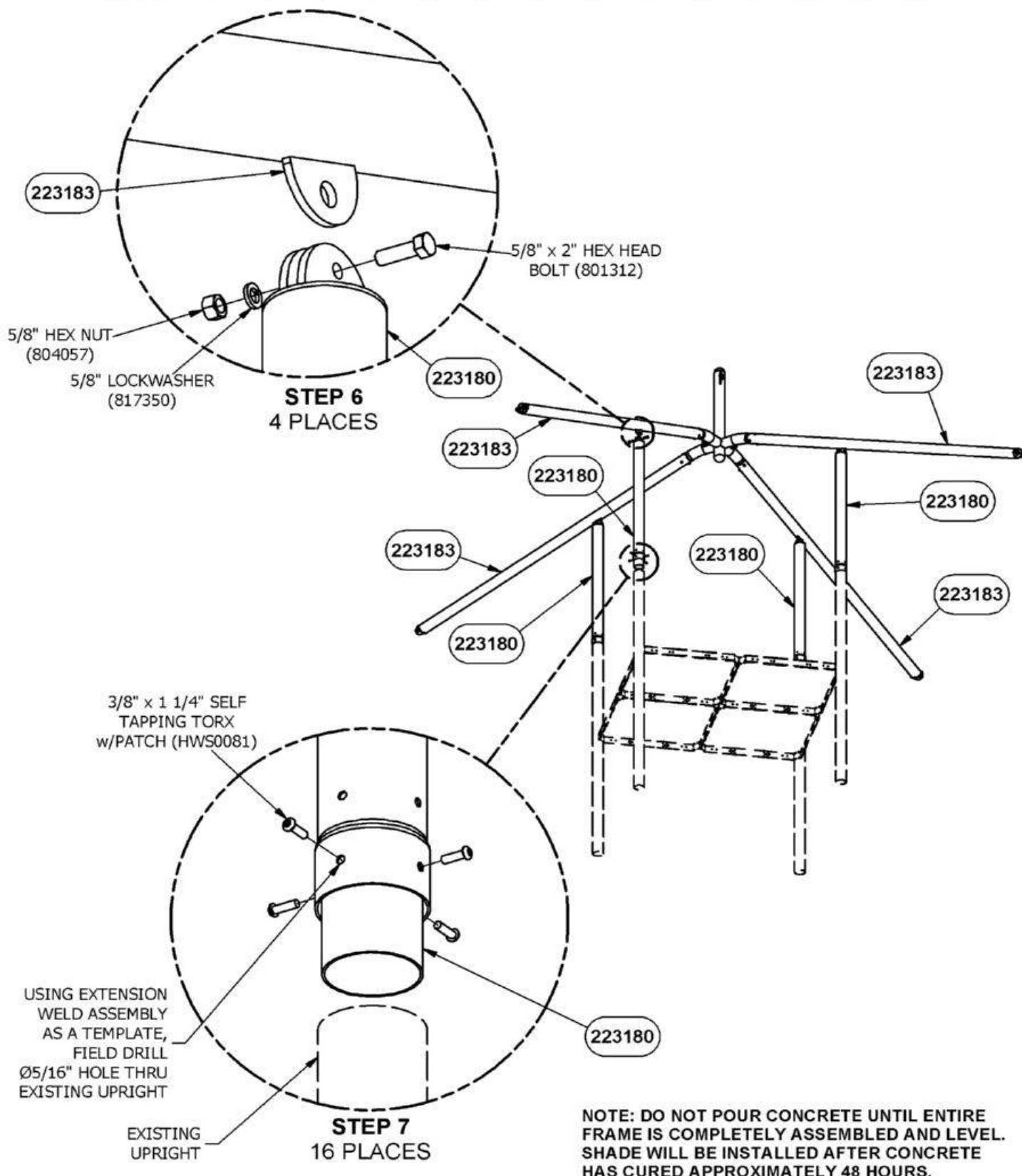
EXISTING
UPRIGHT

STEP 4
4 PLACES

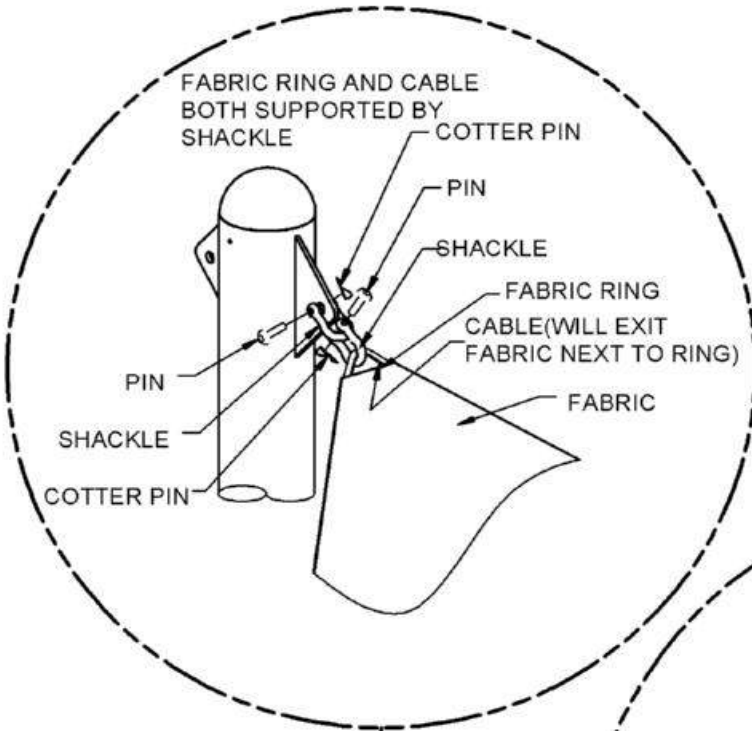
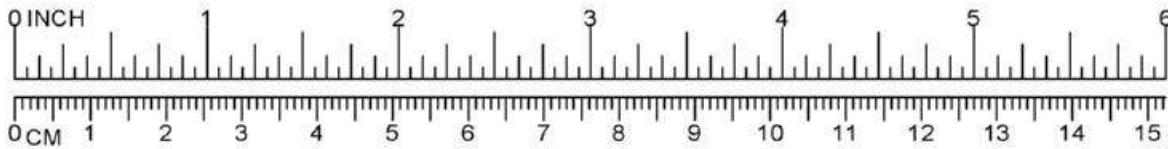
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
FRAME IS COMPLETELY ASSEMBLED AND LEVEL.
SHADE WILL BE INSTALLED AFTER CONCRETE
HAS CURED APPROXIMATELY 48 HOURS.**

