

Council Creek LID Project
Supplemental Information
Playground Equipment Installation Instructions

Following is the instruction manual for the playground equipment that is part of the project. This manual is being provided as helpful information to the bidders.

IMPORTANT

Owner Information

Includes:

GameTime Warranties

Ground Plan

Hardware Listing

Assembly and Installation Instructions



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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



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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® 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, rails, loops, braces, and footbucks.
- ✓ Fifteen-Year limited warranty on rotationally-molded products.
- ✓ Ten-Year limited warranty on GTFit posts & bars.
- ✓ Ten-Year limited warranty on site furnishings.
- ✓ Ten-Year limited warranty on integrated GTShade® products.
- ✓ Ten-Year limited warranty on fiberglass and DHPL signage.
- ✓ Ten-Year limited warranty on pressure-treated pine and redwood products.
- ✓ Five-Year limited warranty on glass fiber reinforced concrete PlayWorx structures.
- ✓ Five-Year limited warranty on glass fiber reinforced polymer Tuff Forms sculptures.
- ✓ Five-Year limited warranty on nylon-covered cable net climbers and components.
- ✓ Five-Year limited warranty on GT Symphony Freenotes™ Harmony Park components.
- ✓ Five-Year limited warranty on Super Seats™.
- ✓ Three-Year limited warranty on Everybody Plays polyurea coated foam & rubber strips.
- ✓ Three-Year limited warranty on SaddleMates® rubber and "C"-springs.
- ✓ Two-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® AND IONiX®

GameTime provides a lifetime limited warranty on PowerScape Tru-Loc® connections, upright posts; and PrimeTime, IONiX and Xscape bolt-through connections; a fifteen-year warranty on metal decks, pipes, rails, loops, and rungs; ten-year limited warranty on EDPM rubber components; and a one-year limited warranty on powder coated parts. 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 AND THERMO-FORMED POLYETHYLENE PRODUCTS

GameTime provides a fifteen-year limited warranty on rotomolded polyethylene products and 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 or thermo-formed polyethylene 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 NET CLIMBERS AND COMPONENTS

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 cause the product to become structurally unfit for the intended use; see exclusions.

LIMITED WARRANTY ON INTEGRATED GTSHADE® PRODUCTS

GameTime provides a ten-year limited warranty on fabric canopies against tears, runs, cracking, mildew and color fading except for red, which has a three-year color warranty. Canopies have a limited warranty against structure failure due to wind of up to 90 miles per hour (mph) and structural failure due to snow and ice loading not exceeding five pounds per square foot. Fabric canopies are to be removed if winds are expected to exceed 90 mph or when snow or ice is expected. Fabric warranty does not cover damage resulting from chemical contact. All metal upright posts and support structure framing have a ten-year limited warranty against becoming structurally unfit for the use intended and a one-year limited warranty against rusting and workmanship of painted surfaces. Warranty is limited to winds of up to 90 mph when fabric canopies are installed (wind resistance improves 10 to 20 mph without canopies).

LIMITED WARRANTY ON SITE FURNISHINGS

GameTime provides a ten-year limited warranty on site furnishings against structural failure and a one-year limited warranty on powder coating. 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 FIBERGLASS SIGNAGE AND HDPE PANELS

GameTime provides a ten-year limited warranty on fiberglass and digital high pressure laminate (DHPL) sign panels against delaminating, peeling, blistering, cracking or fading and a five-year limited warranty on high density polyethylene (HDPE) panels against degradation and discoloration under normal wear and usage.

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 EVERYBODY PLAYS COMPONENTS

GameTime provides a three-year limited warranty on Everybody Plays polyurea coated foam and rubber strip components that render the products unusable for their intended use.

LIMITED WARRANTY ON PLAYWORX GFRC THEMED PLAY STRUCTURES

GameTime provides a five-year limited warranty on PlayWorx glass fiber reinforced concrete (GFRC) themed play structures against structural failure that cause 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 TUFF FORMS GFRP THEMED PLAY SCULPTURES

GameTime provides a five-year limited warranty on Tuff Forms glass fiber reinforced polymers (GFRP) themed play sculptures against structural failure that cause 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 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, clamps, and Challenge Course timing systems; and a one-year limited warranty on cycle rib belts and powder coating. 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.

TEN-YEAR LIMITED WARRANTY ON REDWOOD AND PRESSURE-TREATED WOOD PRODUCTS

GameTime provides a ten-year limited warranty on redwood and pressure-treated wood products against damage by decay or termites causing the wood to become structurally unfit for its intended use; see exclusions.

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 cause 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.

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; and wood replacement resulting from twisting, warping, checking, shrinking, swelling or other natural physical properties of wood.

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.

Since warranty limitations and exclusions may vary from state to state, you should check any specific warranty rights in your state.

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.

	<p>WARNING</p> <p>Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury from falls.</p>
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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 places 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.

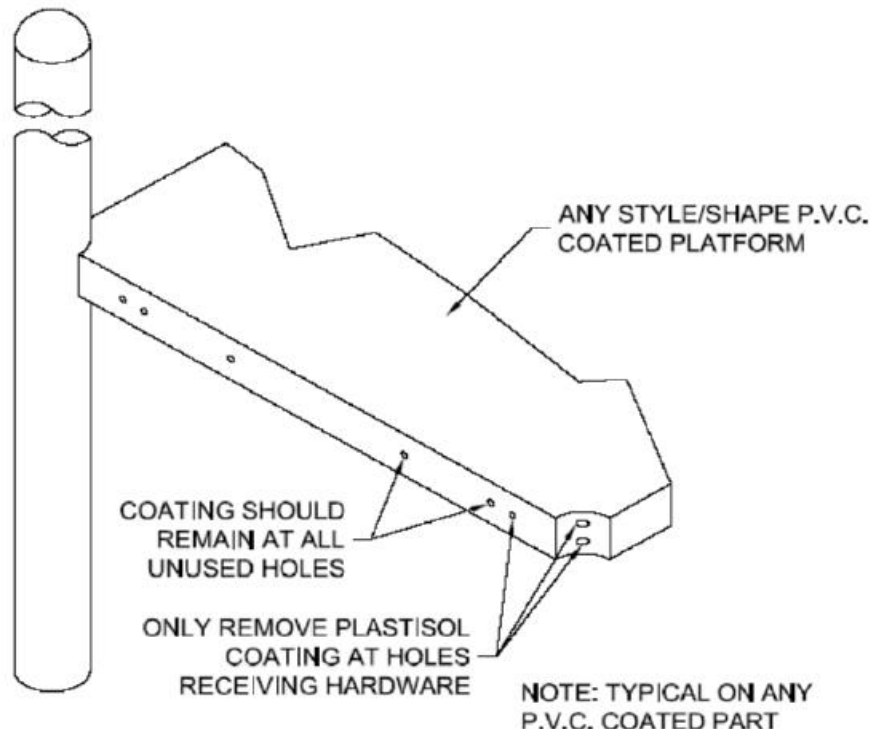
Assemble all slides on level ground to insure proper exit height of slide bed way. The exit portion of the bed way should slope downward.

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.



Fact Sheet

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:

U.S. Consumer Product Safety Commission

Washington D.C. 20207

Hotline: 1-800-638-2772



- 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.

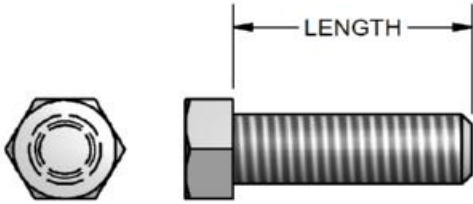
For more detailed information on playground safety, refer to the CPSC's Handbook for Public Playground Safety. To obtain a copy, send a postcard with your name, address, and name of the publication desired to: U.S. Consumer Product Safety Commission, Washington, D.C. 20207.

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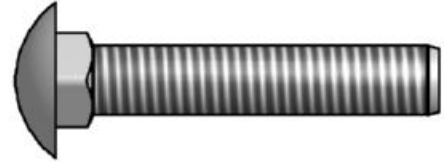
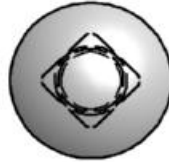
TYPICAL HARDWARE KEY

(FOR IDENTIFICATION OF PARTS)

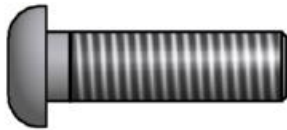
NOTE: ALL BOLT AND SCREW LENGTHS ARE DETERMINED BY SHAFT LENGTH, AS DIMENSIONED BELOW



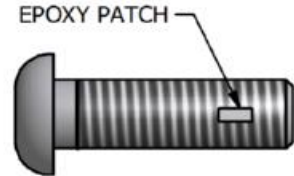
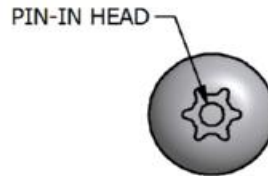
HEX HEAD BOLT



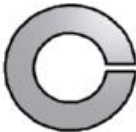
CARRIAGE BOLT



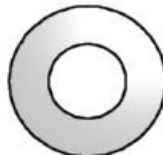
BUTTON HEAD CAP SCREW
(B.H.C.S.)



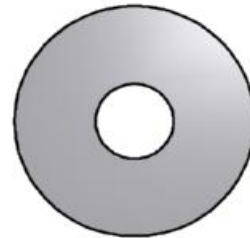
PIN-IN BUTTON HEAD CAP SCREW w/
PATCH (P.B.H.C.S. w/PATCH)



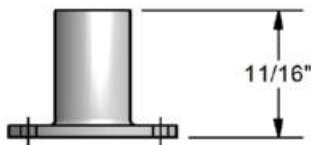
3/8" LOCKWASHER
(817334)



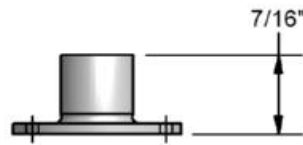
3/8" FLATWASHER
(817410)



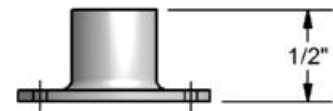
3/8" FLATWASHER
(1 1/4" O.D.)
(817424)



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.

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

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

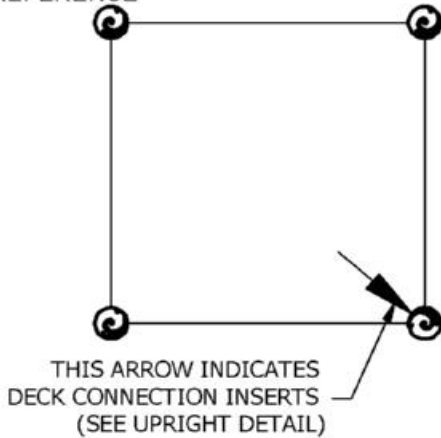
1-800-235-2440

ISSUED/REVISED: 3/14/2018

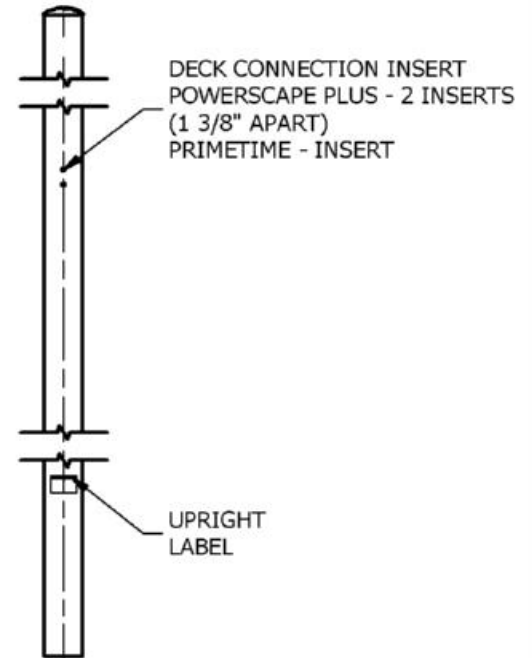
UPRIGHT LABEL DETAIL

⬡ = INSTALLATION
DETAIL

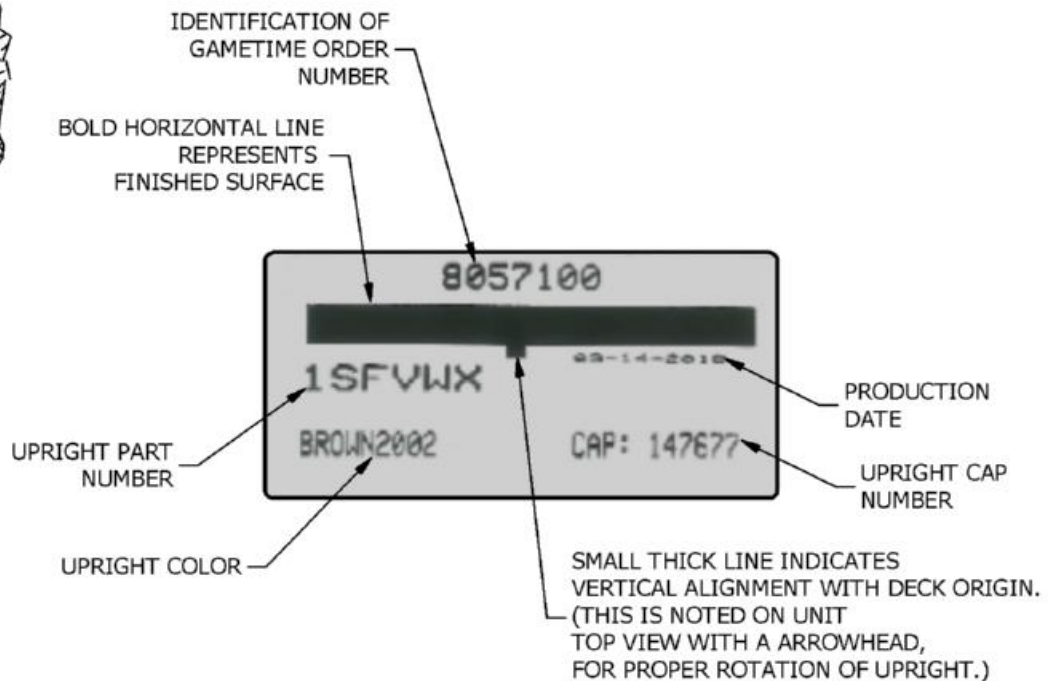
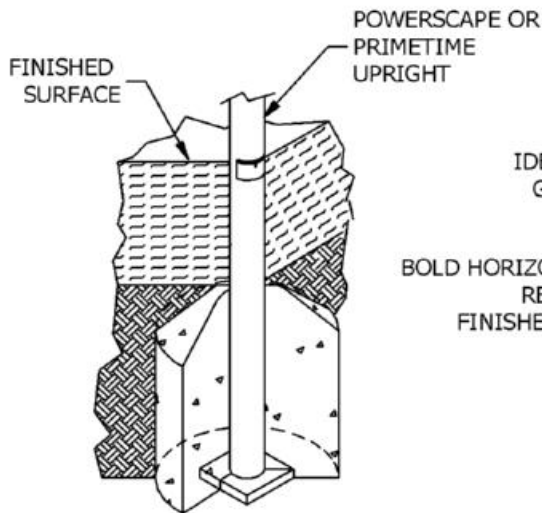
○ = PARTS LIST
REFERENCE



MODULAR TOP VIEW REFERENCE



UPRIGHT DETAIL



81753 SURFACE MOUNT INSTALLATION INSTRUCTIONS

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

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

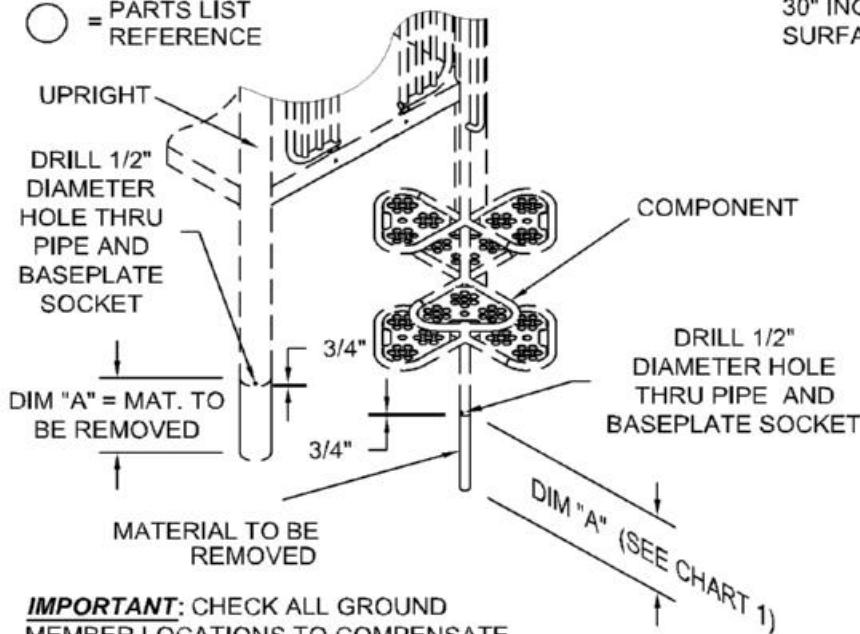


CHART 1

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"

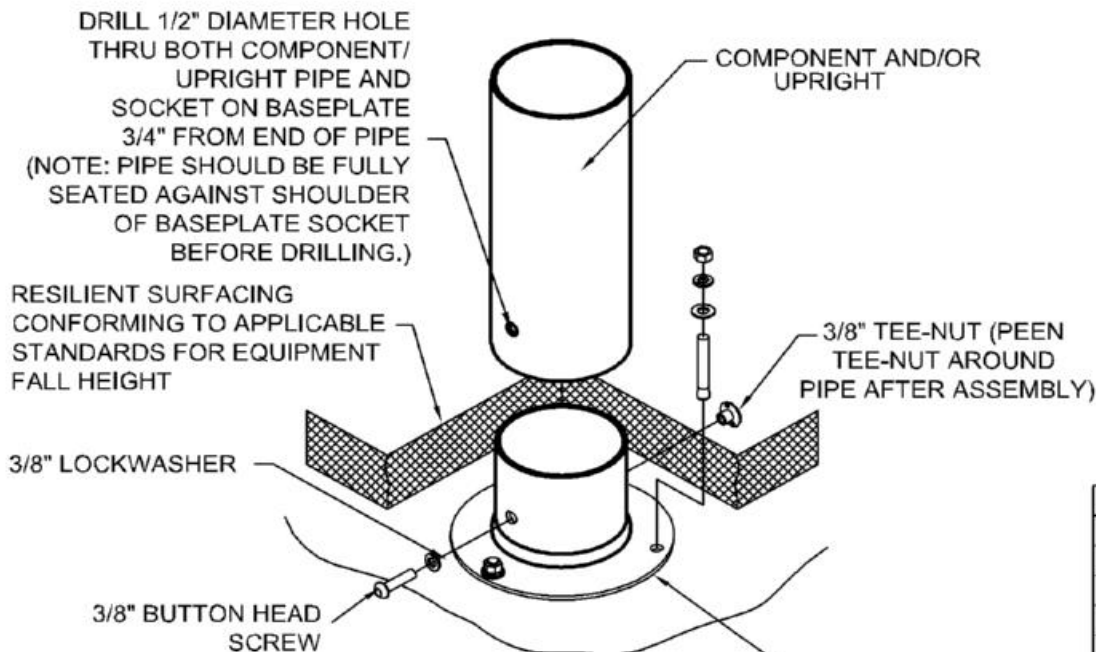
NOTES:

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"

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

DETAIL 1

(FOR SURFACE MOUNT INSTALLATIONS)



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.

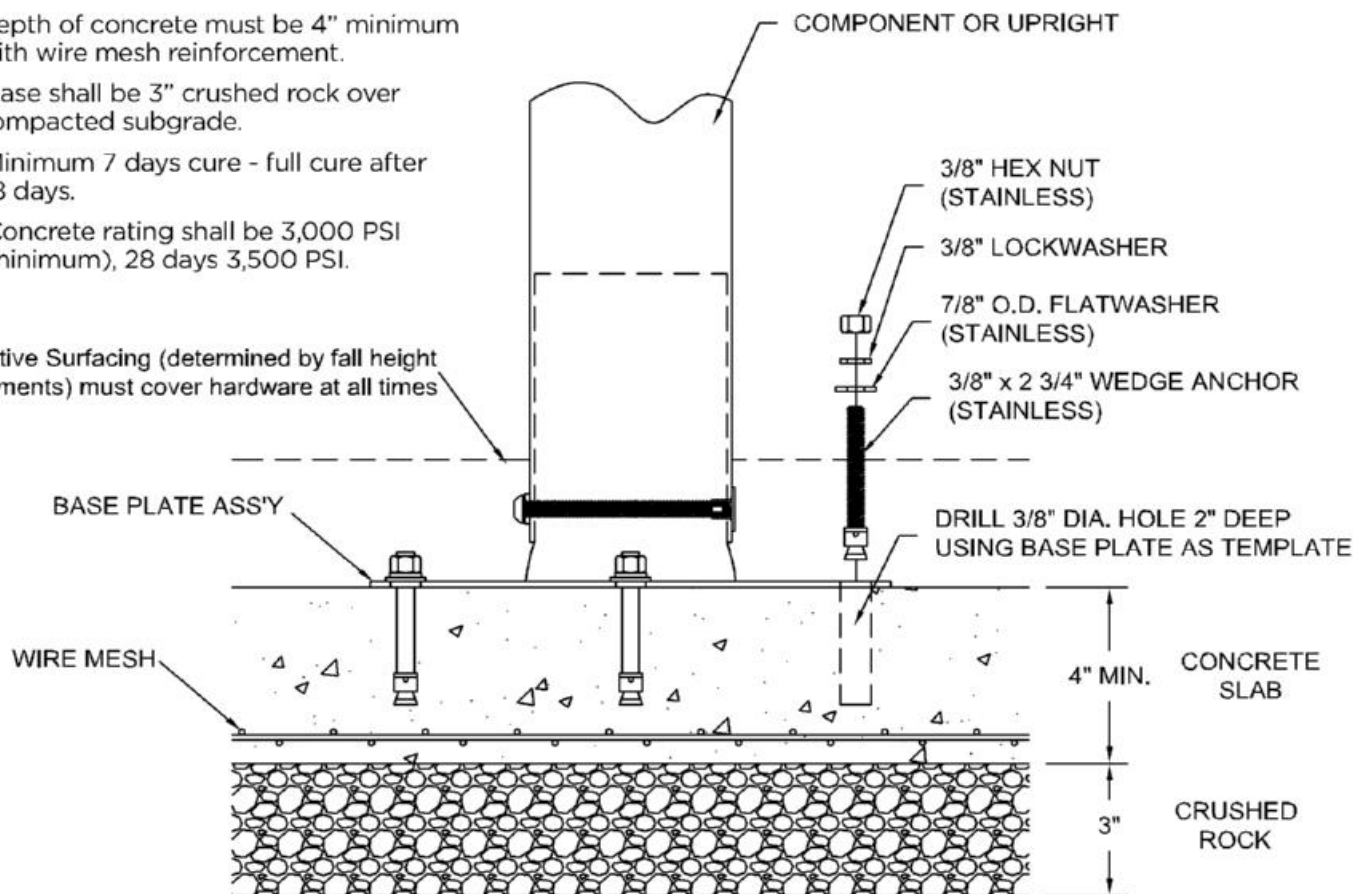
NOTE: Core holes can be created prior concrete pour by using pilling forms to create a void when pouring. See Detail 4.

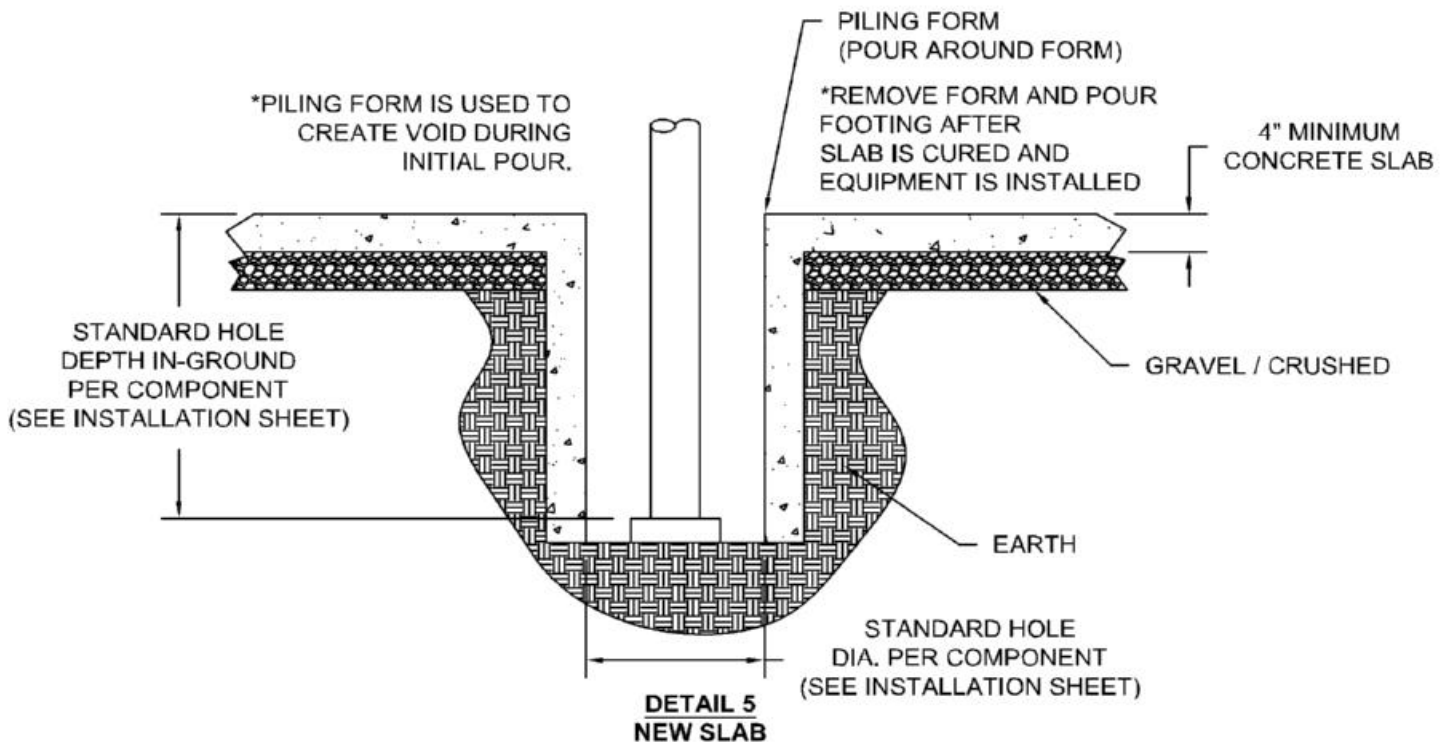
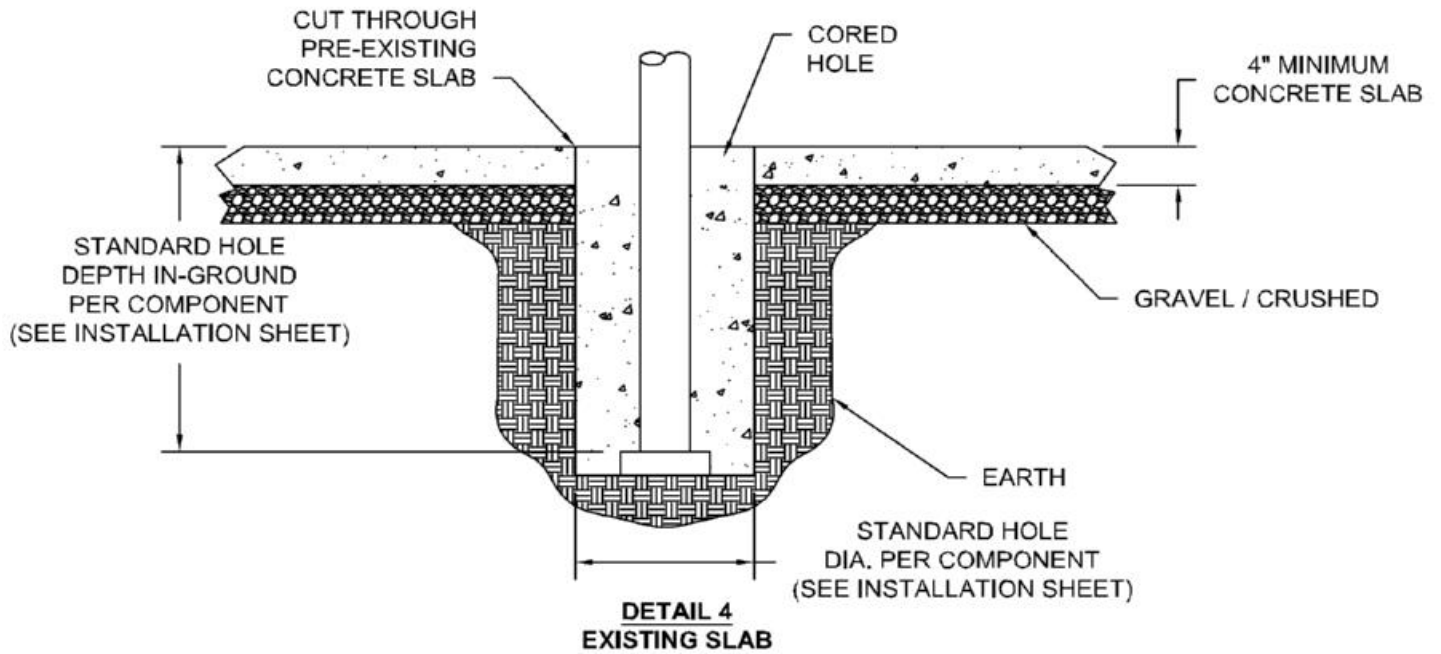
NOTE: If a base plate interfaces with an insert required for a below deck component that base plate will require a notch to be applied in the field.

CONCRETE SPECIFICATIONS

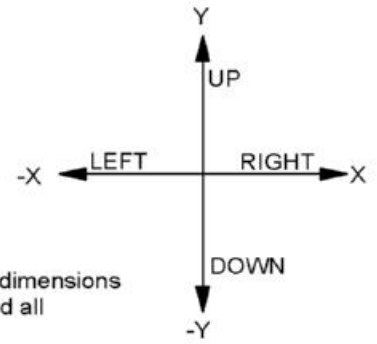
1. Depth of concrete must be 4" minimum with wire mesh reinforcement.
2. Base shall be 3" crushed rock over compacted subgrade.
3. Minimum 7 days cure - full cure after 28 days.
4. Concrete rating shall be 3,000 PSI (minimum), 28 days 3,500 PSI.

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





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.

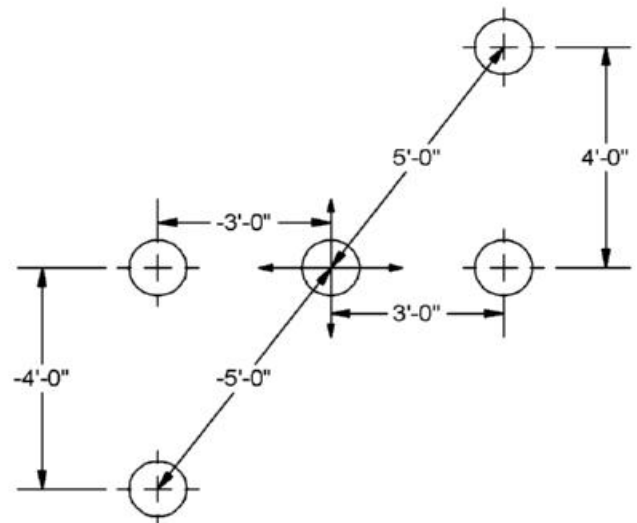
-Use a third tape to measure the diagonal dimension. Secure the end of the third tape at the start point. Extend the third tape out to the specified dimension stated in the "DIAG" column (-5' -0") of the Footings Ordinate Table for Hole #2.

-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"



PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 2/29/2016

DEEPER INGROUND INSTALLATION INSTRUCTIONS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

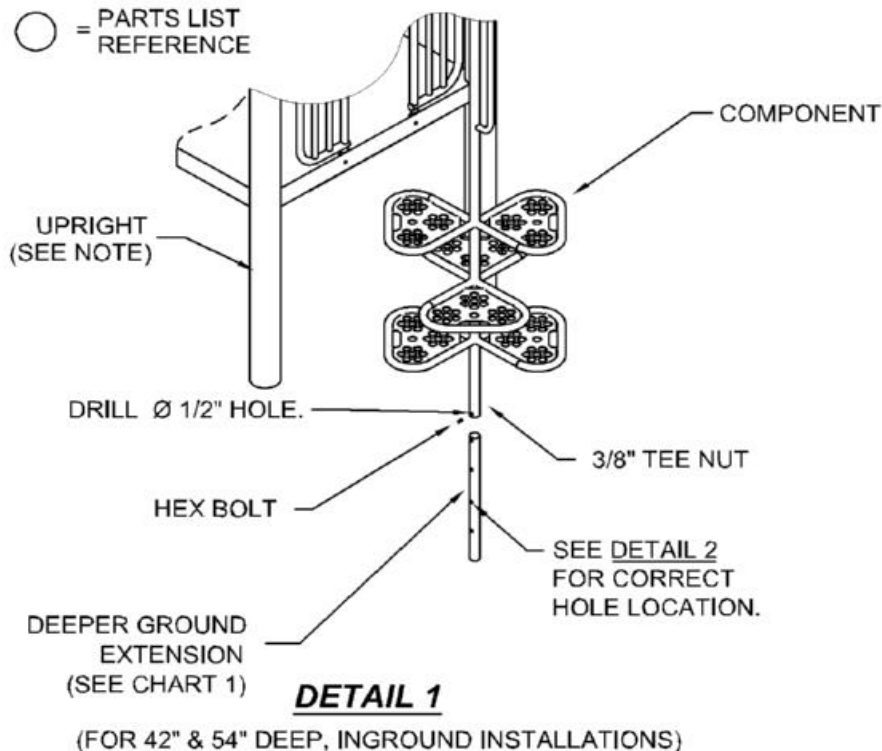
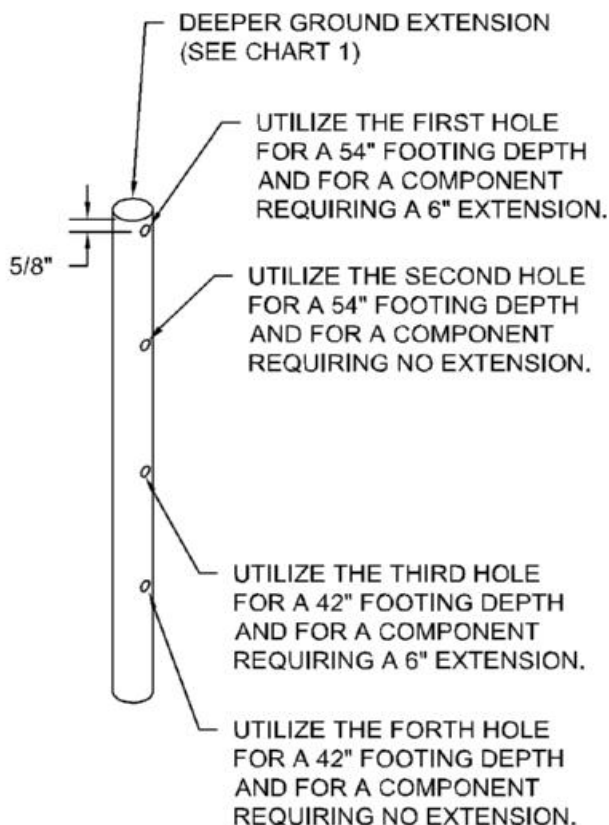


CHART 1

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





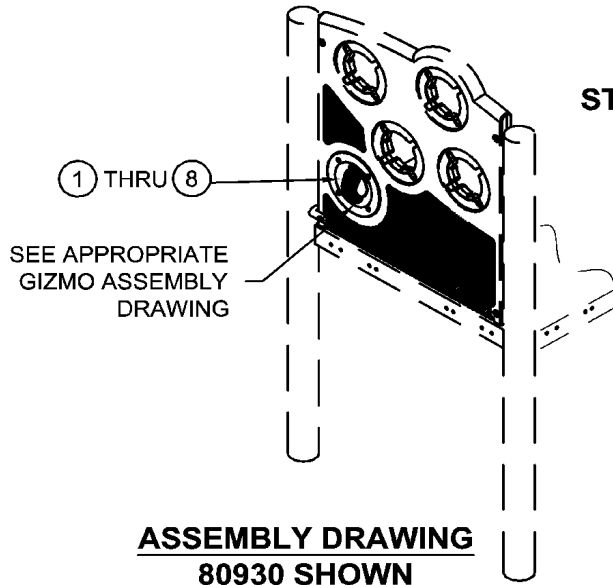
Enriching Childhood Through Play.
1-800-235-2440

4839

**GIZMO
ASSEMBLIES**

ISSUED/REVISED: 09/23/13

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



CLICK WHEEL ASS'Y	4839
ANSWER WHEEL ASS'Y	4840
MAZE WHEEL ASS'Y	4841
ECHO CHAMBER ASS'Y	4842
FLAT MIRROR ASSEMBLY	4843
STAINED GLASS ASSEMBLY - RED	4845
STAINED GLASS ASSEMBLY -YELLOW	4846
HYPNO WHEEL ASSEMBLY	4847

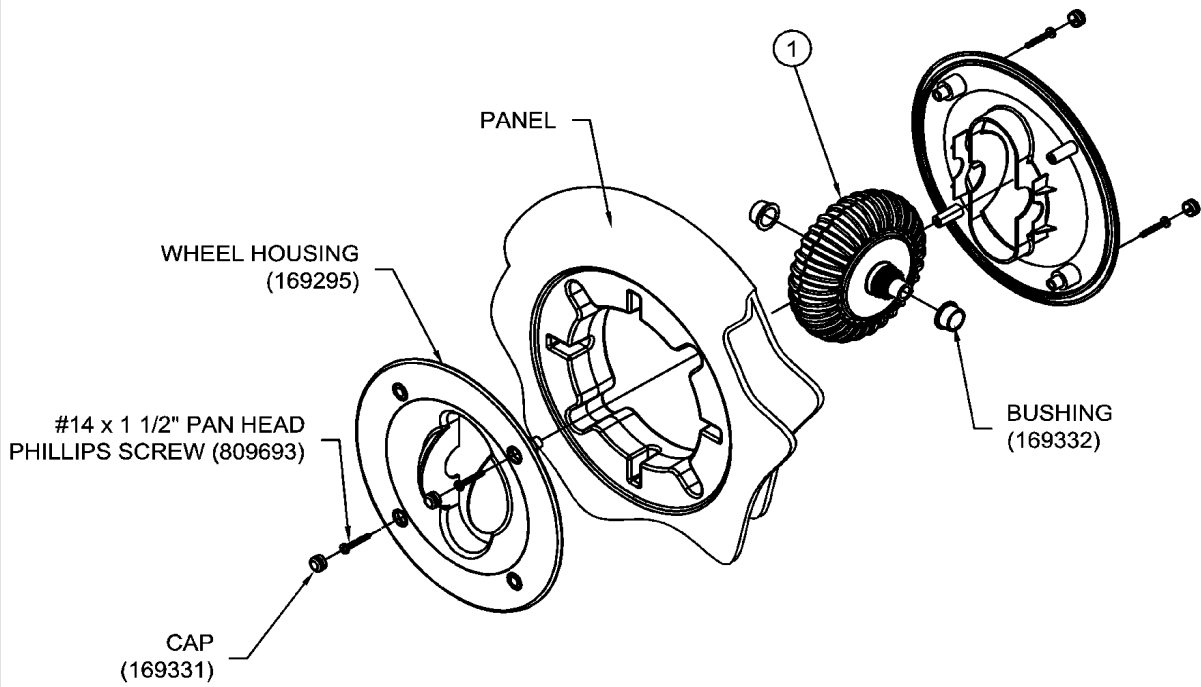
PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D								PART NUMBER
		4839	4840	4841	4842	4843	4845	4846	4847	
1	Click Wheel Ass'y	1	0	0	0	0	0	0	0	169693
2	Answer Wheel Ass'y	0	1	0	0	0	0	0	0	169694
3	Maze Wheel Ass'y	0	0	1	0	0	0	0	0	169695
4	Echo Chamber Ass'y	0	0	0	1	0	0	0	0	169696
5	Flat Mirror Ass'y	0	0	0	0	1	0	0	0	169299
6	Stained Glass Ass'y-Red	0	0	0	0	0	1	0	0	169697
7	Stained Glass Ass'y-Yellow	0	0	0	0	0	0	1	0	169297
8	Hypno Wheel Ass'y	0	0	0	0	0	0	0	1	177742
	Wheel Housing	2	0	0	0	0	0	0	0	169295**
	Window Housing	0	2	2	2	2	2	2	2	169289**
	Cap	4	4	4	4	4	4	4	4	169331**
	Bushing	2	0	0	0	0	0	0	0	169332**
	#14 x 1-1/2" Screw	4	4	4	4	4	4	4	4	809693**

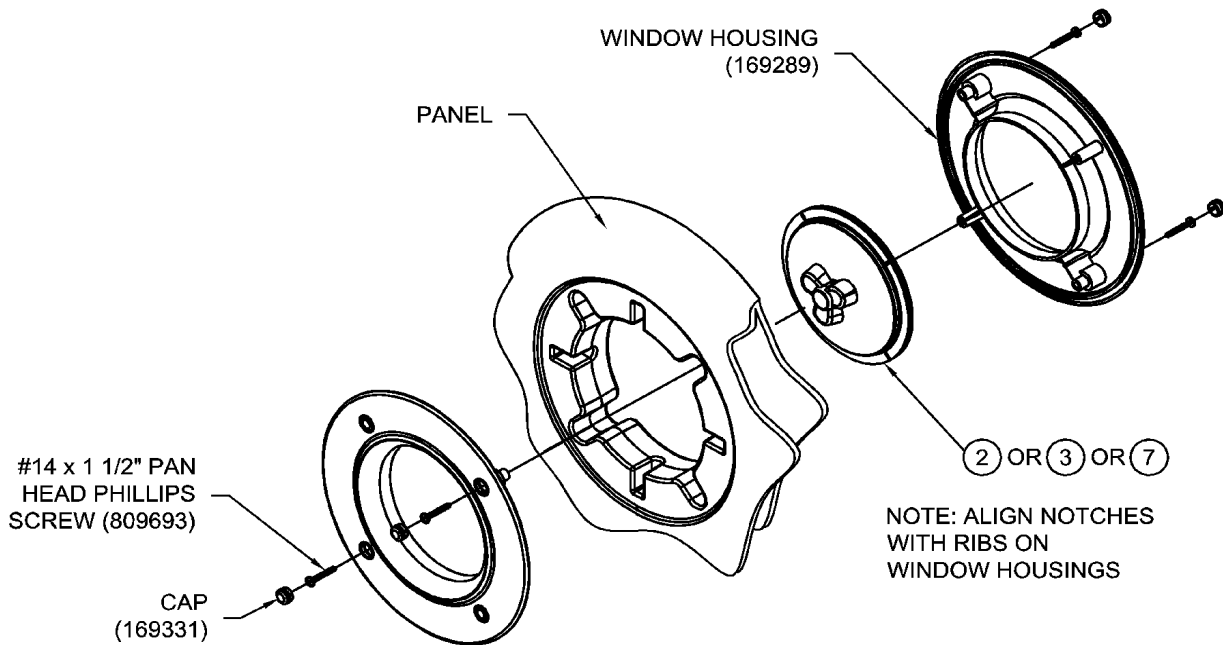
*Unless Otherwise Specified, All Units of Measure are Each
** Included in Assembly*

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

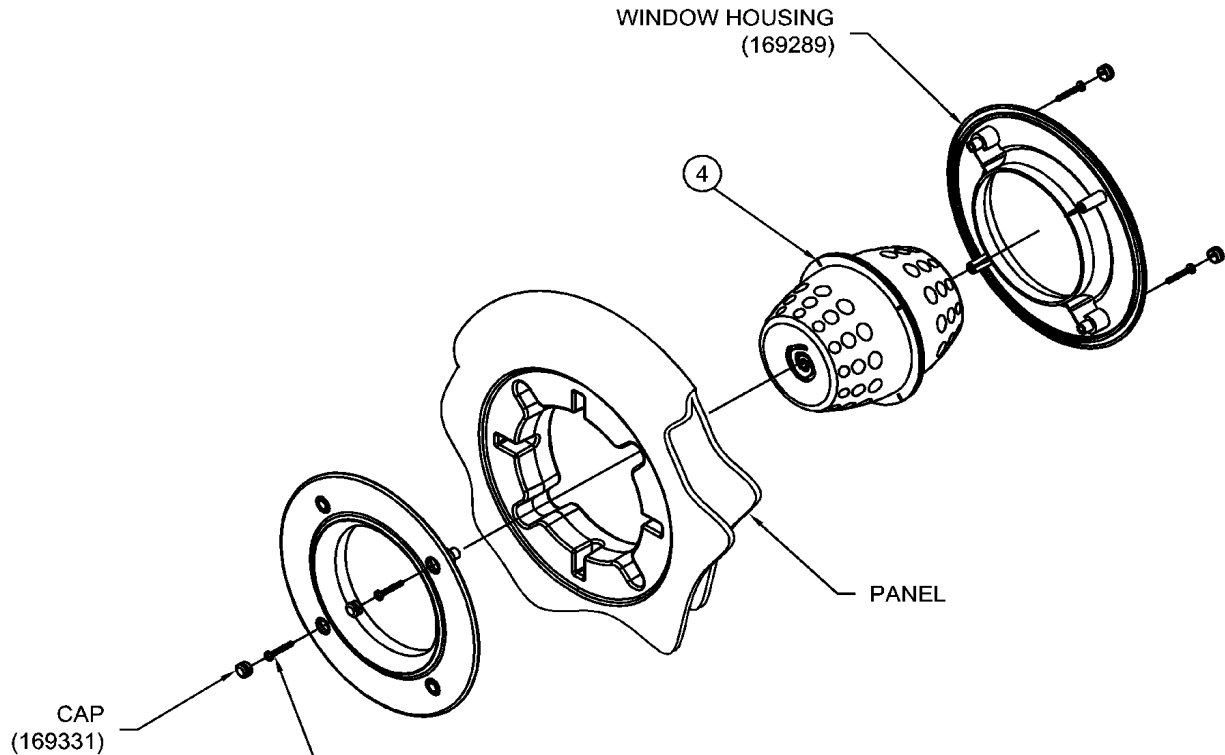
Note: Loctite (supplied by others) should be used on all threaded hardware.



ASSEMBLY DRAWING
4839



ASSEMBLY DRAWING
4840/4841/4847

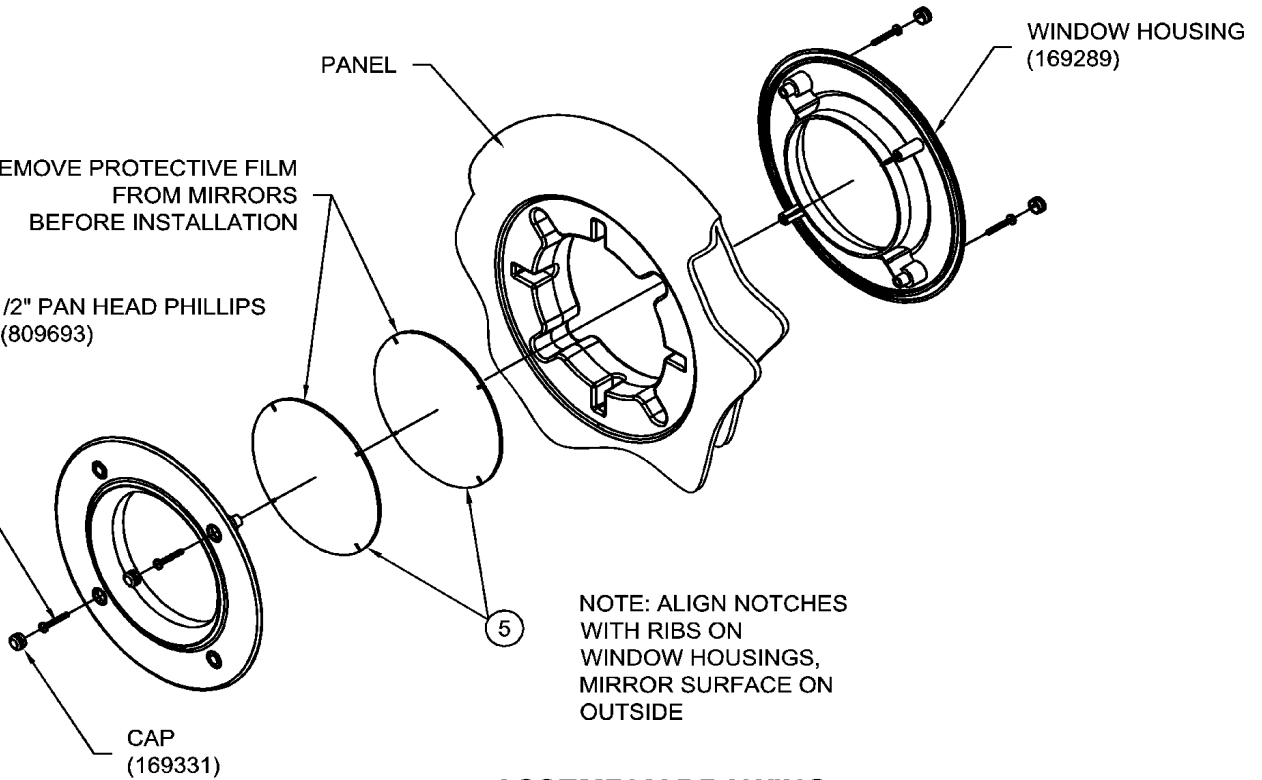


ASSEMBLY DRAWING
4842

#14 x 1 1/2" PAN HEAD PHILLIPS
SCREW (809693)

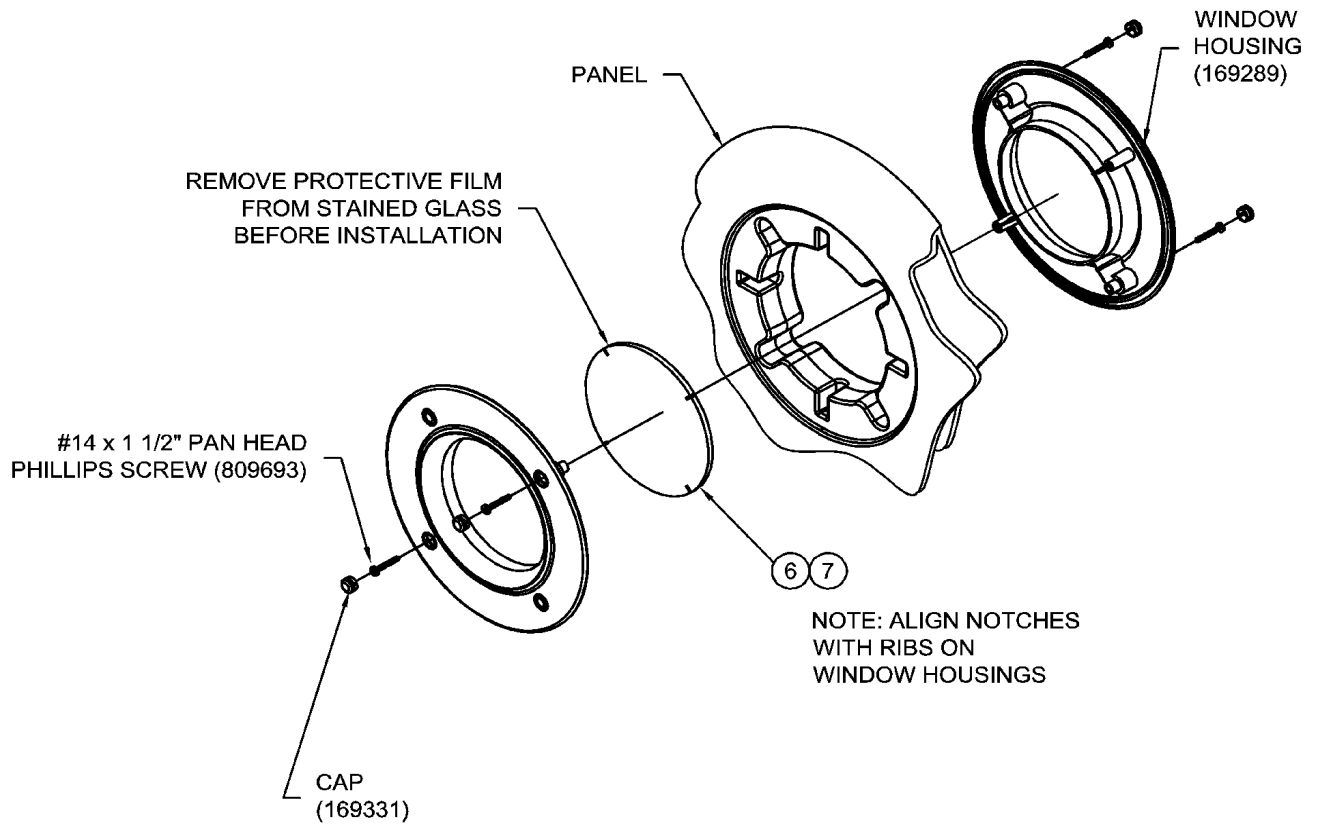
REMOVE PROTECTIVE FILM
FROM MIRRORS
BEFORE INSTALLATION

#14 x 1 1/2" PAN HEAD PHILLIPS
SCREW (809693)



NOTE: ALIGN NOTCHES
WITH RIBS ON
WINDOW HOUSINGS,
MIRROR SURFACE ON
OUTSIDE

ASSEMBLY DRAWING
4843



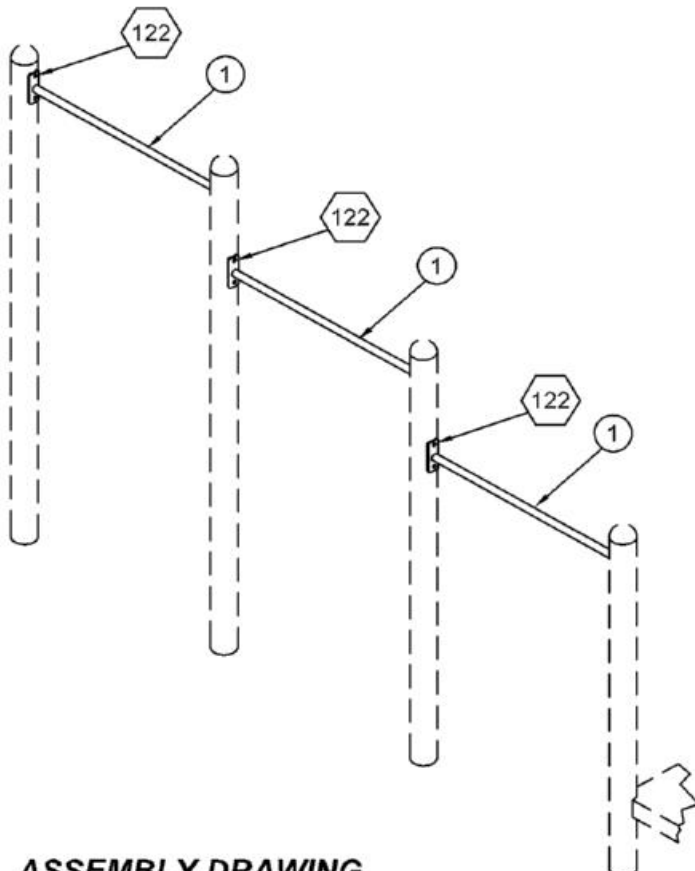
ASSEMBLY DRAWING
4845/4846

12201 CHINNING BARS

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

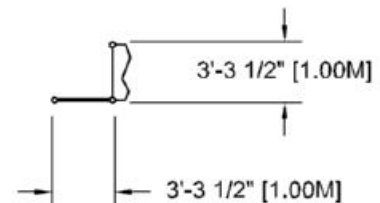
COMPONENTS SHOWN UTILIZE ALUMINUM UPRIGHTS. FOR GALVANIZED, ADD "G" PREFIX TO FINAL NUMBER

ONE-LEVEL 12201
TWO-LEVEL 12202
THREE-LEVEL 12203

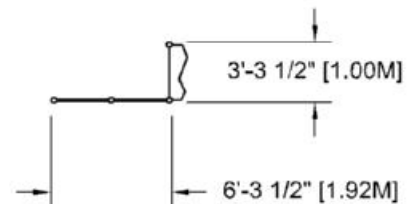


ASSEMBLY DRAWING

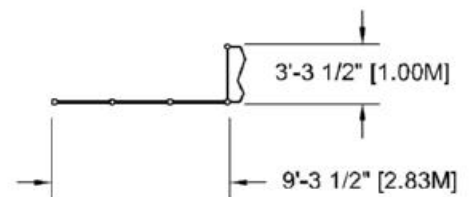
PARTS LIST



12201



12202



12203
TOP VIEWS

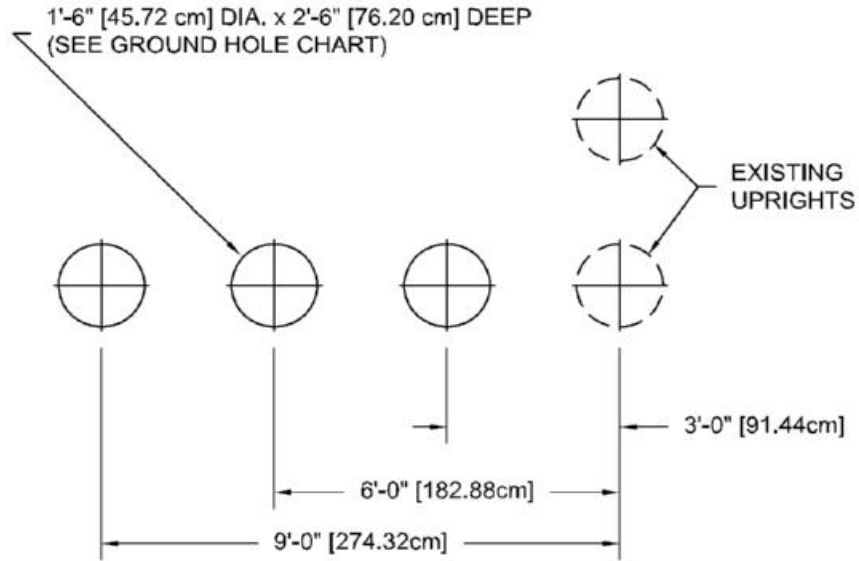
REF NO.	DESCRIPTION	No. REQUIRED			PART NUMBER
		12201	12202	12203	
1	Horizontal Rung	1	2	3	205945
	Upright Ass'y	SEE TOP VIEW OF YOUR MODULAR UNIT FOR PROPER UPRIGHT IDENTIFICATION			
	Hardware Complete	1	0	0	205946
	Hardware Complete	0	1	0	205947
	Hardware Complete	0	0	1	151924
	3/8" x 1 1/4" B.H.C.S.	4	8	12	811051*
	3/8" Lockwasher.	4	8	12	817334*
	3/8" Flatwasher.	4	8	12	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.

PART NO.	QTY.
12201	1
12202	2
12203	3



GROUND PLAN

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

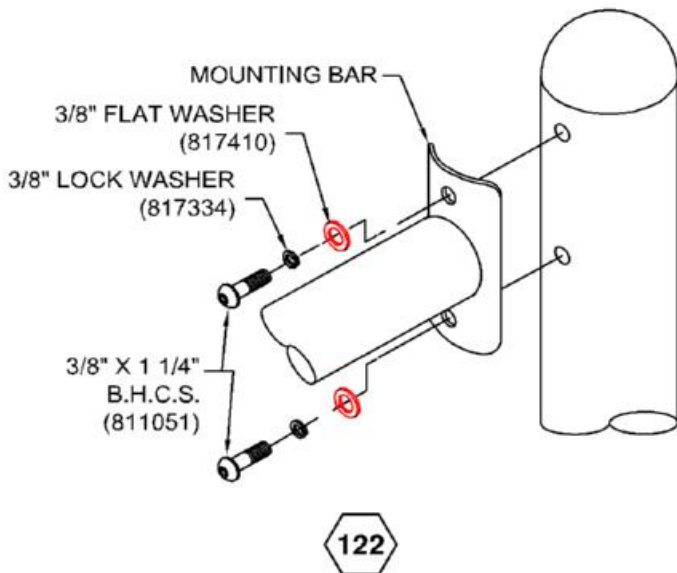
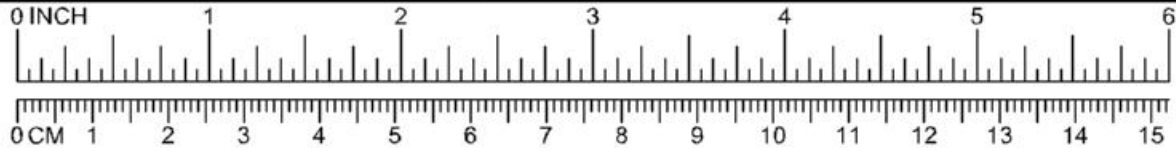
CONCRETE REQUIRED:
 2'-6" [76.20cm] FOOTING DEPTH
 12201
 .10 CUBIC YARDS
 [.07 CUBIC METERS]
 12202
 .20 CUBIC YARDS
 [.15 CUBIC METERS]
 12203
 .30 CUBIC YARDS
 [.22 CUBIC METERS]



DETAILS -for- 12201, 12201, & 12203

IMPORTANT

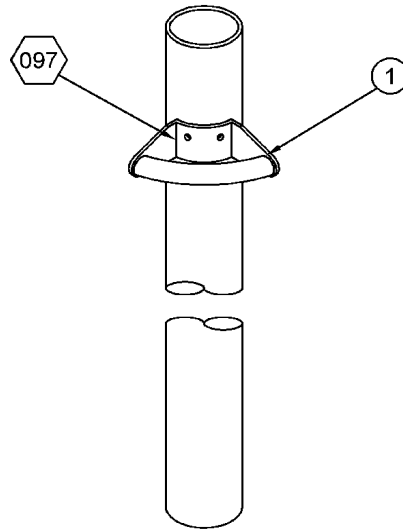
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



 = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

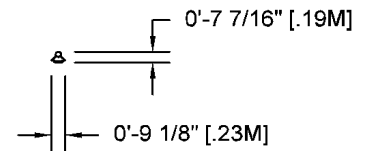
NOTE: 3' THRU 6'



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. 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

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Crunch Bar Assembly	1	169883
	Hardware Complete	1	151319
	3/8" X 1 1/4" B.H.C.S.	2	811051*
	3/8" Lockwasher	2	817334*

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

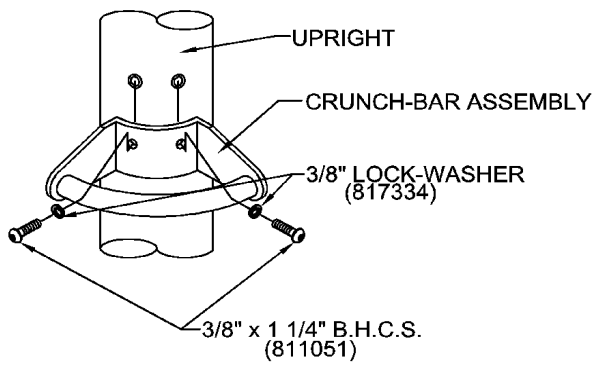
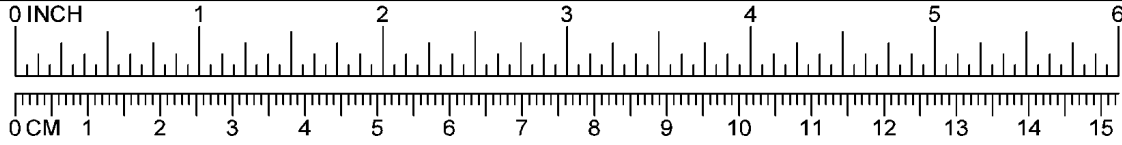
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 12215

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.



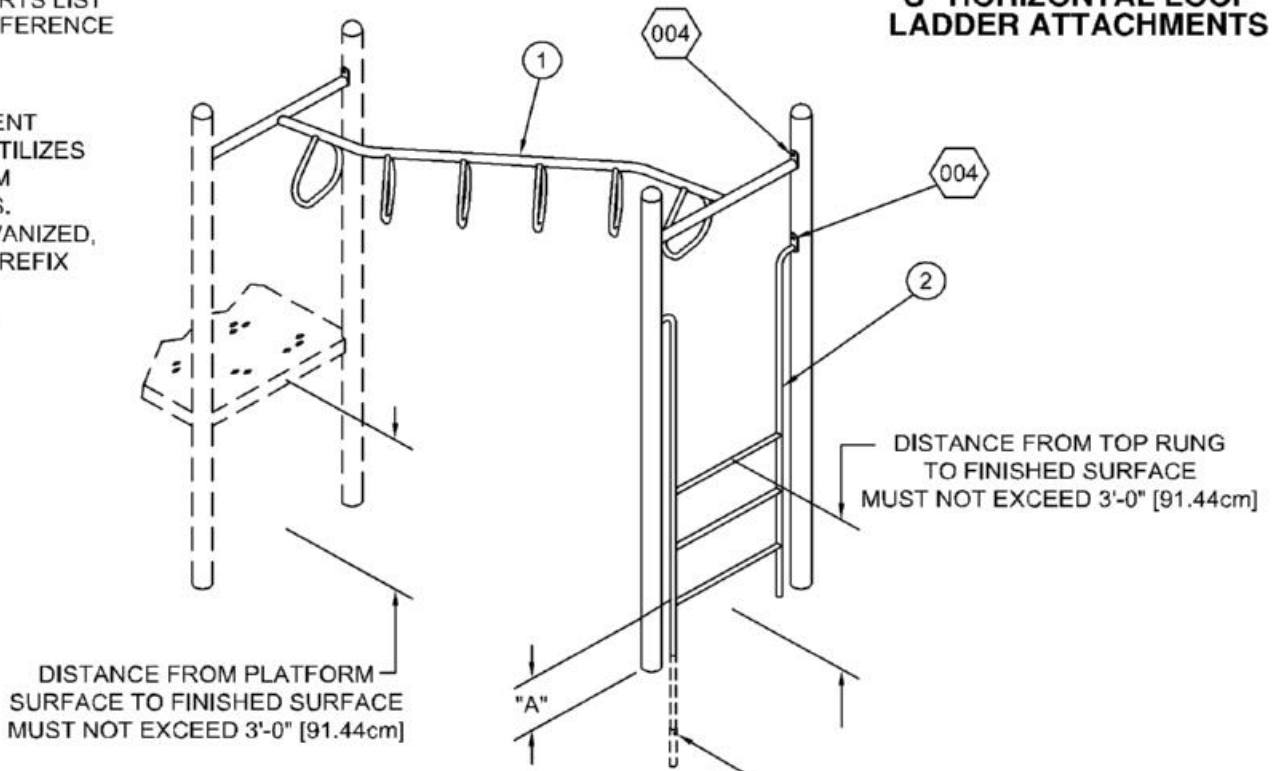
097

**HORIZONTAL
LOOP
LADDER**

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

COMPONENT SHOWN UTILIZES ALUMINUM UPRIGHTS. FOR GALVANIZED, ADD "G" PREFIX TO FINAL NUMBER.

NOTE: 12222 - 1'-6"/2'-0"
12223 - 2'-6"/3'-0"
"S" HORIZONTAL LOOP LADDER ATTACHMENTS



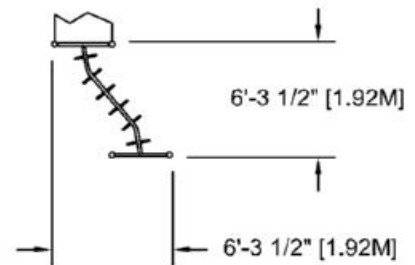
ASSEMBLY DRAWING

2' & 3' DECKS ONLY

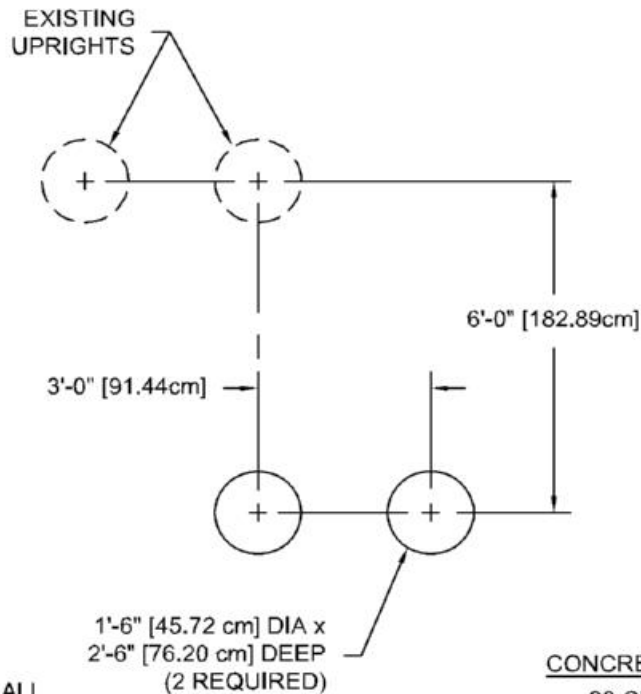
Deck Height	Dim "A"
1'-6" & 2'-6"	0'-6" [15.24cm]
2'-0" & 3'-0"	1'-0" [30.48cm]

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



TOP VIEW



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 .20 CUBIC YARDS
 [.15 CUBIC METERS]

GROUND PLAN

PARTS LIST

REF. NO.	DESCRIPTION	No. REQ'D.		PART NUMBER
		12222	12223	
1	"S" Horizontal Ladder	1	1	151043
2	Vertical Ladder (Long)	0	1	151039
2	Vertical Ladder (Short)	1	0	151138
	Upright — See Top View of Your Modular Unit for Proper Upright Identification			
	Upright			
	Hardware Complete	1	1	152111
	3/8" x 1 1/4" B.H.C.S.	6	6	811051*
	3/8" x 2" Hex Bolt	2	2	801007*
	3/8" Lockwasher	8	8	817334*
	3/8" Hex Nut	2	2	804053*
	3/8" Flatwasher	6	6	817410*
	Extension Leg	2	2	152110*

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

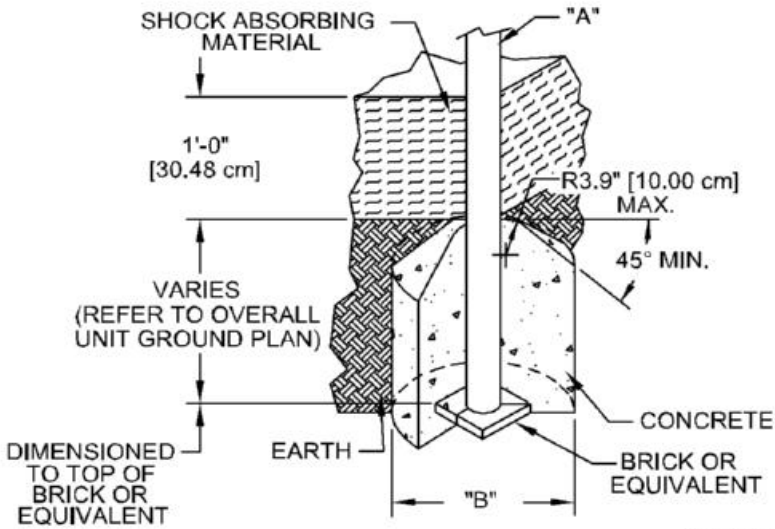
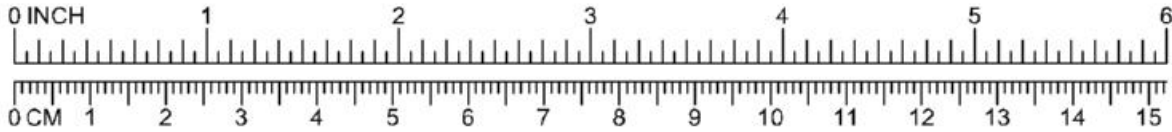
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 12222 & 12223

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.



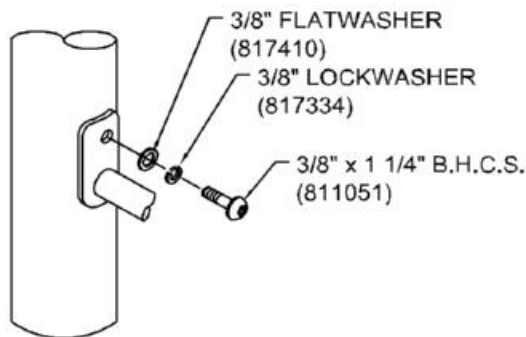
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

NOTES:

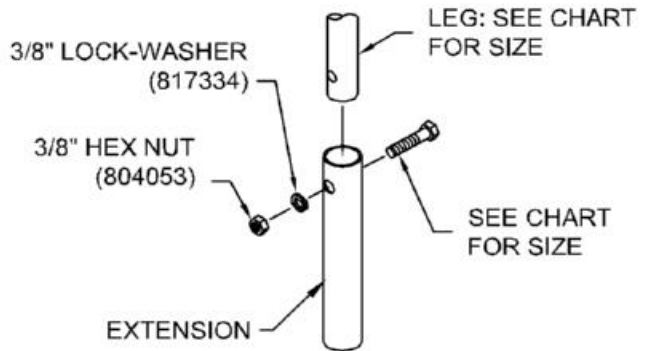
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.





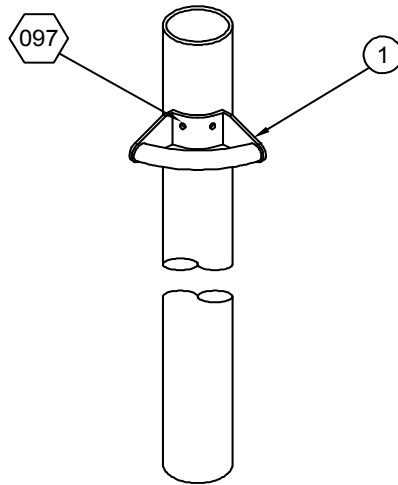
004



064

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

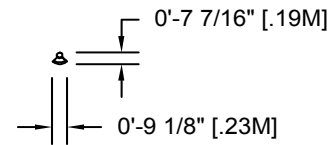
-  = INSTALLATION
 DETAIL
-  = PARTS LIST
 REFERENCE



ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

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

PARTS LIST

REF NO.	DESCRIPTION	No. PART REQ'D	PART NUMBER
1	Crunch Bar Assembly	1	169883
	Hardware Complete	1	151319
	3/8" X 1 1/4" B.H.C.S.	2	811051*
	3/8" Lockwasher	2	817334*

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

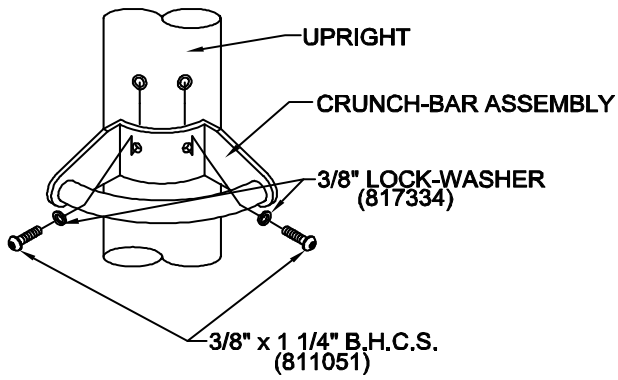
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 13540

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.

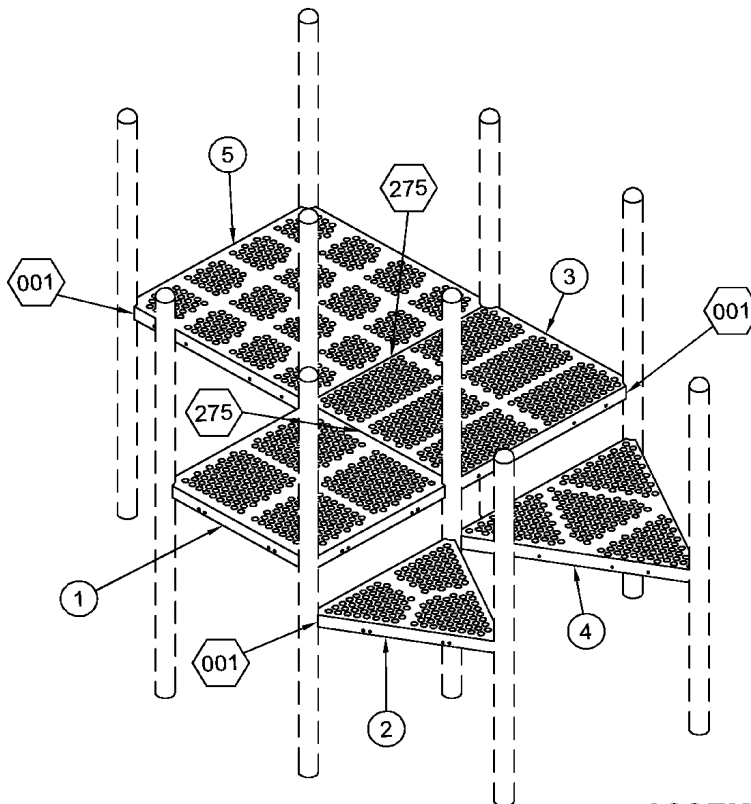
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



097

⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE

NOTE: 18200 SQUARE
18201 TRIANGULAR
18202 RECTANGULAR
18203 LARGE TRIANGULAR
18250 LARGE SQUARE

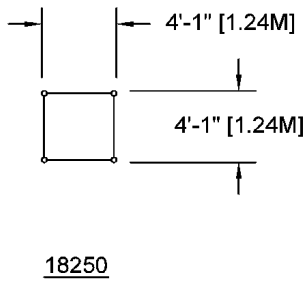
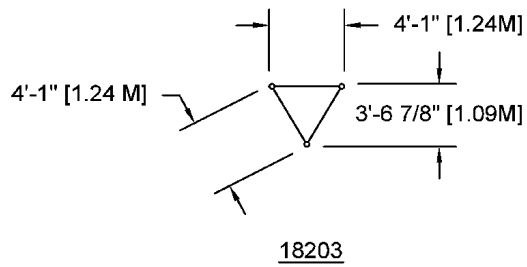
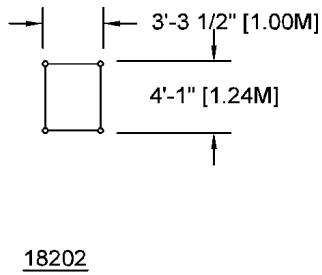
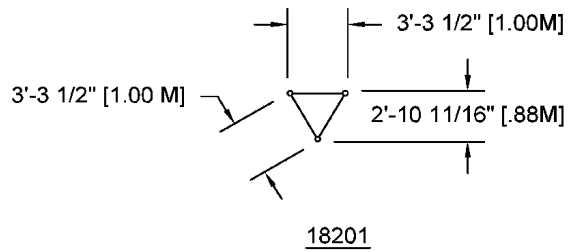
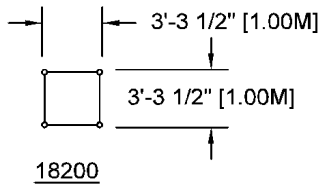


ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

- 1.) Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
- 2.) Using a 1/2" [1.27 cm] drill bit, remove the vinyl coating from the four corner mounting holes. When decks are to be installed side by side at the same level, remove the coating from the (2) holes in the mating edges; for a rectangular deck, use the (2) holes nearest the middle.
- 3.) Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
- 4.) Loctite (supplied by others) should be used on any non-patch hardware.

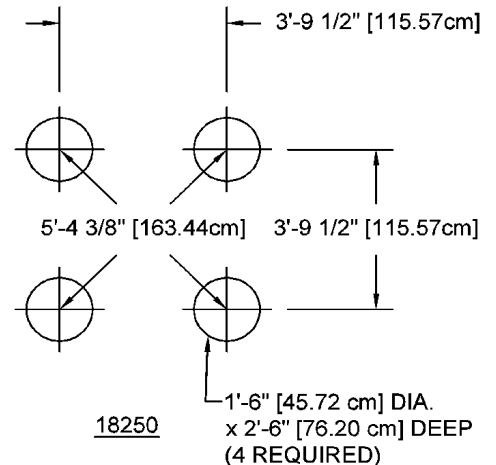
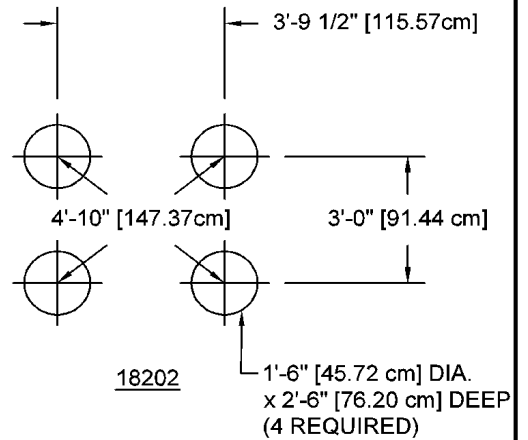
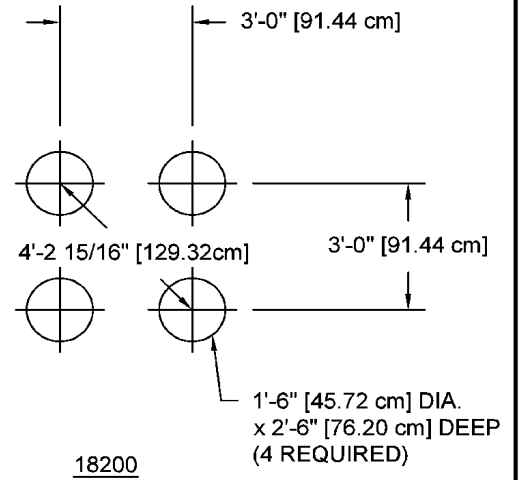
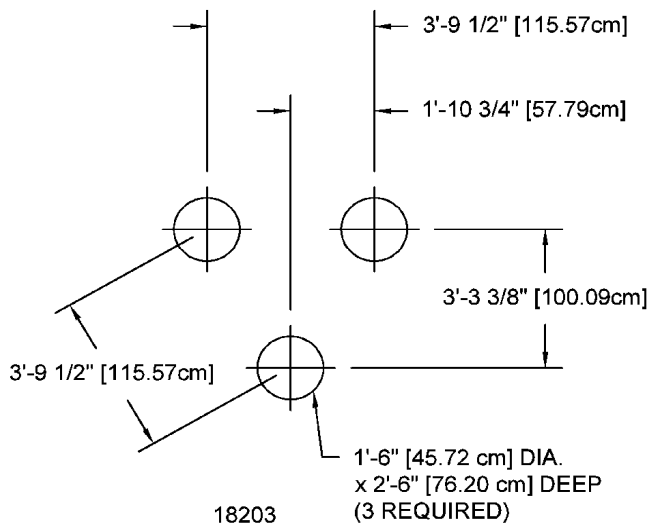
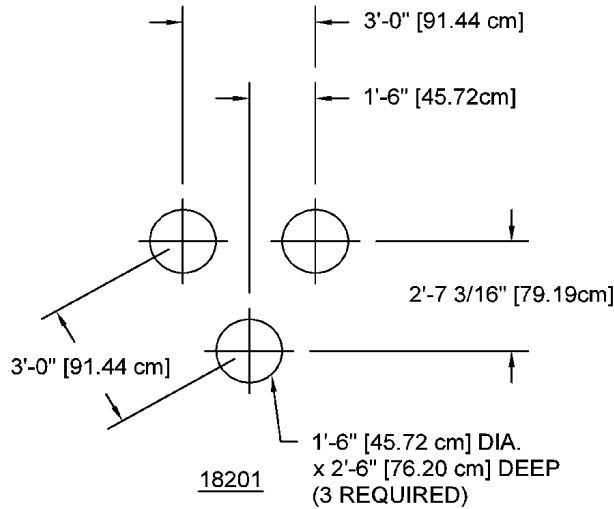
TOP VIEWS



GROUND PLANS

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
 .10 CUBIC YARDS [.07 CUBIC METERS]
 (PER UPRIGHT GROUND HOLE)



PARTS LIST

REF NO.	DESCRIPTION	NUMBER REQUIRED					PART NUMBER
		18200	18201	18202	18203	18250	
1	Punched Metal Square Deck	1	0	0	0	0	159258
2	Punched Metal Triangular Deck	0	1	0	0	0	159312
3	Punched Metal Rectangular Deck	0	0	1	0	0	159317
4	Punched Metal Large Triangular Deck	0	0	0	1	0	159322
5	Punched Metal Large Square Deck	0	0	0	0	1	160868
	Hardware Complete	1	0	1	0	1	161522
	Hardware Complete	0	1	0	1	0	161523
	3/8" x 3/4" B.H.C.S.	2	2	2	2	2	811052*
	3/8 x 1 1/4" B.H.C.S.	4	3	4	3	4	811051*
	3/8" Lockwasher	6	5	6	5	6	817334*
	3/8" Flatwasher	6	5	6	5	6	817424*
	3/8" Tee-Nut	2	2	2	2	2	804556*

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

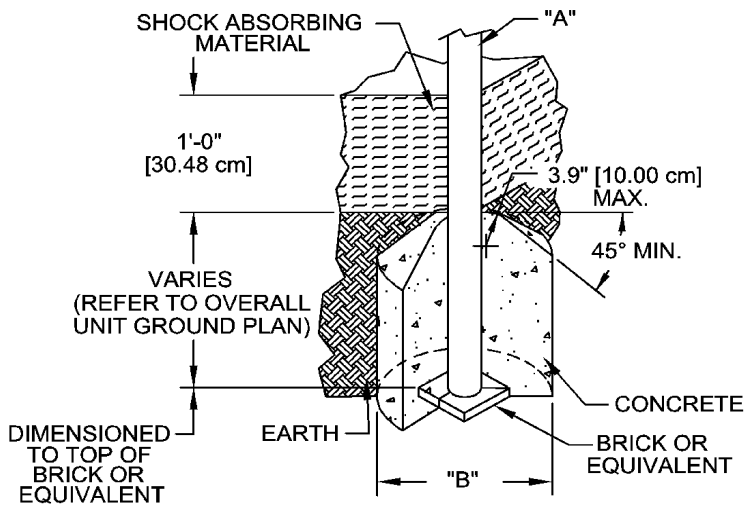
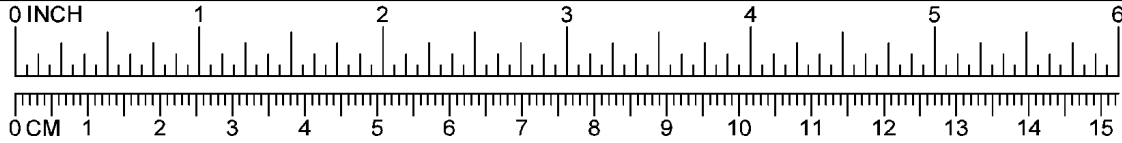
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 18200, 18201, 18202, 18203 & 18250

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.

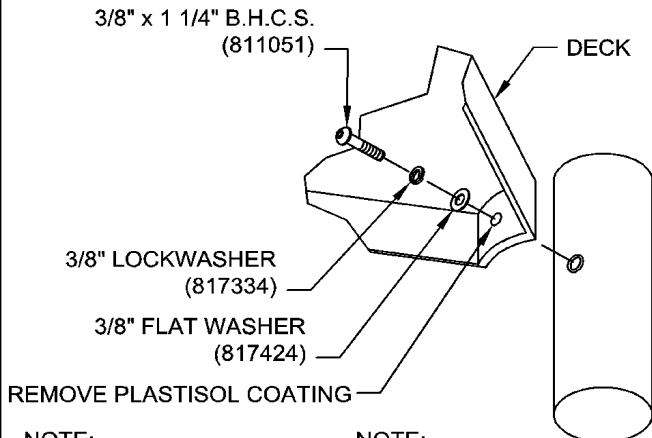


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

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

005

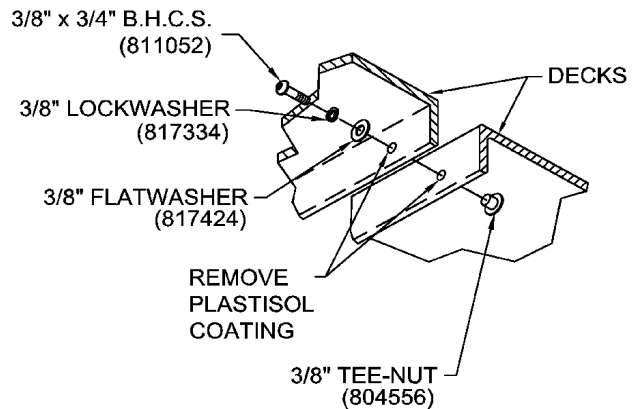
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



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

001

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

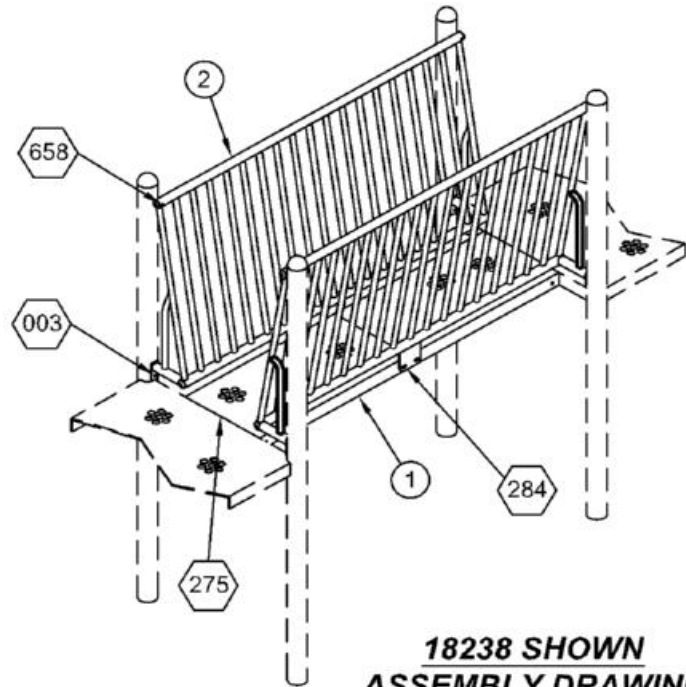


275

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



3' 18237
6' 18238

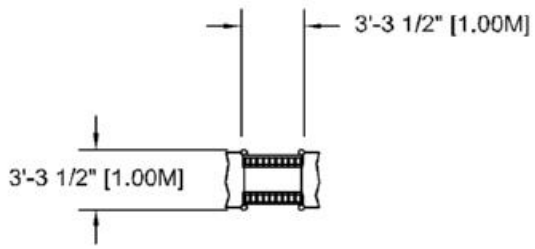
**18238 SHOWN
ASSEMBLY DRAWING**

PARTS LIST

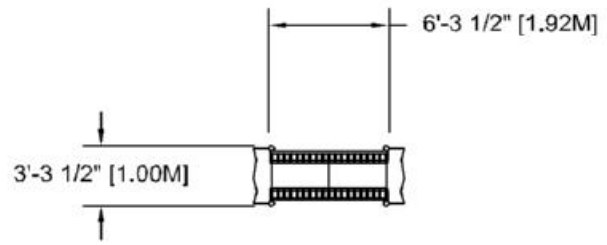
REF NO.	DESCRIPTION	NO. REQ'D.		PART NUMBER
1	Punched Steel Walkway	1	2	159301
2	6' Funnel Bridge Barrier Rail	0	2	154988
2	3' Funnel Bridge Barrier Rail	2	0	154983
	Hardware Complete	0	1	161587
	Hardware Complete	1	0	161588
	3/8" x 1 1/4" B.H.C.S.	4	4	811051*
	3/8" x 2 1/4" B.H.C.S.	4	4	811056*
	3/8" x 3/4" B.H.S.C.S.	4	10	811052*
	3/8" Lockwasher	4	10	817334*
	3/8" Flatwasher (1 1/4" O.D.)	12	18	817424*
	3/8" Tee-Nut (Spanner)	4	10	804556*
	3/8" Flatwasher	4	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.



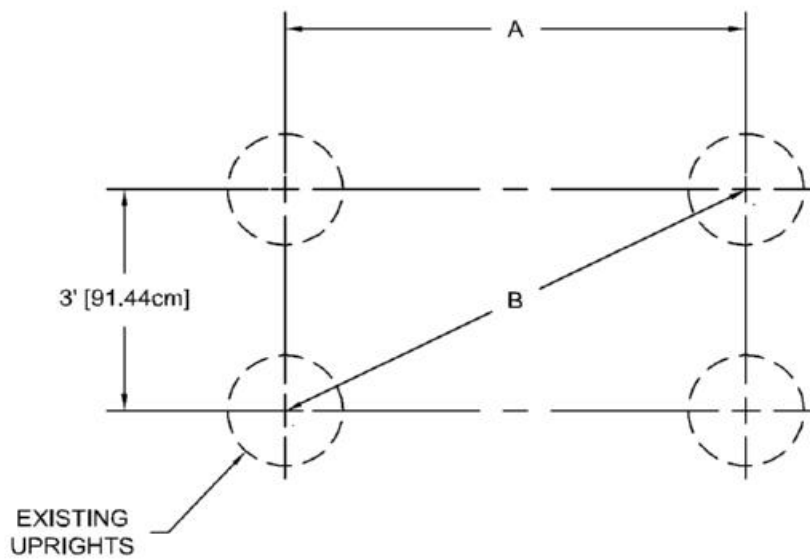
18237



18238

TOP VIEWS

FINAL NUMBER	DIMENSION "A"	DIMENSION "B"
18237	3'-0" [91.44cm]	4'-2" [129.32cm]
18238	6'-0" [182.88cm]	6'-8 1/2" [204.47cm]



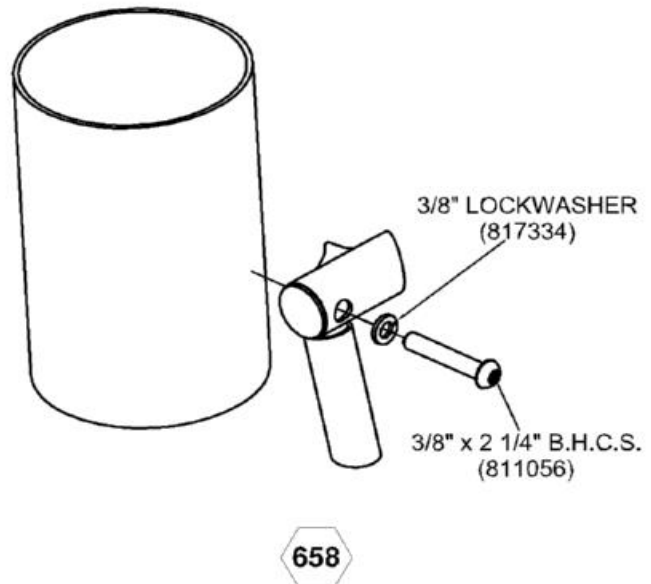
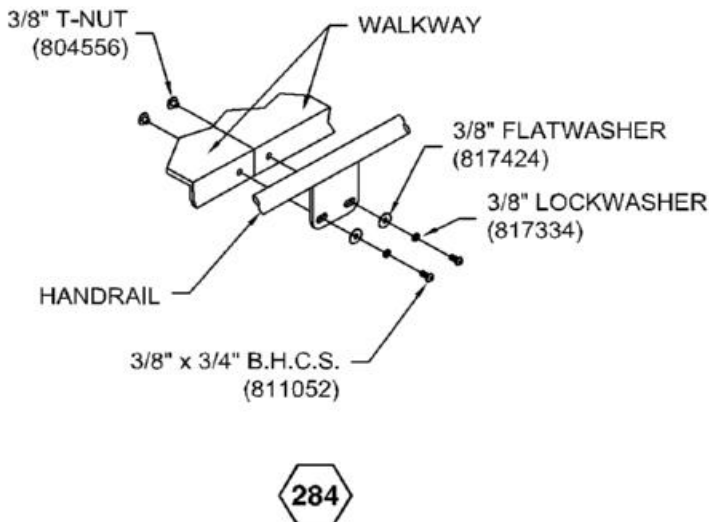
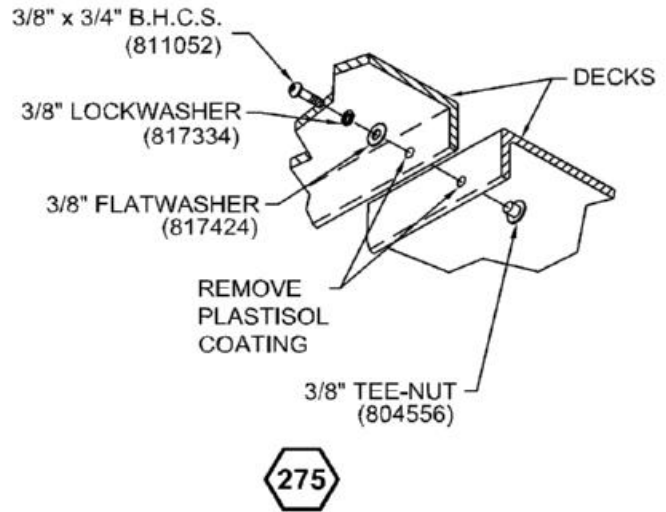
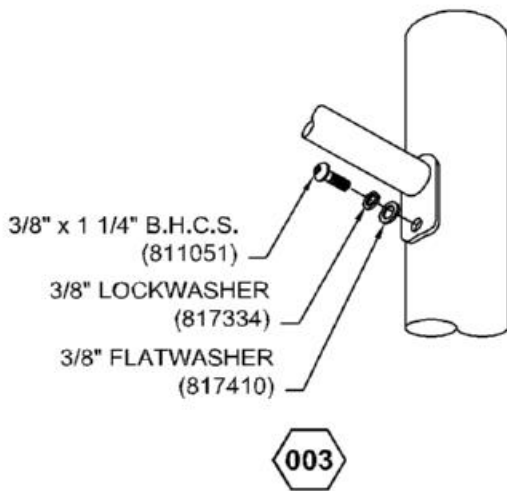
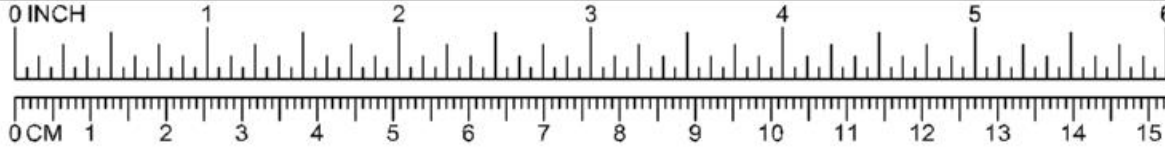
GROUND PLAN

DETAILS -for- 18237 & 18238

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.