DETAIL VIEW

PAGE 7

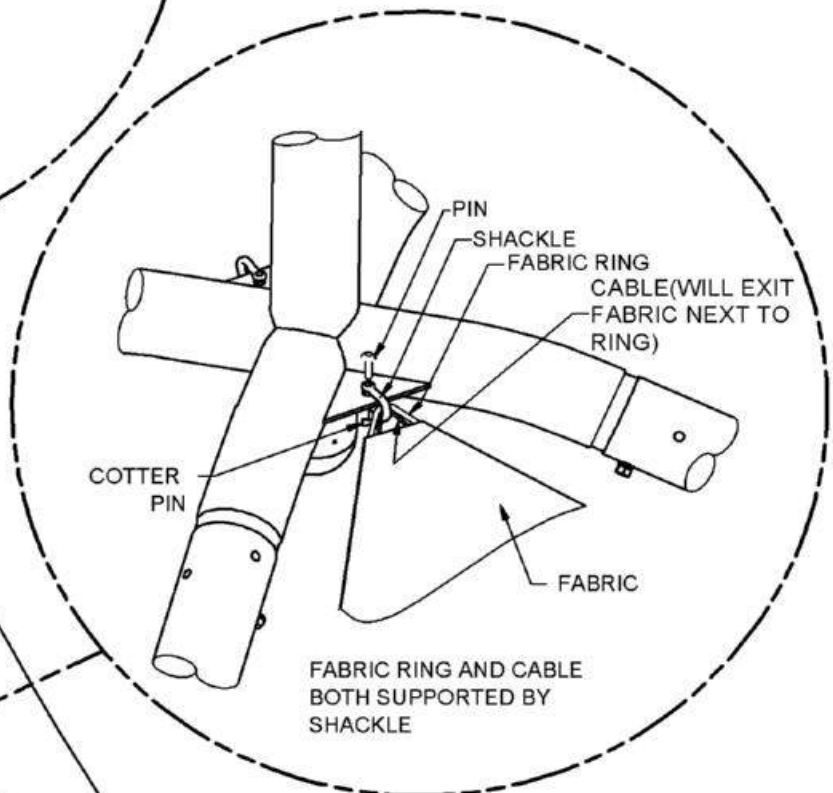


NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

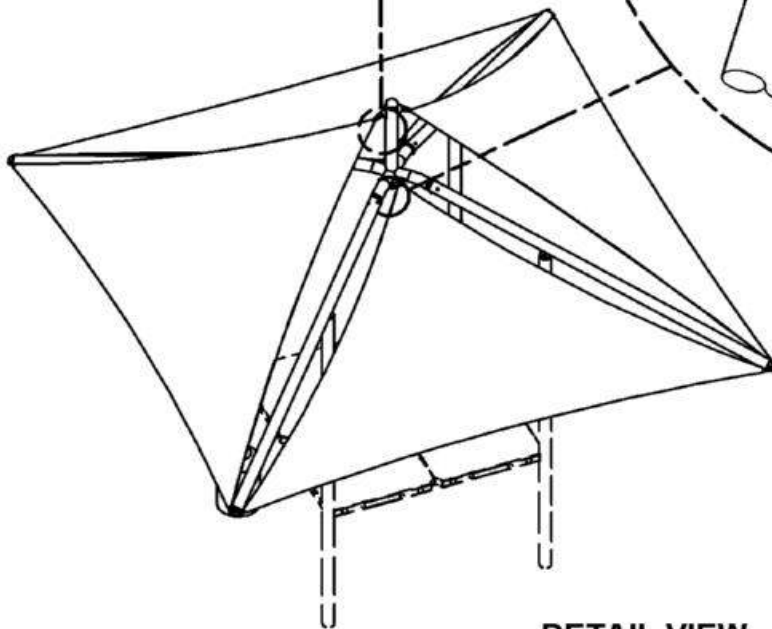


STEP 8
2 PLACES

**HARDWARE INCLUDED
WITH CABLE
CLAMP PACKAGE**



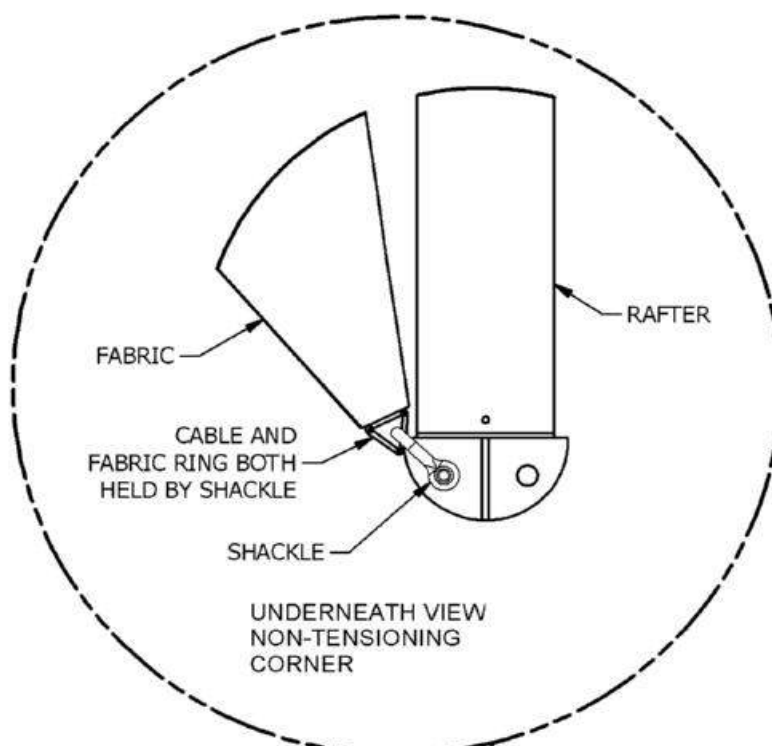
STEP 9
2 PLACES



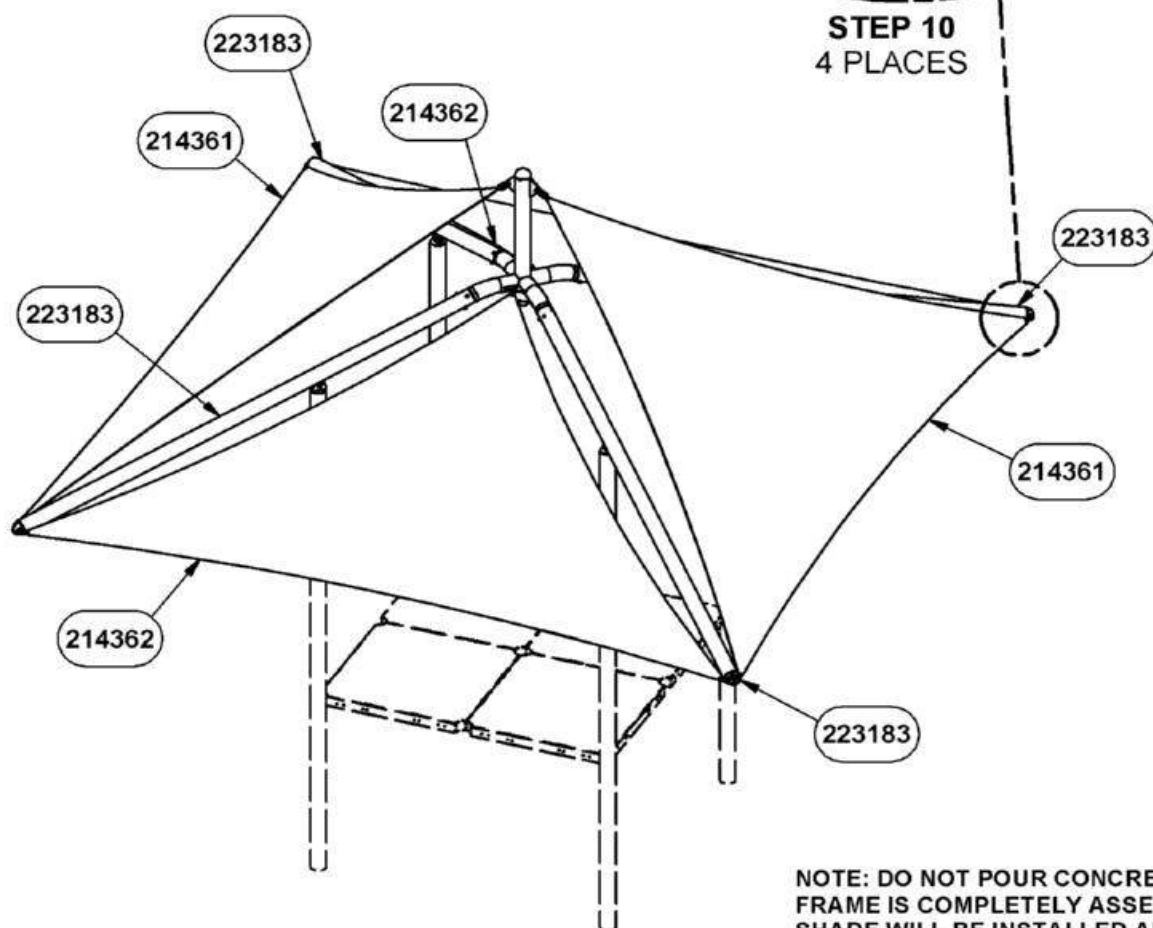
DETAIL VIEW

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE FRAME IS COMPLETELY ASSEMBLED AND LEVEL. SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

**HARDWARE INCLUDED
WITH CABLE
CLAMP PACKAGE**

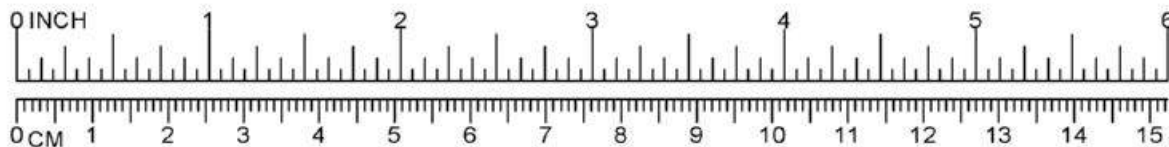


STEP 10
4 PLACES



**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
FRAME IS COMPLETELY ASSEMBLED AND LEVEL.
SHADE WILL BE INSTALLED AFTER CONCRETE
HAS CURED APPROXIMATELY 48 HOURS.**

DETAIL VIEW



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.

HARDWARE INCLUDED WITH CABLE CLAMP PACKAGE

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

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

CABLE WILL EXIT FROM JUMP-OUT HOLE LOCATED UNDER STRAP. EXCESS CABLE WILL TUCK INTO SAME HOLE.