18671 THEMED ROOF PRIMETIME 36"

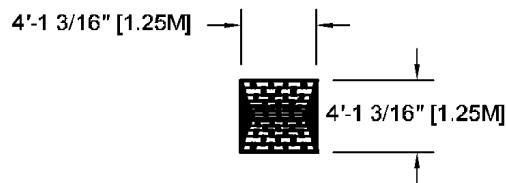
SHINGLE ROOF 18671
SLATE ROOF 18672

= INSTALLATION
DETAIL

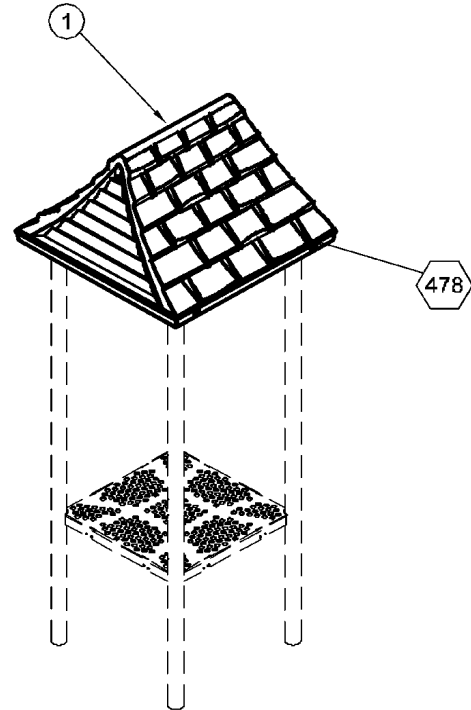
= PARTS LIST
REFERENCE

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



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQUIRED		PART NUMBER
		18671	18672	
1	Shingle Roof	1	0	177716
1	Slate Roof	0	1	177722
	Hardware Complete	1	1	177958
	3/8" x 5" Hex Head Bolt	4	4	801019*
	3/8" Lockwasher	4	4	817334*
	3/8" Flatwasher	4	4	817410*
	Molded Bolt Guard	4	4	156079*

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

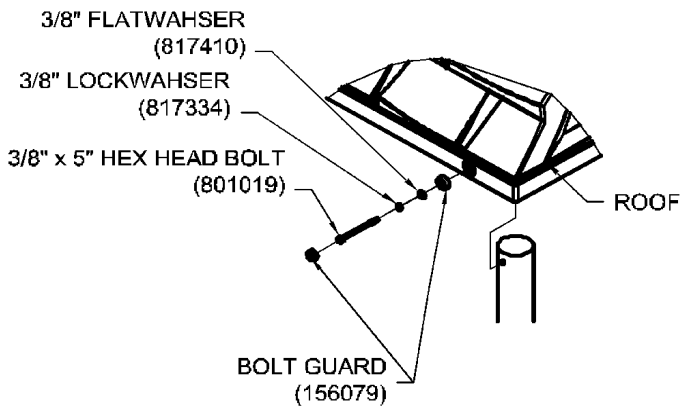
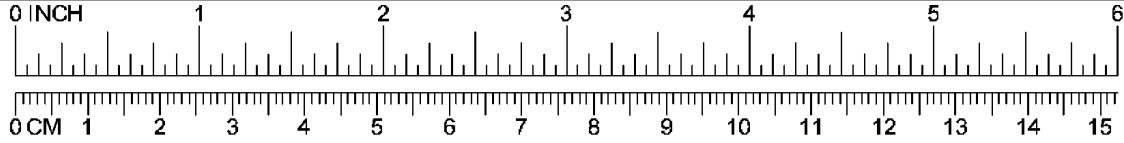
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 18671 & 18672

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.



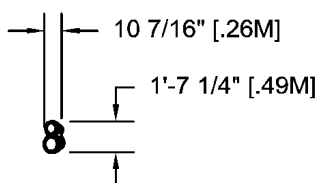
478

= INSTALLATION
 = DETAIL

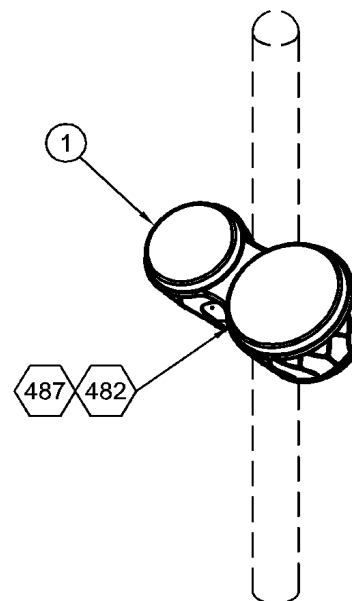
= PARTS LIST
 = REFERENCE

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	Bongos	1	177954
	Hardware Complete	1	178082
	3/8" x 1" P.B.H.C.S.	4	811050*
	3/8" Lockwasher	4	817334*
	3/8" Flatwasher (1 1/4" O.D.)	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.

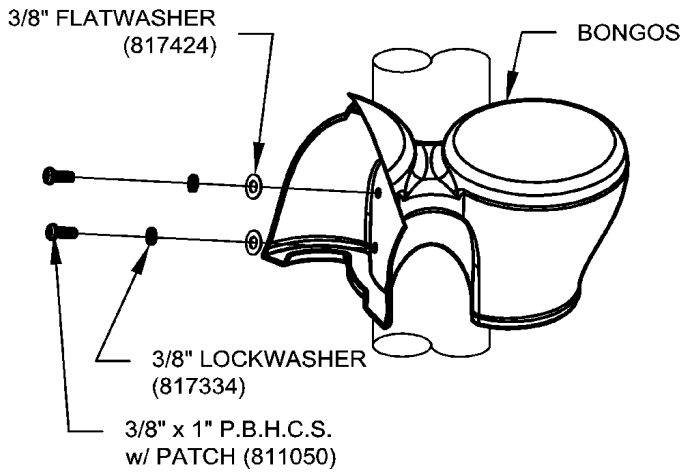
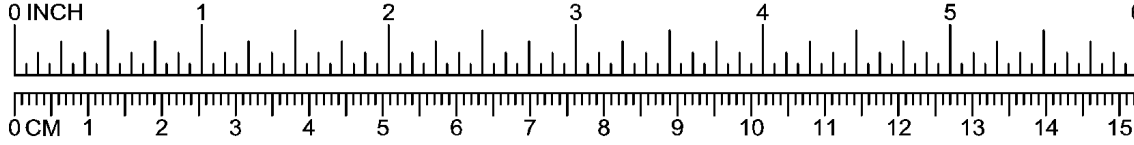
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 18679

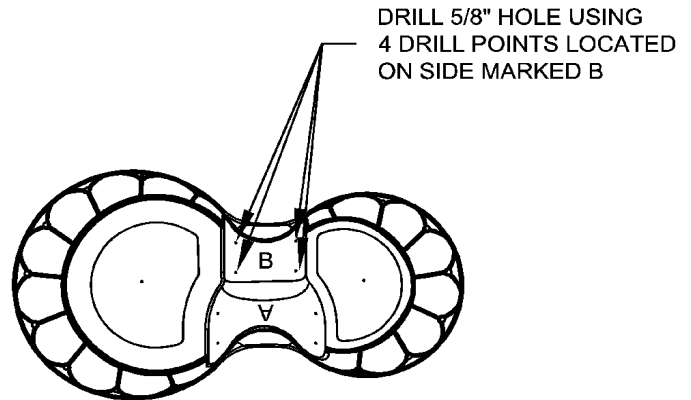
IMPORTANT

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.



482



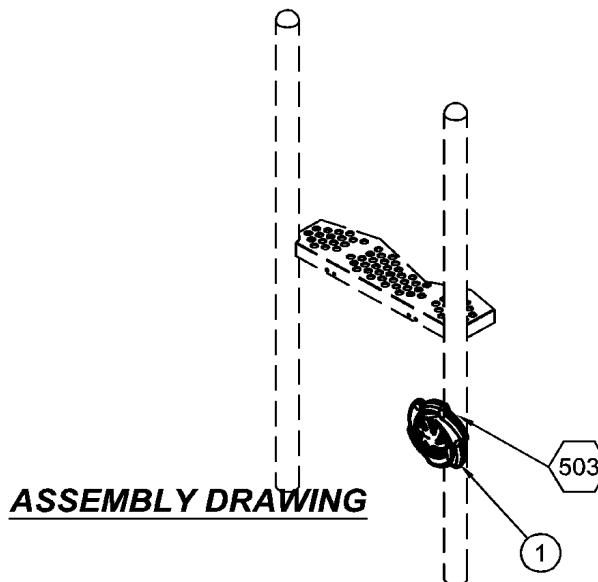
487

= INSTALLATION
 = DETAIL

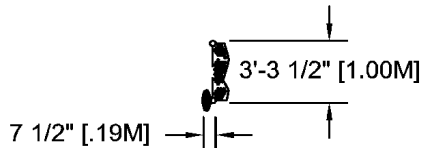
= PARTS LIST
 = REFERENCE

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



TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Thunderring	1	179012
	Hardware Complete	1	169774
2	3/8" x 1 1/4" B.H.C.S.	4	811051*
3	3/8" Lockwasher	4	817334*
4	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.

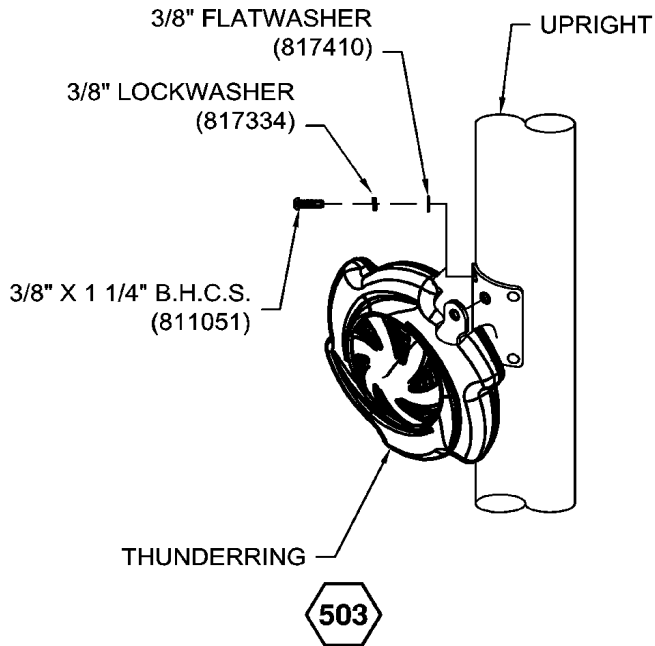
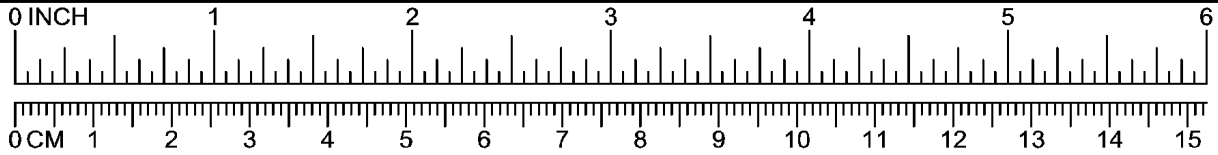
Note: Loctite (supplied by others) to be used on all threaded hardware.

DETAILS -for- 18692

IMPORTANT

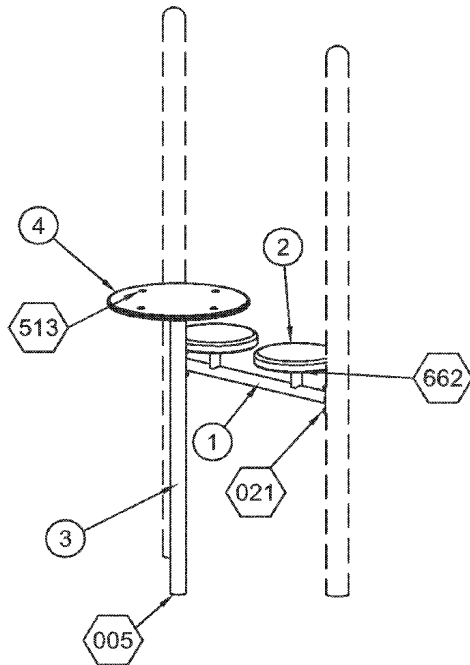
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



**SEAT AND TABLE
FOR TWO**

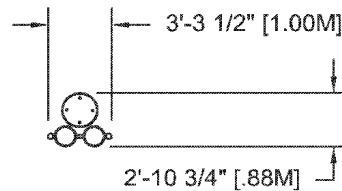
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



ASSEMBLY DRAWING

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.



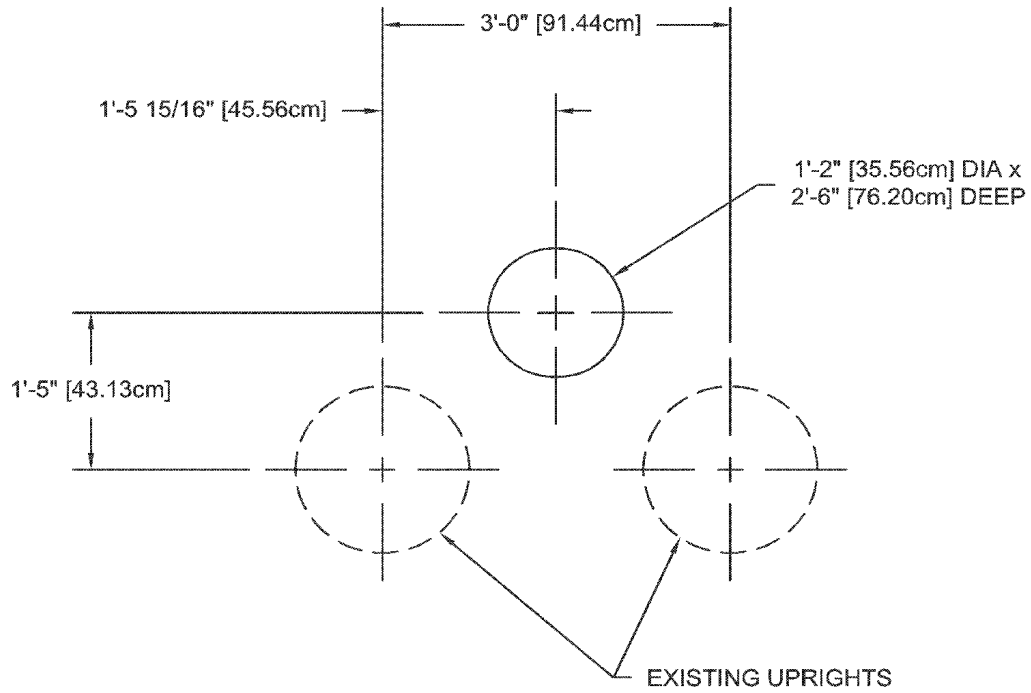
TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Seat Rail Ass'y.	1	207816
2	Seat	2	207778
3	Table Support	1	302378
4	Table Panel	1	302361
	Hardware Complete	1	208375
	3/8" x 1 1/4" B.H.C.S.	8	811051*
	3/8" Lockwasher	10	817334*
	3/8" Flatwasher	8	817410*
	3/8" Barrel Nut	4	804804*
	3/8" x 3/4" B.H.C.S.	4	811052*
	3/8" x 2 1/4" B.H.C.S.	2	811056*
	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.



GROUND PLAN

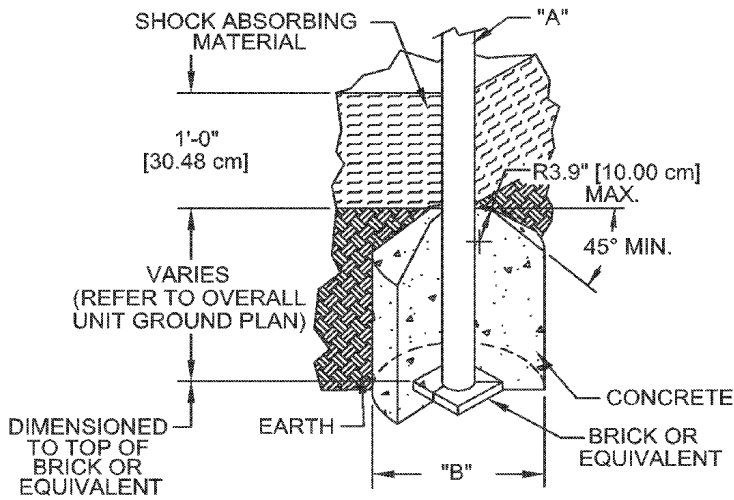
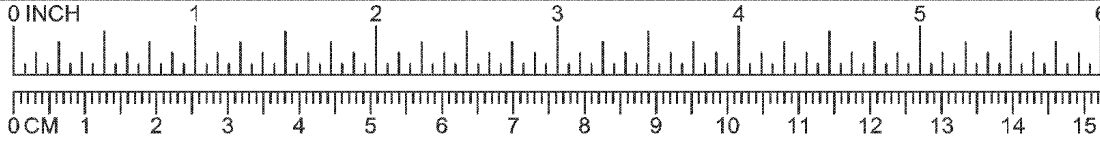
Concrete Required
.05 Cubic Yards
[.04 Cubic Meters]

DETAILS -for- 18705

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]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

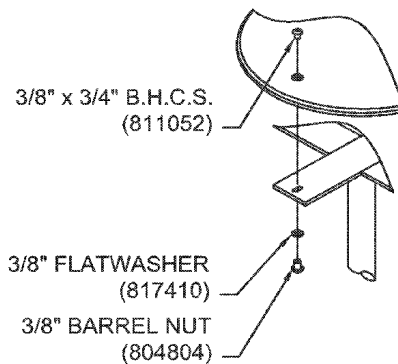
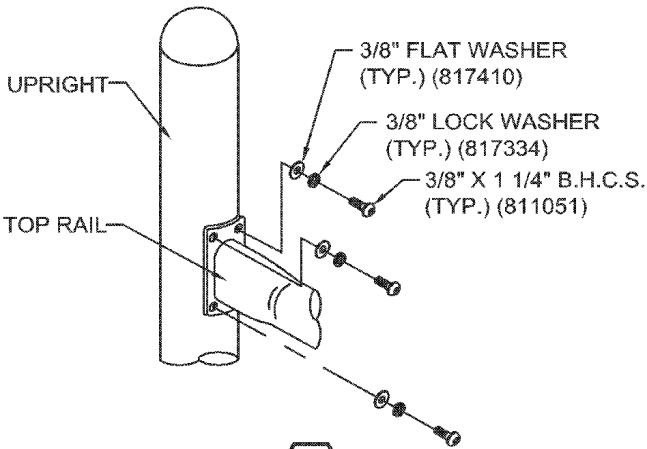
NOTES:

- 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.

NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN FLAT WASHERS TO MATCH RADIUS OF PIPE.

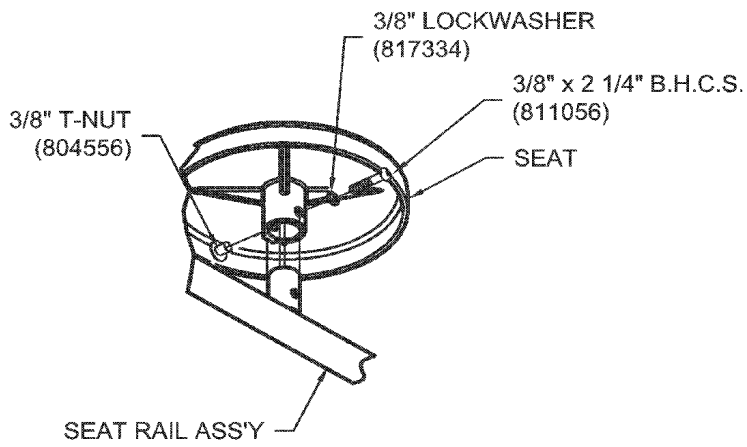
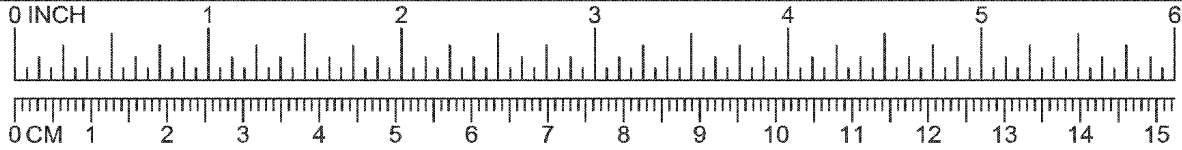


DETAILS -for- 18705

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.



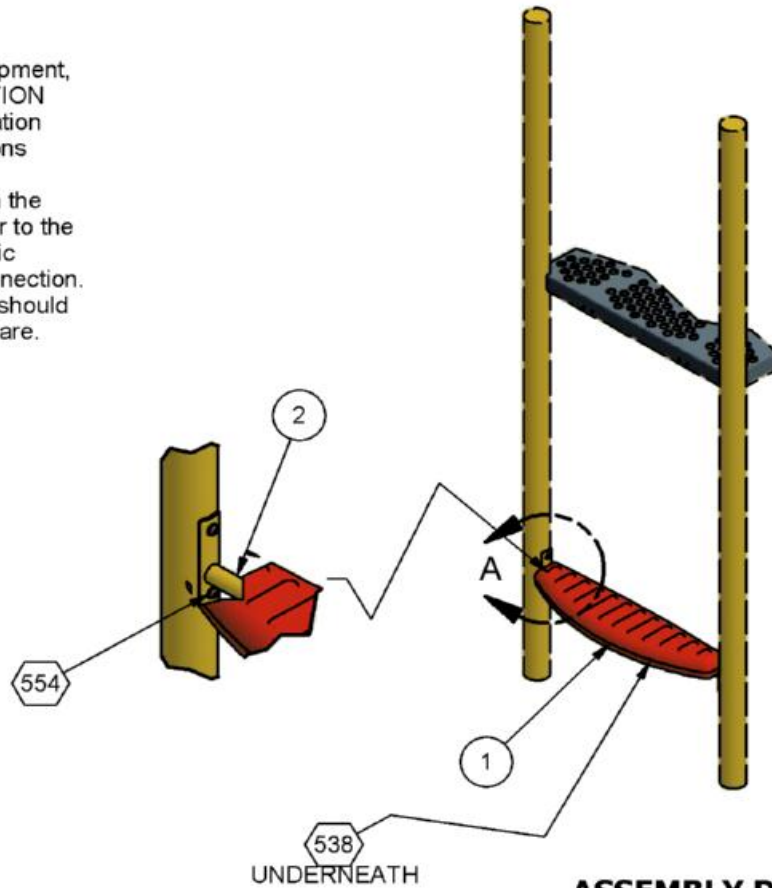
662

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

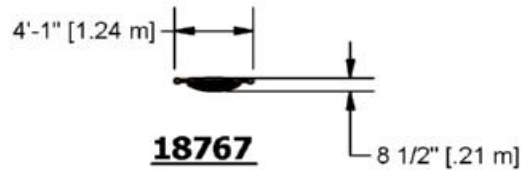
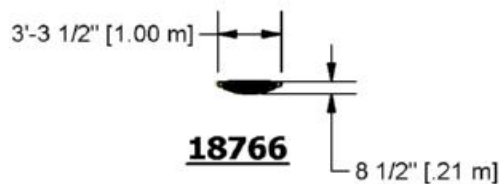
- 36" FUN SEAT** 18766
- 45 1/2" FUN SEAT** 18767

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



**ASSEMBLY DRAWING
18766 SHOWN**



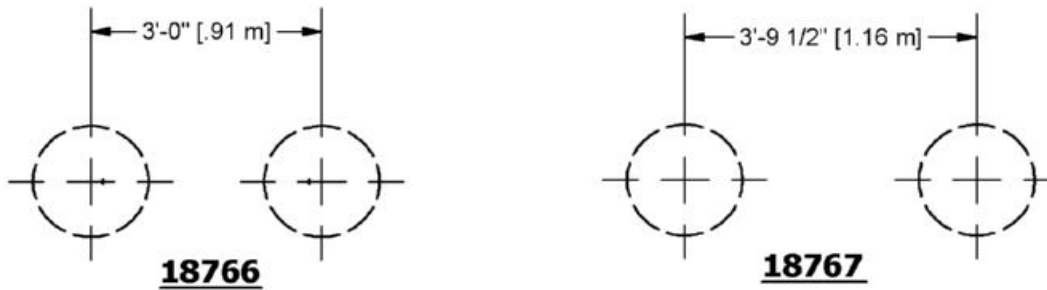
TOP VIEWS

PARTS LIST			
DESCRIPTION	18766	18767	PART NUMBER
NATURE DISCOVERY TABLE SEAT	1	1	179945
SEAT FRAME 36" WELD ASS'Y	1	0	200021
SEAT FRAME 45 1/2" WELD ASS'Y	0	1	200025
HARDWARE COMPLETE	1	1	200282
3/8" x 1 1/4" B.H.C.S.	4	4	811051*
3/8" x 1 3/4" B.H.C.S.	2	2	811054*
3/8" x 2" B.H.C.S.	2	2	811055*
3/8" FLAT WASHER	10	10	817410*
3/8" LOCK WASHER	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.



GROUND PLANS

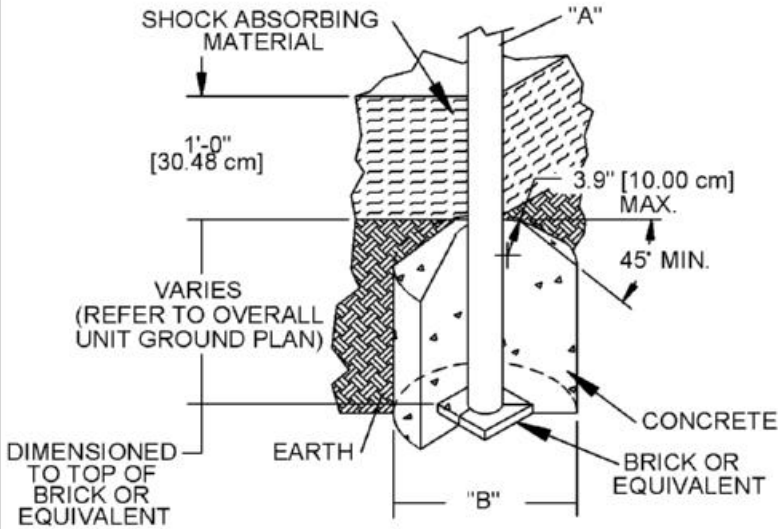
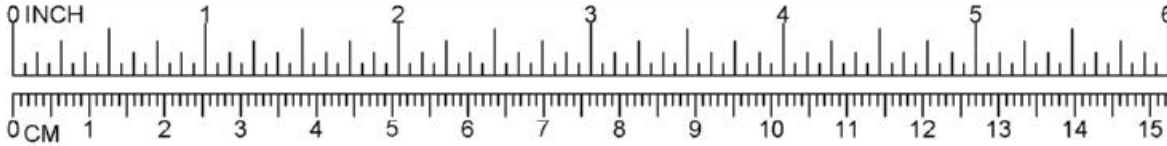
DETAILS -for- 18766 & 18767

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.



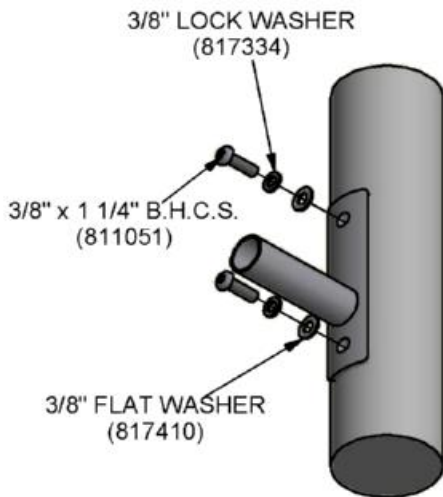
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:

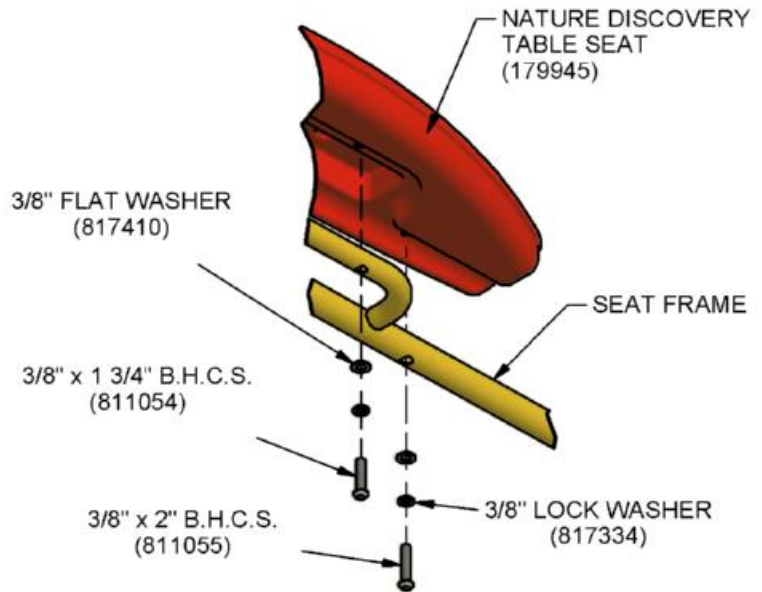
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.



554



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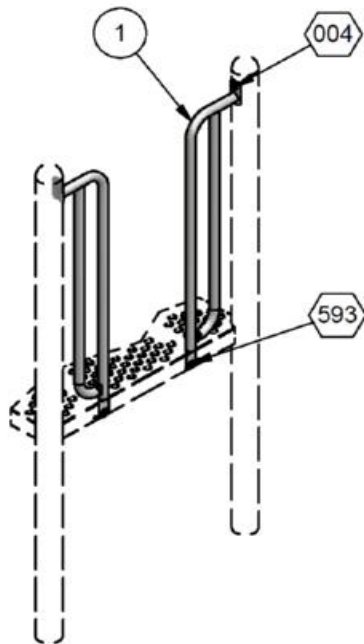
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1-800-235-2440

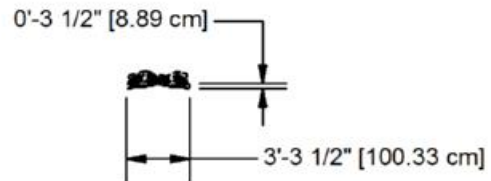
ISSUED/REVISED: 12/4/16

19001
ENTRY WAY

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



ASSEMBLY VIEW



TOP VIEW

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	D-RING WELD ASS'Y	2	202623
	HARDWARE COMPLETE	1	202959
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" LOCKWASHER	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	3/8" FLAT WASHER	2	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.

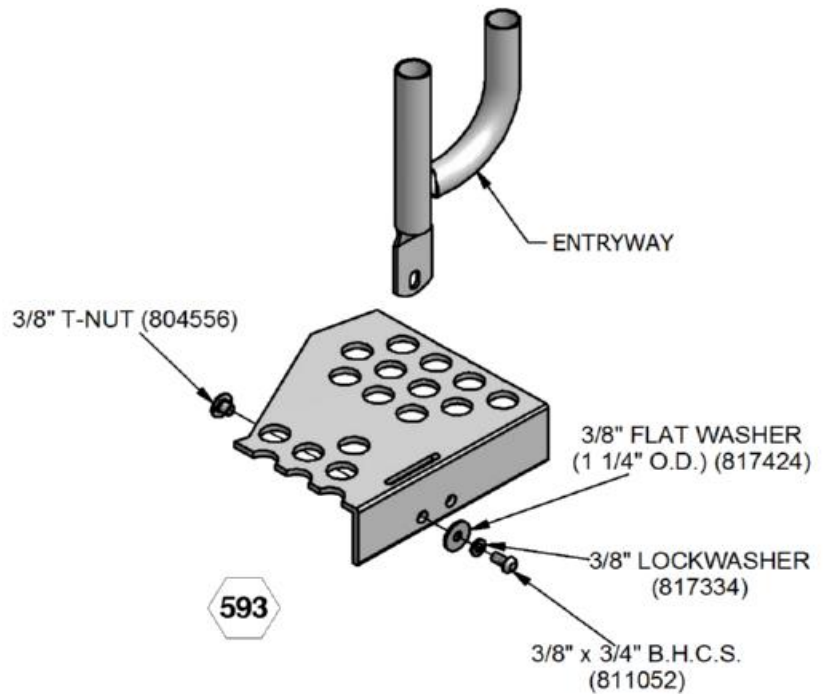
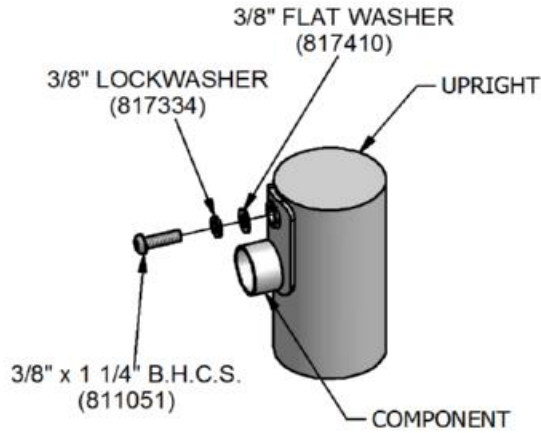
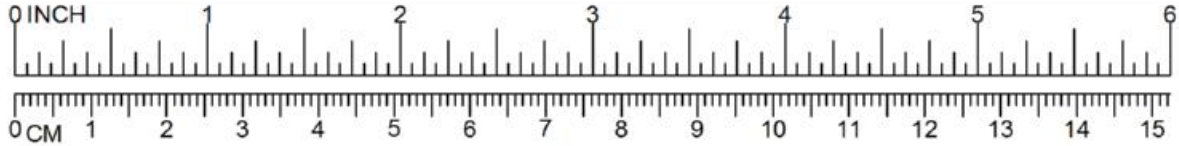
DETAILS -for- 19001

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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ISSUED/REVISED: 9/21/11

**19002
SINGLE GIZMO
PANEL**

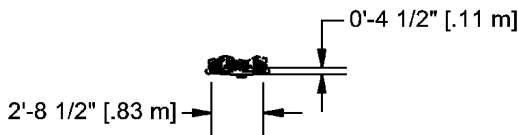
⬡ = INSTALLATION
DETAIL

○ = 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.

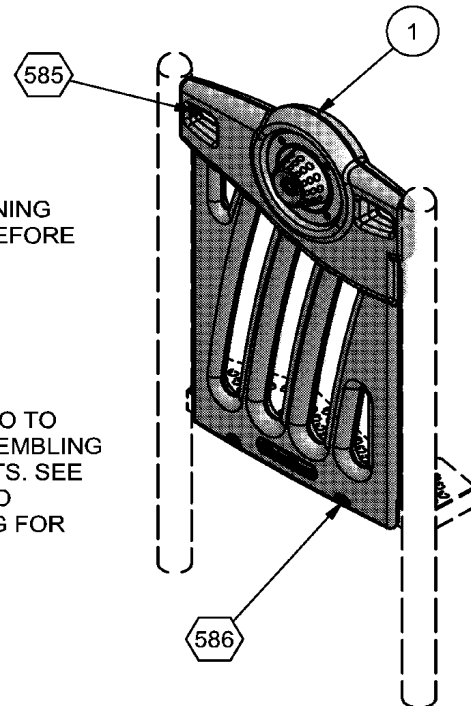


TOP VIEW

FOR GIZMO, SEE INSTALLATION SHEET 4839

NOTE: GIZMO OPENING
MUST BE FILLED BEFORE
PLAYGROUND IS
OPERATIONAL.

NOTE: ATTACH GIZMO TO
PANEL BEFORE ASSEMBLING
PANELS TO UPRIGHTS. SEE
APPROPRIATE GIZMO
ASSEMBLY DRAWING FOR
ATTACHMENT.



ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SINGLE GIZMO PANEL	1	202602
	HARDWARE COMPLETE	1	202686
	3/8" x 1 1/2" B.H.C.S.	2	811053*
	3/8" x 2 1/4" B.H.C.S.	2	811056*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCKWASHER	4	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.

DETAILS -for-

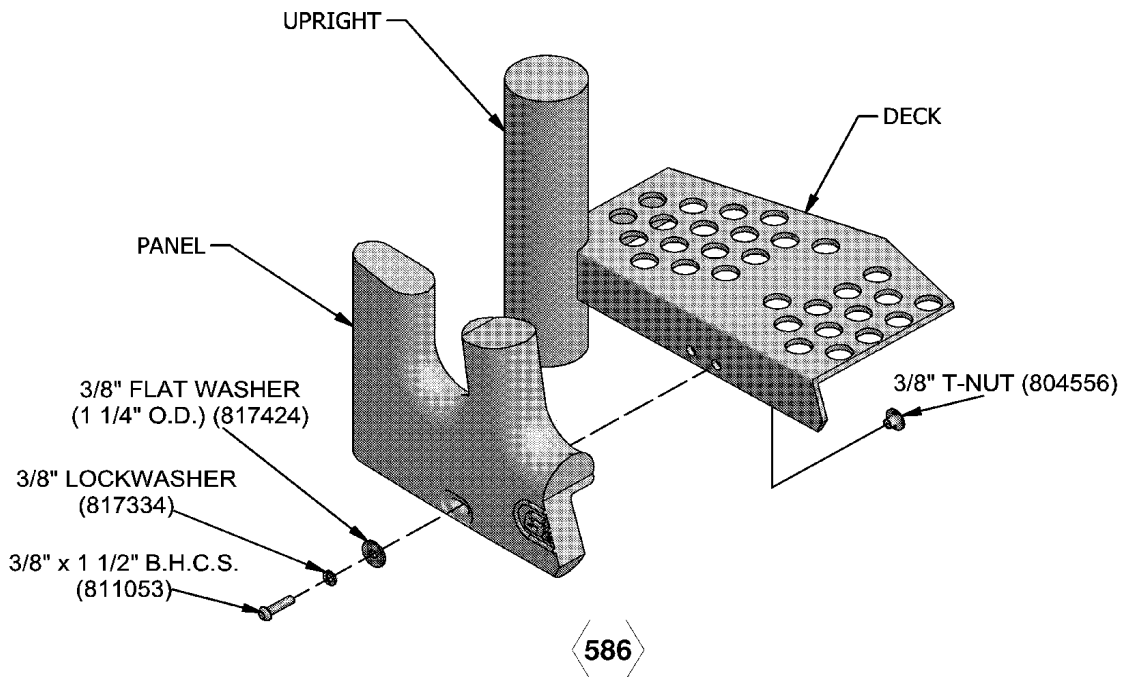
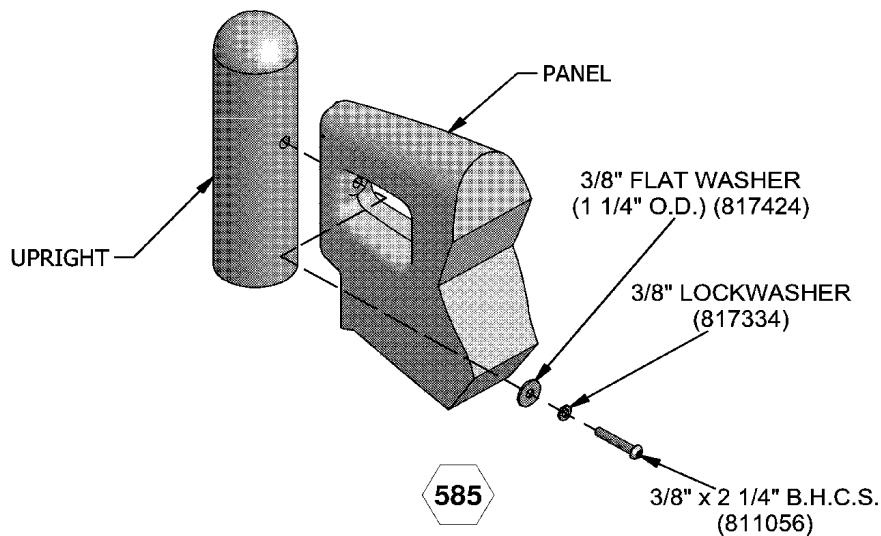
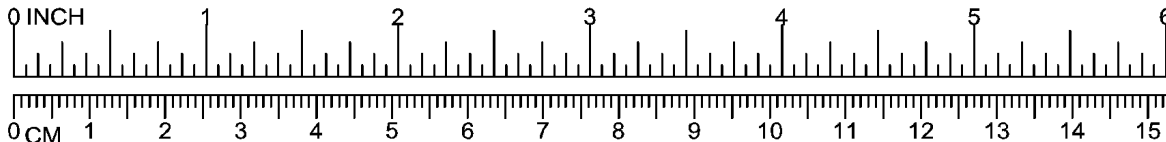
19002

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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19044

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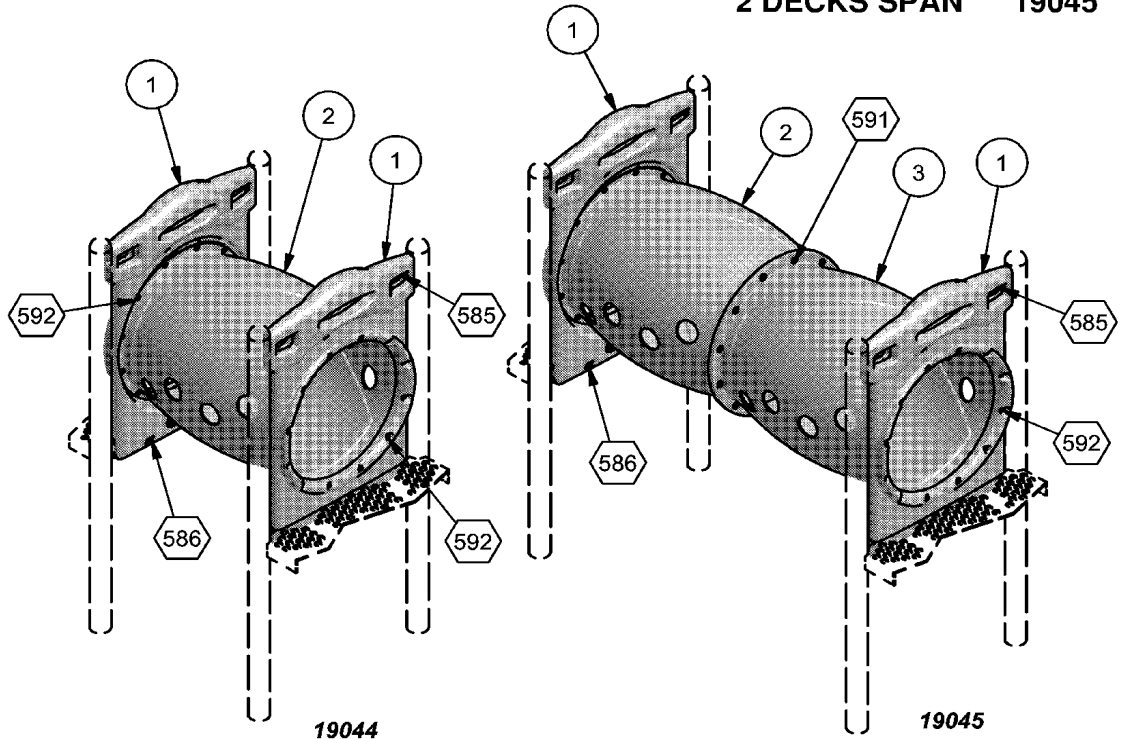
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ISSUED/REVISED: 09/11/12

STRAIGHT CRAWL TUBE

1 DECK SPAN 19044
2 DECKS SPAN 19045

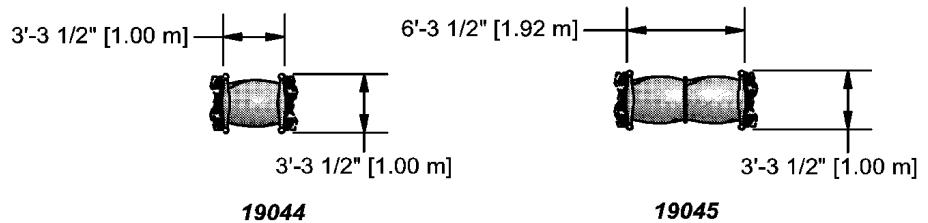
⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE



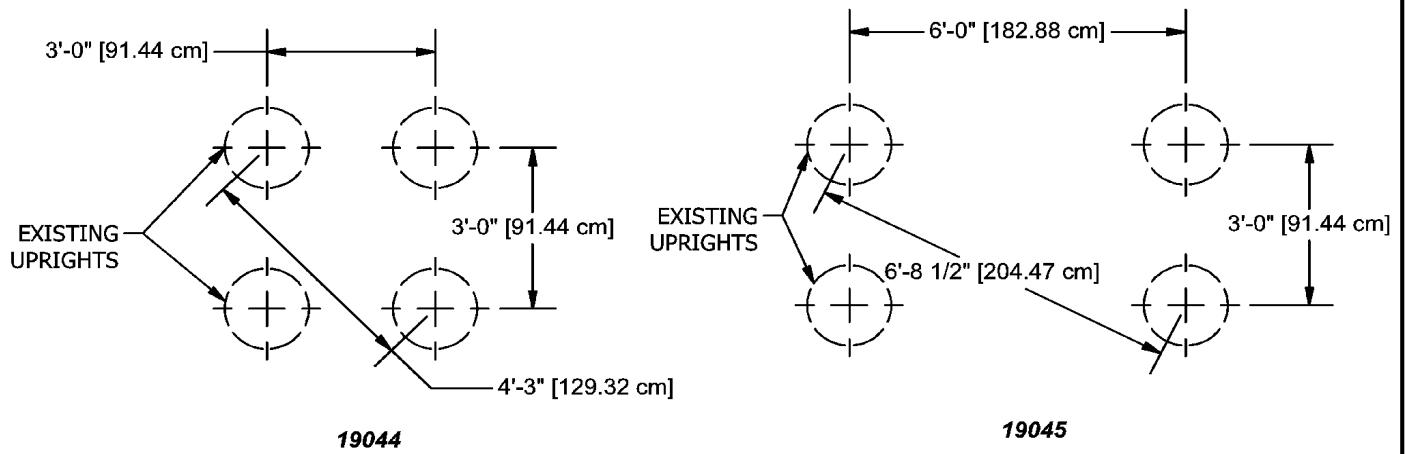
INSTALLATION INTRUCTIONS

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. Position the Tubes as illustrated in the Assembly Drawing. **NOTE: PLACEMENT OF SPY HOLES IS CRITICAL.**

ASSEMBLY DRAWINGS



TOP VIEWS



GROUND PLANS

Parts List				
REF.	DESCRIPTION	19044	19045	PART NUMBER
1	CRAWL TUBE PANEL	2	2	202633
2	CRAWL TUBE w/ WINDOWS	1	1	202647
3	STRAIGHT SECTION w/ WINDOWS	0	1	202851
	HARDWARE COMPLETE	1	0	203018
	HARDWARE COMPLETE	0	1	203000
	5/16" x 3/4" B.H.C.S.	0	12	811040*
	5/16" x 1 3/4" B.H.C.S.	24	24	811047*
	5/16" FLAT WASHER (5/8" O.D.)	24	24	817406*
	5/16" FLATWASHER (1 1/8" O.D.)	0	12	817403*
	5/16" LOCK WASHER	24	36	817330*
	5/16" T-NUT (SHORT)	0	12	804558*
	5/16" T-NUT	24	24	804555*
	3/8" x 1 1/2" B.H.C.S.	4	4	811053*
	3/8" x 2 1/4" B.H.C.S.	4	4	811056*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	8	817424*
	3/8" LOCKWASHER	8	8	817334*
	3/8" T-NUT	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.**

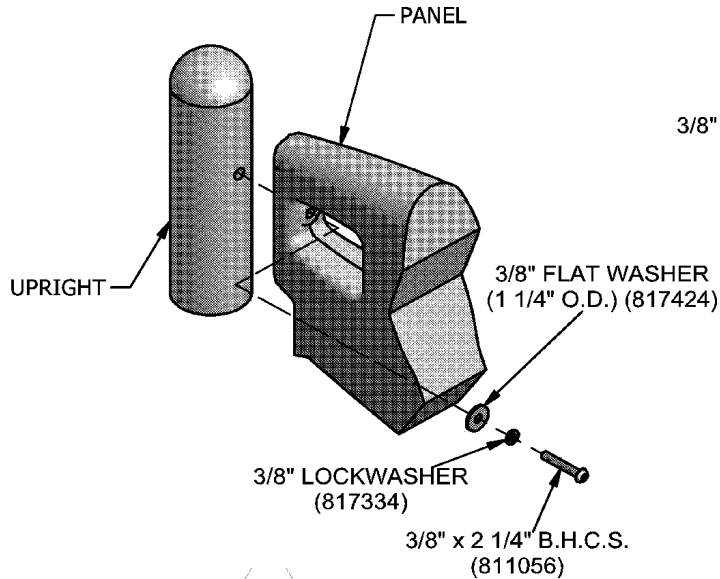
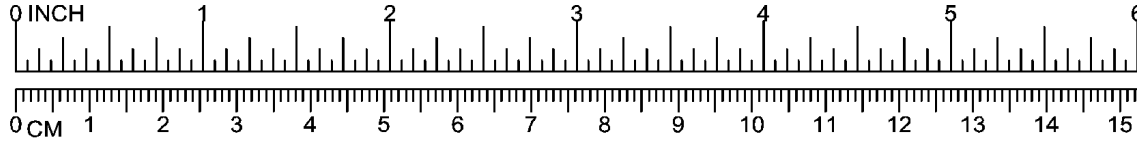
DETAILS -for- 19044 & 19045

IMPORTANT

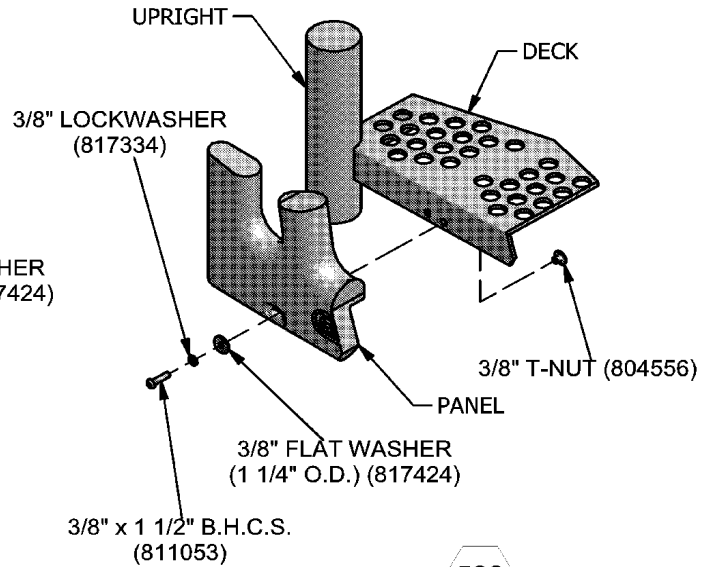
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

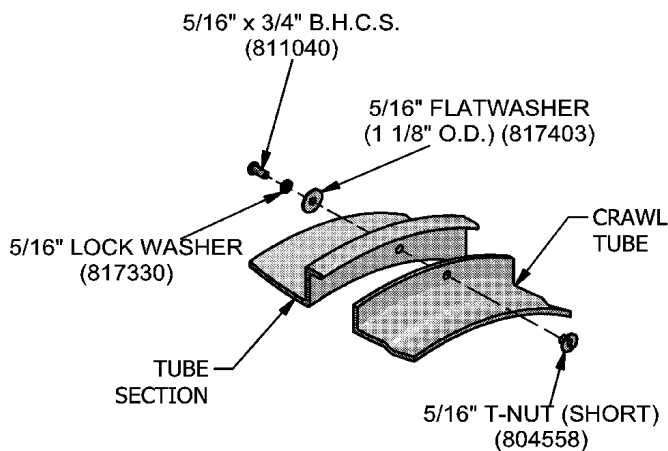
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



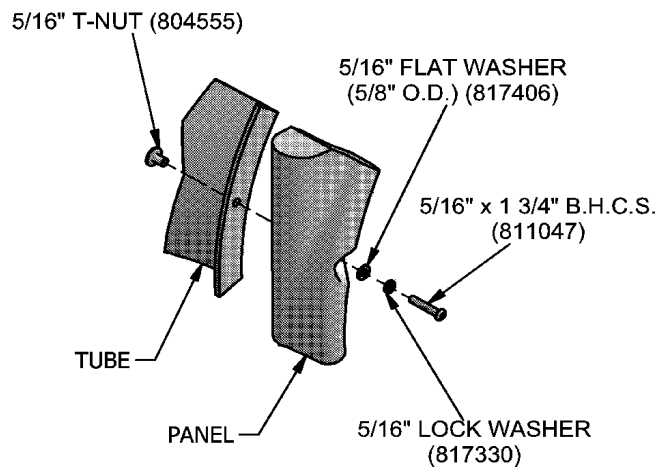
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ISSUED/REVISED: 12/13/16

19047 TREE CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

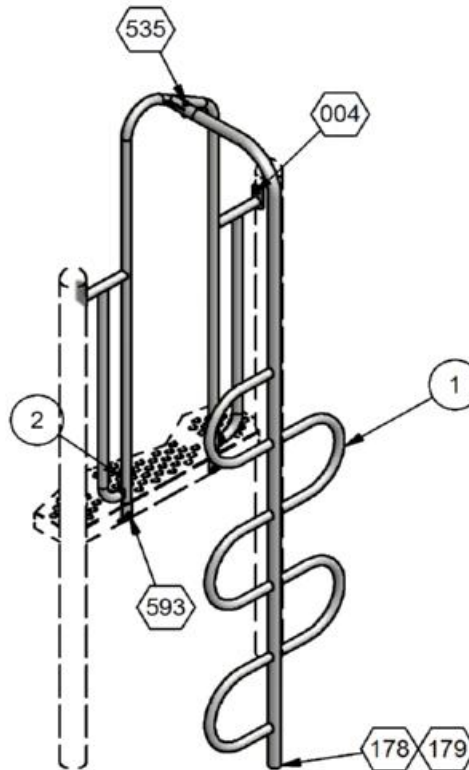
3', 3'-6"	19047
4', 4'-6"	19048
5', 5'-6"	19049
6', 6'-6"	19050
7', 7'-6"	19051
8'	19052



19048
19049 5'-0"



19047
19049 5'-6"
19050
19051
19052



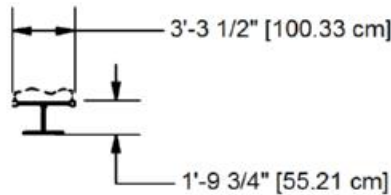
NOTE: 3'-6", 4'-6", 5'-6",
6'-6", 7'-6", AND 8'
DECKS ONLY.

ASSEMBLY DRAWING

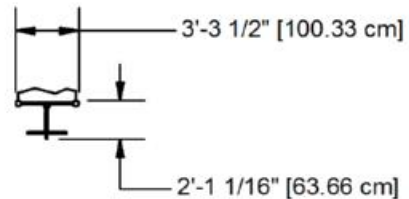
19047 SHOWN
OTHERS SIMILAR

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 ANY NON-PATCH HARDWARE.



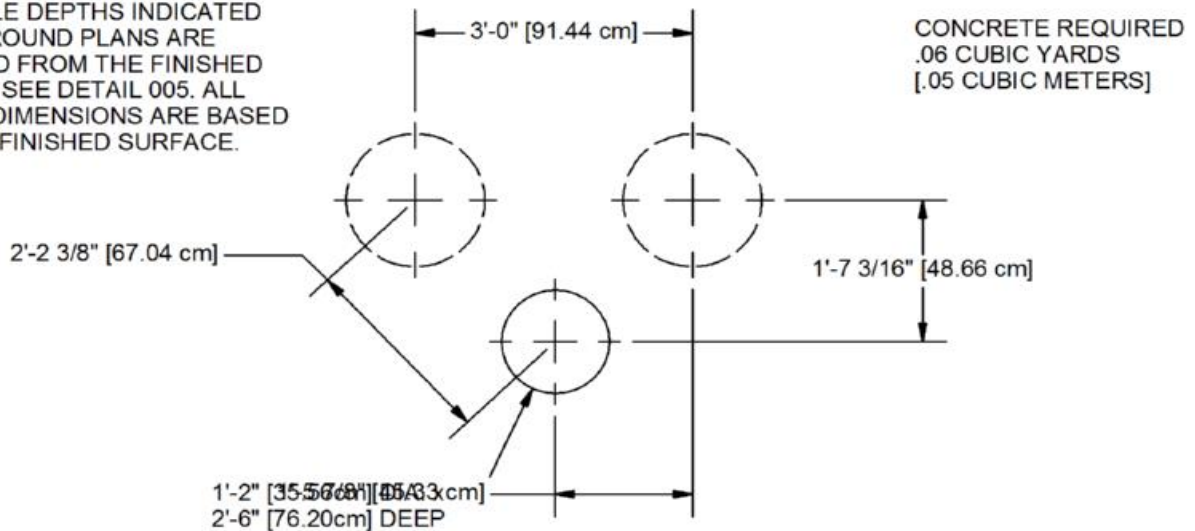
19047



19048, 19049, 19050,
19051, & 19052

TOP VIEWS

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



GROUND PLAN

Parts List								
REF.	DESCRIPTION	19047	19048	19049	19050	19051	19052	PART NUMBER
1	TREE CLIMBER ASS'Y	1	0	0	0	0	0	179041
1	TREE CLIMBER ASS'Y	0	1	0	0	0	0	179043
1	TREE CLIMBER ASS'Y	0	0	1	0	0	0	179045
1	TREE CLIMBER ASS'Y	0	0	0	1	0	0	179047
1	TREE CLIMBER ASS'Y	0	0	0	0	1	0	179049
1	TREE CLIMBER ASS'Y	0	0	0	0	0	1	179051
2	ARCHWAY WELD ASS'Y	1	1	1	1	1	1	202627
	HARDWARE COMPLETE	1	1	1	1	1	0	203228
	HARDWARE COMPLETE	0	0	0	0	0	1	203230
	3/8" x 3/4" B.H.C.S.	2	2	2	2	2	2	811052*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	2	2	811051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	1	1	812053*
	3/8" x 1-3/4" B.H.C.S.	1	1	1	1	1	1	811054*
	3/8" FLAT WASHER	3	3	3	3	3	3	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	817424*
	3/8" LOCKWASHER	5	5	5	5	5	5	817334*
	3/8" BARREL NUT	1	1	1	1	1	1	804804*
	3/8" T-NUT	3	3	3	3	3	3	804556*
	EXTENSION LEG	1	1	1	1	1	0	152110*
	EXTENSION LEG	0	0	0	0	0	1	176430*

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.

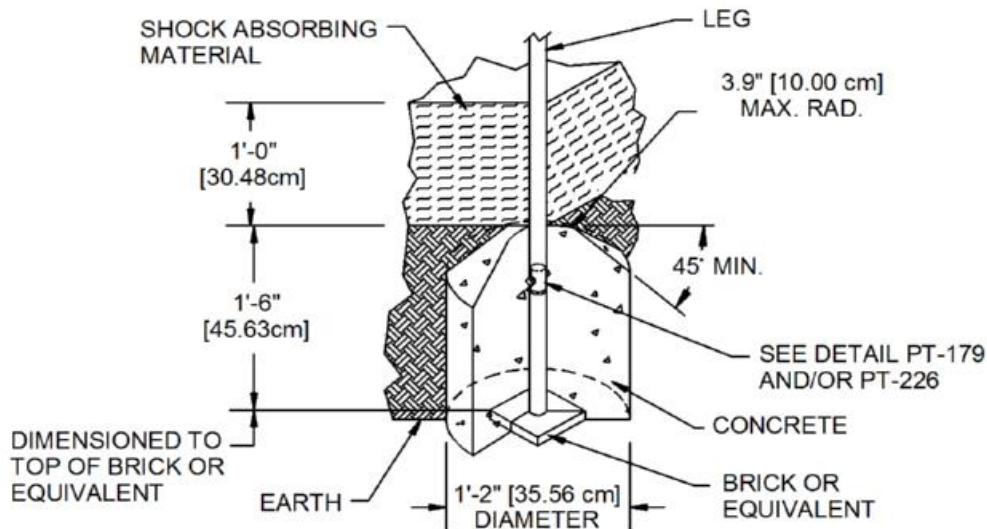
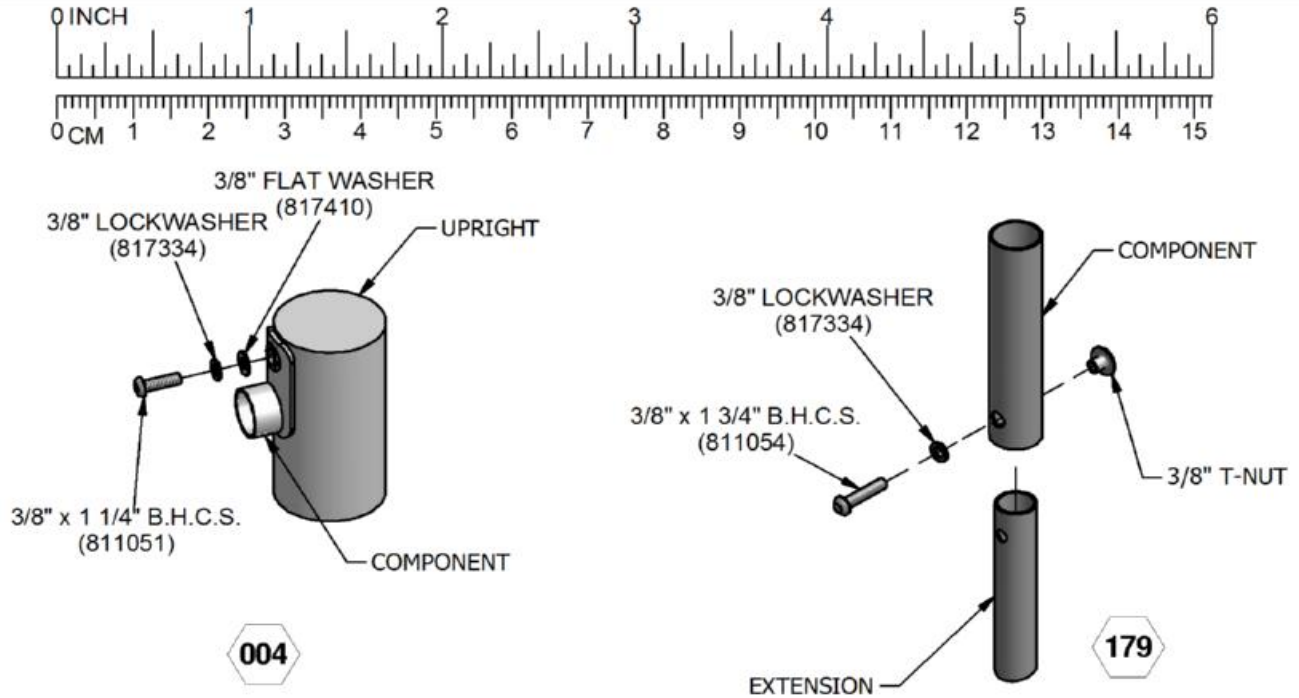
DETAILS -for- 19047 - 19052

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
- 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.

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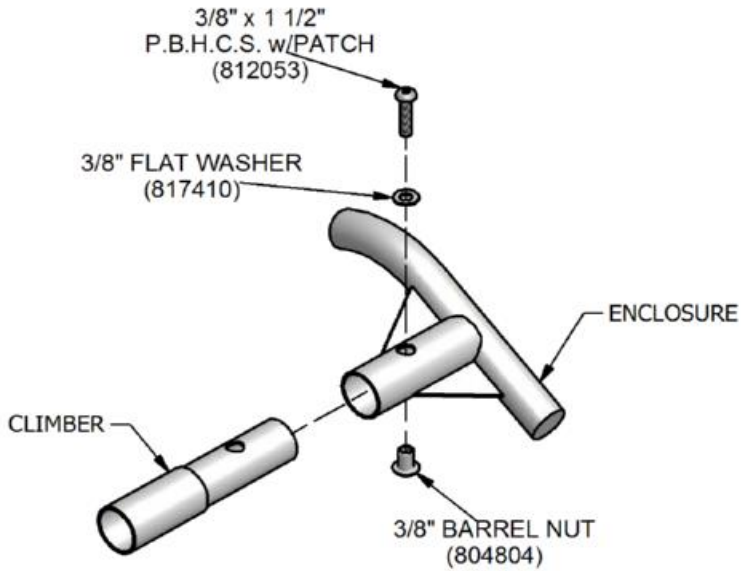
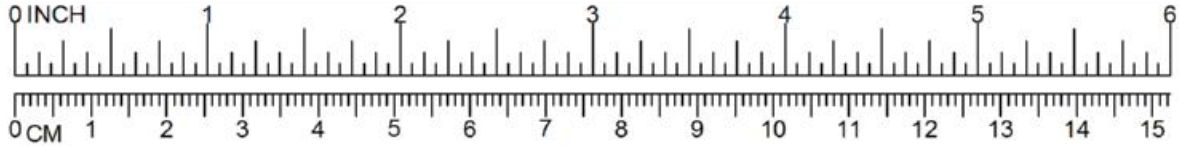
DETAILS -for- 19047 - 19052

IMPORTANT

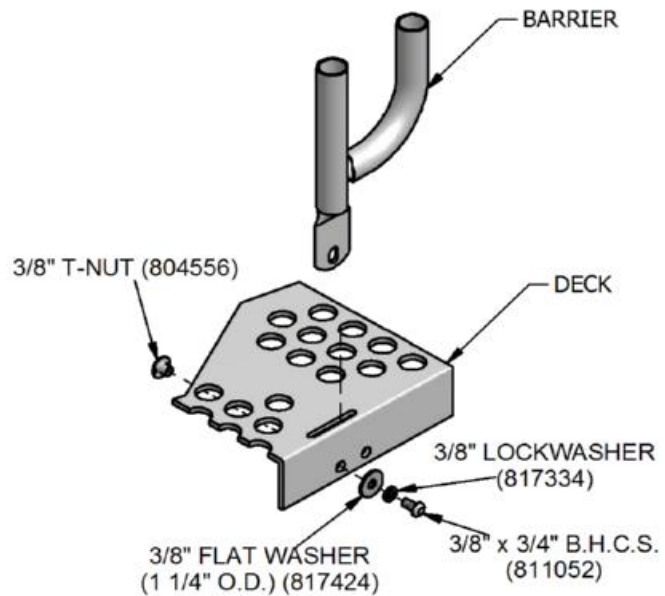
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



535



593

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1-800-235-2440

ISSUED/REVISED: 1/16/17

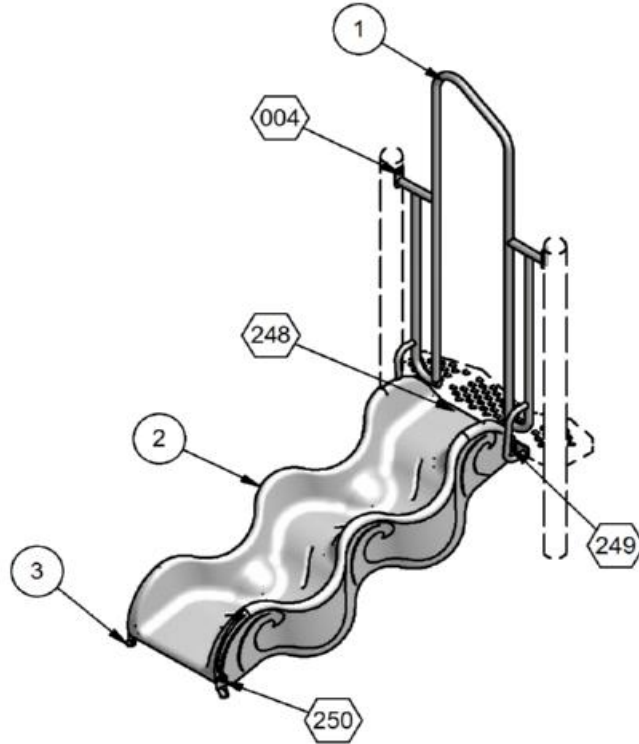
19057
WAVE
CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

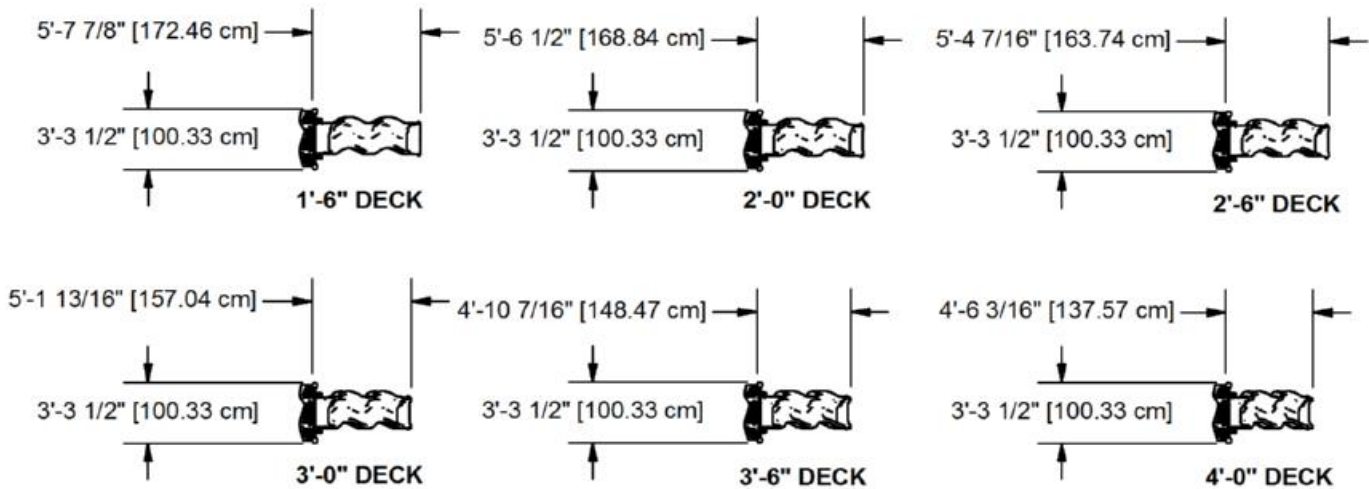


INSTALLATION INSTRUCTIONS

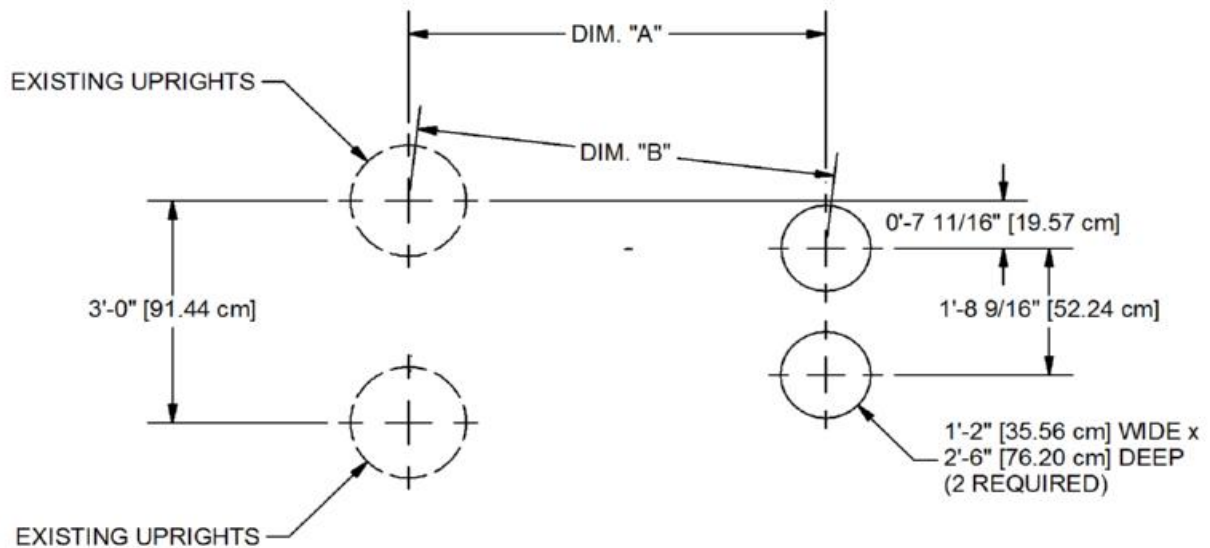
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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



ASSEMBLY DRAWING



TOP VIEWS



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

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

GROUND PLAN

DECK HEIGHTS	DIMENSION 'A'	DIMENSION 'B'
1'-6" THRU 2'-6"	5'-3 1/2" [161.29 cm]	5'-3 15/16" [162.40 cm]
3'-0" THRU 4'-0"	4'-6 3/8" [138.11 cm]	4'-6 7/8" [139.28 cm]

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	ARCHWAY WELD ASS'Y	1	202984
2	WAVE CLIMBER	1	159800
3	SMASHED FOOTBUCK	2	160410
	HARDWARE COMPLETE	1	160413
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1" B.H.C.S.	4	811050*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCKWASHER	8	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.

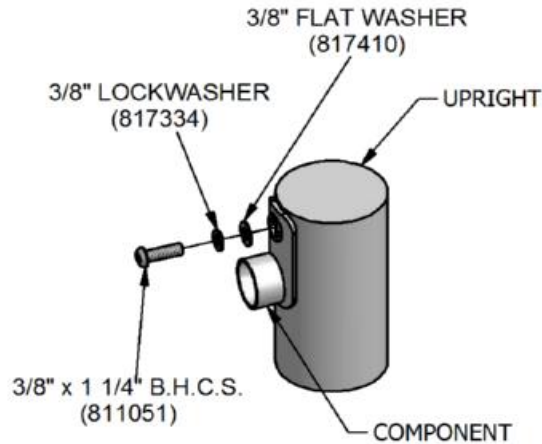
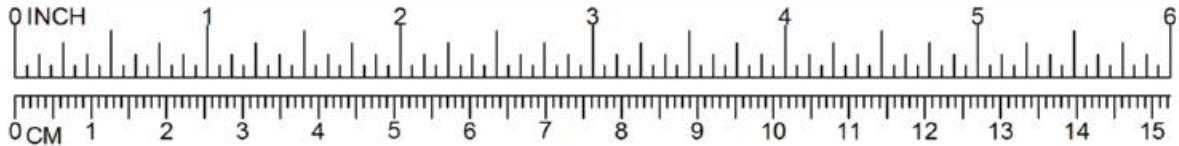
DETAILS -for- 19057

IMPORTANT

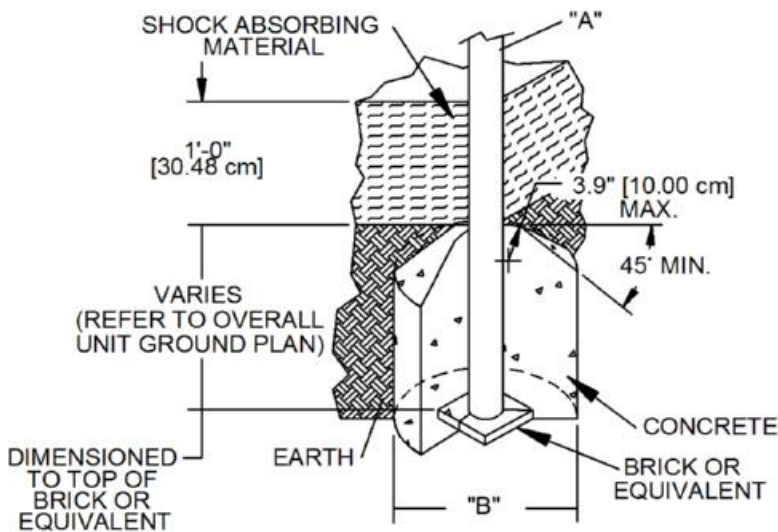
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



004



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]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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

005

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.

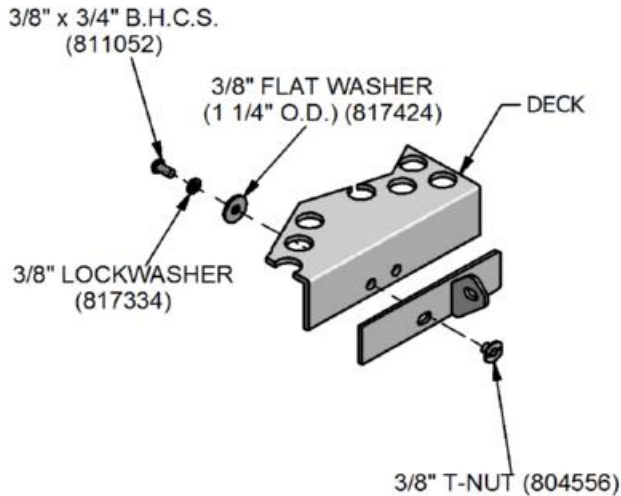
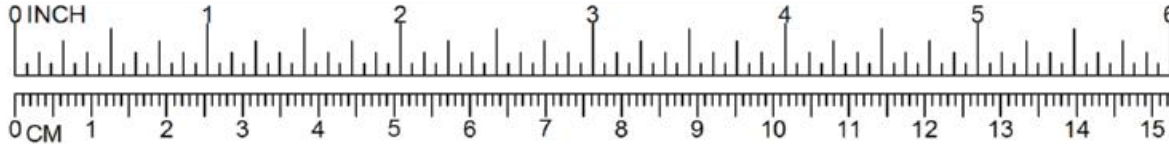
DETAILS -for- 19057

IMPORTANT

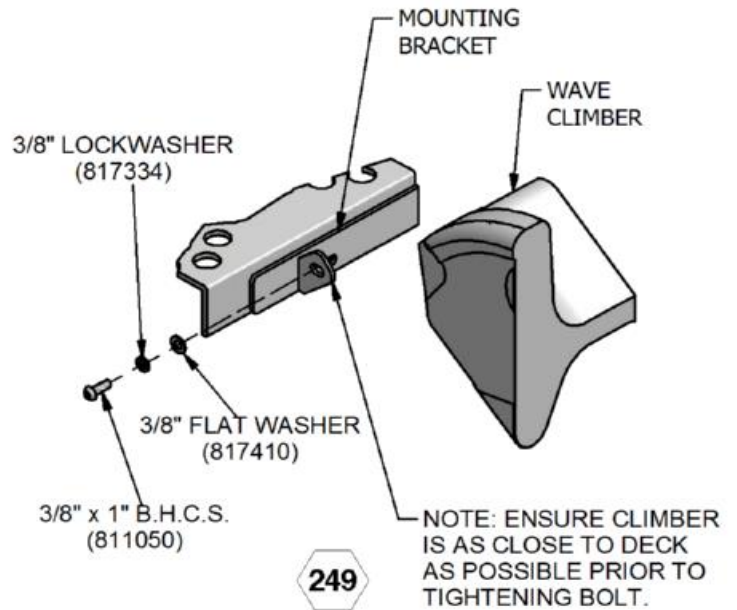
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

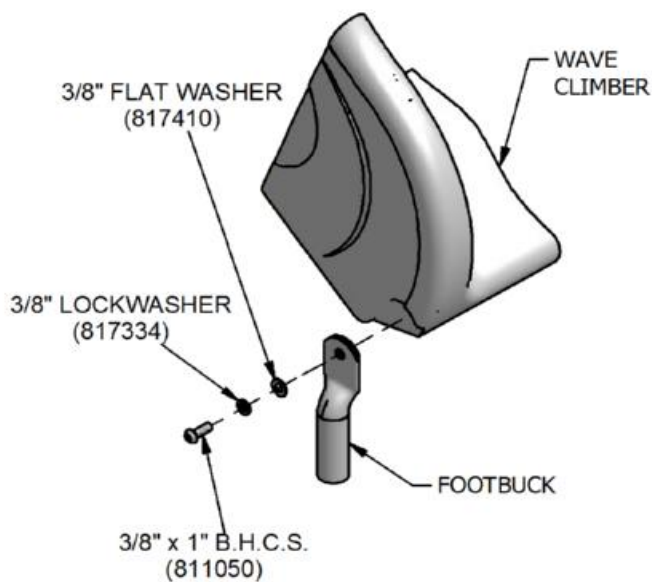
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



248



249



250

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1-800-235-2440

ISSUED/REVISED: 12/5/16

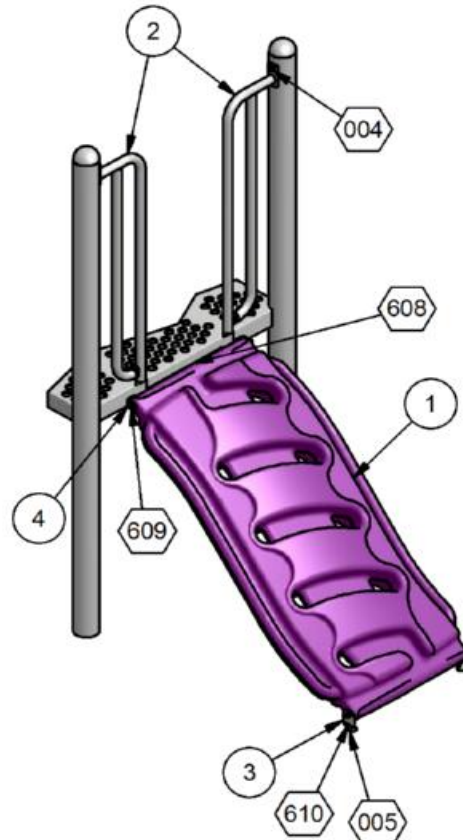
**19104
RIDGE
CLIMBER**

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

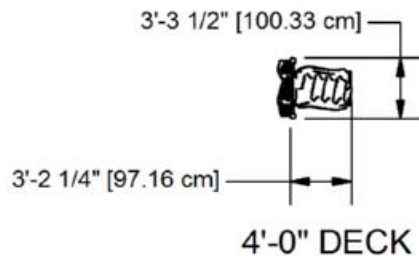
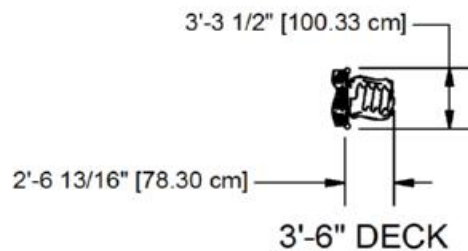
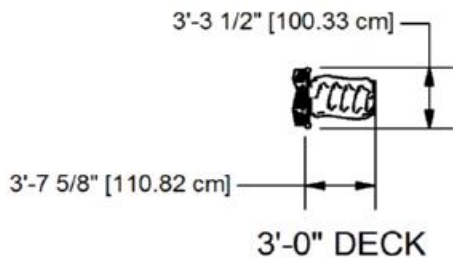


**INSTALLATION
INSTRUCTIONS**

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.

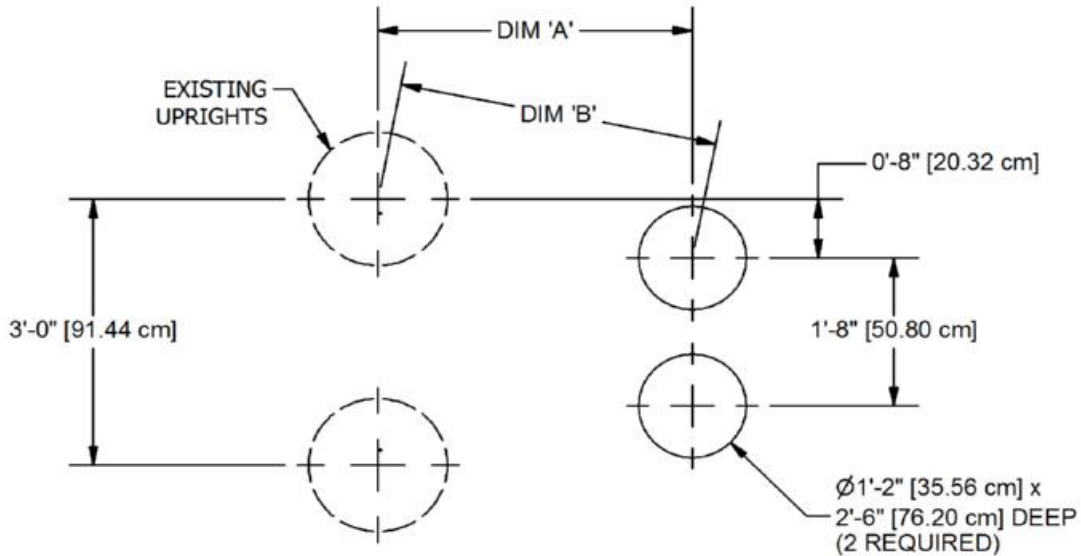


ASSEMBLY VIEW



TOP VIEWS

Table		
DECK HEIGHTS	DIMENSION 'A'	DIMENSION 'B'
3'-0"	3'-5" [105.40 cm]	3'-6" [106.68 cm]
3'-6"	2'-11" [88.9 cm]	3'-0" [91.44 cm]
4'-0"	2'-3" [68.58 cm]	2'-4" [71.12 cm]



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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

GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RIDGE CLIMBER	1	202648
2	D-RING WELD ASS'Y	2	202623
3	SMASHED FOOTBUCK	2	160410
4	MOUNTING BRACKET	1	203010
	HARDWARE COMPLETE	1	203076
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	6	811051*
	3/8" LOCKWASHER	8	817334*
	3/8" FLAT WASHER	4	817410*
	3/8" T-NUT	2	804556*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	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: 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.

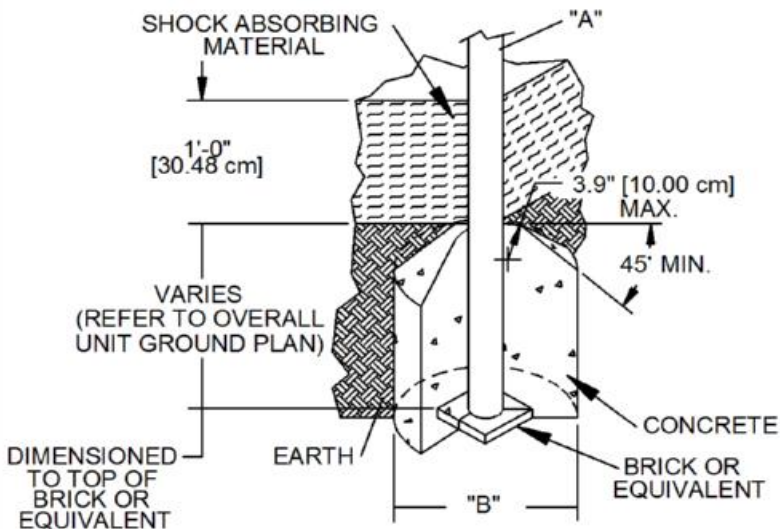
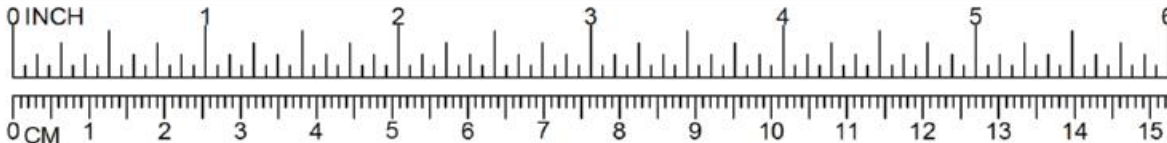
DETAILS -for- 19104

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.