CABLE CLAMP (TWO NUTS PER CONNECTION)

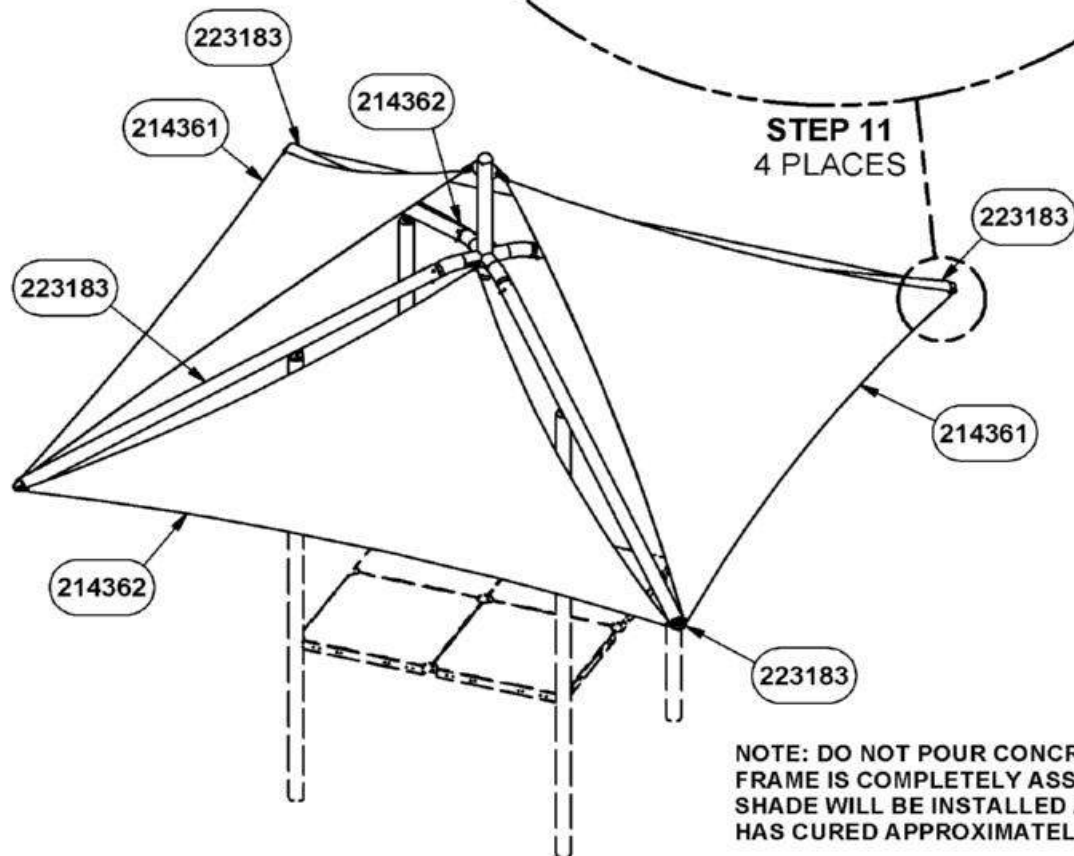
CABLES AND FABRIC RING BOTH HELD BY SHACKLE

SHACKLE

UNDERNEATH VIEW TENSIONING CORNER

RAFTER

STEP 11 4 PLACES



DETAIL VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ 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.
- ☐ To reduce 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, filed smooth and treated to prevent corrosion. 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.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. 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 GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

NOTE: Refer to Detail Views for the specific hardware required in each connection.

NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL SHADE WILL BE INSTALLED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS..

STEP 1: Attach Anchor Rods to In-Ground Extension. **REFER TO PAGE 6.**

STEP 2: Attach In-Ground Extension to Existing Upright. **REFER TO PAGE 6.**

STEP 3: Attach Pipe Caps to Hub Weld Assembly. Using Extension Weld Assembly as a template, field drill Ø3/16" diameter hole thru Cap. **REFER TO PAGE 6.**

STEP 4: Insert Extension Weld Assemblies into Existing Uprights. **NOTE:** Do not attach until step 7. **REFER TO PAGE 7.**

STEP 5: Attach Rafter Weld Assembly to Hub Weld assembly. **NOTE:** Using Rafter Weld Assembly as a template, field drill Ø9/16" diameter holes thru Hub Weld Assembly. **REFER TO PAGE 7.**

STEP 6: Attach Rafter Weld Assembly to Extension Weld Assembly. **REFER TO PAGE 8.**

STEP 7: Attach Extension Weld Assembly to Existing Upright. **NOTE:** Using Extension Weld Assembly as a template, field drill Ø5/16" hole thru existing upright. **REFER TO PAGE 8.**

NOTE: FOLLOWING STEPS TO BE COMPLETED AFTER CONCRETE HAS CURED APPROXIMATELY 48 HOURS.

NOTE: Separate the four fabric sail panels by size and locate the top side of the panels. The logo will be on the bottom of the fabric panel. Spread them out flat on the ground in the same orientation they will be in after installation. Note: There will be two different size panels, two long and two short. Make sure the same size panels are opposite of each other when they are spread out on the ground.

NOTE: 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 corner. Spread the shade fabric over the frame and secure corners to the Hub Weld Assembly and Rafters.

STEP 8: Attach fabric panels to top of Hub Weld Assembly. **REFER TO PAGE 9.**

STEP 9: Attach fabric panels to bottom of Hub Weld Assembly. **REFER TO PAGE 9.**

STEP 10: Attach non-tensioning bottom corners of Fabrics to Rafter. **REFER TO PAGE 10.**

STEP 11: At bottom tensioning corner of fabric attach a come-along to one end of cable. Attach the other end of the come-along to the adjacent upright (place protective fabric between the come-along and the upright to protect the paint). Tension the come-along slightly. 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. Any bolt end protruding more than two fulls threads beyond face of the nut promptly cut-off flush, file smooth, and treat to prevent corrosion. **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. **REFER TO PAGE 11.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
HUB WELD ASSEMBLY	1	223140
EXTENSION WELD ASSEMBLY	4	223180
RAFTER WELD ASSEMBLY	4	223183
IN-GROUND EXTENSION	4	223115
FABRIC PACKAGE FOR 20' SAIL (SMALL SIDE)	2	214361
FABRIC PACKAGE FOR 20' SAIL (LARGE SIDE)	2	214362
CAP	2	140200
CABLE/CLAMP PACKAGE FOR FABRIC SAIL	1	214369
3/16" CABLE 52"	2	**
3/16" CABLE 54"	2	**
CABLE CLAMP	16	**
1/2" SHACKLE	14	**
HARDWARE COMPLETE	1	223170
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	16	HWS0081*
1/2" x 5 1/2" B.H.C.S.	8	811071*
1/2" x 5 1/2" HEX HEAD BOLT	4	801221*
1/2" LOCKWASHER	12	817342*
1/2" LOCKNUT	12	804355*
1/2" ANCHOR ROD	8	135038*
5/8" x 2" HEX HEAD BOLT	4	801312*
5/8" LOCKWASHER	4	817350*
5/8" HEX NUT	4	804057*
SELF SEALING POP-RIVET	4	140068*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Cable/Clamp Package for Fabric Sail*

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.