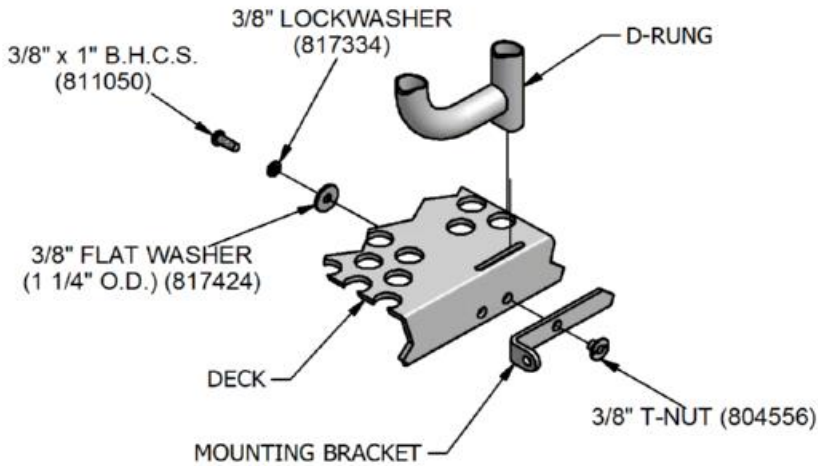
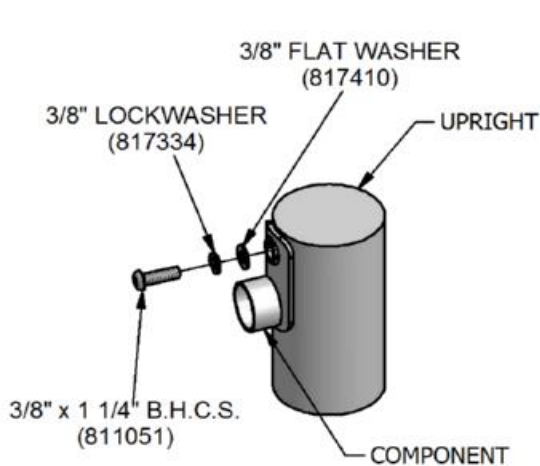
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



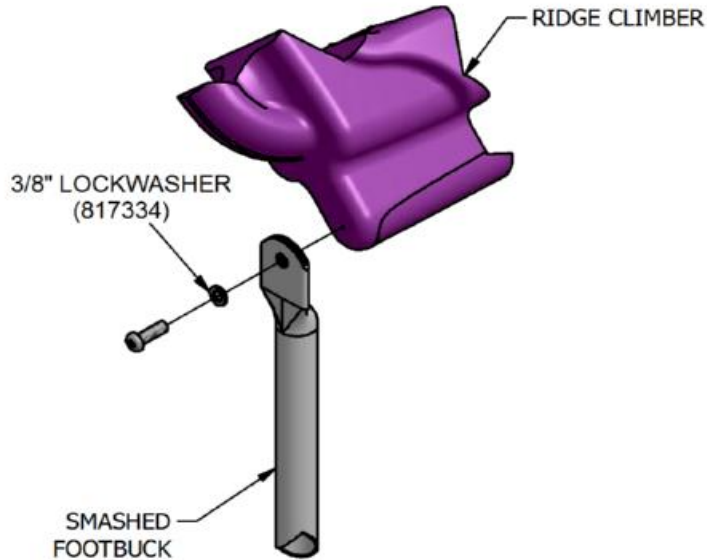
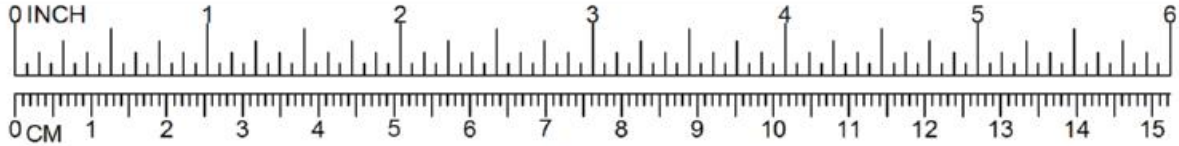
DETAILS -for- 19104

IMPORTANT

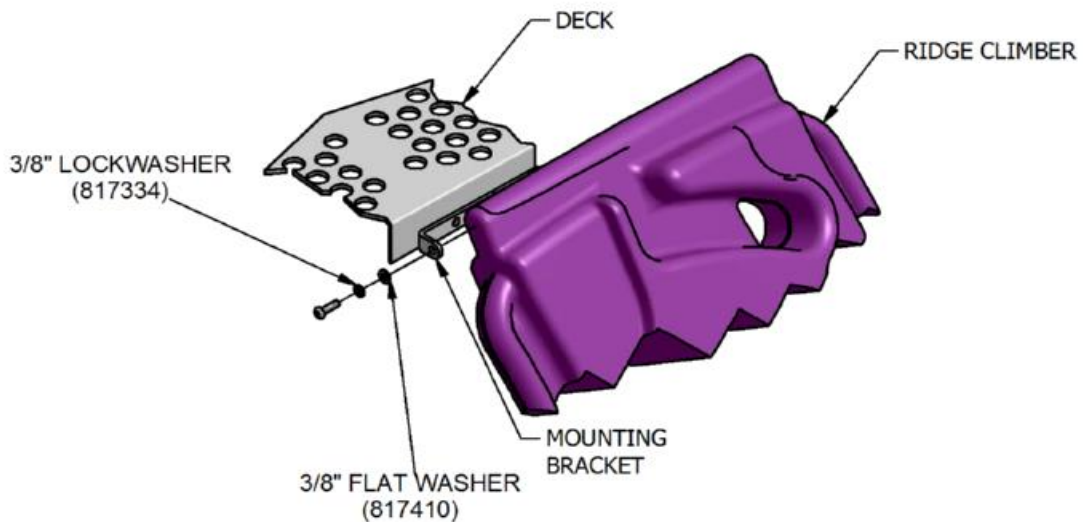
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



609



610

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ISSUED/REVISED: 6/20/18

**19122
ZIP
SLIDE**

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

2'-6"/3'-0" WAVE ZIP SLIDE	19122
4'-0" ZIP SLIDE	19123
5'-0" ZIP SLIDE	19124
6'-0" WAVE ZIP SLIDE	19125
8'-0" ZIP SLIDE	19126
8'-0" ZIP SLIDE W/GIZMO'S	19127



19122
19123
19124



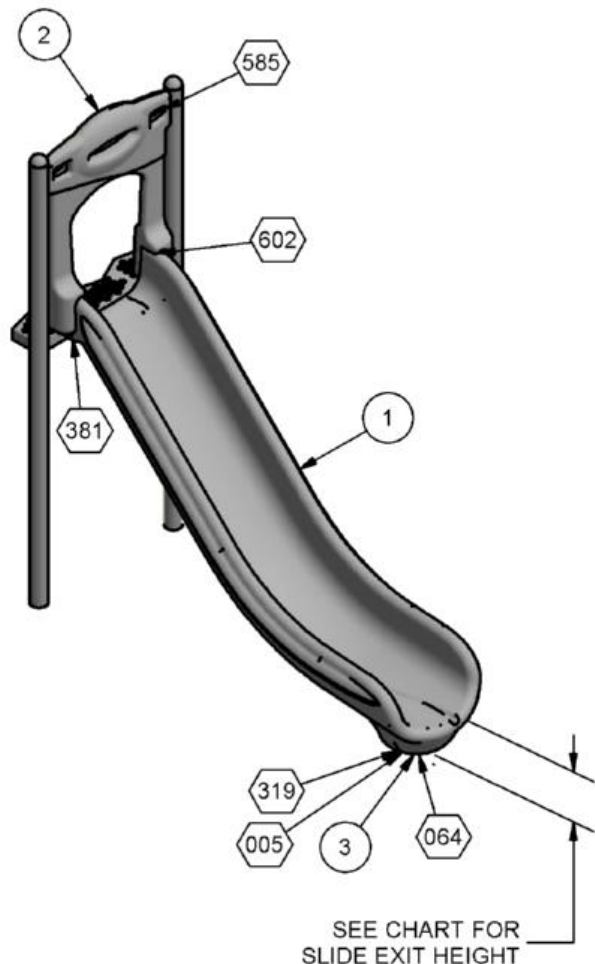
19125
19126
19127

**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.

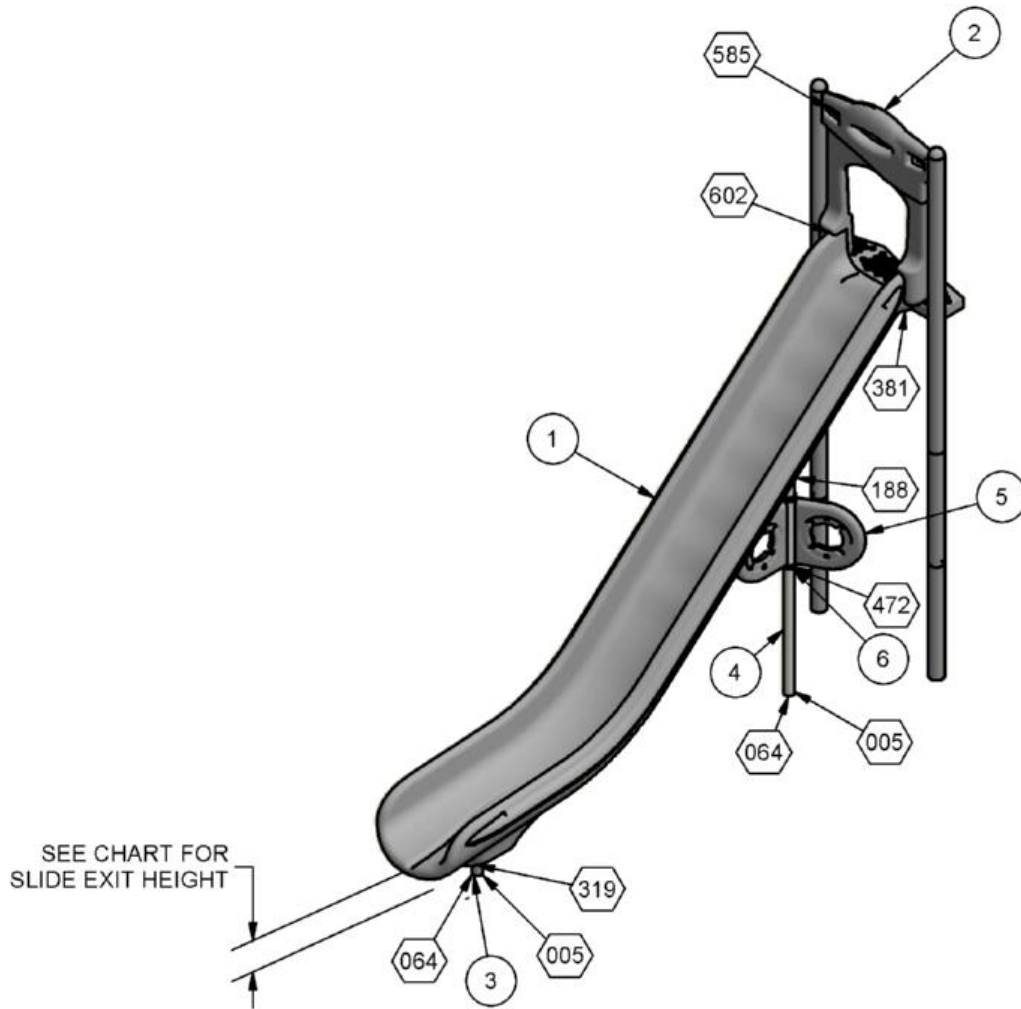
EXIT HEIGHT CHART -for- 19122 & 19123	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	11" OR LESS
CSA	275 mm OR LESS
EN	200mm OR LESS

EXIT HEIGHT CHART -for- 19124, 19125, 19126 & 19127	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	7" TO 15"
CSA	175 mm TO 380mm
EN	350 mm OR LESS

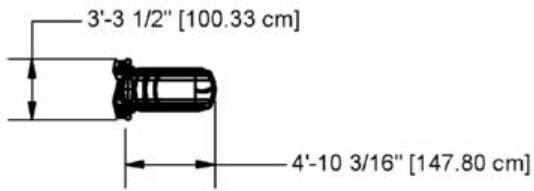


ASSEMBLY DRAWING

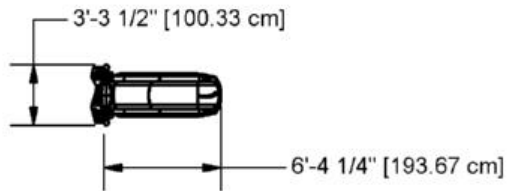
19124 SHOWN
OTHERS SIMILAR



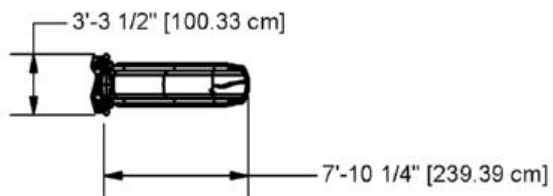
ASSEMBLY VIEW
19127 SHOWN



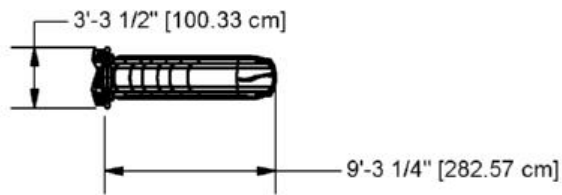
19122



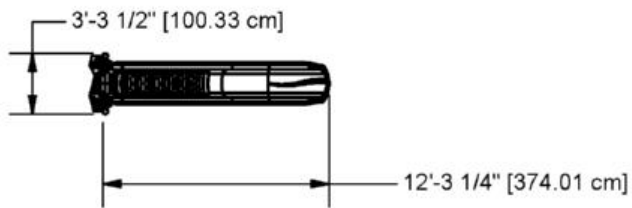
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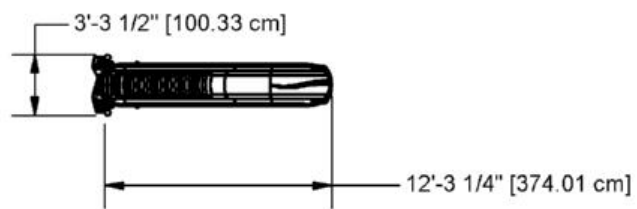
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19125



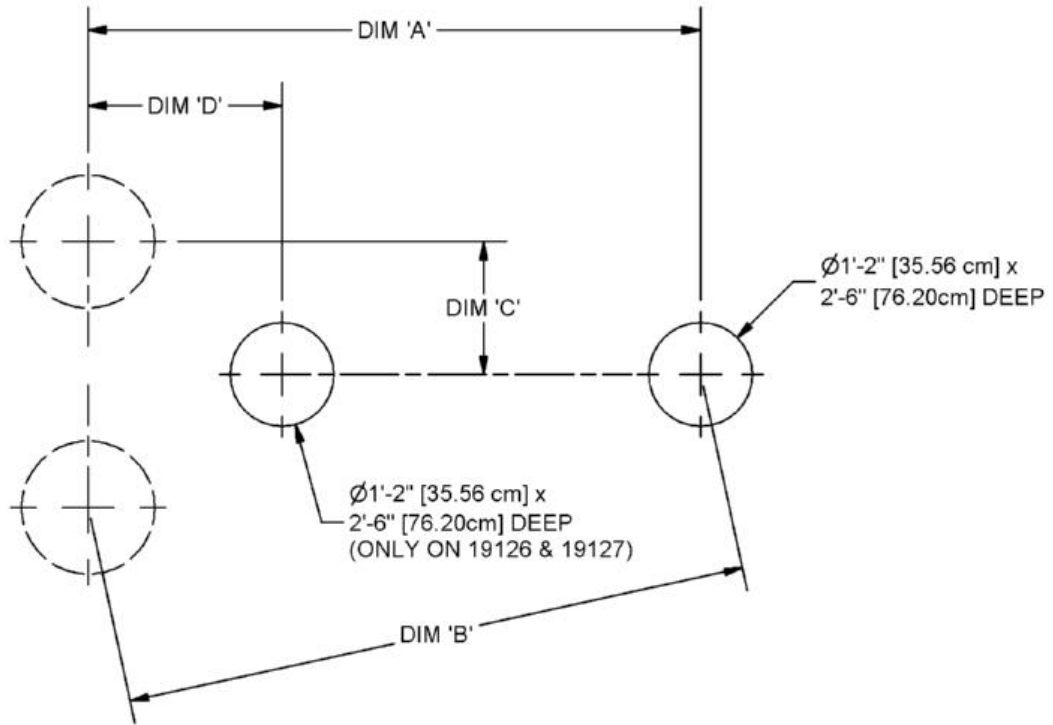
19126



19127

TOP VIEWS

PART NO.	DIM "A"	DIM "B"	DIM "C"	DIM "D"
19122 (2'-6")	4'-0 1/16" [122.08cm]	4'-3 3/8" [130.49cm]	1'-6" [45.72cm]	N/A
19123 (4')	5'-4 7/8" [164.78cm]	5'-7 1/4" [170.82cm]	1'-6" [45.72cm]	N/A
19124 (5')	6'-10 7/8" [210.50cm]	7'-0 3/4" [215.27cm]	1'-6" [45.72cm]	N/A
19125 (6')	8'-3 7/8" [253.68cm]	8'-5 7/16" [257.65cm]	1'-6" [45.72cm]	N/A
19126 (8')	10'-2 3/4" [311.80cm]	10'-5 3/16" [317.95cm]	1'-6" [45.72cm]	2'-3 3/8" [69.52cm]
19127 (8')	10'-2 3/4" [311.80cm]	10'-5 3/16" [317.95cm]	1'-6" [45.72cm]	2'-3 3/8" [69.52cm]



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
 FOR 19122 - 19125
 .06 CUBIC YARDS
 [.05 CUBIC METERS]

CONCRETE REQUIRED:
 FOR 19126 & 19127
 .12 CUBIC YARDS
 [.10 CUBIC METERS]

Parts List								
REF.	DESCRIPTION	19122	19123	19124	19125	19126	19127	PART NUMBER
1	ZIP SLIDE 3'	1	0	0	0	0	0	176399
1	ZIP SLIDE 4'	0	1	0	0	0	0	176186
1	ZIP SLIDE 5'	0	0	1	0	0	0	176187
1	ZIP WAVE SLIDE 6'	0	0	0	1	0	0	176154
1	ZIP SLIDE 8'	0	0	0	0	1	1	176689
2	ZIP SLIDE ENTRANCE	1	1	1	1	1	1	202636
3	FOOTBUCK	1	1	1	0	1	1	176385
3	FOOTBUCK	0	0	0	1	0	0	176384
4	SUPPORT PIPE WELD ASS'Y	0	0	0	0	1	1	177159
5	SINGLE GIZMO PANEL	0	0	0	0	0	3	169416
6	FRAME ASSEMBLY	0	0	0	0	0	1	177156
	COLLAR	0	0	0	0	0	2	126934
	HARDWARE COMPLETE	1	0	0	0	0	0	202954
	HARDWARE COMPLETE	0	1	1	1	0	0	202955
	HARDWARE COMPLETE	0	0	0	0	1	0	202956
	HARDWARE COMPLETE	0	0	0	0	0	1	202957
	3/8" x 3/4" B.H.C.S.	4	4	4	4	4	4	811052*
	3/8" x 1" B.H.C.S	0	0	0	0	2	2	811050*
	3/8" x 1 3/4" B.H.C.S.	2	2	2	2	2	2	811054*
	3/8" x 2 1/4" B.H.C.S.	2	2	2	2	2	2	811056*
	3/8" x 2 1/2" B.H.C.S.	2	2	2	2	2	2	811057*
	3/8" LOCK WASHER	11	10	10	10	14	14	817334*
	3/8" FLAT WASHER	4	4	4	4	6	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	6	6	817424*
	3/8" HEX NUT	1	0	0	0	2	2	804053*
	3/8" x 3 1/2" HEX HEAD BOLT	1	0	0	0	2	2	801013*
	3/8" x 1 3/4" HEX HEAD BOLT	0	0	0	0	0	6	801006*
	3/8" T-NUT	0	0	0	0	0	6	804556*
	3/8" x 3/8" SET SCREW	0	0	0	0	0	4	811549*
	NYLON BUSHING	0	0	0	0	0	2	140651*
	6" EXTENSION	1	0	0	0	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.**

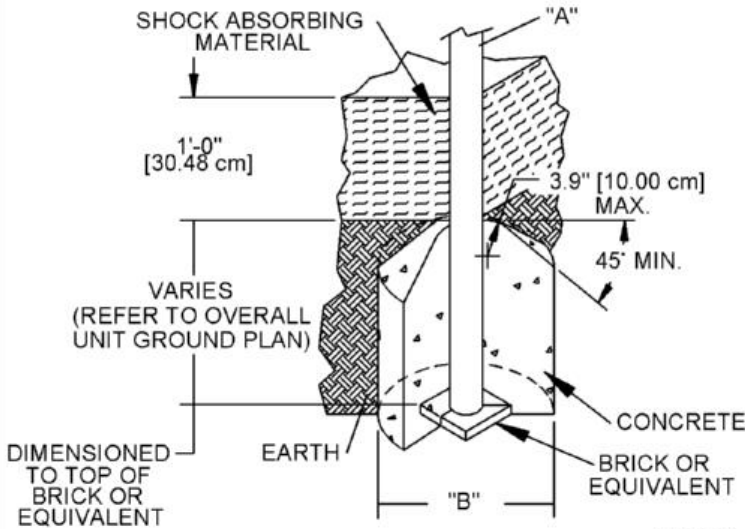
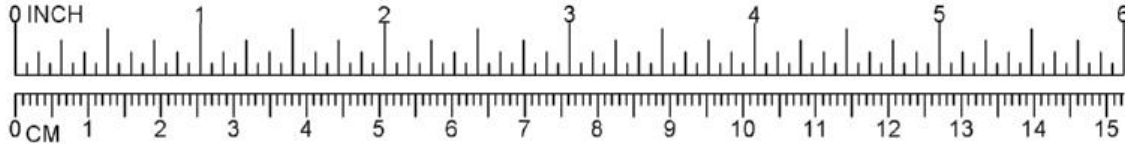
DETAILS -for- 19122 - 19127

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.



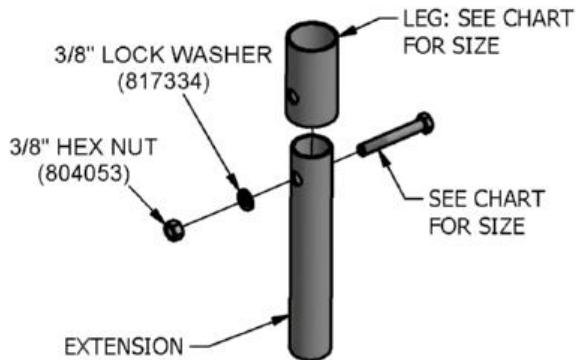
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

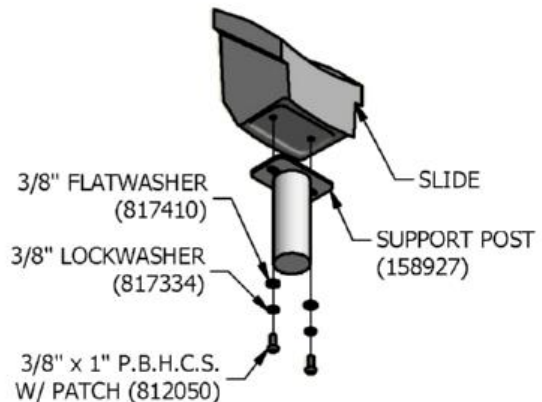
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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.



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



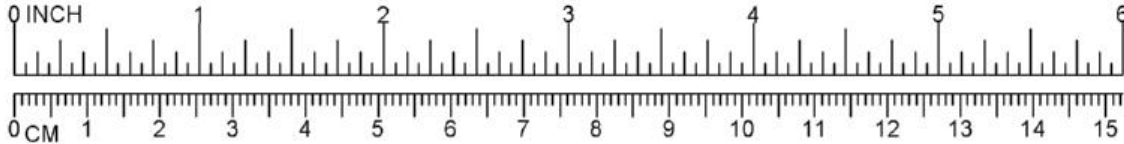
DETAILS -for- 19122 - 19127

IMPORTANT

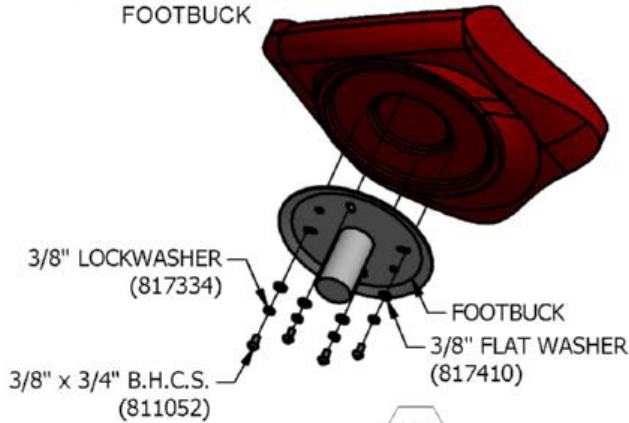
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

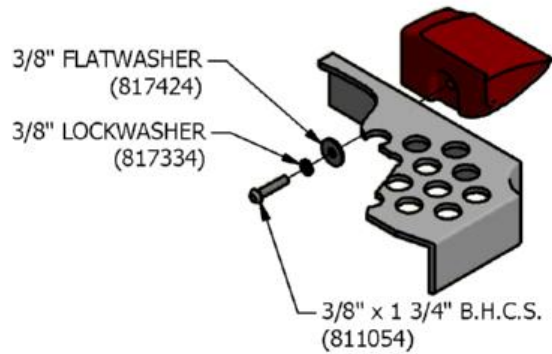
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



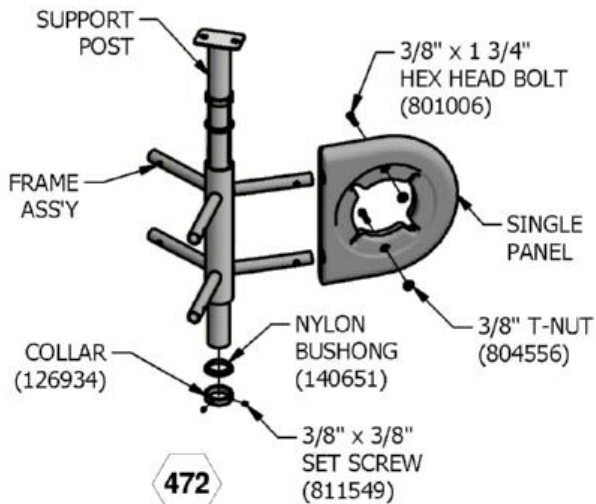
SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



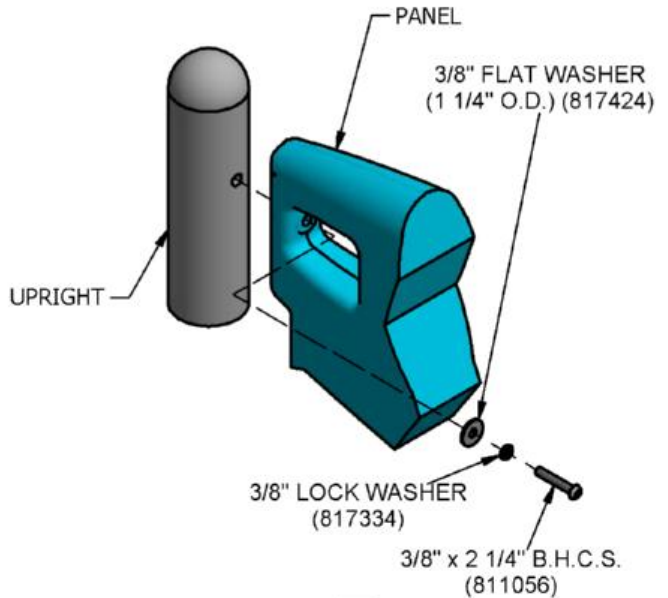
319



381



472



585

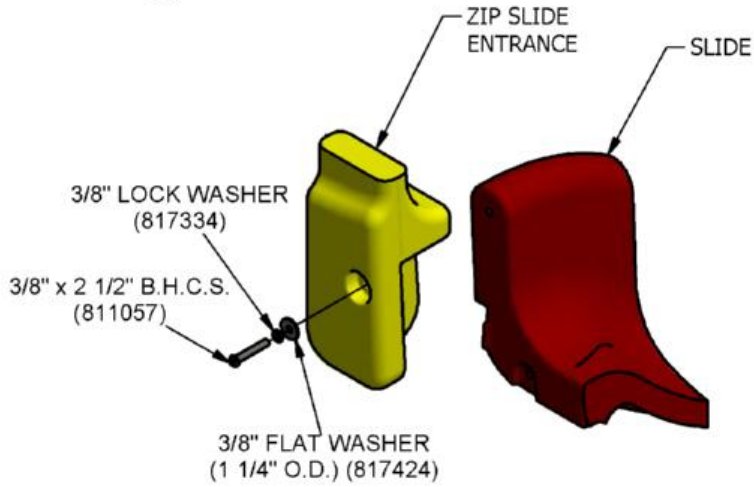
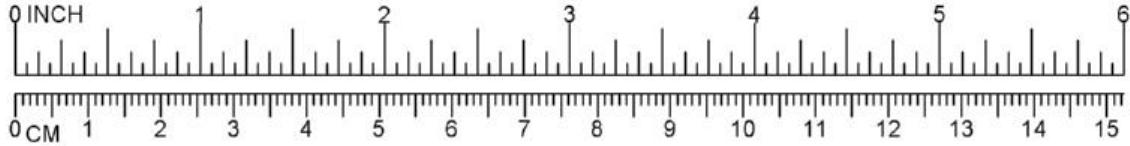
DETAILS -for- 19122 - 19127

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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ISSUED/REVISED: 1/17/17

19215

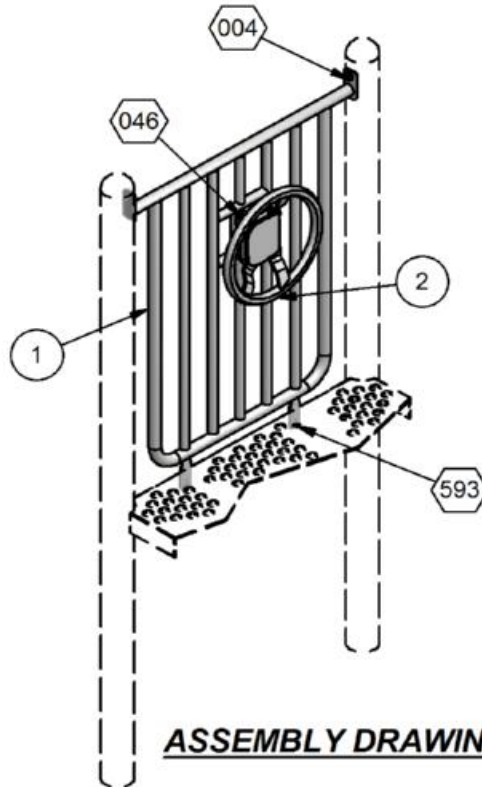
RUNG ENCLOSURE w/ MOLDED STEERING WHEEL

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

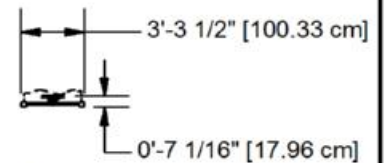


INSTALLATION INSTRUCTIONS

- 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.



ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RUNG ENCLOSURE w/ PLATE	1	203063
2	STEERING WHEEL ASSEMBLY	1	163235
	HARDWARE COMPLETE	1	203258
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCKWASHER	6	817334*
	3/8" ACORN NUT	2	804002*
	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.**

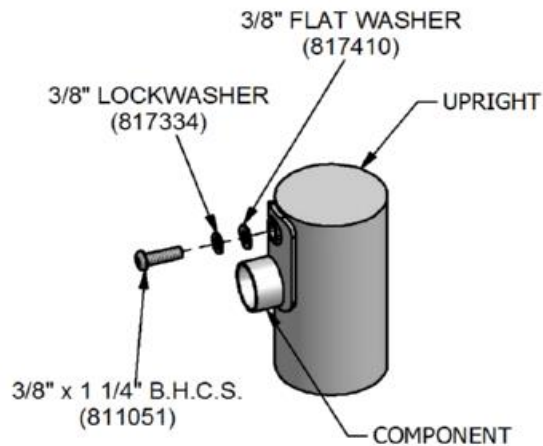
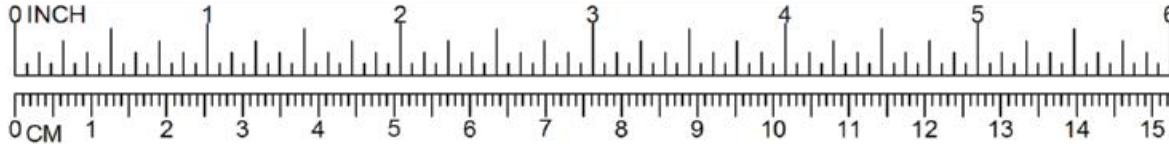
DETAILS -for- 19215

IMPORTANT

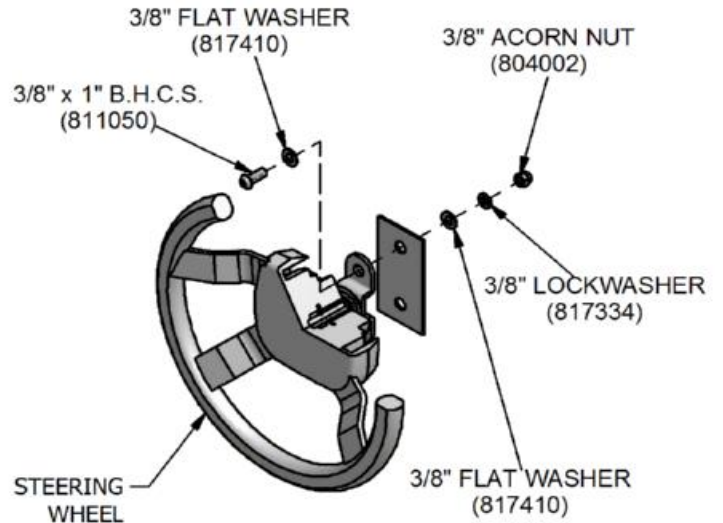
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

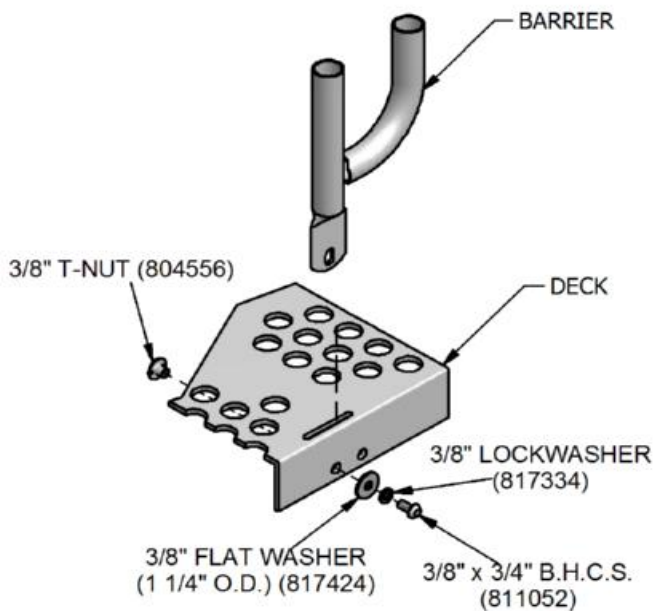
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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ISSUED/REVISED: 1/29/18

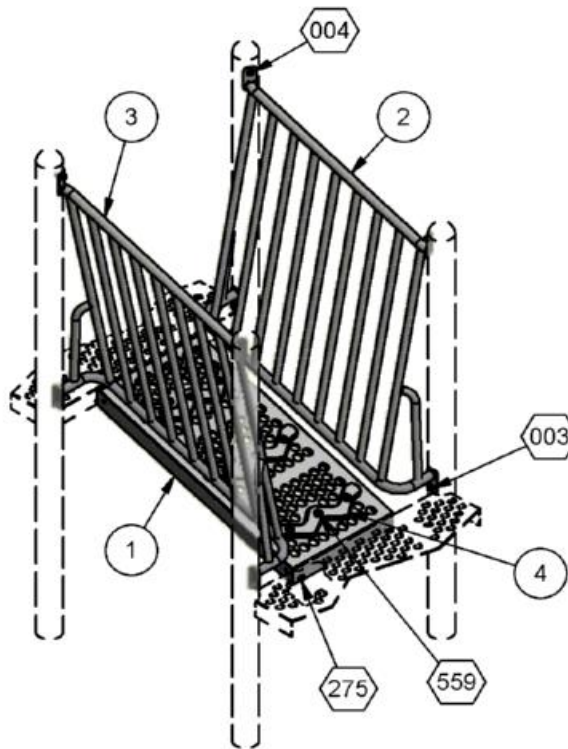
19223 SLOPED FUNNEL CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

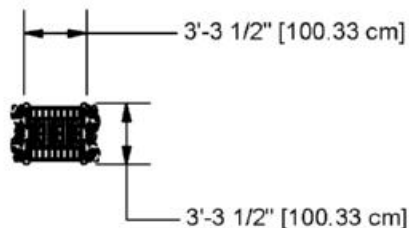


INSTALLATION INSTRUCTIONS

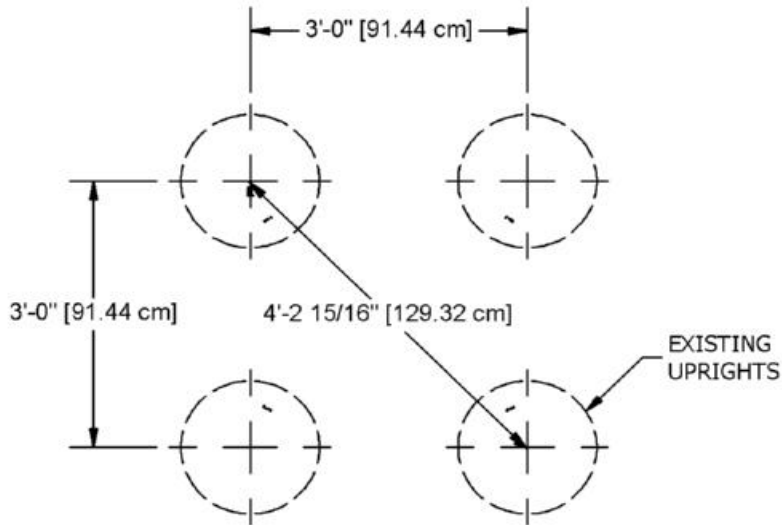
- 1.) BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED **INSTALLER INSTRUCTIONS** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.
- 2.) ASSEMBLE PARTS AS SHOWN IN THE **ASSEMBLY DRAWING**. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.
- 3.) LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.



ASSEMBLY DRAWING



TOP VIEW



GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	COATED WALKWAY	1	200572
2	RIGHT BARRIER ASSEMBLY	1	206629
3	LEFT BARRIER ASSEMBLY	1	206627
4	HDPE STEP	3	200687
	HARDWARE COMPLETE	1	203274
	3/8" x 3/4" B.H.C.S.	13	811052*
	3/8" x 1 1/4" B.H.C.S.	8	811051*
	3/8" FLAT WASHER	13	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCK WASHER	12	817334*
	3/8" TEE NUT	13	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.**

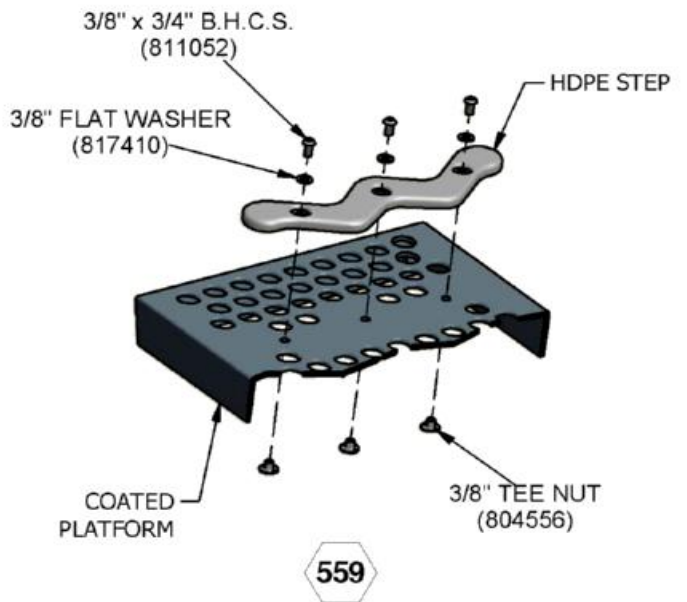
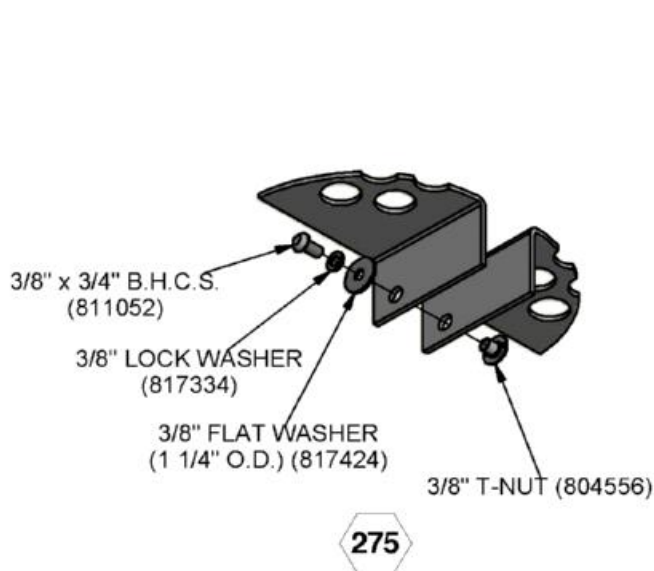
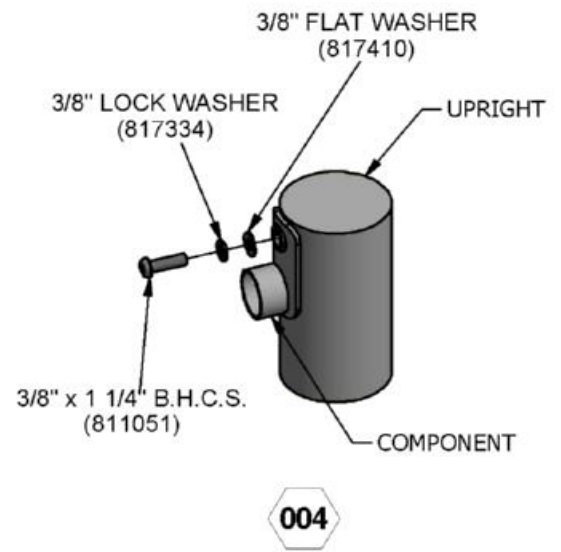
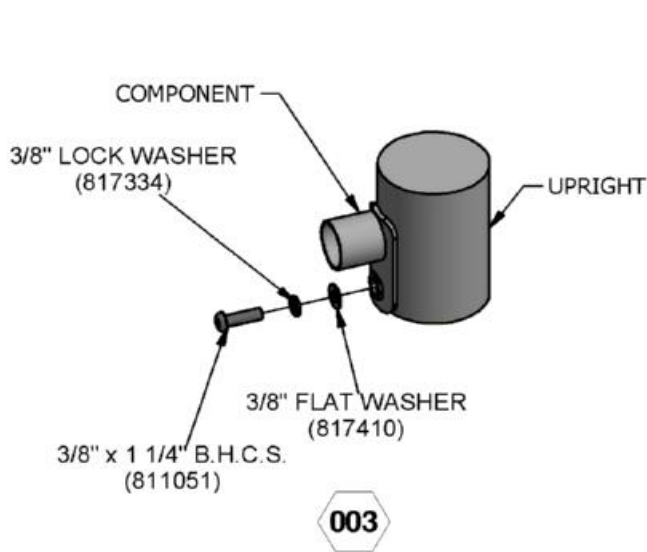
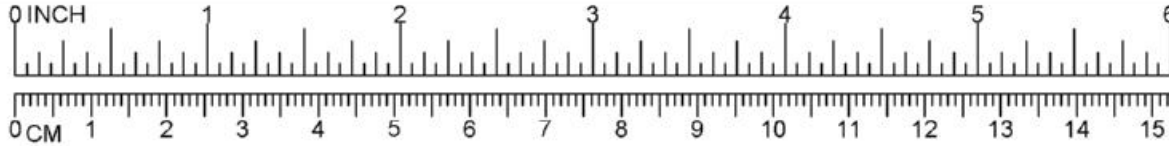
DETAILS -for- 19223

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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ISSUED/REVISED: 1/18/18

19231 LOOP LADDER CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

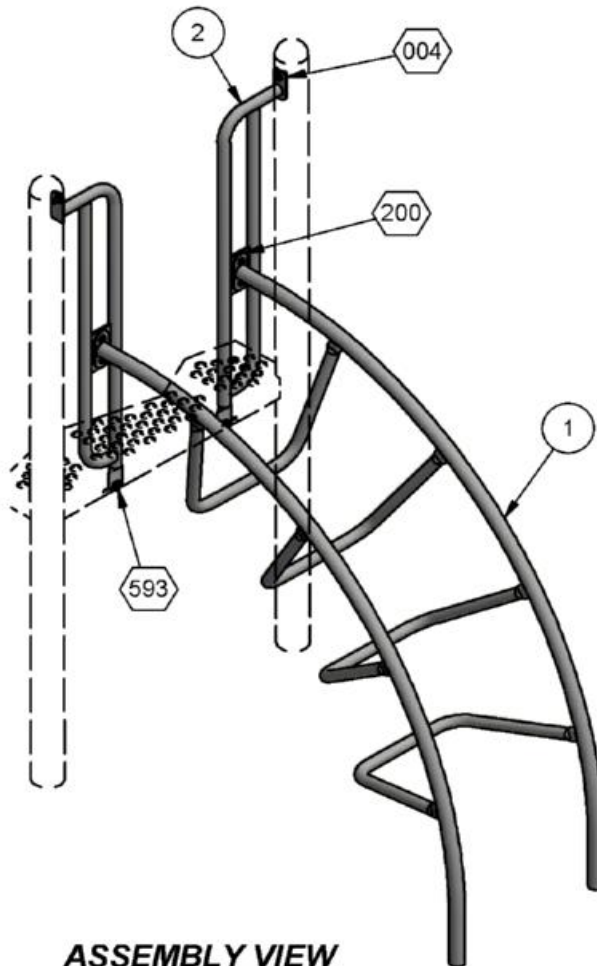
3'	19231
3'-6", 4'	19232
5'	19233
6'	19234



19231
19232



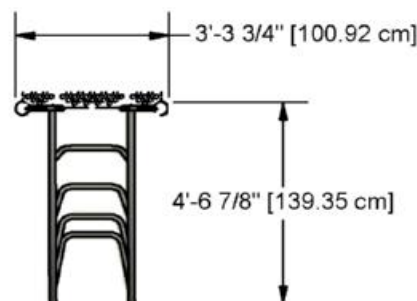
19233
19234



ASSEMBLY VIEW
19231 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.



TOP VIEW

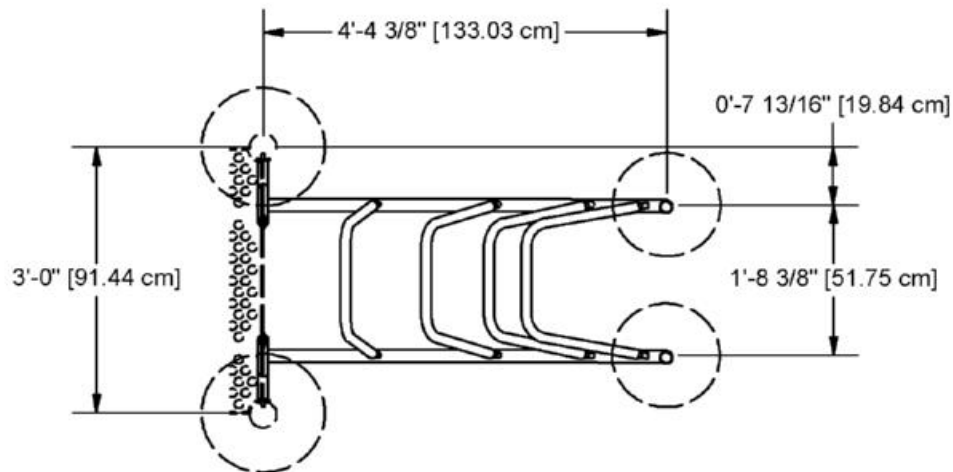
Parts List						
REF.	DESCRIPTION	19231	19232	19233	19234	PART NUMBER
1	LOOP LADDER ASSEMBLY	1	0	0	0	204858
1	LOOP LADDER ASSEMBLY	0	1	0	0	204859
1	LOOP LADDER ASSEMBLY	0	0	1	0	204860
1	LOOP LADDER ASSEMBLY	0	0	0	1	204861
2	D-RING WELD ASSEMBLY	2	2	2	2	203227
	HARDWARE COMPLETE	1	1	1	1	203231
	3/8" x 1" B.H.C.S.	6	4	4	4	811050*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	811051*
	3/8" FLAT WASHER	14	14	14	14	817410*
	3/8" T-NUT	2	2	2	2	804556*
	3/8" LOCK WASHER	10	8	8	8	817334*
	3/8" ACORN NUT	6	4	4	4	804002*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	817424*
	3/8" x 3/4" B.H.C.S.	2	2	2	2	811052*

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

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

DECK HEIGHT	DIMENSION 'A'
3'-0"	2'-6" [76.20 cm]
3'-6"	3'-0" [91.44 cm]
4'-0"	2'-6" [76.20 cm]
5'-0"	2'-6" [76.20 cm]
6'-0"	2'-6" [76.20 cm]

CONCRETE REQUIRED:

2'-6" HOLE DEPTH:
.12 CUBIC YARDS
[.09 CUBIC METERS]

3'-0" HOLE DEPTH:
.16 CUBIC YARDS
[.12 CUBIC METERS]

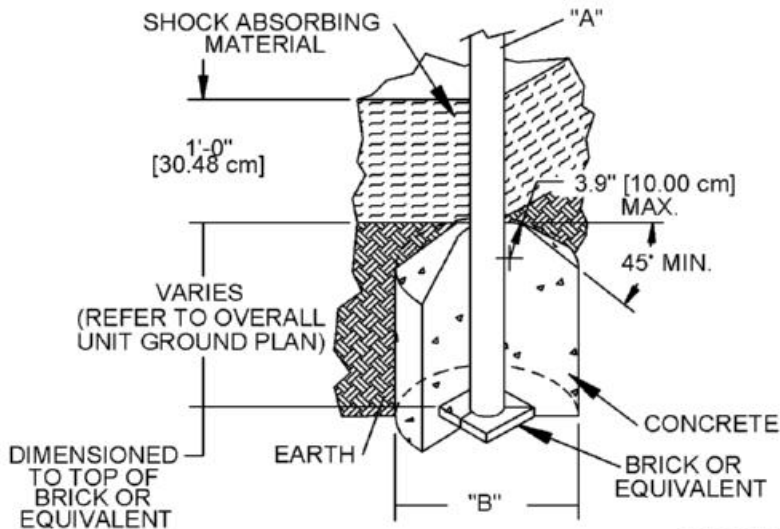
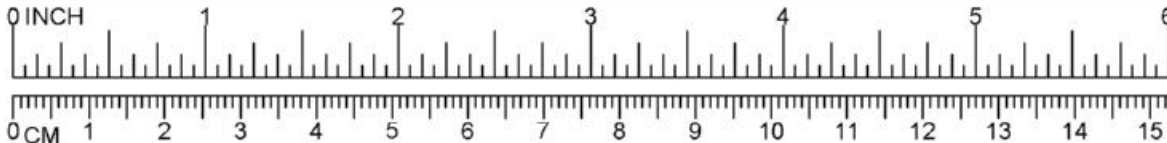
DETAILS -for- 19231-19234

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.

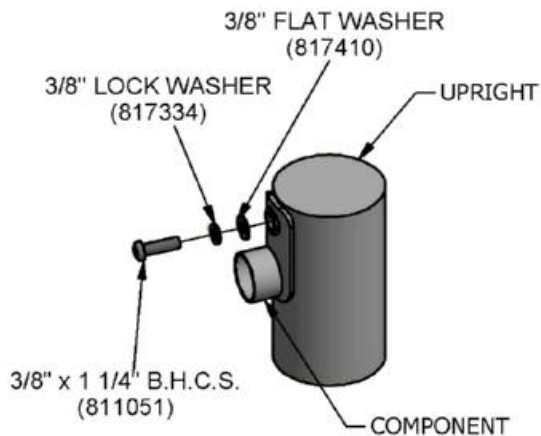


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

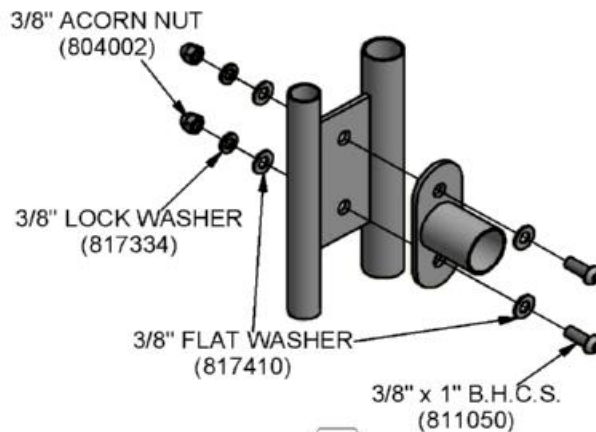
NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.