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 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.



LANDMARK DESIGN

A **PLAYCORE** Company

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ISSUED/REVISED: 7/10/2023

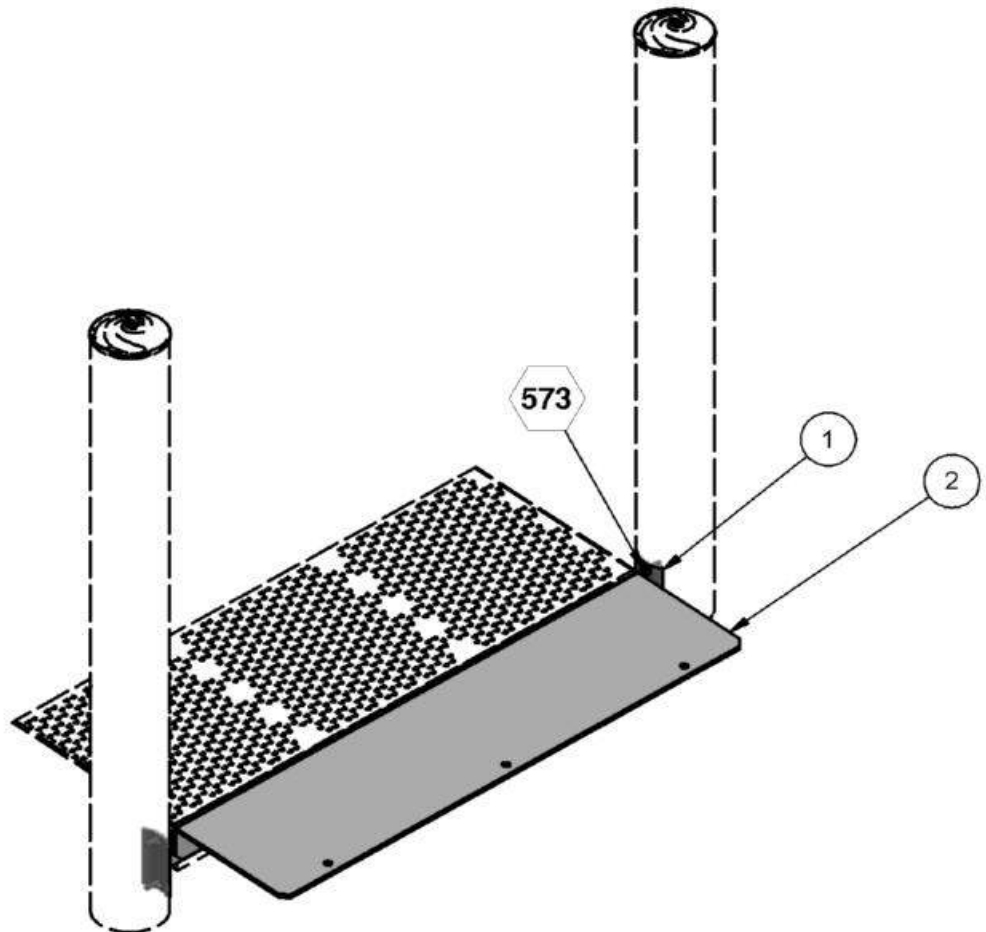
4445RP

THRESHOLD
PKG.

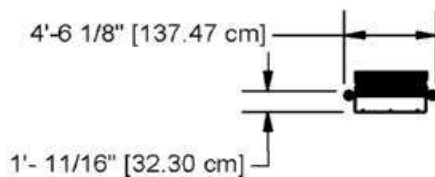
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as show in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RAMP SUPPORT	1	176659
2	THRESHOLD	1	179702
	HARDWARE COMPLETE	1	4444HW
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/4" B.H.C.S.	4	811051*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCK WASHER	8	817334*
	3/8" T-NUT	4	804556*

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

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

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

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

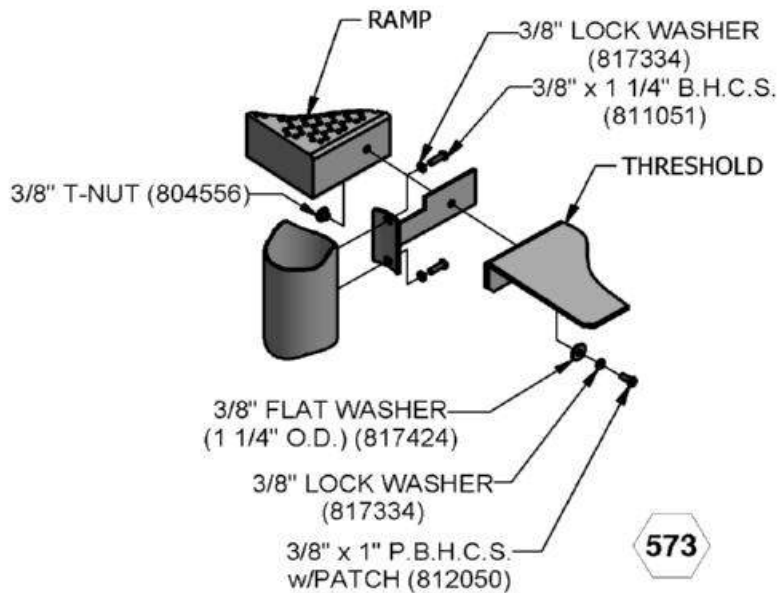
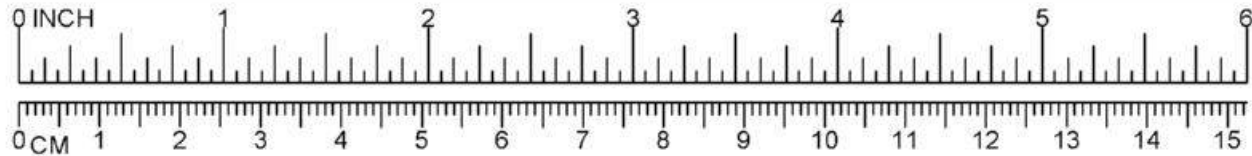
DETAILS -for- 4445RP

IMPORTANT

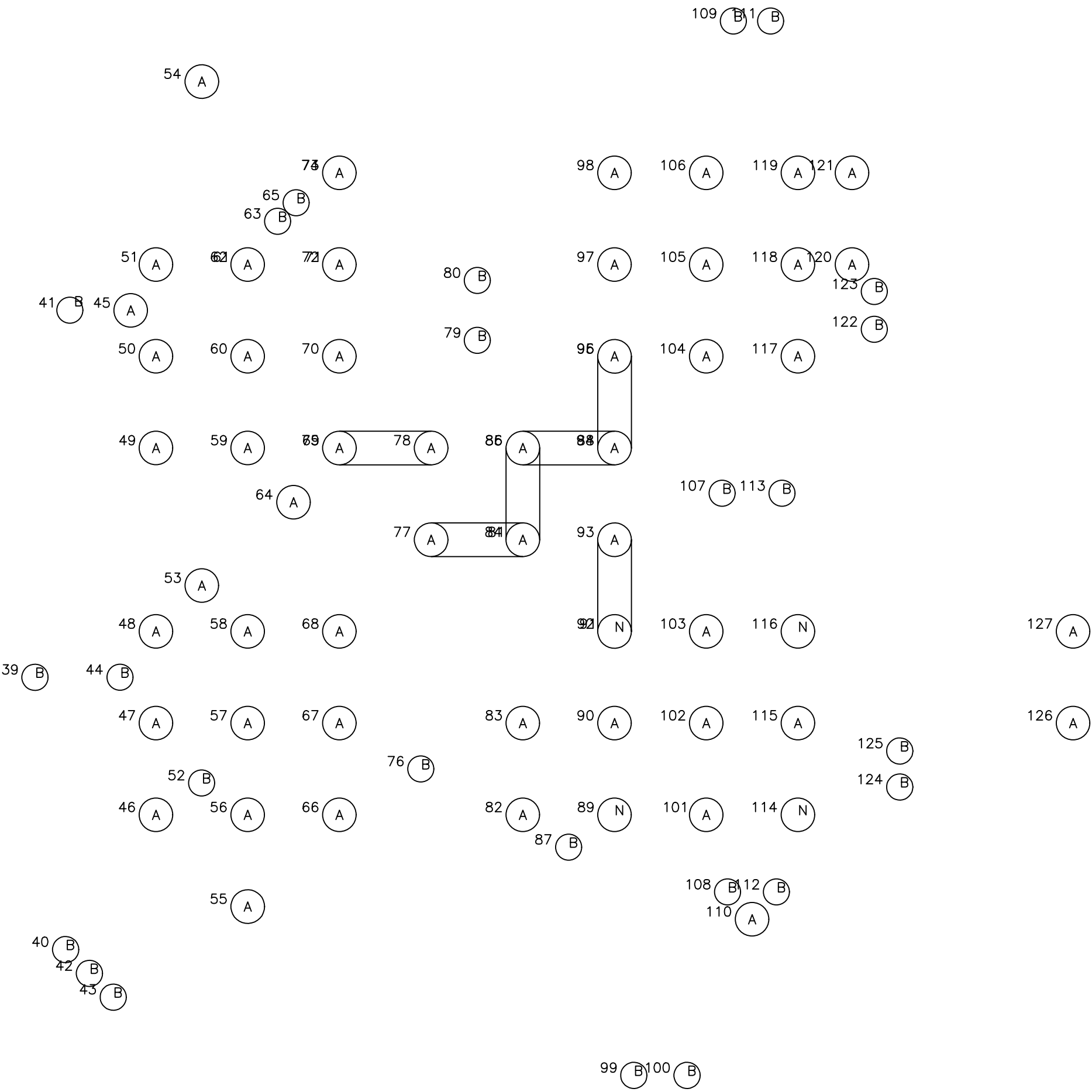
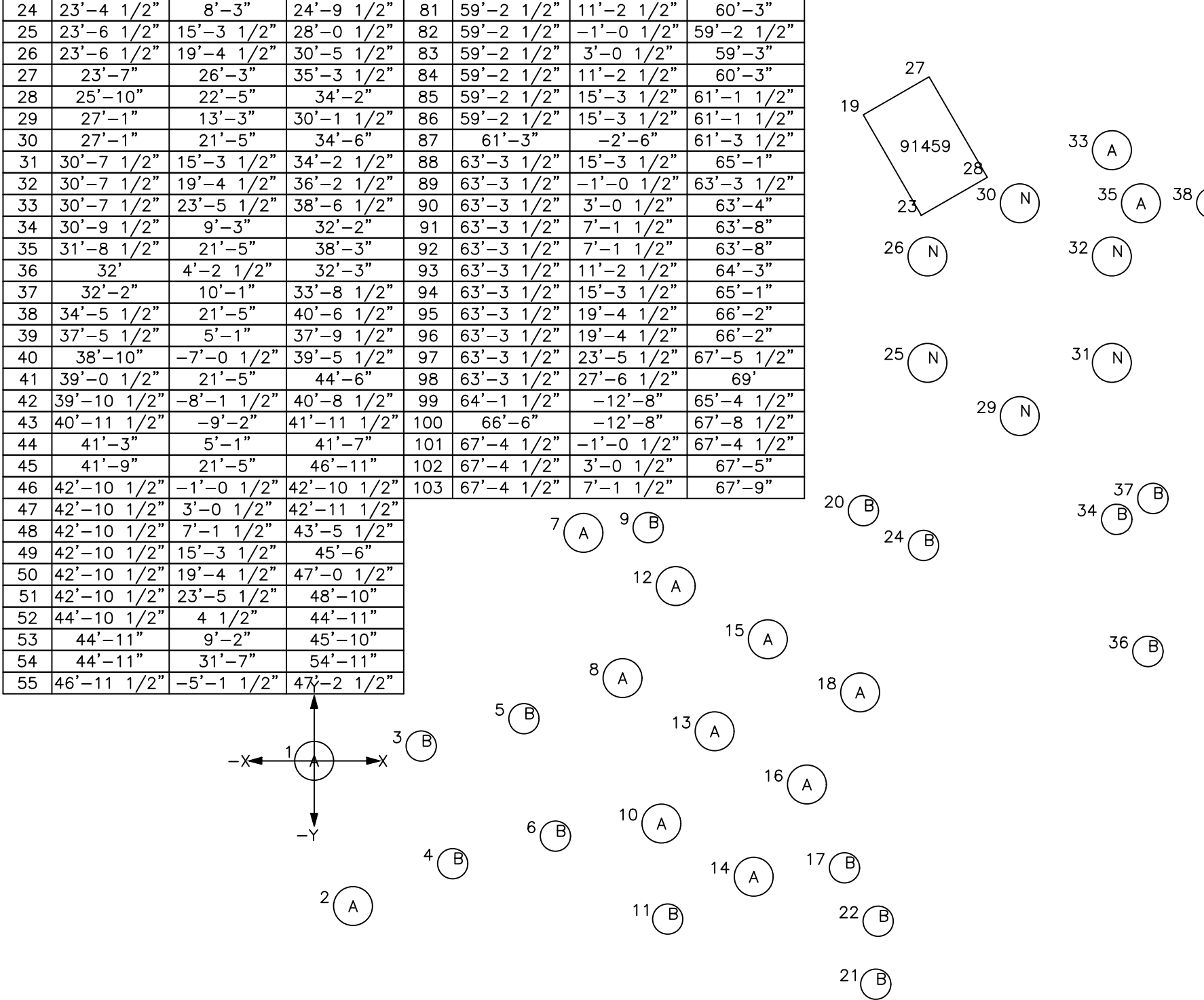
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