004



200

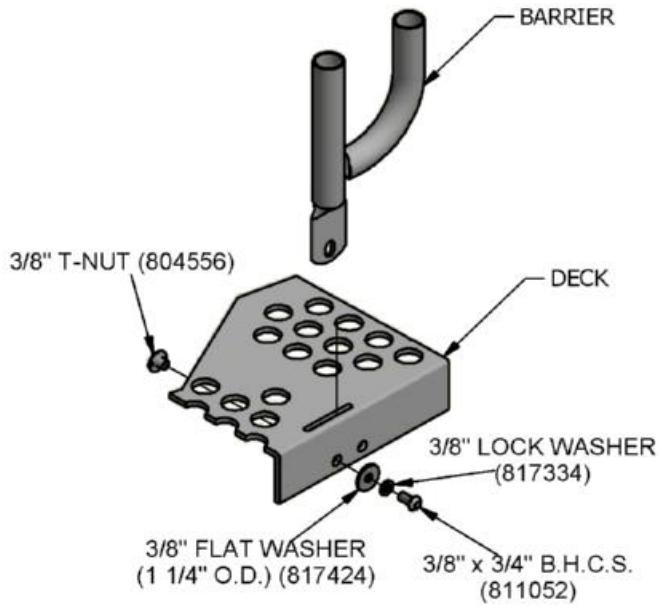
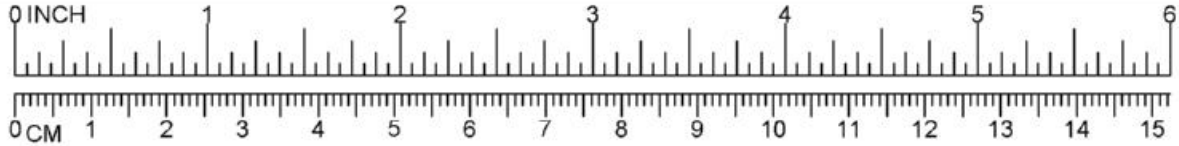
DETAILS -for- 19231-19234

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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

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ISSUED/REVISED: 10/30/13

19243
DRIVERS PANEL

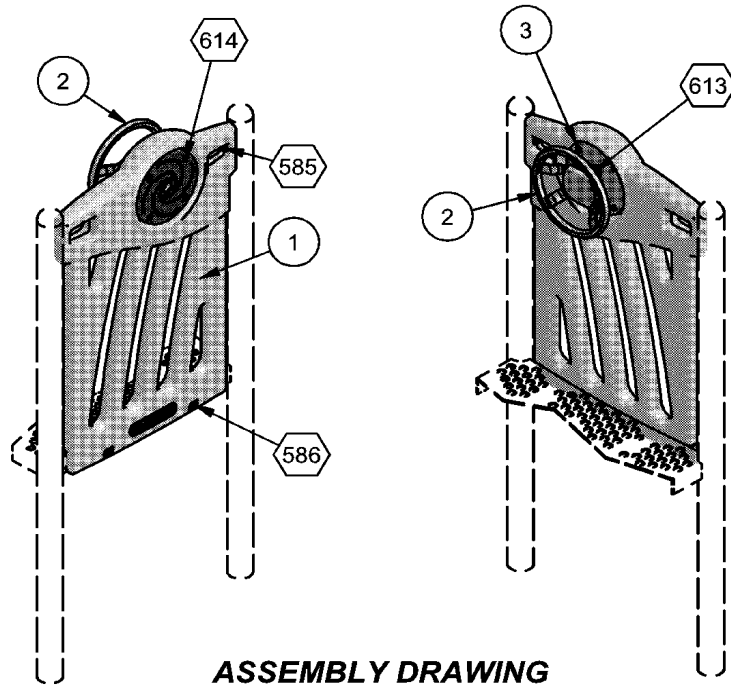
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

DRIVERS PANEL 19243
THUNDERRING PANEL 19244

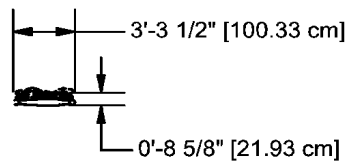


**INSTALLATION
INSTRUCTIONS**

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 OTHER) SHOULD BE USED ON ALL THREADED HARDWARE.
4. ATTACH STEERING WHEEL OR THUNDERRING TO PLATE USING DETAIL 613 BEFORE ATTACHING PLATE TO PANEL.



ASSEMBLY DRAWING



TOP VIEW

Parts List				
REF	DESCRIPTION	19243	19244	PART NUMBER
1	SINGLE GIZMO PANEL	1	1	202602
2	STEERING WHEEL ASSEMBLY	1	0	163235
2	THUNDER RING	0	1	179013
3	WHEEL PLATE FRONT	1	1	203186
4	WHEEL PLATE REAR	1	1	207477
	HARDWARE COMPLETE	1	1	207546
	3/8" x 1 1/2" B.H.C.S.	2	2	811053*
	3/8" x 2 1/4" B.H.C.S.	2	2	811056*
	3/8" FLAT WASHER	6	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	10	10	817334*
	3/8" BARREL NUT	4	4	804804*
	3/8" LOCK NUT	2	2	804353*
	3/8" x 1" HEX BOLT	2	2	801003*
	3/8" T-NUT	2	2	804556*
	3/8" x 2 3/4" B.H.C.S.	4	4	811058*

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.

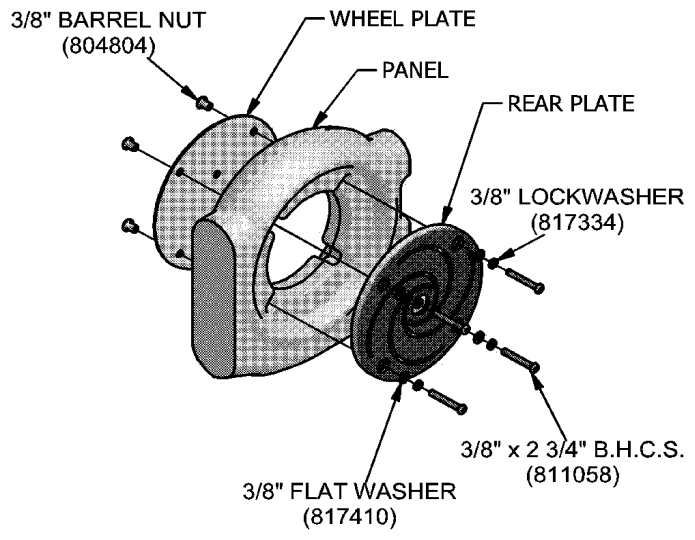
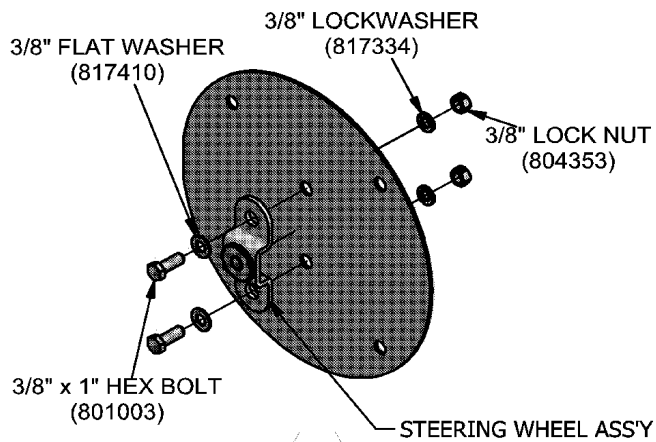
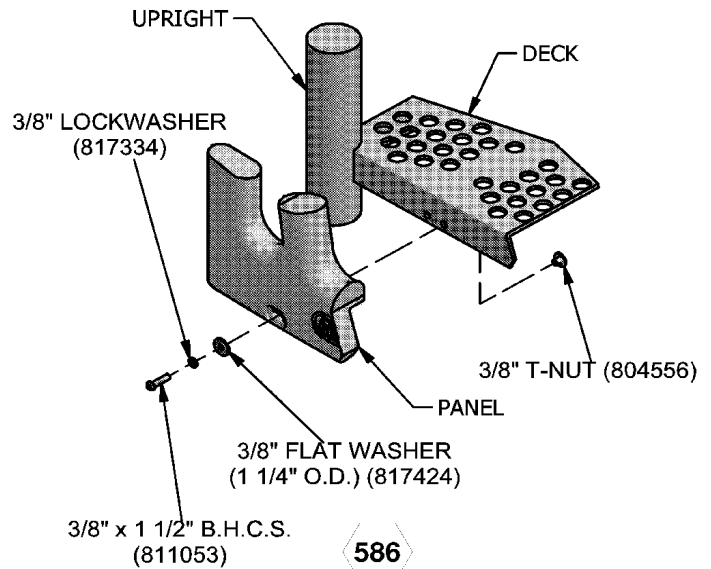
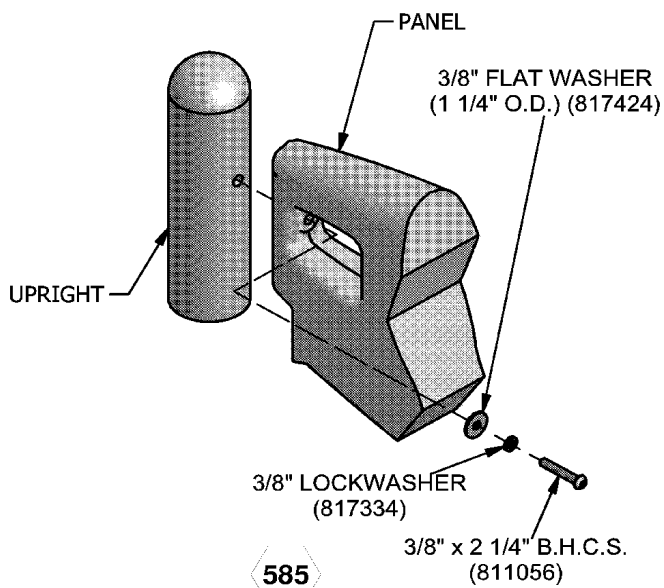
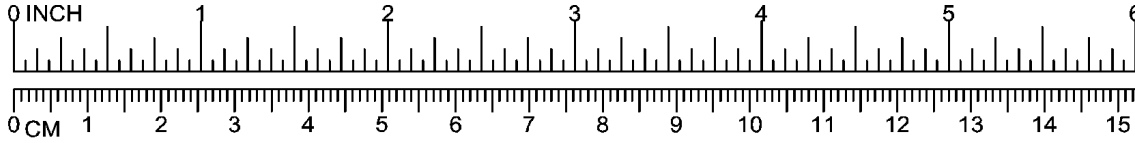
DETAILS -for- 19243 AND 19244

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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ISSUED/REVISED: 12/09/11

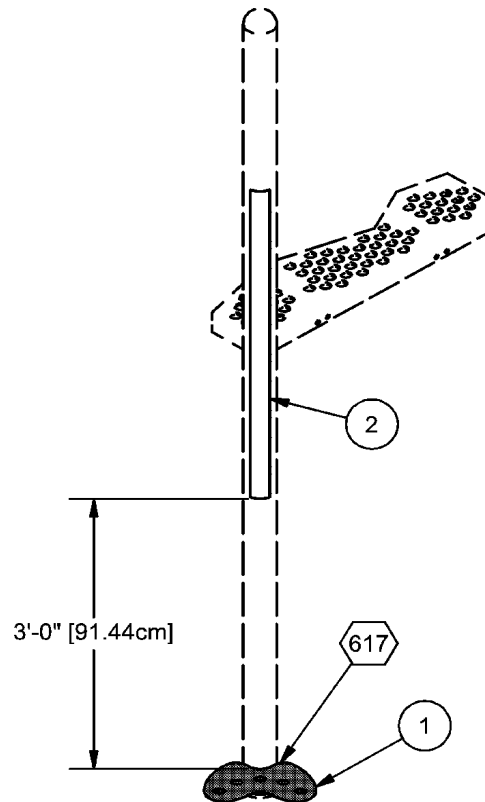
HOW TALL AM I

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

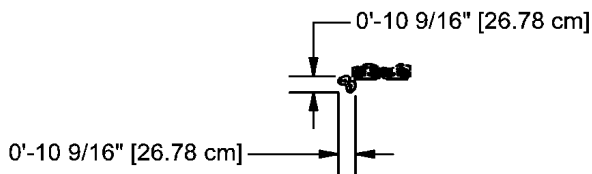


INSTALLATION INSTRUCTIONS

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.
 4. Attach Decal to Upright as shown in Assembly Drawing.
- NOTE:** 3 foot on Decal is 36" above Foot Pad.



ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	COATED FOOT PAD	1	203254
	HARDWARE COMPLETE	1	203259
2	HOW TALL AM I DECAL	1	203257*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" LOCKWASHER	2	817334*
	3/8" FLAT WASHER	2	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.
Note: Loctite (supplied by others) should be used on any non-patch hardware.

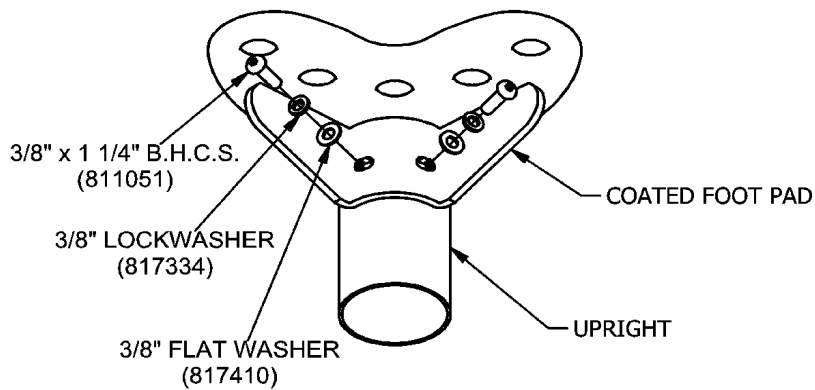
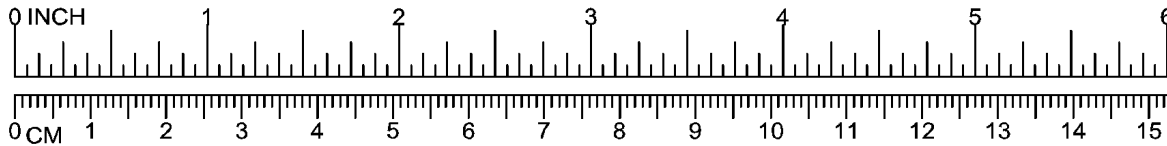
DETAILS -for- 19247

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.



617

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19250

GameTime[®]

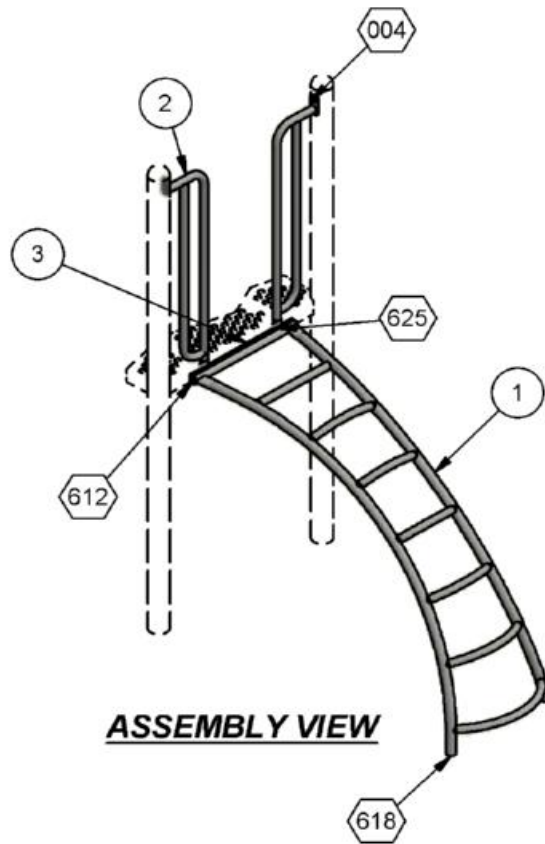
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1-800-235-2440

HOUR GLASS CLIMBER

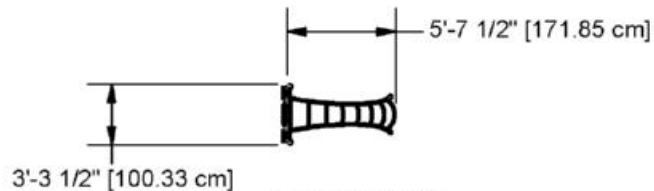
ISSUED/REVISED: 1/18/18

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

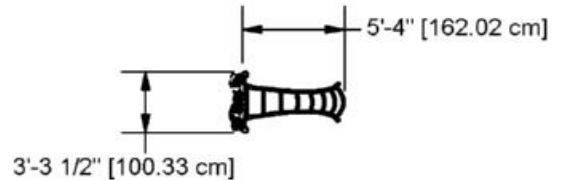


INSTALLATION INSTRUCTIONS

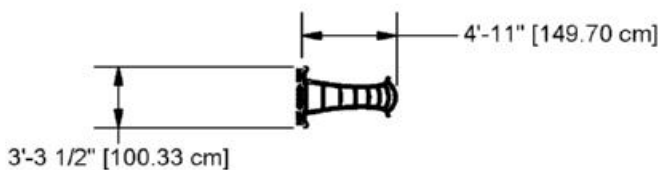
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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



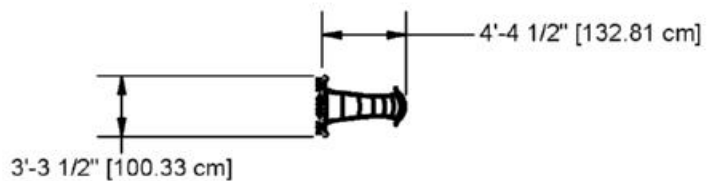
3'6" DECK



4'0" DECK

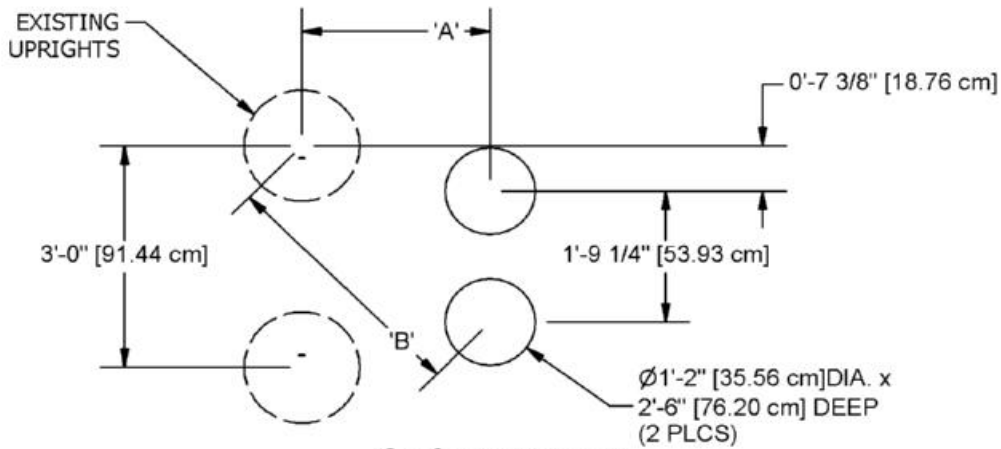


4'6" DECK



5'0" DECK

TOP VIEWS



GROUND PLAN

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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

Table		
DECK HEIGHT	A	B
3'-6"	5'-1 3/8" [155.86 cm]	5'-7 11/16" [171.95cm]
4'-0"	4'-9" [144.84 cm]	5'-3 13/16" [162.05cm]
4'-6"	4'-3 9/16" [130.95 cm]	4'-11" [149.78 cm]
5'-0"	3'-8 1/2" [113.08 cm]	4'-4 15/16" [134.44cm]

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	HOUR GLASS CLIMBER	1	203261
2	D-RING WELD ASS'Y	2	202623
3	MOUNTING BRACKET	1	203269
	FOOTBUCK	2	203271
	HARDWARE COMPLETE	1	203272
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1 1/4" B.H.C.S.	4	811051*
	3/8" x 2" B.H.C.S.	2	811055*
	3/8" LOCK WASHER	8	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	4	804556*
	3/8" FLAT WASHER	2	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.
 Note: Loctite (supplied by others) should be used on any non-patch hardware.**

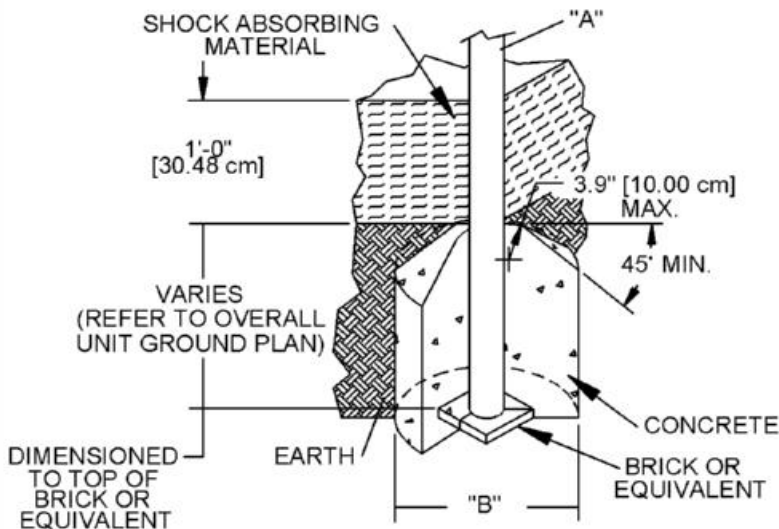
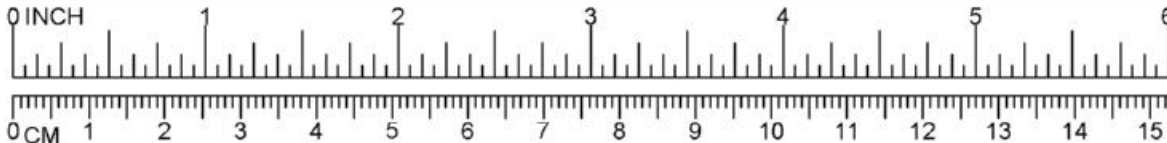
DETAILS -for- 19250

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.



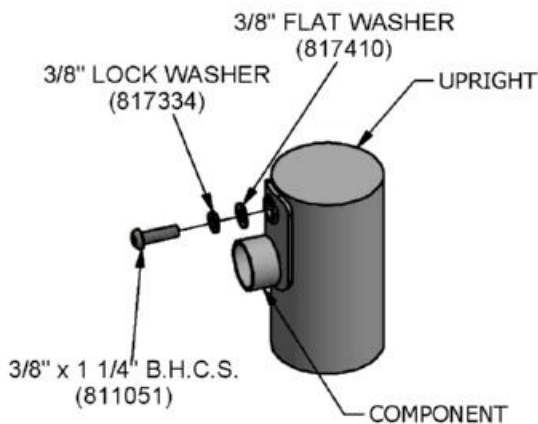
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

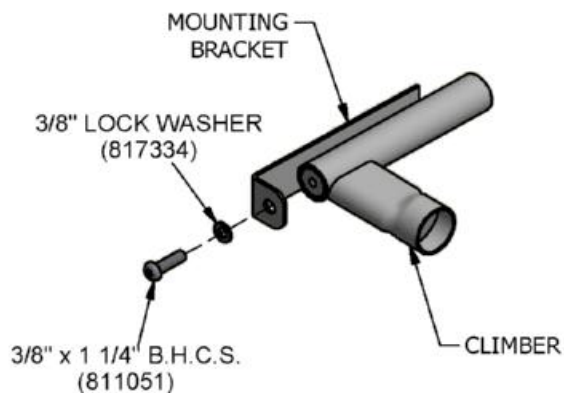
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.



004



612

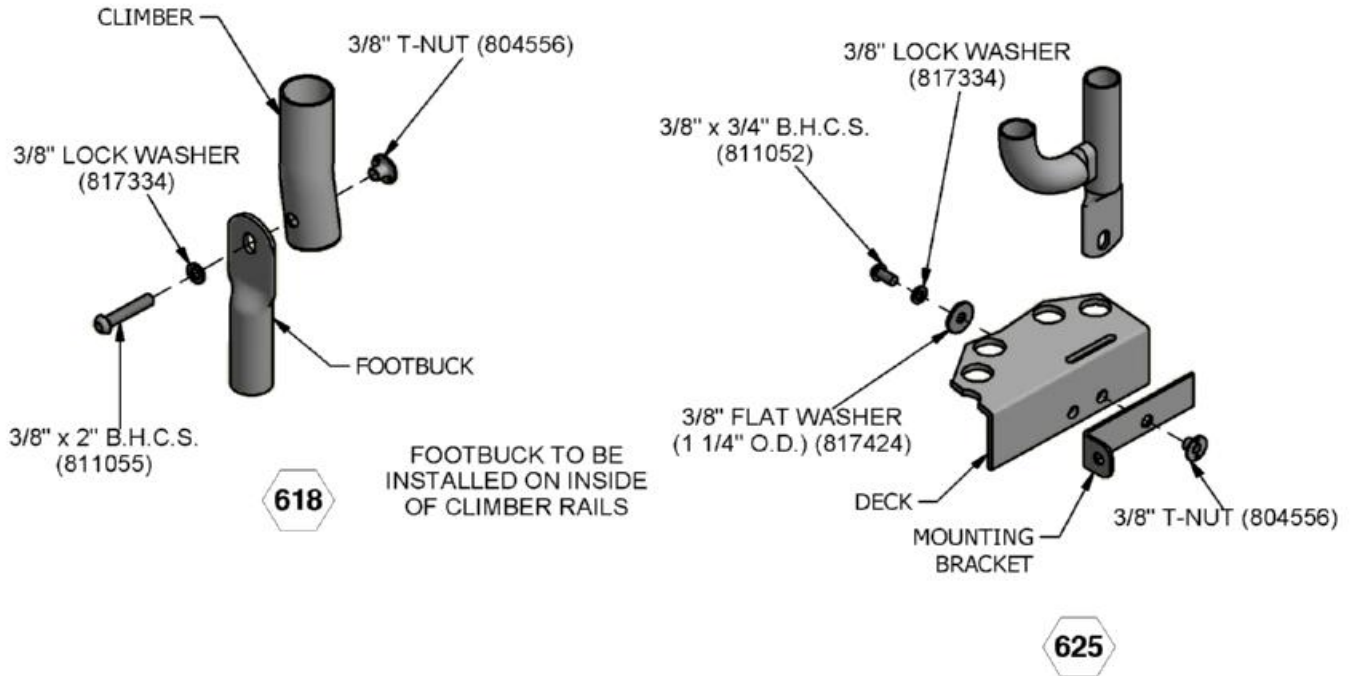
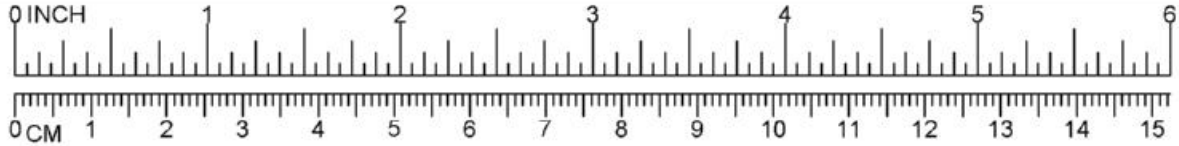
DETAILS -for- 19250

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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19285



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ISSUED/REVISED: 1/18/17

TRANSFER PLATFORM WITH GUARDRAIL

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

3' 19285
4' 19286



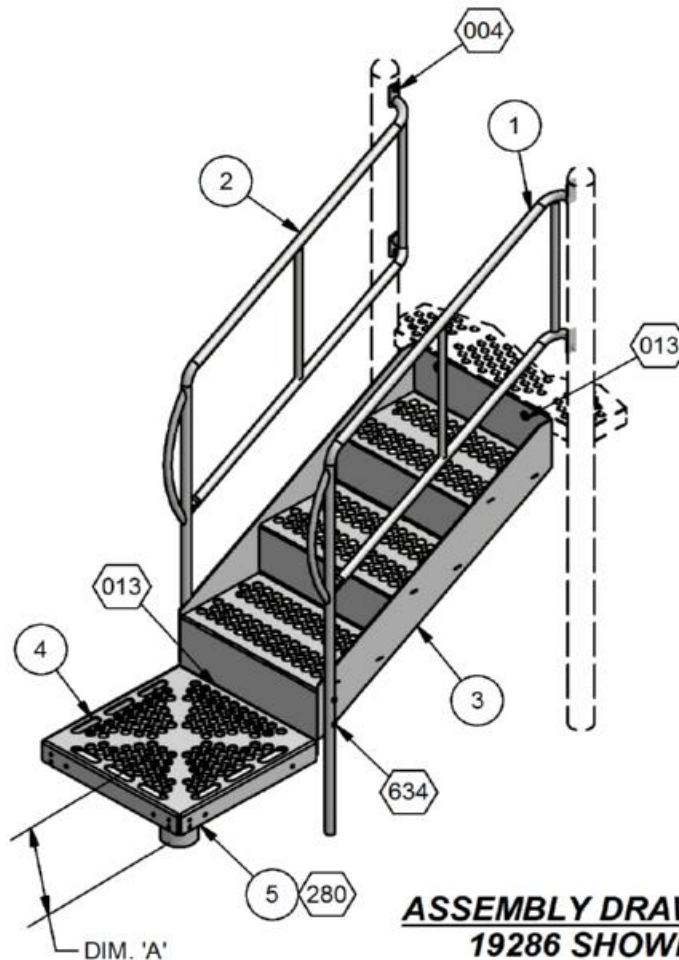
19285



19286

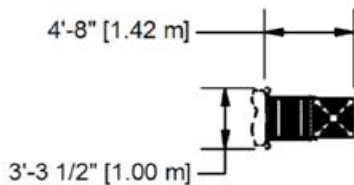
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Remove coating from mounting holes on ramp section(s) and deck.
3. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
4. Loctite (supplied by others) should be used on all threaded hardware.

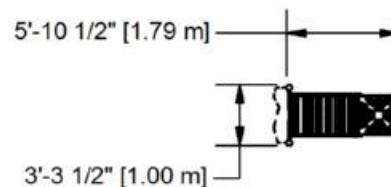


**ASSEMBLY DRAWING
19286 SHOWN**

Table	
COMPONENT	DIM. 'A'
19285	1'-0" [30.48 cm]
19286	1'-4" [40.64 cm]

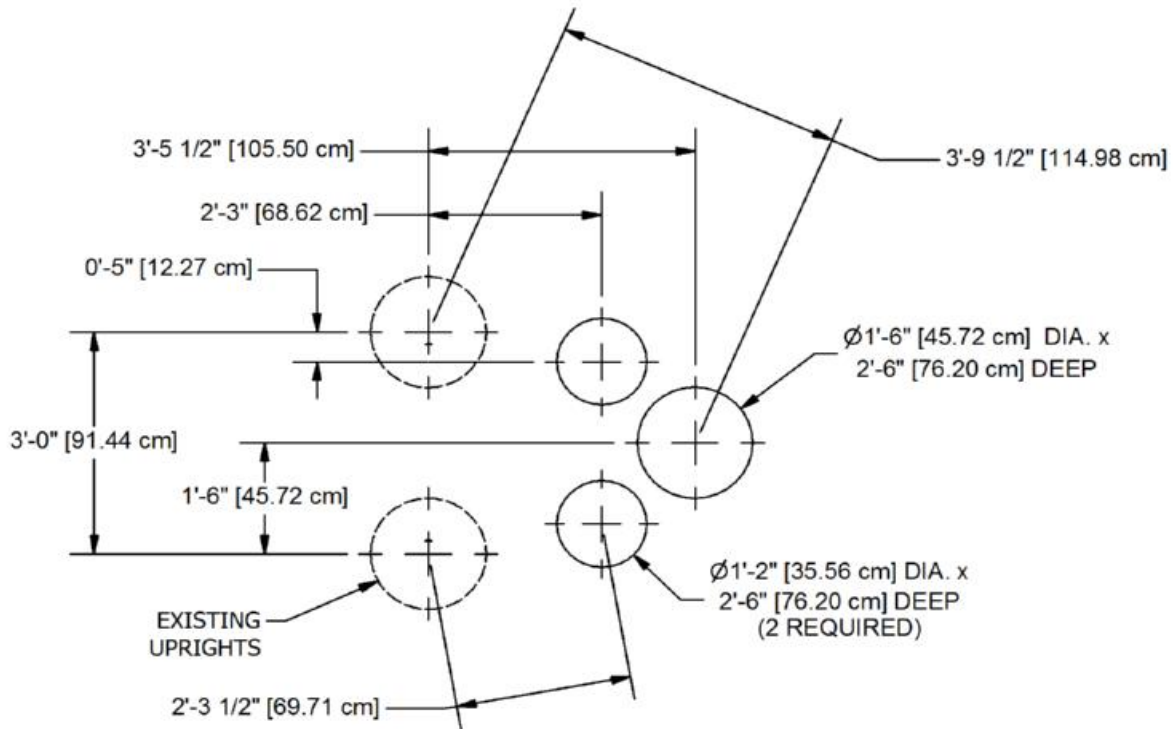


19285



19286

TOP VIEWS

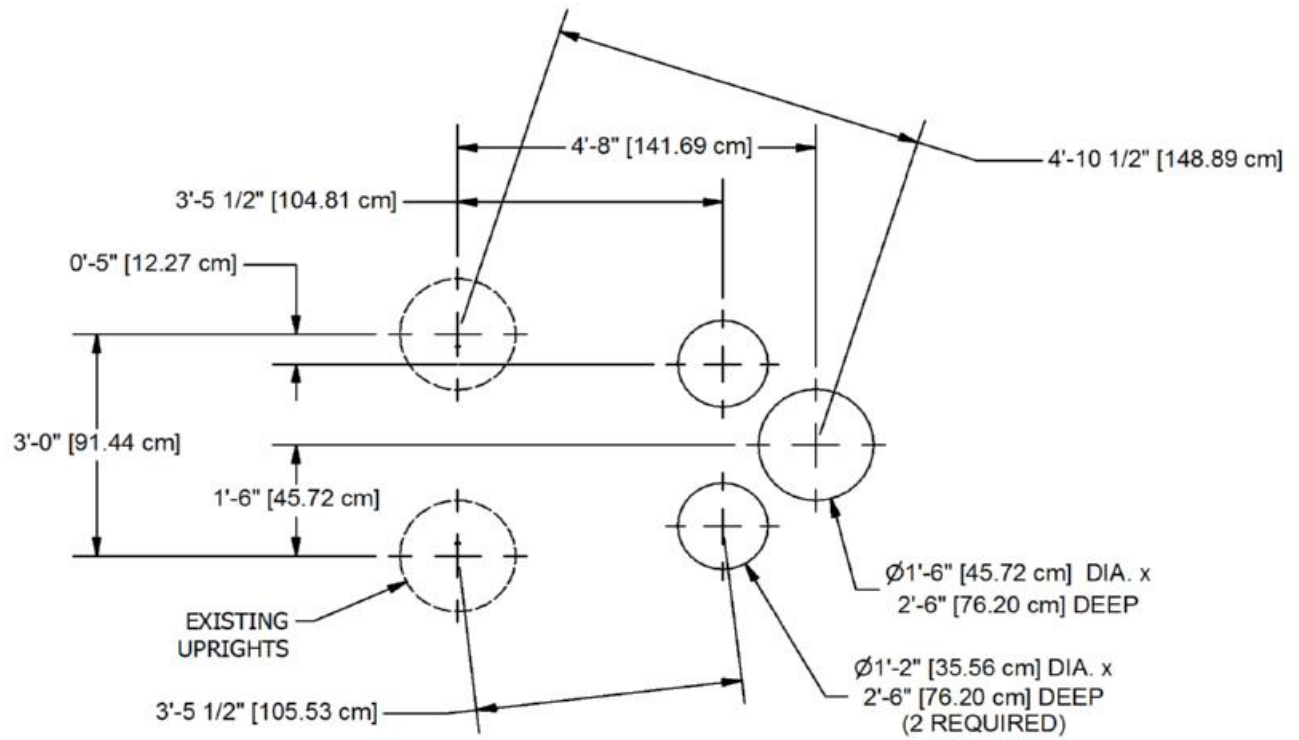


19285

CONCRETE REQUIRED
 .22 Cubic Yards
 [.17 Cubic Meters]

GROUND PLANS

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.



19286

Parts List				
REF.	DESCRIPTION	19285	19286	PART NUMBER
1	RIGHT GUARDRAIL WELD ASSEMBLY	1	0	204801
1	RIGHT GUARDRAIL WELD ASSEMBLY	0	1	204805
2	LEFT GUARDRAIL WELD ASSEMBLY	1	0	204803
2	LEFT GUARDRAIL WELD ASSEMBLY	0	1	204808
3	STEP ASS'Y	1	0	160670
3	STEP ASS'Y	0	1	160674
4	COATED PLATFORM	1	1	160645
5	UPRIGHT ASS'Y	1	0	157034
5	UPRIGHT ASS'Y	0	1	160662
	HARDWARE COMPLETE	1	1	202998
	3/8" x 3/4" B.H.C.S.	7	7	811052*
	3/8" x 1 1/4" B.H.C.S.	4	4	811051*
	3/8" x 1 3/4" B.H.C.S.	4	4	811054*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	15	15	817334*
	3/8" T-NUT	11	11	804556*
	3/8" FLAT WASHER	4	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: 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.**

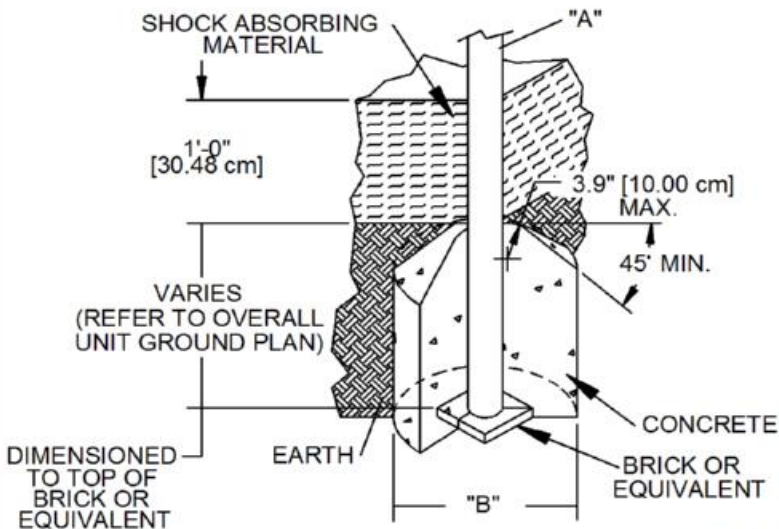
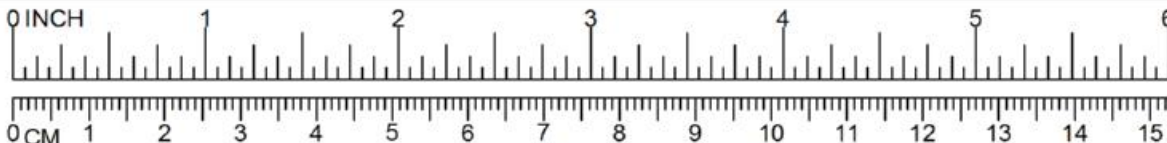
DETAILS -for- 19285 & 19286

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.



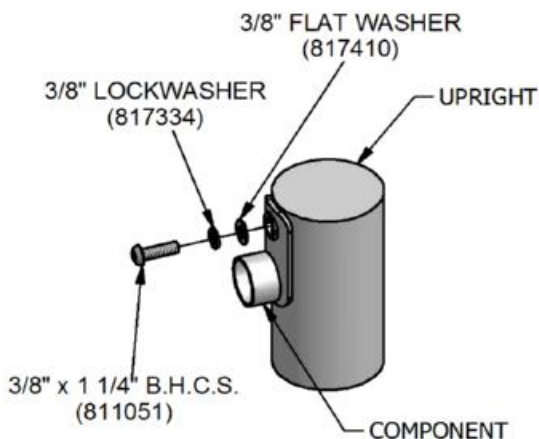
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

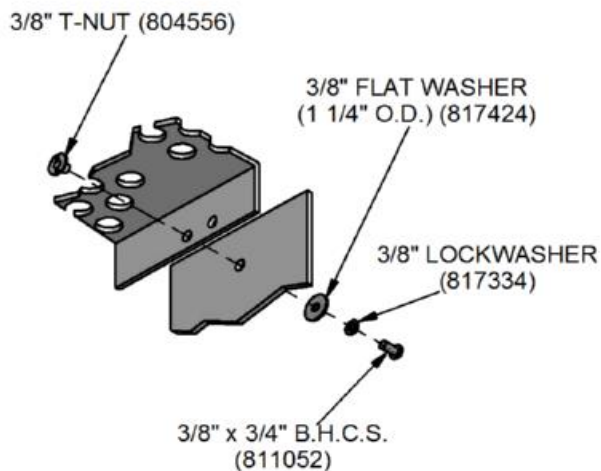
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.



004



013

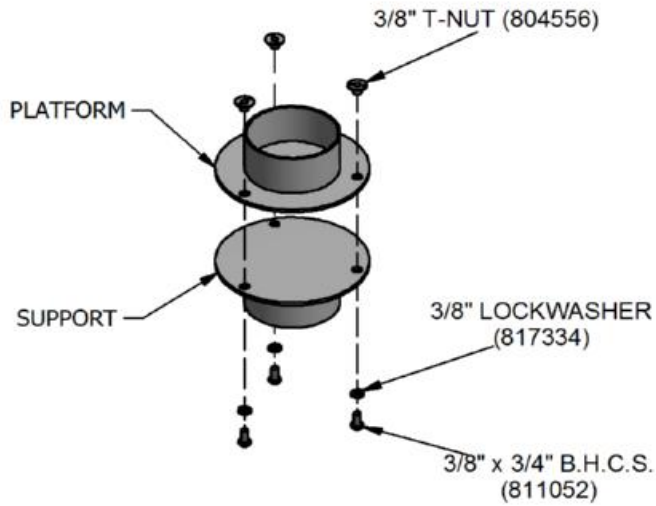
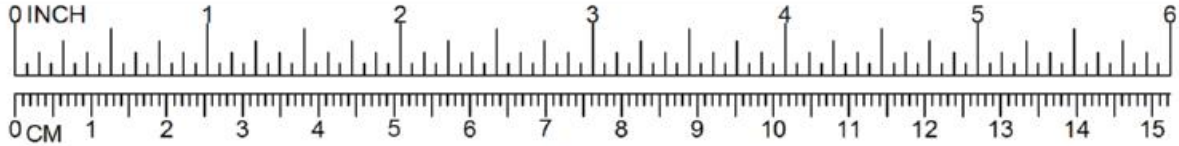
DETAILS -for- 19285 & 19286

IMPORTANT

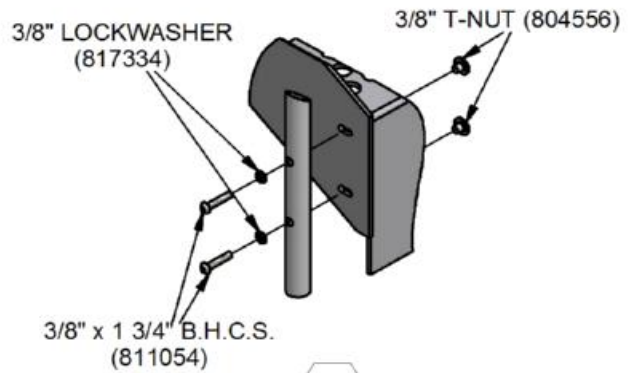
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



280



634

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ISSUED/REVISED: 12/1/16

**19287
RIVER
ROCK
CLIMBER**

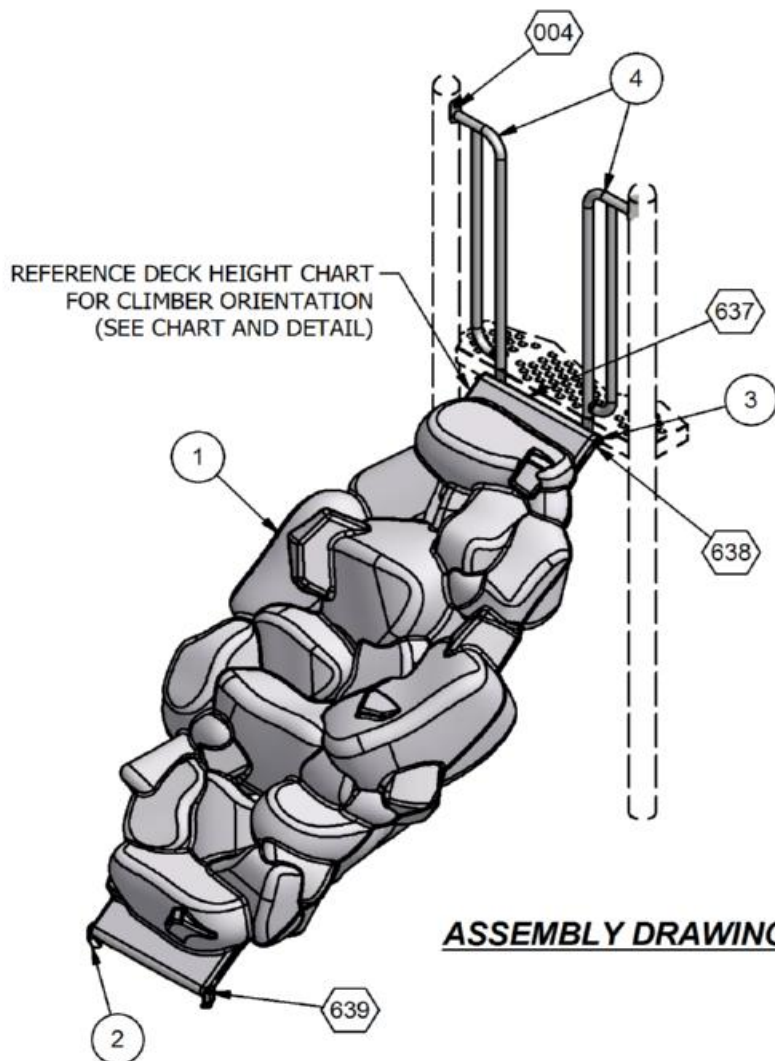
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



3'-6" - 5'-0"
DECK HEIGHTS



5'-6" & 6'-0"
DECK HEIGHTS

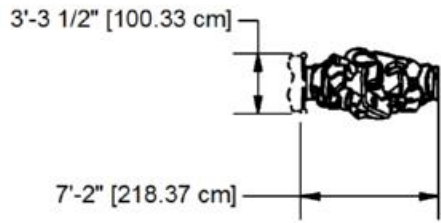


ASSEMBLY DRAWING

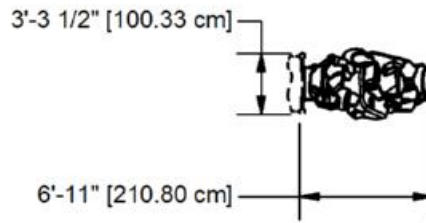
**INSTALLATION
INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. 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.