FOOTINGS ORDNATE TABLE				56	46'-11 1/2"	-1'-0 1/2"	46'-11 1/2"	104	67'-4 1/2"	19'-4 1/2"	70'-1"
HOLE	X	Y	DIAG	57	46'-11 1/2"	3'-0 1/2"	47'-0 1/2"	105	67'-4 1/2"	23'-5 1/2"	71'-4"
1	0"	0"	0"	58 <th>46'-11 1/2"</th> <th>7'-1 1/2"</th> <th>47'-5 1/2"</th> <th>106</th> <th>67'-4 1/2"</th> <th>27'-6 1/2"</th> <th>72'-9"</th>	46'-11 1/2"	7'-1 1/2"	47'-5 1/2"	106	67'-4 1/2"	27'-6 1/2"	72'-9"
2	1'-6"	-5'-7"	5'-9 1/2"	59 <th>46'-11 1/2"</th> <th>15'-3 1/2"</th> <th>49'-4 1/2"</th> <th>107</th> <th>68'-1"</th> <th>13'-3"</th> <th>69'-4"</th>	46'-11 1/2"	15'-3 1/2"	49'-4 1/2"	107	68'-1"	13'-3"	69'-4"
3	4'-1 1/2"	7"	4'-2"	60 <th>46'-11 1/2"</th> <th>19'-4 1/2"</th> <th>50'-9 1/2"</th> <th>108</th> <th>68'-3 1/2"</th> <th>-4'-6"</th> <th>68'-5 1/2"</th>	46'-11 1/2"	19'-4 1/2"	50'-9 1/2"	108	68'-3 1/2"	-4'-6"	68'-5 1/2"
4	5'-4"	-3'-11 1/2"	6'-7 1/2"	61 <th>46'-11 1/2"</th> <th>23'-5 1/2"</th> <th>52'-5 1/2"</th> <th>109</th> <th>68'-7"</th> <th>34'-3 1/2"</th> <th>76'-8"</th>	46'-11 1/2"	23'-5 1/2"	52'-5 1/2"	109	68'-7"	34'-3 1/2"	76'-8"
5	8'-0 1/2"	1'-7 1/2"	8'-2 1/2"	62 <th>46'-11 1/2"</th> <th>23'-5 1/2"</th> <th>52'-5 1/2"</th> <th>110</th> <th>69'-5"</th> <th>-5'-8 1/2"</th> <th>69'-7 1/2"</th>	46'-11 1/2"	23'-5 1/2"	52'-5 1/2"	110	69'-5"	-5'-8 1/2"	69'-7 1/2"
6	9'-3"	-2'-10 1/2"	9'-8 1/2"	63 <th>48'-3 1/2"</th> <th>25'-4 1/2"</th> <th>54'-6 1/2"</th> <th>111</th> <th>70'-2 1/2"</th> <th>34'-3 1/2"</th> <th>78'-1 1/2"</th>	48'-3 1/2"	25'-4 1/2"	54'-6 1/2"	111	70'-2 1/2"	34'-3 1/2"	78'-1 1/2"
7	10'-4"	8'-9"	13'-6 1/2"	64	49'	12'-10 1/2"	50'-7 1/2"	112	70'-6"	-4'-6"	70'-7 1/2"
8	11'-10"	3'-2"	12'-3"	65	49'-1"	26'-2 1/2"	55'-8"	113	70'-9"	13'-3"	71'-11 1/2"
9	12'-10"	8'-11 1/2"	15'-7 1/2"	66 <th>51'-0 1/2"</th> <th>-1'-0 1/2"</th> <th>51'-0 1/2"</th> <th>114</th> <th>71'-5 1/2"</th> <th>-1'-0 1/2"</th> <th>71'-5 1/2"</th>	51'-0 1/2"	-1'-0 1/2"	51'-0 1/2"	114	71'-5 1/2"	-1'-0 1/2"	71'-5 1/2"
10	13'-4"	-2'-5"	13'-6 1/2"	67 <th>51'-0 1/2"</th> <th>3'-0 1/2"</th> <th>51'-1 1/2"</th> <th>115</th> <th>71'-5 1/2"</th> <th>3'-0 1/2"</th> <th>71'-6"</th>	51'-0 1/2"	3'-0 1/2"	51'-1 1/2"	115	71'-5 1/2"	3'-0 1/2"	71'-6"
11	13'-7"	-6'-1"	14'-10 1/2"	68 <th>51'-0 1/2"</th> <th>7'-1 1/2"</th> <th>51'-6"</th> <th>116</th> <th>71'-5 1/2"</th> <th>7'-1 1/2"</th> <th>71'-9 1/2"</th>	51'-0 1/2"	7'-1 1/2"	51'-6"	116	71'-5 1/2"	7'-1 1/2"	71'-9 1/2"
12	13'-10 1/2"	6'-8 1/2"	15'-5"	69 <th>51'-0 1/2"</th> <th>15'-3 1/2"</th> <th>53'-3"</th> <th>117</th> <th>71'-5 1/2"</th> <th>19'-4 1/2"</th> <th>74'</th>	51'-0 1/2"	15'-3 1/2"	53'-3"	117	71'-5 1/2"	19'-4 1/2"	74'
13	15'-4 1/2"	1'-1 1/2"	15'-5"	70 <th>51'-0 1/2"</th> <th>19'-4 1/2"</th> <th>54'-7"</th> <th>118</th> <th>71'-5 1/2"</th> <th>23'-5 1/2"</th> <th>75'-2 1/2"</th>	51'-0 1/2"	19'-4 1/2"	54'-7"	118	71'-5 1/2"	23'-5 1/2"	75'-2 1/2"