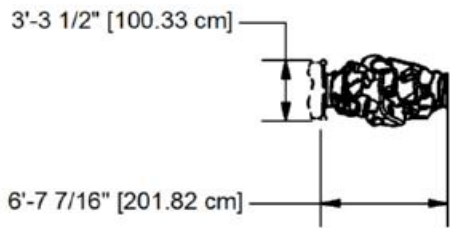
DECK HEIGHT CHART	
DECK HEIGHT	CLIMBER ORIENTATION
3'-6"	BOTTOM B
4'-0"	BOTTOM B
4'-6"	BOTTOM B
5'-0"	BOTTOM A
5'-6"	BOTTOM A
6'-0"	BOTTOM A



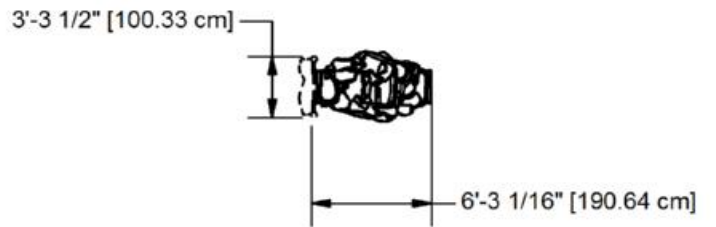
3'-6" DECK



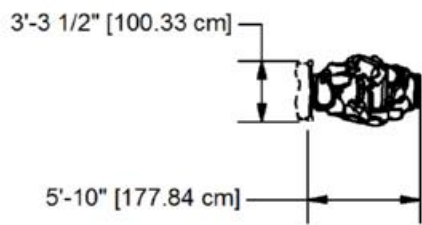
4' DECK



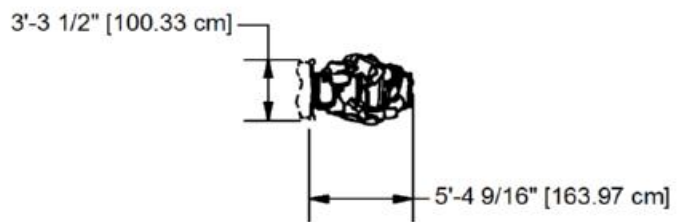
4'-6" DECK



5' DECK

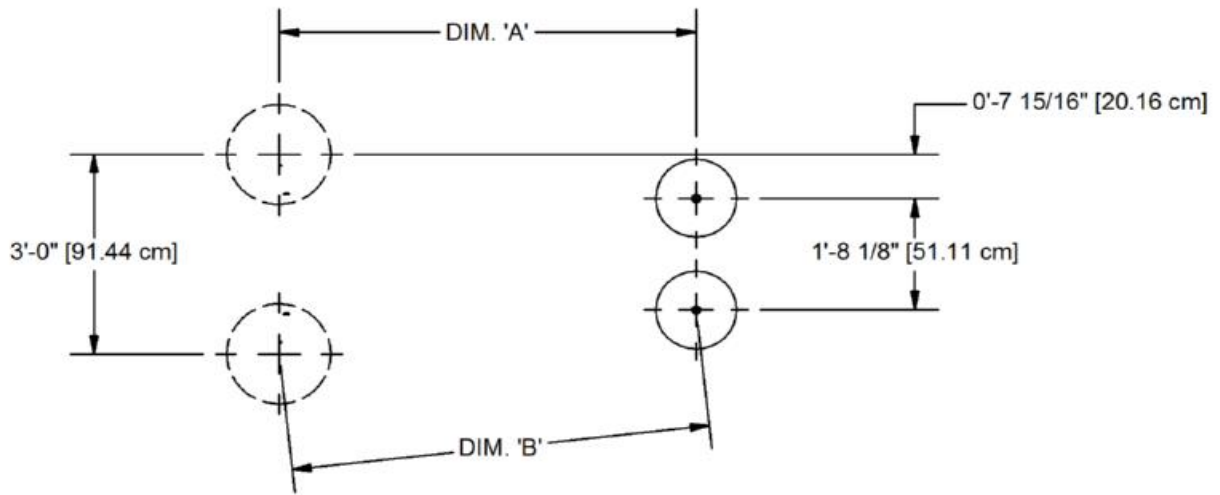


5'-6" DECK



6' DECK

TOP VIEWS



DECK HEIGHTS	DIMENSION 'A'	DIMENSION 'B'
3'-6"	6'-11 1/8" [211.39cm]	6'-11 1/2" [214.06cm]
4'-0"	6'-8 1/8" [203.73cm]	6'-8 1/2" [207.50cm]
4'-6"	6'-4 1/2" [194.56cm]	6'-4 15/16" [197.51cm]
5'-0"	6'-0 3/16" [183.87cm]	6'-0 5/8" [187.48cm]
5'-6"	5'-7 1/16" [170.63cm]	5'-7 9/16" [173.93cm]
6'-0"	5'-0 15/16" [155.00cm]	5'-1 7/16" [159.32cm]

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

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RIVER ROCK CLIMBER	1	203627
2	SMASHED FOOTBUCK	2	160410
3	MOUNTING BRACKET WELD ASS'Y	1	203010
4	D-RING WELD ASS'Y	2	202623
	HARDWARE COMPLETE	1	204815
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	6	811051*
	3/8" FLAT WASHER	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCKWASHER	8	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.

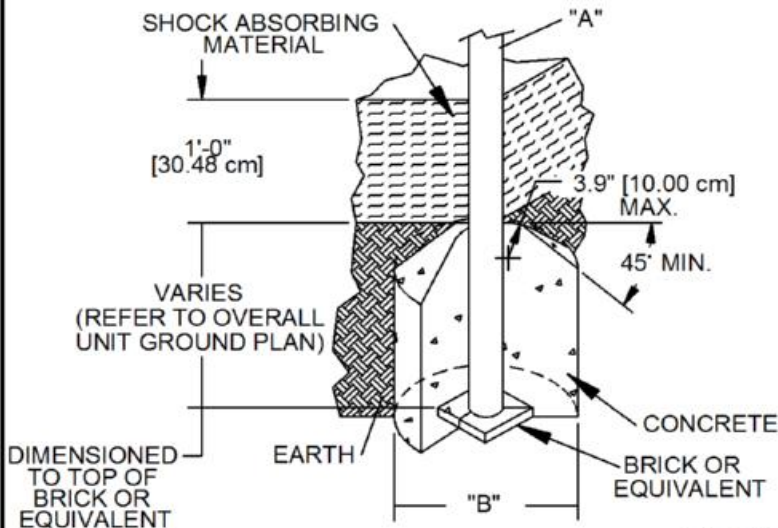
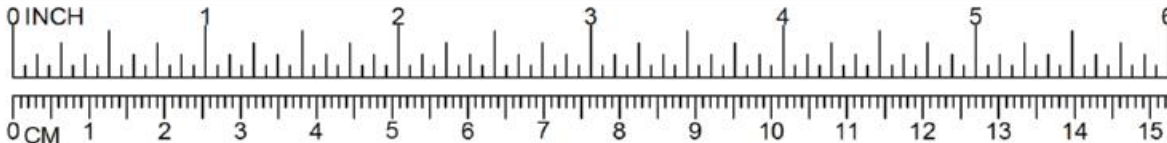
DETAILS -for- 19287

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.



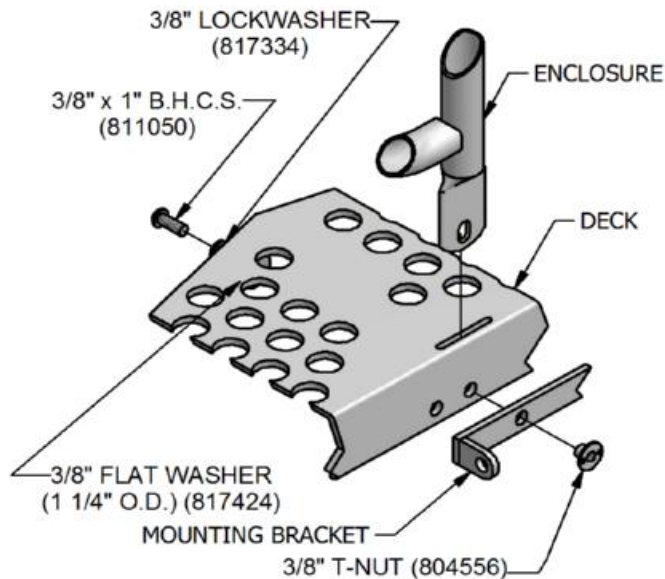
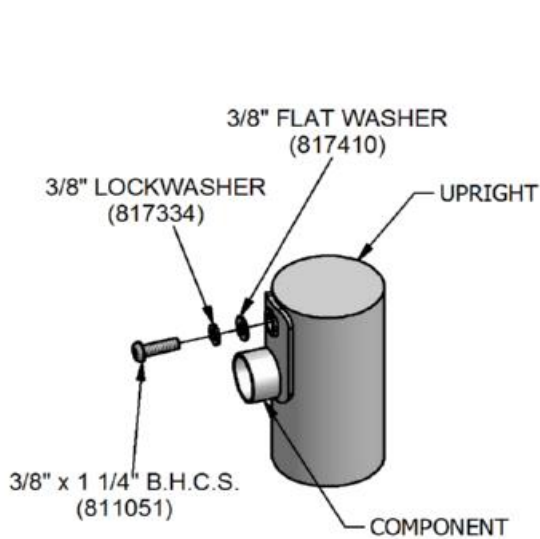
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



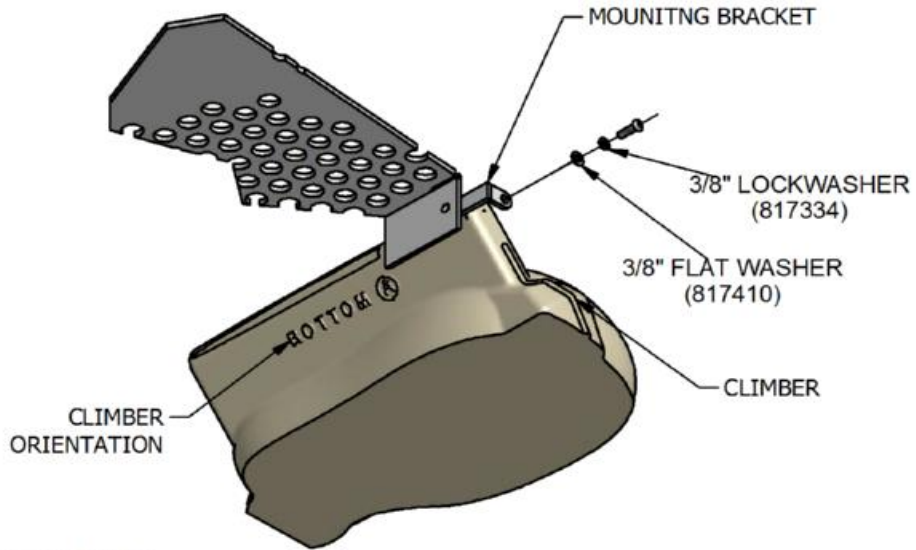
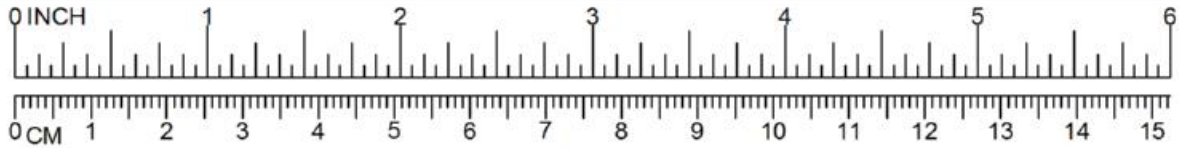
DETAILS -for- 19287

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.

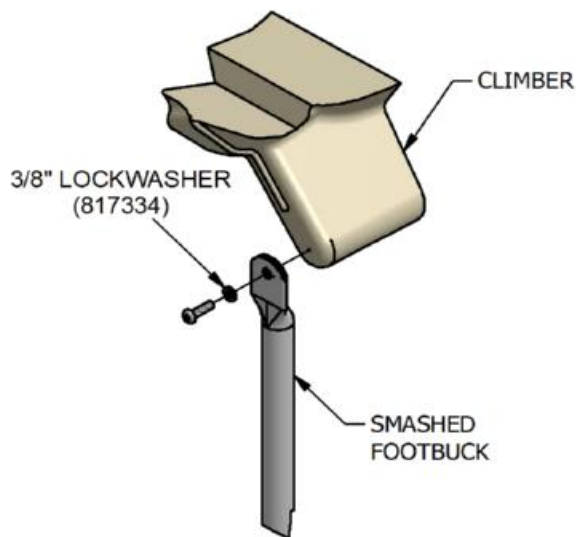
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



NOTE:
IN ALL DECK HEIGHTS CLIMBER
ORIENTATION INDICATOR FACES
GROUND. REFERENCE DECK
HEIGHT CHART

638



639

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1-800-235-2440

ISSUED/REVISED: 4/15/19

19290 KICKPLATE w/ RUNG

-  = INSTALLATION
-  = PARTS LIST REFERENCE

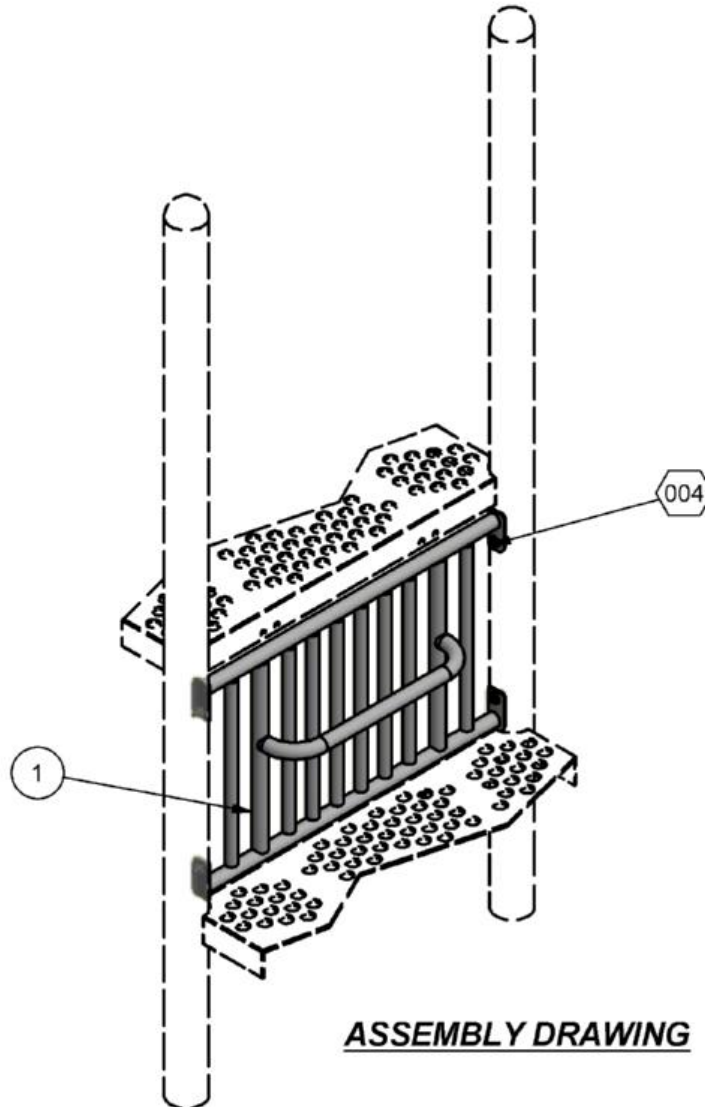
1'-6"	19290
2'-0"	19291
2'-6"	19292
3'-0"	19293



UP TO 5'-0"
DECK HEIGHTS



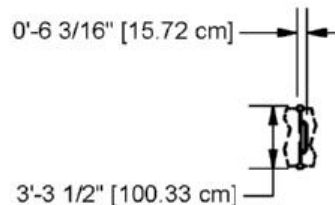
ALL
DECK HEIGHTS



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. 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

Parts List						
REF.	DESCRIPTION	19290	19291	19292	19293	PART NUMBER
1	STEP KICK PLATE WELD ASS'Y	1	0	0	0	205132
1	STEP KICK PLATE WELD ASS'Y	0	1	0	0	205135
1	STEP KICK PLATE WELD ASS'Y	0	0	1	0	205138
1	STEP KICK PLATE WELD ASS'Y	0	0	0	1	205141
	HARDWARE COMPLETE	1	1	1	1	216853
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	811051*
	3/8" LOCK WASHER	4	4	4	4	817334*
	3/8" FLAT WASHER	4	4	4	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: 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- 19290 THRU 19293

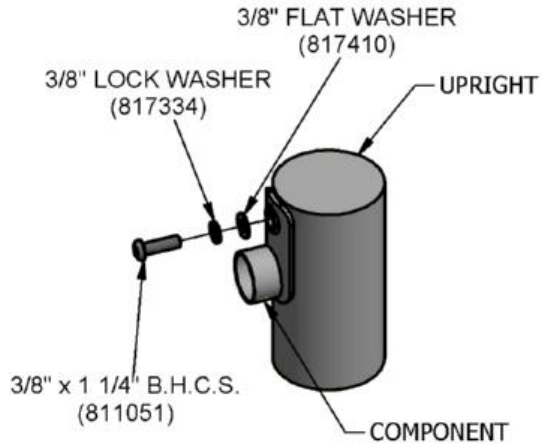
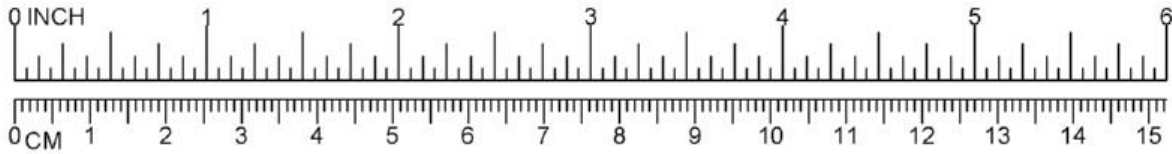
IMPORTANT

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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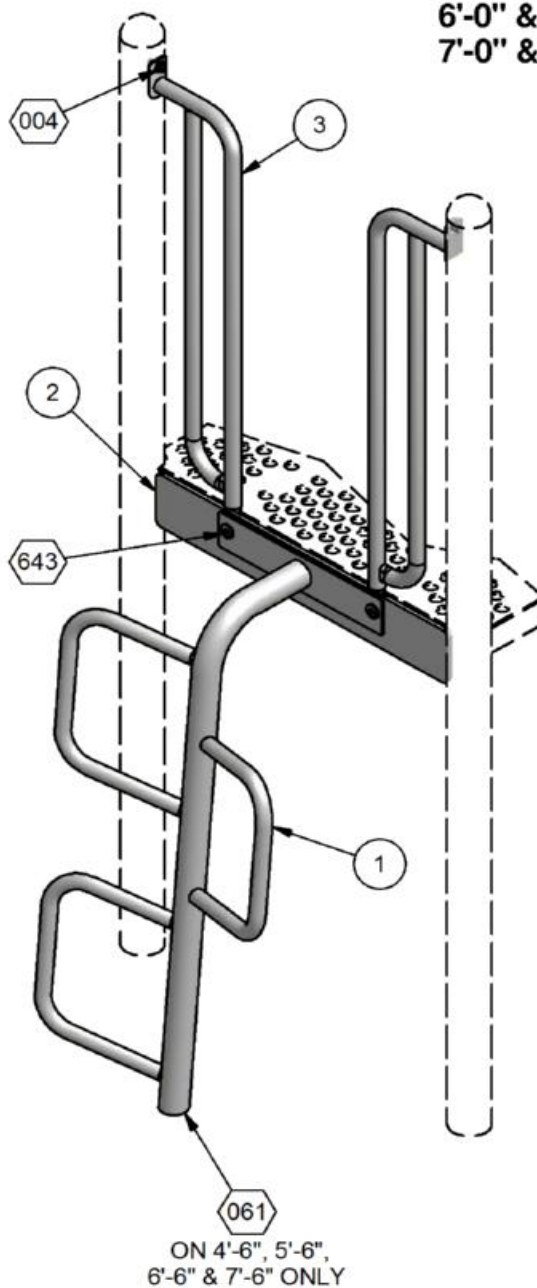
1-800-235-2440

ISSUED/REVISED: 11/30/16

19309 STEGO CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

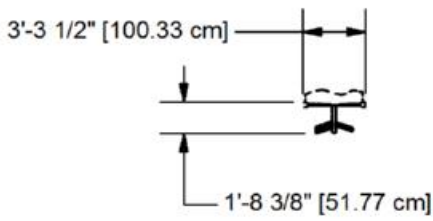
4'-0" & 4'-6"	19309
5'-0" & 5'-6"	19310
6'-0" & 6'-6"	19311
7'-0" & 7'-6"	19312
8'-0"	19313



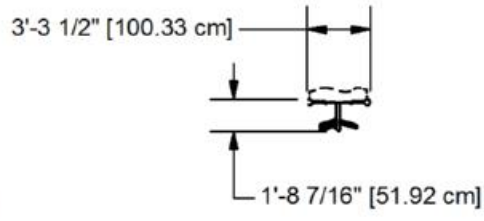
INSTALLATION INSTRUCTIONS

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

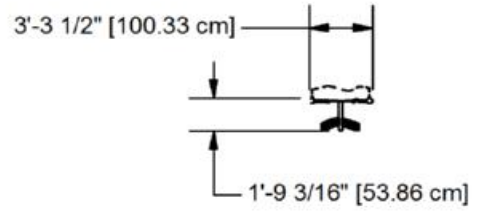
ASSEMBLY DRAWING



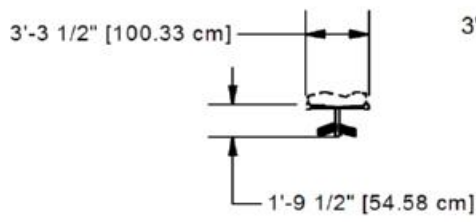
19309 4'-0"



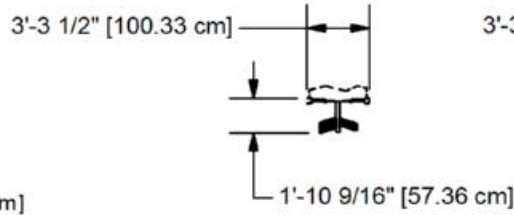
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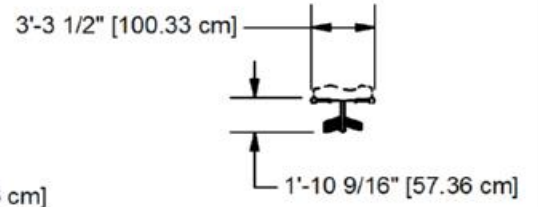
19310 5'-0"



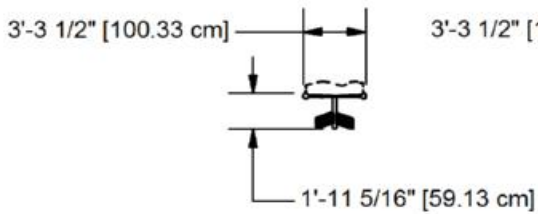
19310 5'-6"



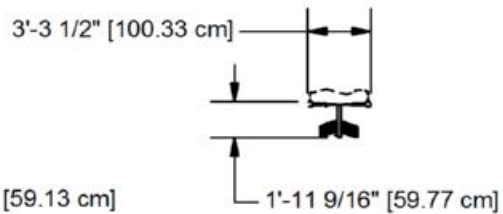
19311 6'-0"



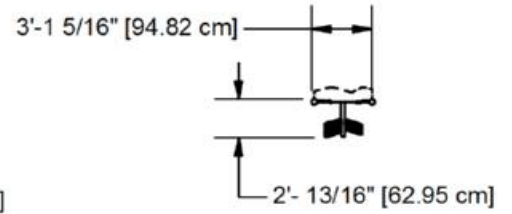
19311 6'-6"



19312 7'-0"

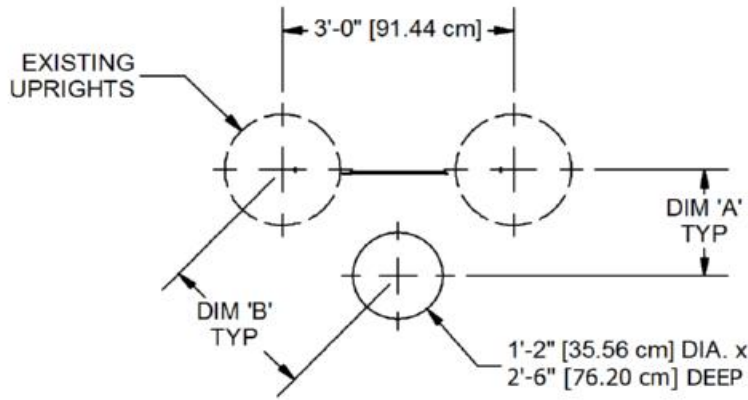


19312 7'-6"



19313

TOP VIEWS



PART	DECK HEIGHT	DIM. 'A'	DIM. 'B'
19309	4'-0" & 4'-6"	1'-5 1/4" [43.74 cm]	2'-15/16" [63.27cm]
19310	5'-0" & 5'-6"	1'-6 1/4" [46.41 cm]	2'-1 5/8" [65.14 cm]
19311	6'-0" & 6'-6"	1'-7 1/4" [48.94 cm]	2'-2 3/8" [66.98cm]
19312	7'-0" & 7'-6"	1'-8 5/16" [51.59 cm]	2'-3 1/8" [68.96cm]
19313	8'-0"	1'-9 7/16" [54.42 cm]	2'-4" [71.08 cm]

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

GROUND PLAN

REF.	DESCRIPTION	19309	19310	19311	19312	19313	PART NUMBER
1	4' STEGO CLIMBER WELD ASS'Y	1	0	0	0	0	204966
1	5' STEGO CLIMBER WELD ASS'Y	0	1	0	0	0	204971
1	6' STEGO CLIMBER WELD ASS'Y	0	0	1	0	0	204974
1	7' STEGO CLIMBER WELD ASS'Y	0	0	0	1	0	204977
1	8' STEGO CLIMBER WELD ASS'Y	0	0	0	0	1	204980
2	COATED MOUNTING PLATE	1	1	1	1	1	159570
3	D-RING WELD ASS'Y	2	2	2	2	2	202623
	HARDWARE COMPLETE	1	1	1	1	1	208381
	3/8" x 3 1/2" HEX HEAD BOLT	1	1	1	1	1	801013*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	4	811051*
	3/8" LOCKWASHER	5	5	5	5	5	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	817424*
	3/8" HEX NUT	1	1	1	1	1	804053*
	3/8" T-NUT	2	2	2	2	2	804556*
	6" EXTENSION	1	1	1	1	1	151080*
	3/8" FLAT WASHER	2	2	2	2	2	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. PAGE 3
Note: Loctite (supplied by others) should be used on any non-patch hardware.

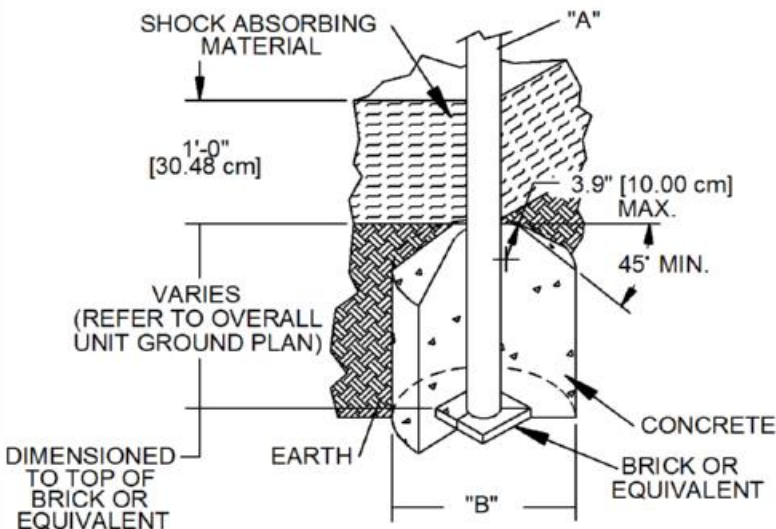
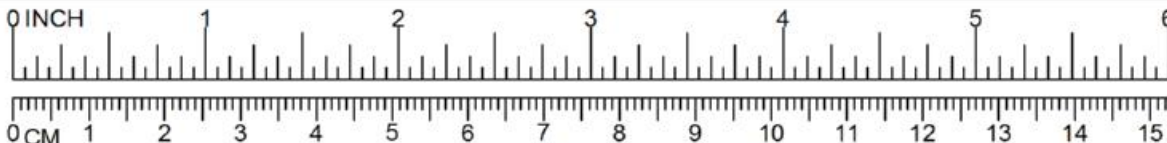
DETAILS -for- 19309, 19310, 19311, 19312 AND 19313

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.



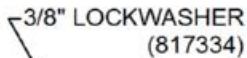
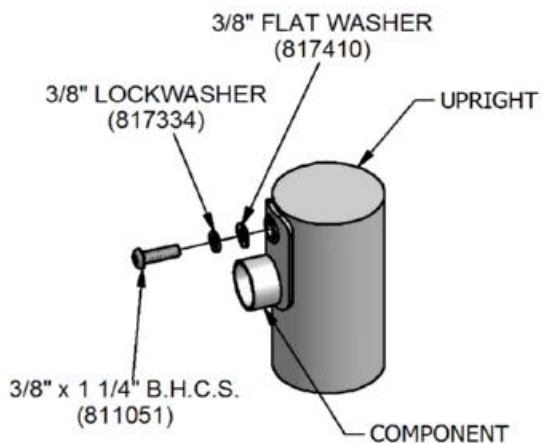
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

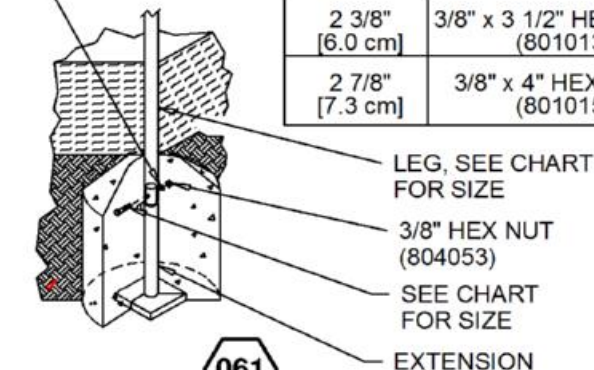
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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.



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)



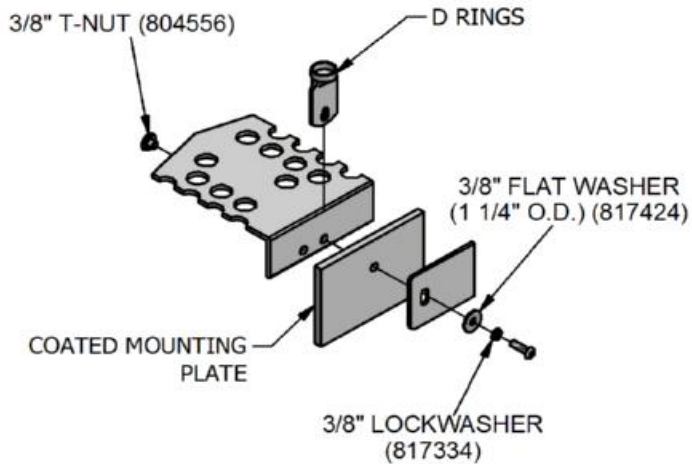
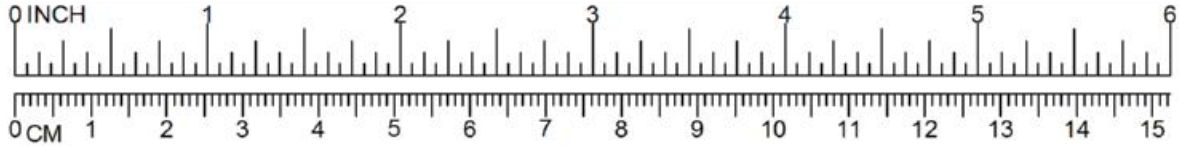
DETAILS -for- 19309, 19310, 19311, 19312, AND 19313

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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ISSUED/REVISED: 12/15/16

19314 SPIRAL CLIMBER

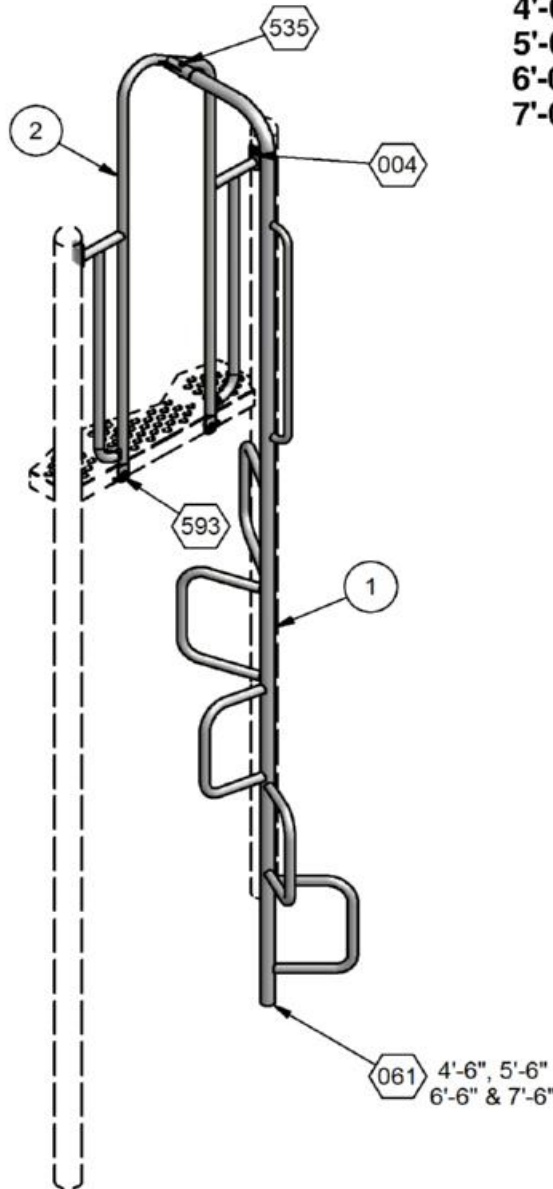
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

4'-0" & 4'-6"	19314
5'-0" & 5'-6"	19315
6'-0" & 6'-6"	19316
7'-0" & 7'-6"	19317
8'-0"	19318

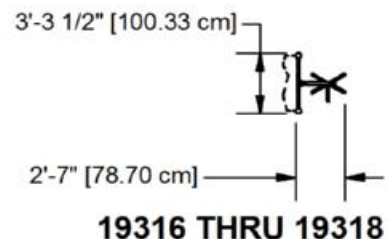
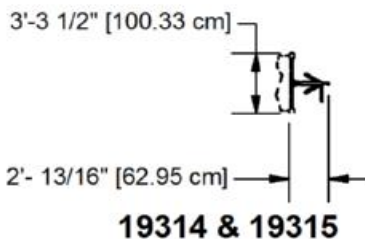


INSTALLATION INSTRUCTIONS

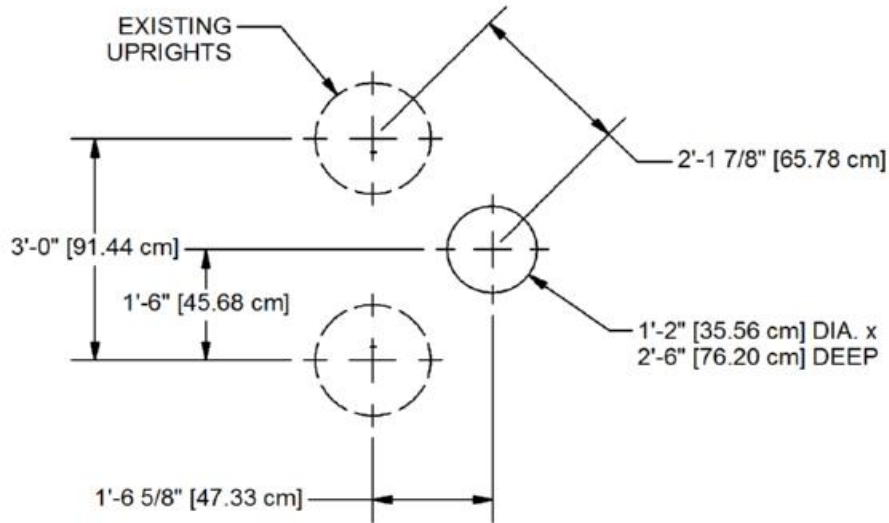
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite (supplied by others) should be used on any non-patch hardware.



**ASSEMBLY DRAWING
19317 SHOWN**



TOP VIEWS



CONCRETE REQUIRED
.06 CUBIC YARDS
[.05 CUBIC METERS]

GROUND PLANS

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

Parts List							
REF.	DESCRIPTION	19314	19315	19316	19317	19318	PART NUMBER
1	SPIRAL CLIMBER WELD ASS'Y (4'-0" & 4'-6")	1	0	0	0	0	205041
1	SPIRAL CLIMBER WELD ASS'Y (5'-0" & 5'-6")	0	1	0	0	0	205044
1	SPIRAL CLIMBER WELD ASS'Y (6'-0" & 6'-6")	0	0	1	0	0	205046
1	SPIRAL CLIMBER WELD ASS'Y (7'-0" & 7'-6")	0	0	0	1	0	205049
1	SPIRAL CLIMBER WELD ASS'Y (8'-0")	0	0	0	0	1	205052
2	ARCHWAY WELD ASS'Y	1	1	1	1	1	202627
	HARDWARE COMPLETE	1	1	1	1	0	205196
	HARDWARE COMPLETE	0	0	0	0	1	205197
	3/8" x 3/4" B.H.C.S.	2	2	2	2	2	811052*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	2	811051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	1	812053*
	3/8" x 3" HEX HEAD BOLT	1	1	1	1	0	801011*
	3/8" FLAT WASHER	3	3	3	3	3	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	817424*
	3/8" LOCKWASHER	5	5	5	5	4	817334*
	3/8" BARREL NUT	1	1	1	1	1	804804*
	3/8" HEX NUT	1	1	1	1	0	804053*
	3/8" T-NUT	2	2	2	2	2	804556*
	EXTENSION LEG	1	1	1	1	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.**

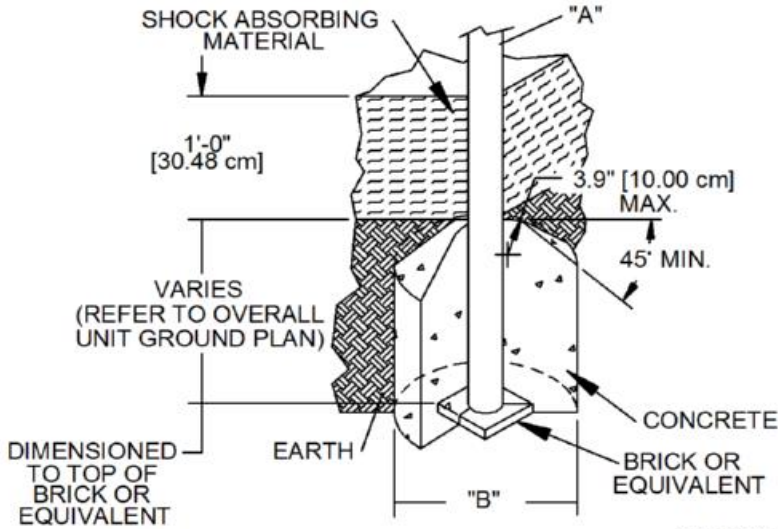
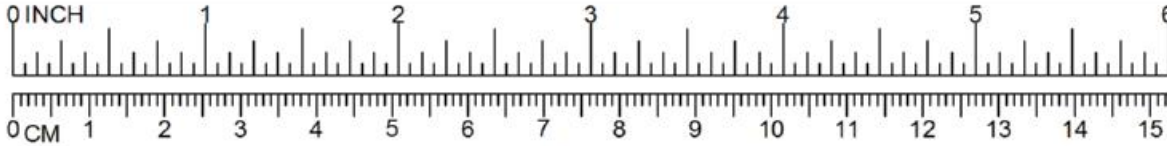
DETAILS -for- 19314, 19315, 19316, 19317, & 19318

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.



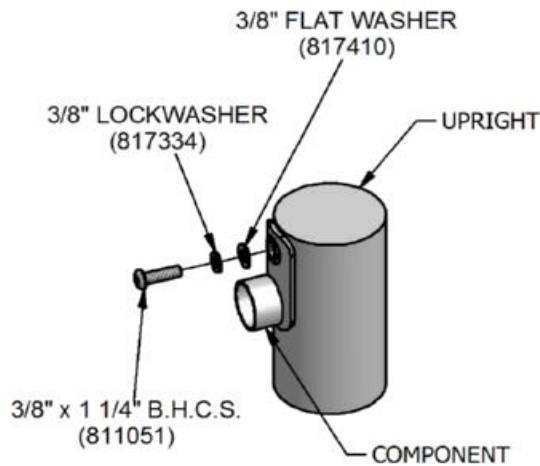
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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

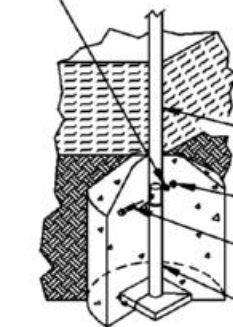
005

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.



004

3/8" LOCKWASHER (817334)



061

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)

LEG, SEE CHART FOR SIZE
3/8" HEX NUT (804053)
SEE CHART FOR SIZE
EXTENSION

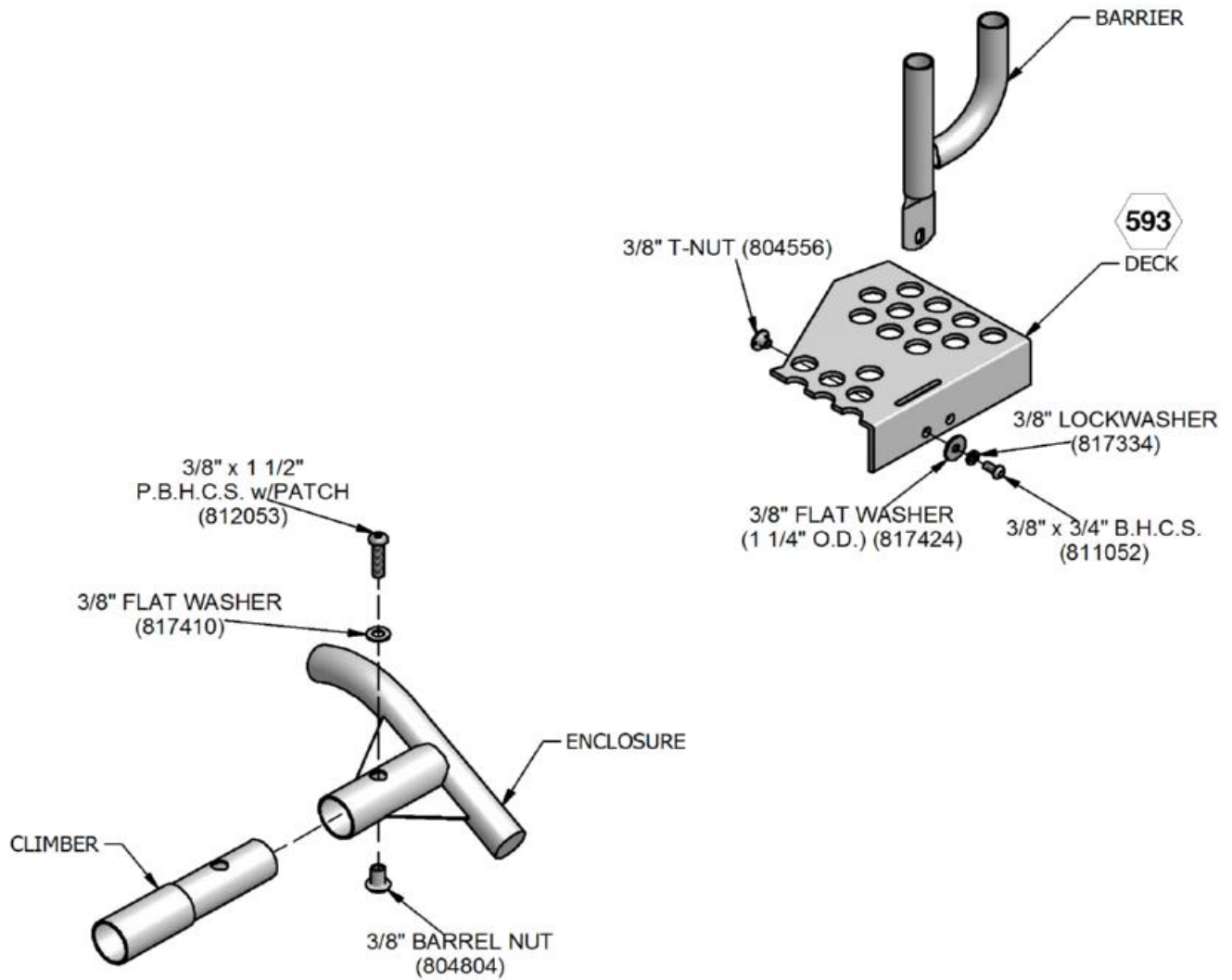
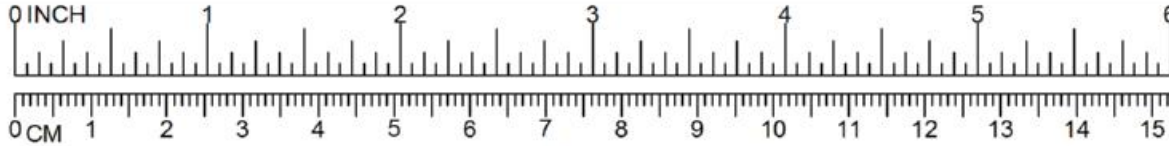
DETAILS -for- 19314, 19315, 19316, 19317, & 19318

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.



535

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ISSUED/REVISED: 09/19/16

19319
ERGO
LINK

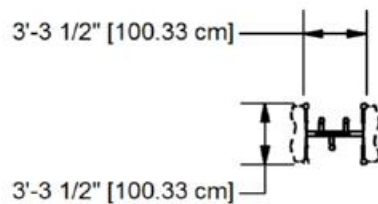
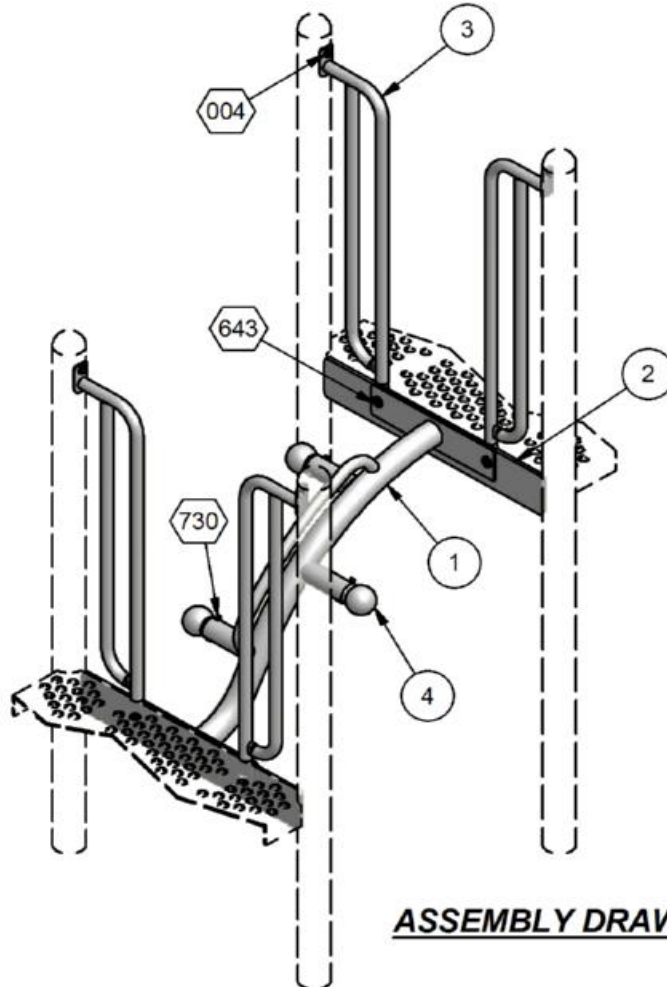
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE

2' RISE 19319
3' RISE 19320
4' RISE 19321

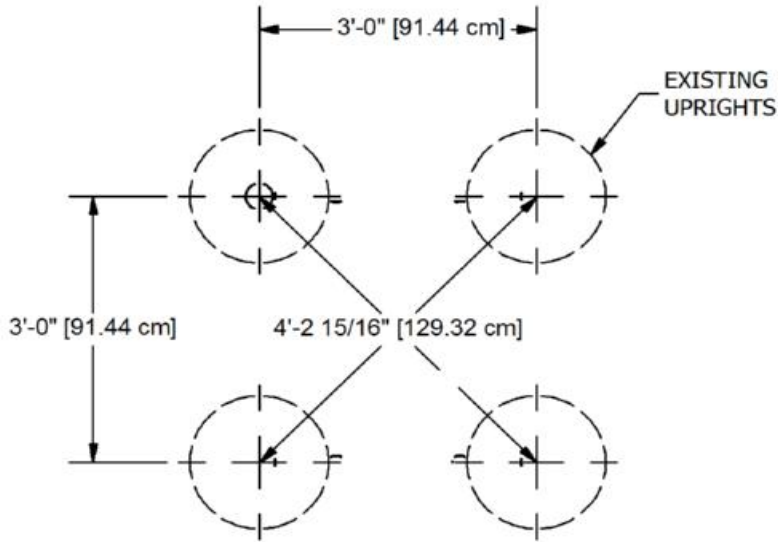


INSTALLATION INSTRUCTIONS

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 applied to all threaded hardware.