14	16'-10 1/2"	-4'-5 1/2"	17'-5 1/2"	71 <th>51'-0 1/2"</th> <th>23'-5 1/2"</th> <th>56'-2"</th> <th>119</th> <th>71'-5 1/2"</th> <th>27'-6 1/2"</th> <th>76'-6 1/2"</th>	51'-0 1/2"	23'-5 1/2"	56'-2"	119	71'-5 1/2"	27'-6 1/2"	76'-6 1/2"
15	17'-5"	4'-8"	18'-0 1/2"	72 <th>51'-0 1/2"</th> <th>23'-5 1/2"</th> <th>56'-2"</th> <th>120</th> <th>73'-10"</th> <th>23'-5 1/2"</th> <th>77'-5 1/2"</th>	51'-0 1/2"	23'-5 1/2"	56'-2"	120	73'-10"	23'-5 1/2"	77'-5 1/2"
16	18'-11"	-11"	18'-11"	73 <th>51'-0 1/2"</th> <th>27'-6 1/2"</th> <th>57'-11 1/2"</th> <th>121</th> <th>73'-10"</th> <th>27'-6 1/2"</th> <th>78'-9 1/2"</th>	51'-0 1/2"	27'-6 1/2"	57'-11 1/2"	121	73'-10"	27'-6 1/2"	78'-9 1/2"
17	20'-4"	-4'-1 1/2"	20'-9"	74 <th>51'-0 1/2"</th> <th>27'-6 1/2"</th> <th>57'-11 1/2"</th> <th>122</th> <th>74'-10"</th> <th>20'-6 1/2"</th> <th>77'-7 1/2"</th>	51'-0 1/2"	27'-6 1/2"	57'-11 1/2"	122	74'-10"	20'-6 1/2"	77'-7 1/2"
18	20'-11 1/2"	2'-7 1/2"	21'-1 1/2"	75 <th>51'-0 1/2"</th> <th>15'-3 1/2"</th> <th>53'-3"</th> <th>123</th> <th>74'-10"</th> <th>22'-3"</th> <th>78'-1"</th>	51'-0 1/2"	15'-3 1/2"	53'-3"	123	74'-10"	22'-3"	78'-1"
19	21'-1"	24'-9 1/2"	32'-6 1/2"	76 <th>54'-8"</th> <th>1'</th> <th>54'-8"</th> <th>124</th> <th>75'-11 1/2"</th> <th>2"</th> <th>75'-11 1/2"</th>	54'-8"	1'	54'-8"	124	75'-11 1/2"	2"	75'-11 1/2"
20	21'-1"	9'-7"	23'-2"	77 <th>55'-1 1/2"</th> <th>11'-2 1/2"</th> <th>56'-3"</th> <th>125</th> <th>75'-11 1/2"</th> <th>1'-9 1/2"</th> <th>76'</th>	55'-1 1/2"	11'-2 1/2"	56'-3"	125	75'-11 1/2"	1'-9 1/2"	76'
21	21'-6 1/2"	-8'-7"	23'-2 1/2"	78 <th>55'-1 1/2"</th> <th>15'-3 1/2"</th> <th>57'-2"</th> <th>126</th> <th>83'-8 1/2"</th> <th>3'-0 1/2"</th> <th>83'-9"</th>	55'-1 1/2"	15'-3 1/2"	57'-2"	126	83'-8 1/2"	3'-0 1/2"	83'-9"
22	21'-7 1/2"	-6'-2"	22'-6"	79 <th>57'-2"</th> <th>20'-1"</th> <th>60'-7"</th> <th>127</th> <th>83'-8 1/2"</th> <th>7'-1 1/2"</th> <th>84'</th>	57'-2"	20'-1"	60'-7"	127	83'-8 1/2"	7'-1 1/2"	84'
23	23'-3 1/2"	20'-11 1/2"	31'-4"	80 <th>57'-2"</th> <th>22'-9"</th> <th>61'-6 1/2"</th> <td colspan="4">* IN GROUND 91708 EXTENSION REQUIRED</td>	57'-2"	22'-9"	61'-6 1/2"	* IN GROUND 91708 EXTENSION REQUIRED			



FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH*	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	72
B	1'-2" [35.56cm]	2'-6" [76.20cm]	40
N	1'-6" [45.72cm]	3'-6" [106.68cm]	10
*DEPTH IS MEASURED FROM FINISHED GRADE			



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DWA

Notes:
1. Hole depths indicated on all ground plans are measured from the finished surface. All footing dimensions are based on level finished surface.
2. On non-lettered holes, to ensure concrete requirements please refer to each components installation sheets.

Minimum Area Required:

0'X0"

Drawn By:
JDG
Date:
09/17/2024
GT Order #:
4261327