TOP VIEW



Parts List					
REF.	DESCRIPTION	19319	19320	19321	PART NUMBER
1	2' CENTER RAIL WELD ASS'Y	1	0	0	205214
1	3' CENTER RAIL WELD ASS'Y	0	1	0	205218
1	4' CENTER RAIL WELD ASS'Y	0	0	1	205222
2	COATED MOUNTING PLATE	2	2	2	159570
3	D-RING WELD ASS'Y	4	4	4	202623
4	PEG CAP	3	4	5	204946
	HARDWARE COMPLETE	1	0	0	205234
	HARDWARE COMPLETE	0	1	0	205235
	HARDWARE COMPLETE	0	0	1	205236
	5/16" x 2" P.B.H.C.S. w/PATCH	3	4	5	812046*
	5/16" T-NUT	3	4	5	804555*
	3/8" x 1 1/4" B.H.C.S.	8	8	8	811051*
	3/8" LOCKWASHER	8	8	8	817334*
	3/8" T-NUT	4	4	4	804556*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	817424*
	3/8" FLAT WASHER	4	4	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: 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.

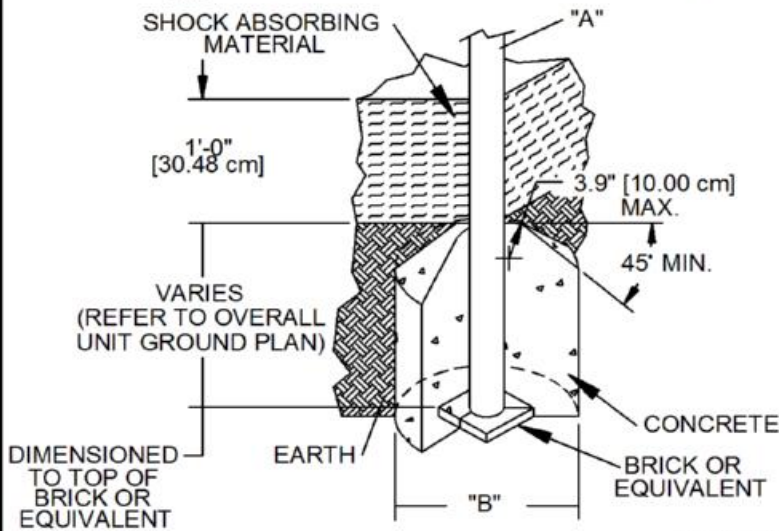
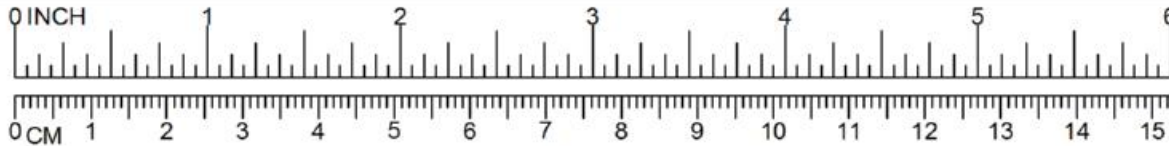
DETAILS -for- 19319, 19320 AND 19321

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.



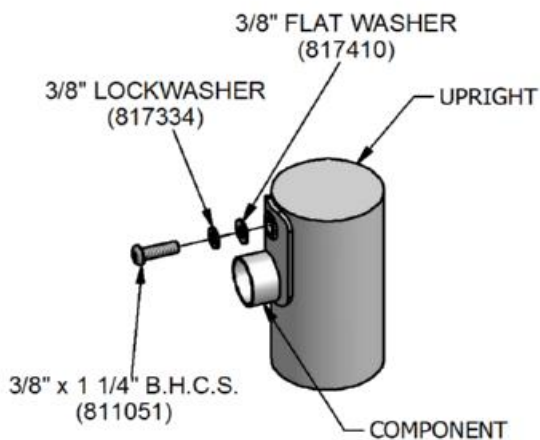
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

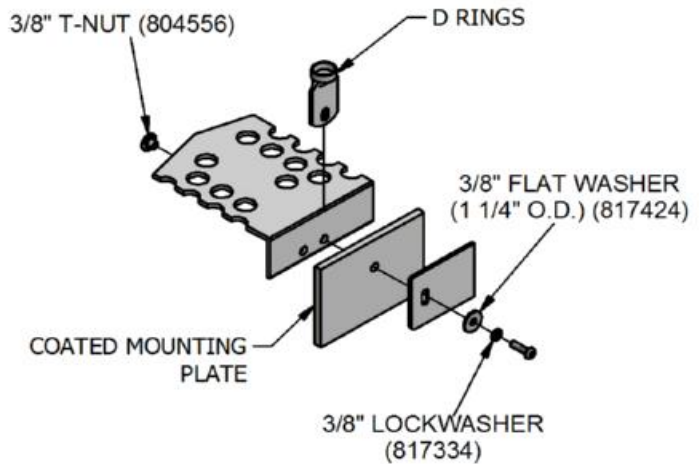
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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.



004



643

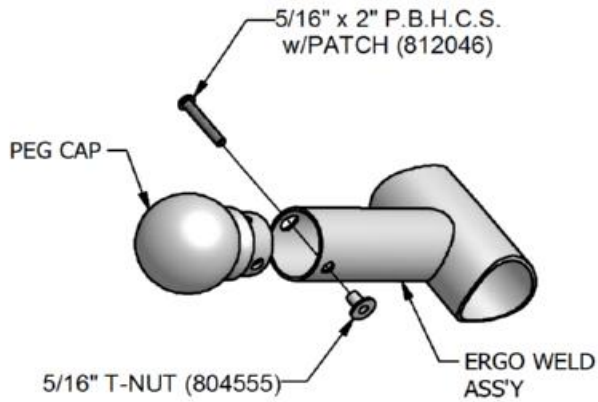
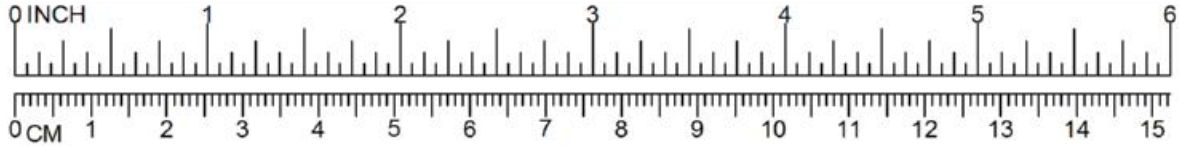
DETAILS -for- 19319, 19320, AND 19321

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.



730

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ISSUED/REVISED: 6/19/18

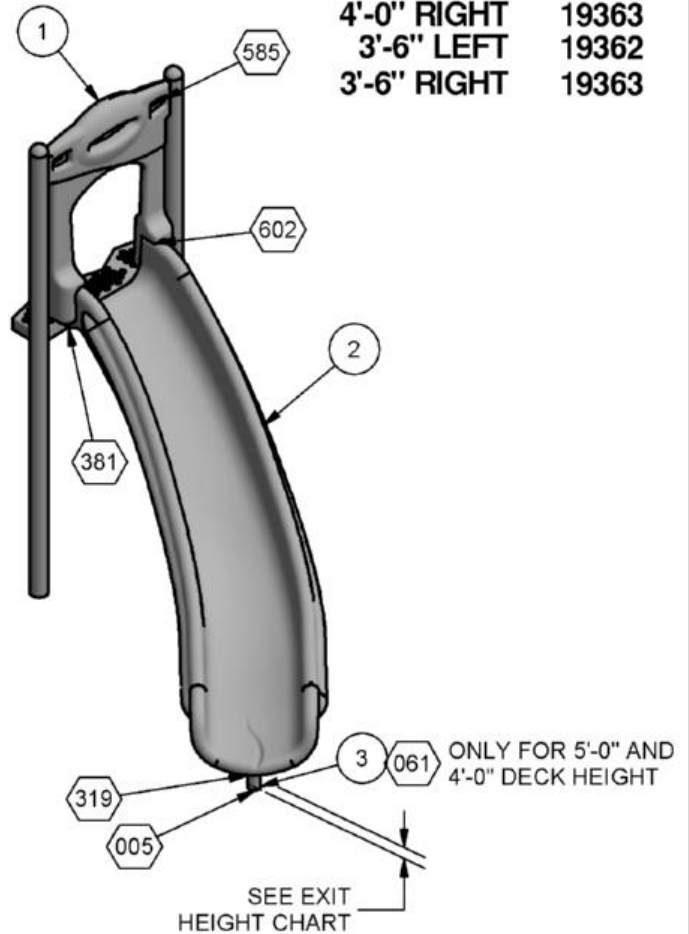
**19322
SWERVE ZIP SLIDE
(SINGLE)**

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



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

5'-0" RIGHT	19322
4'-6" RIGHT	19322
4'-0" LEFT	19362
4'-0" RIGHT	19363
3'-6" LEFT	19362
3'-6" RIGHT	19363



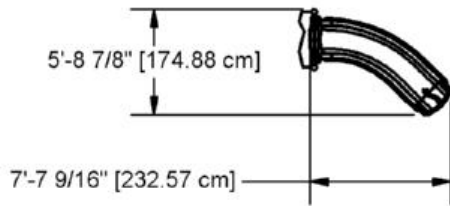
INSTALLATION INSTRUCTIONS

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.

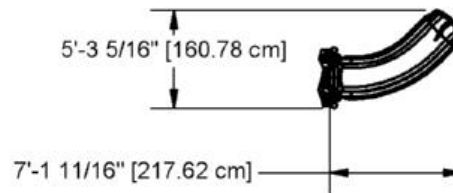
EXIT HEIGHT CHART -for- 5'-0" & 4'-6"	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	7" TO 15"
CSA	175 mm TO 380mm
EN	350 mm OR LESS

EXIT HEIGHT CHART -for- 3'-6" & 4'-0"	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

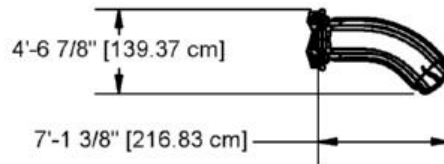
ASSEMBLY DRAWING



19322



19362



19363

TOP VIEW

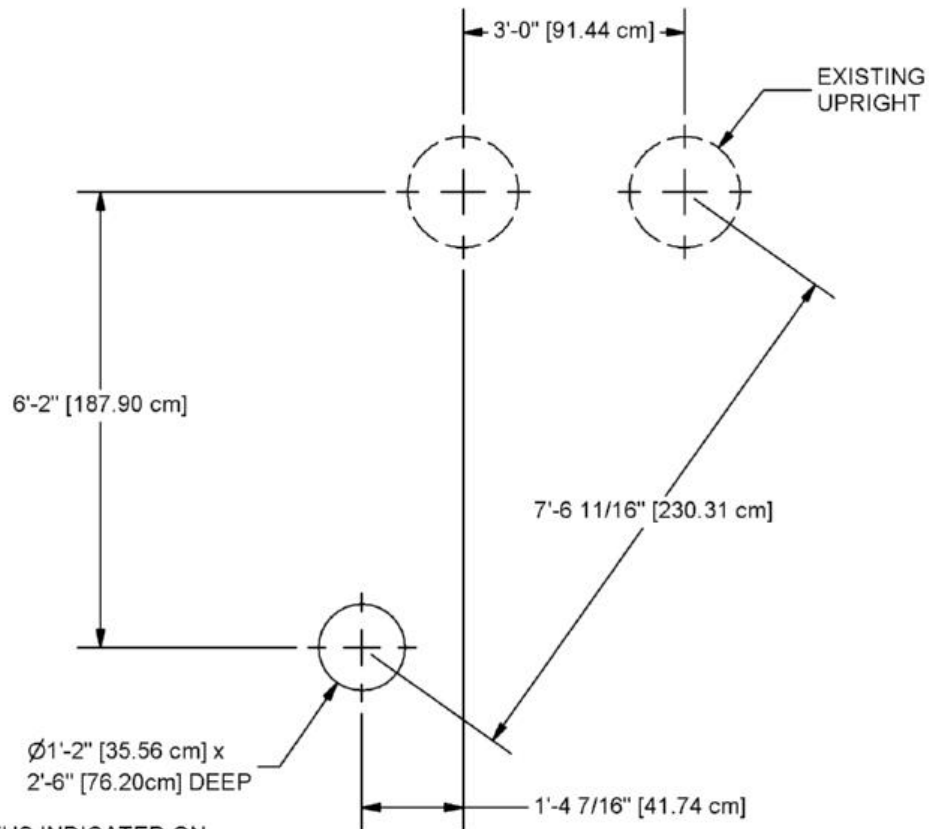
Parts List					
REF	DESCRIPTION	19322	19362	19363	PART NUMBER
1	ZIP SLIDE ENTRANCE	1	1	1	202636
2	SWERVE SLIDE	1	0	0	204590
2	SWERVE SLIDE	0	1	0	205958
2	SWERVE SLIDE	0	0	1	205959
3	FOOTBUCK WELD ASS'Y	1	0	0	204879
3	FOOTBUCK WELD ASS'Y	0	1	1	176385
	HARDWARE COMPLETE	1	1	1	205184
	3/8" x 3/4" B.H.C.S.	4	4	4	811052*
	3/8" x 1 3/4" B.H.C.S.	2	2	2	811054*
	3/8" x 2 1/4" B.H.C.S.	2	2	2	811056*
	3/8" x 2 1/2" B.H.C.S.	2	2	2	811057*
	3/8" LOCK WASHER	11	11	11	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	817424*
	3/8" FLAT WASHER	4	4	4	817410*
	3/8" HEX NUT	1	1	1	804053*
	3/8" x 3 1/2" HEX HEAD	1	1	1	801013*
	6" EXTENSION	1	1	1	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.

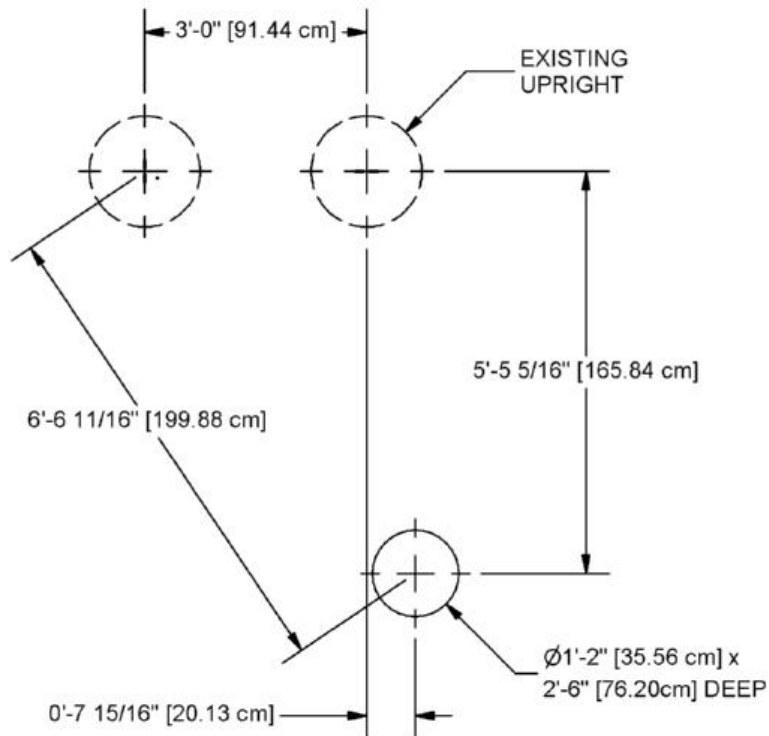
Note: Loctite (supplied by others) should be used on any non-patch hardware.



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

19322

CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

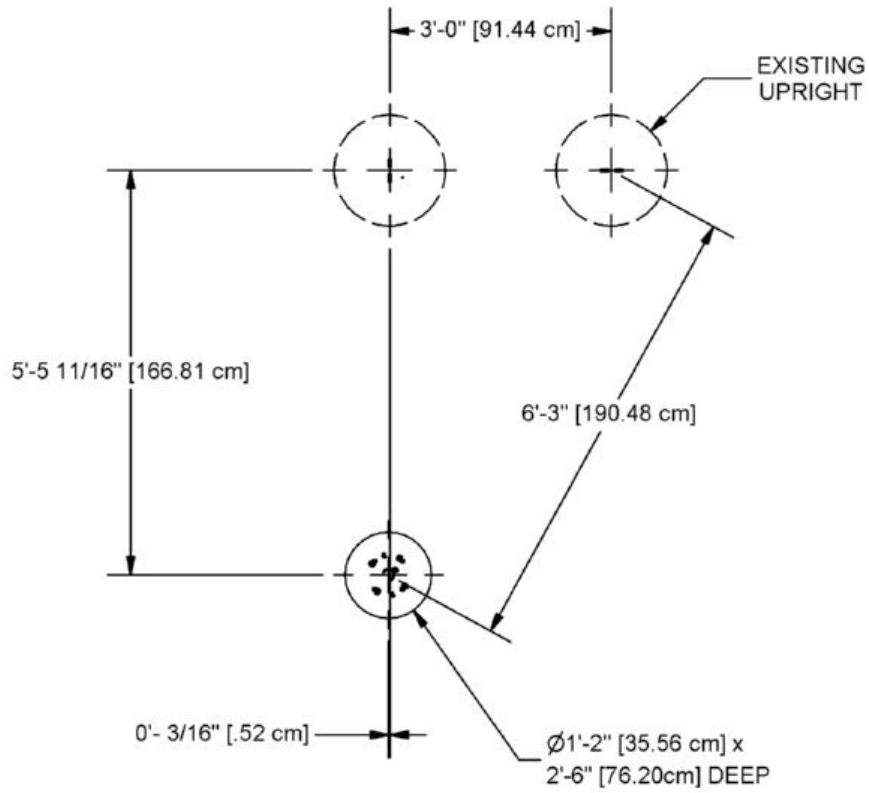


NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

19362

CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

GROUND PLANS



NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

19363
GROUND PLAN

CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

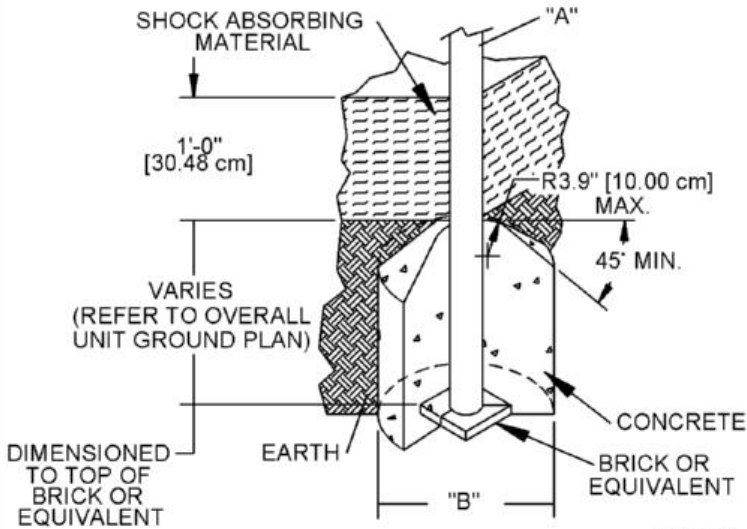
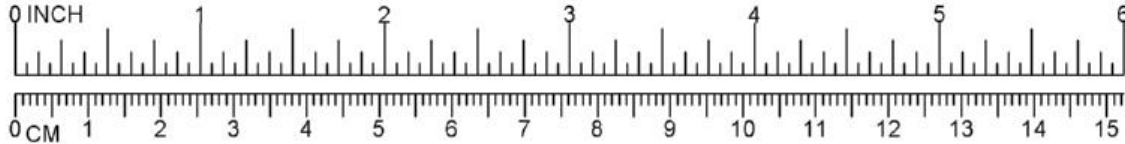
DETAILS -for- 19322

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]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

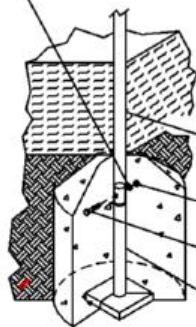
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



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)

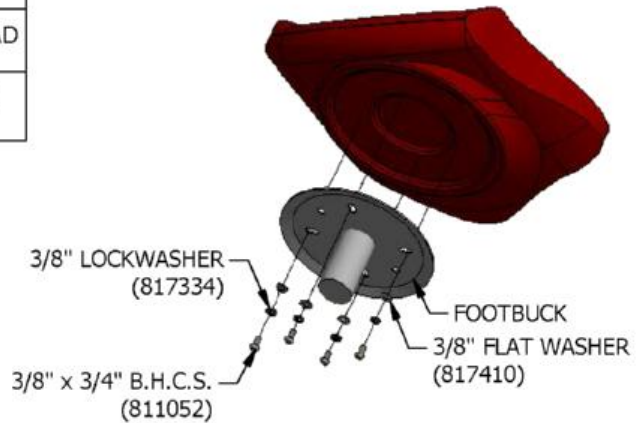
3/8" LOCKWASHER
(817334)



061

- LEG, SEE CHART FOR SIZE
- 3/8" HEX NUT (804053)
- SEE CHART FOR SIZE
- EXTENSION

SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



319

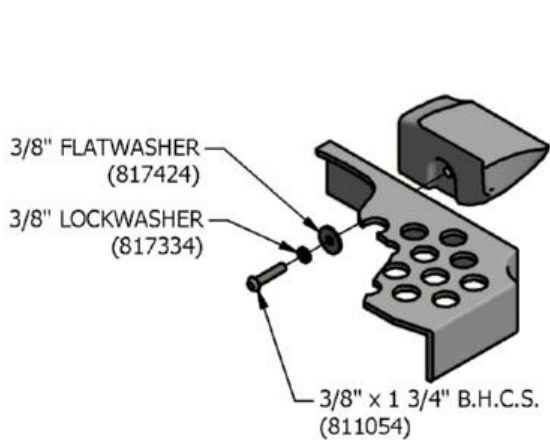
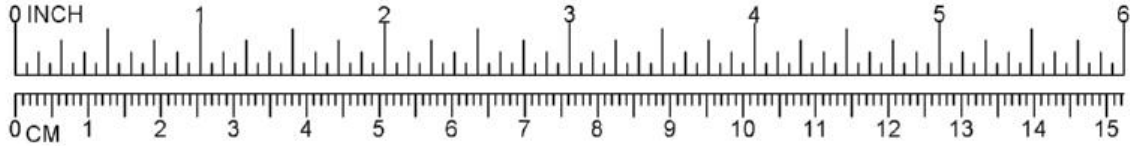
DETAILS -for- 19322

IMPORTANT

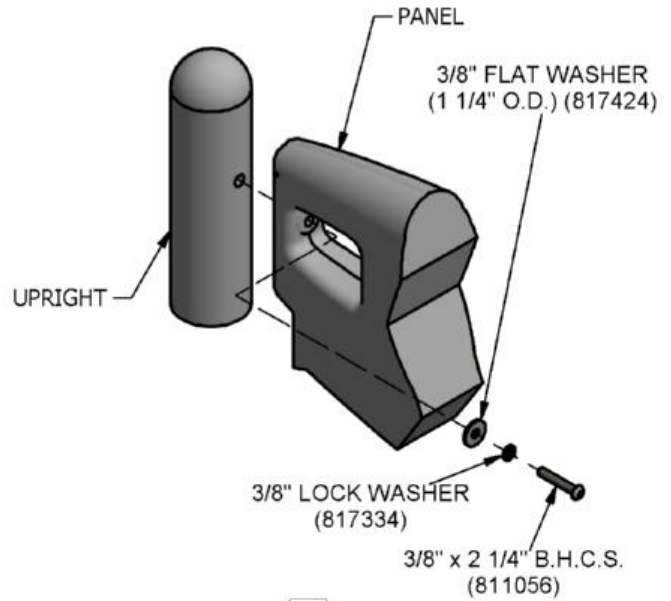
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

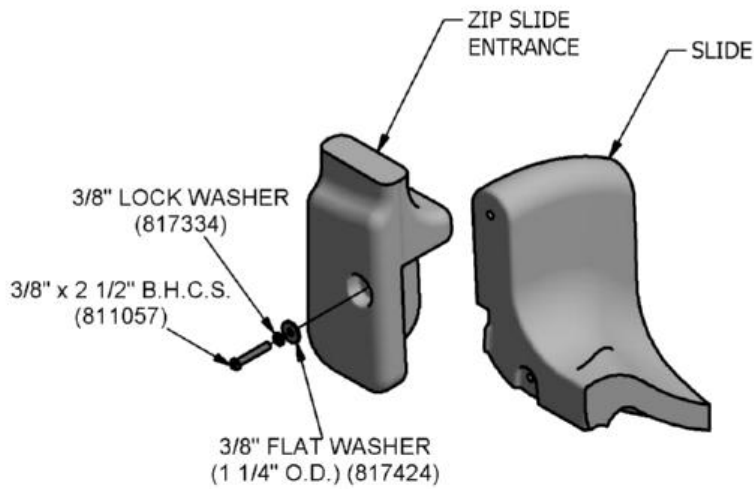
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



381



585



602

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19756

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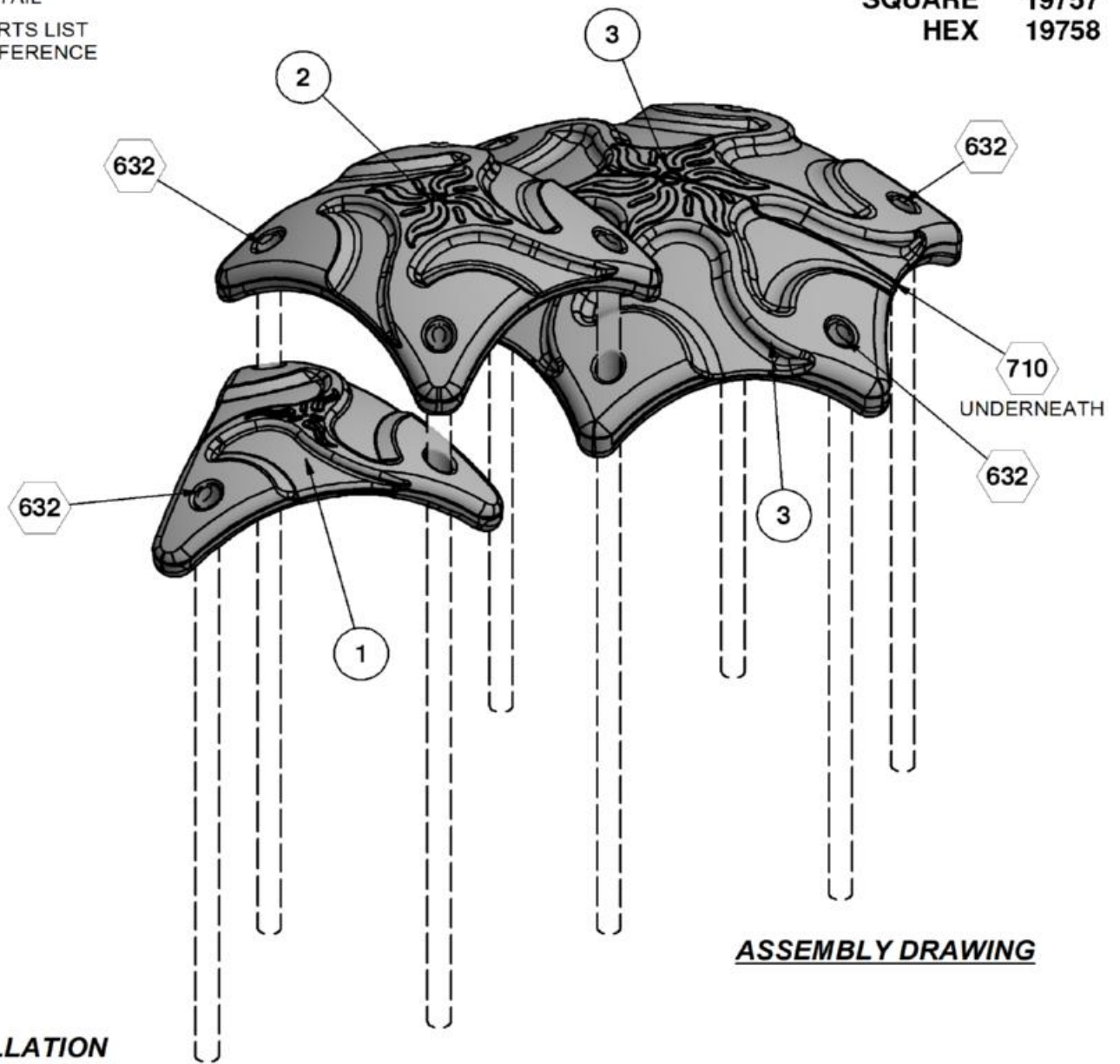
1-800-235-2440

ISSUED/REVISED: 2/15/2018

UMBRA ROOFS

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

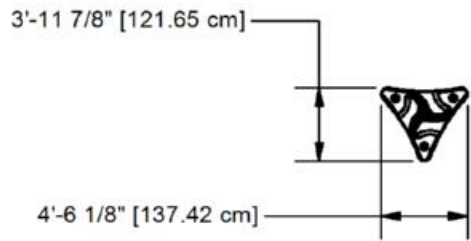
TRIANGLE	19756
SQUARE	19757
HEX	19758



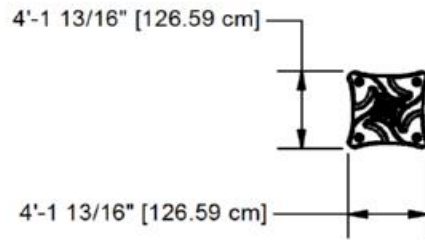
ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

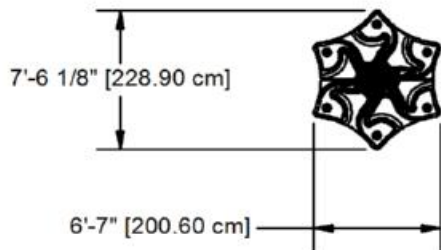
1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.



19756



19757



19758

TOP VIEWS

Parts List					
REF.	DESCRIPTION	19756	19757	19758	PART NUMBER
1	UMBRA TRIANGLE	1	0	0	212988
2	UMBRA SQUARE	0	1	0	212989
3	UMBRA HALF HEX	0	0	2	212990
	HARDWARE COMPLETE	1	0	0	213303
	HARDWARE COMPLETE	0	1	0	213304
	HARDWARE COMPLETE	0	0	1	213305
	3/8" x 2 3/4" P.B.C.H.S. w/PATCH	0	0	6	812058*
	3/8" x 4 1/2" P.B.H.C.S. w/PATCH	3	4	6	812077*
	3/8" FLAT WASHER	3	4	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	0	0	6	817424*
	3/8" LOCK WASHER	3	4	12	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.

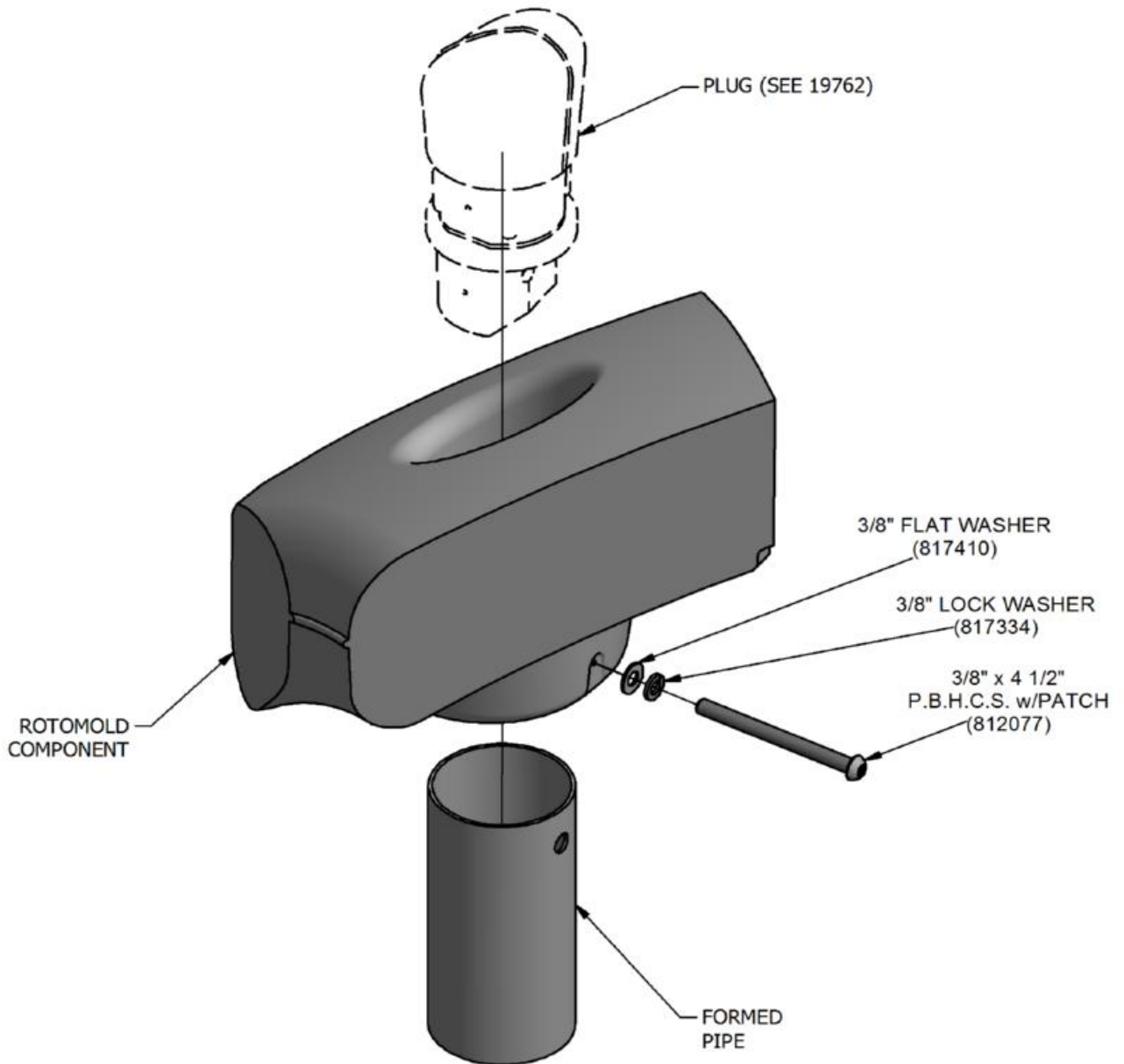
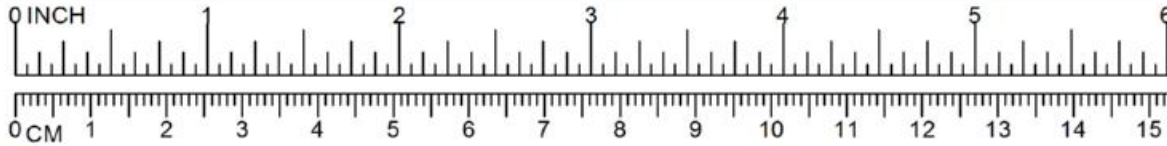
DETAILS -for- 19756, 19757 & 19758

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.



632

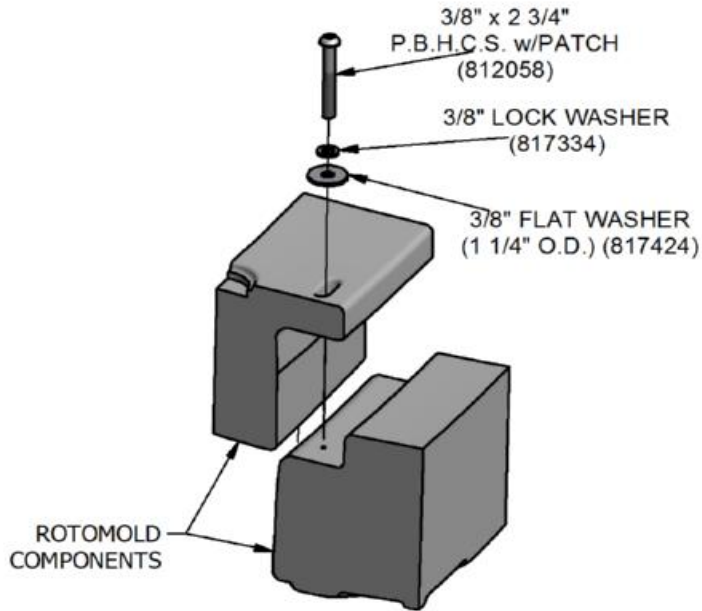
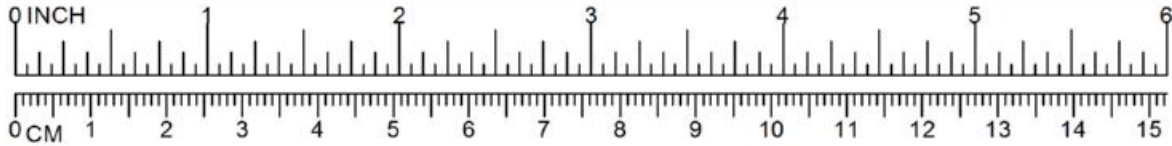
DETAILS -for- 19756, 19757 & 19758

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.



710

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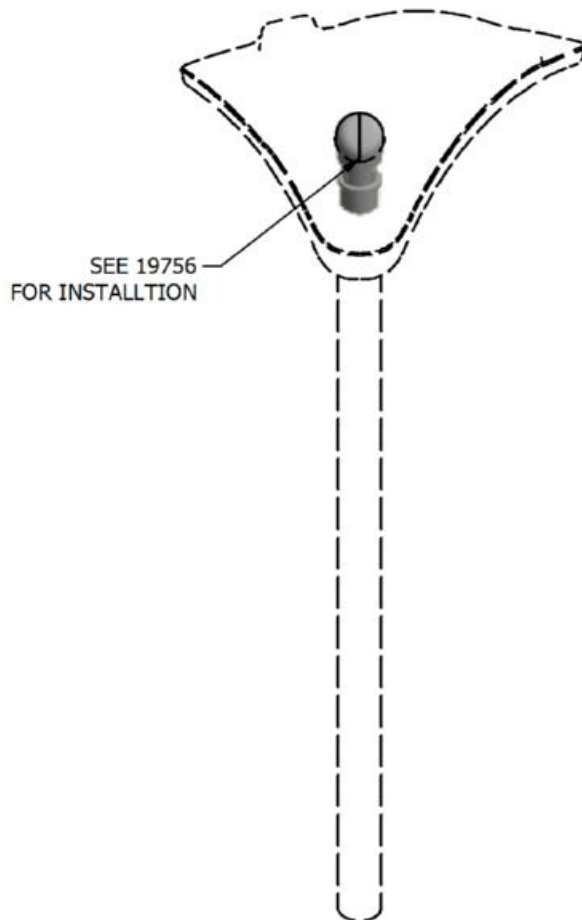
1-800-235-2440

ISSUED/REVISED: 9/27/2017

19762

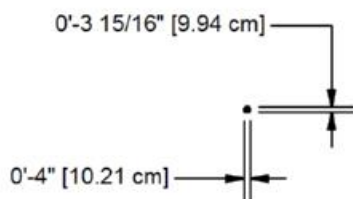
**UMBRA
PLUG**

- ⬡ = 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.



TOP VIEW

ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	UMBRA PLUG	1	212991

*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.**

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1-800-235-2440

ISSUED/REVISED: 10/9/2019

19791 DOUBLE ZIP SLIDE

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

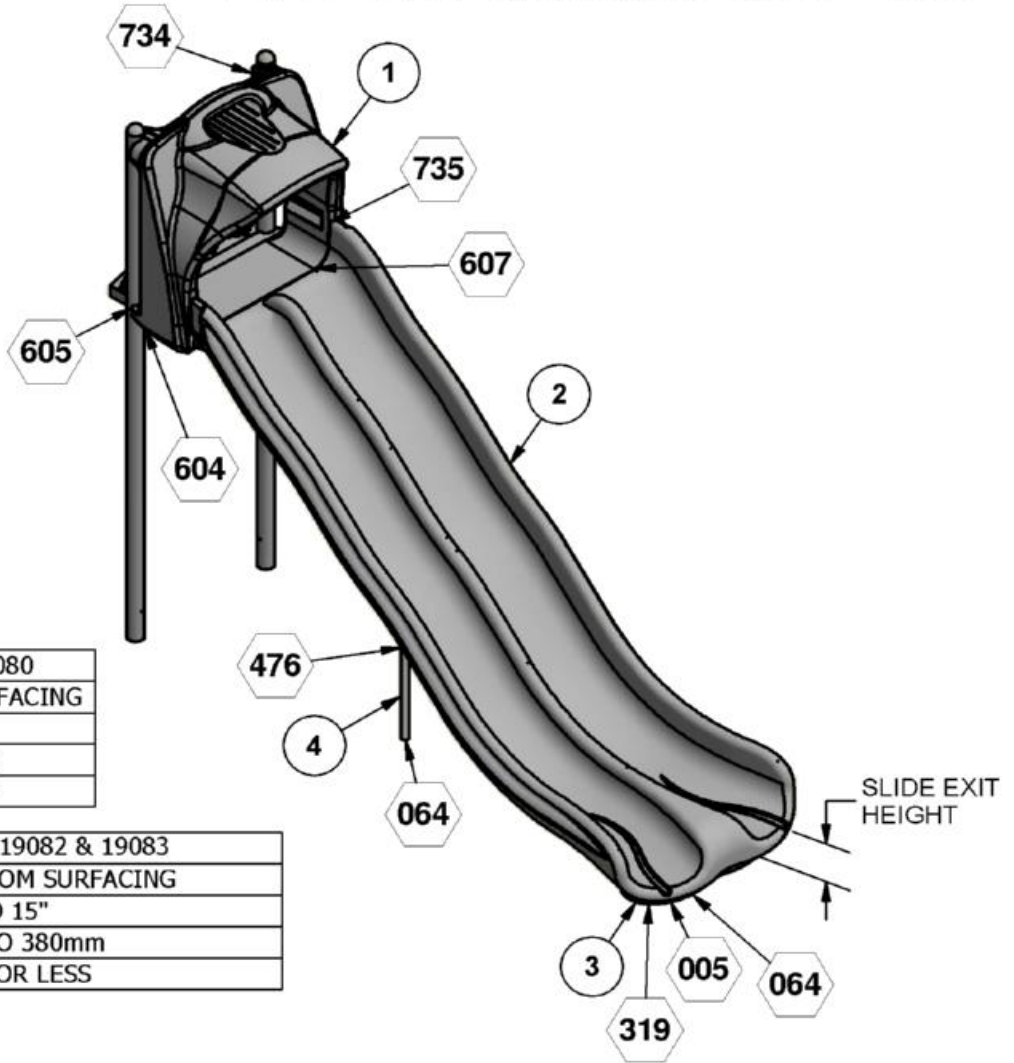
2'-6" / 3'-0" RUMBLE & ROLL ZIP SLIDE	19791
4'-0" DOUBLE ZIP SLIDE	19792
5'-0" DOUBLE ZIP SLIDE	19793
6'-0" DUELING WAVE ZIP SLIDE	19794
7'-0" / 7'-6" DOUBLE WAVE ZIP SLIDE	19795



19791
19792
19793



19794
19795



EXIT HEIGHT CHART -for- 19079 & 19080	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	11" OR LESS
CSA	275 mm OR LESS
EN	200mm OR LESS

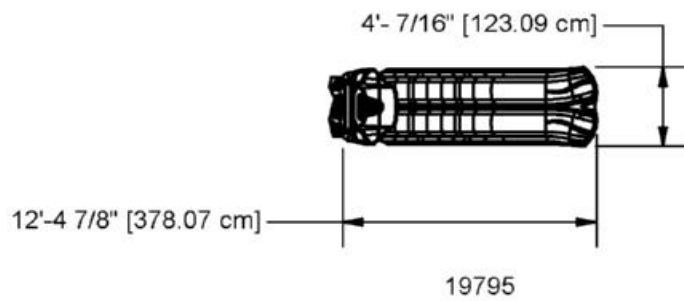
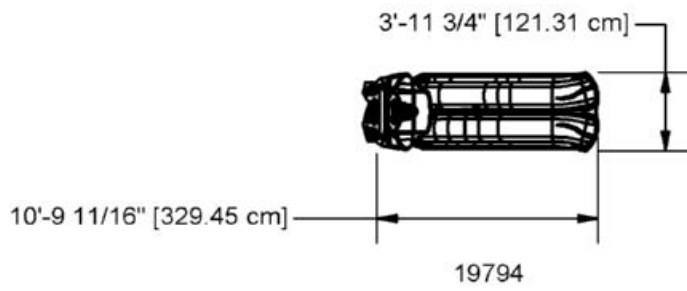
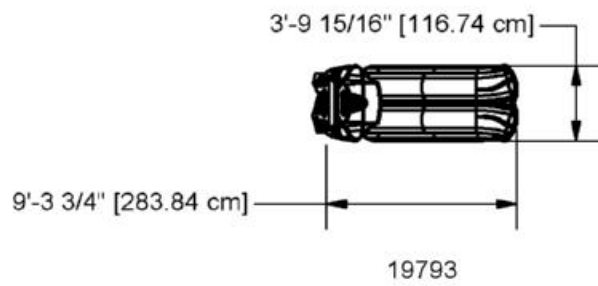
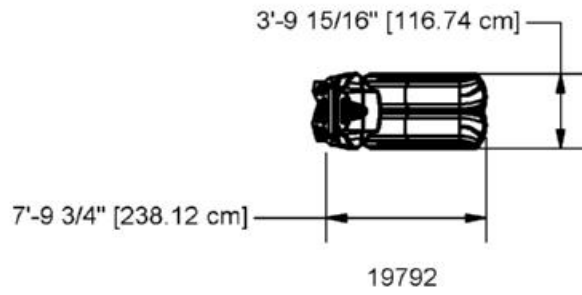
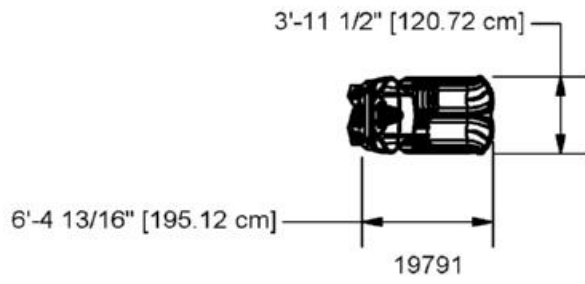
EXIT HEIGHT CHART -for- 19081, 19082 & 19083	
STANDARD	EXIT HEIGHT FROM SURFACING
ASTM	7" TO 15"
CSA	175 mm TO 380mm
EN	350 mm OR LESS

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

19795 SHOWN



TOP VIEWS

Parts List							
REF.	DESCRIPTION	19791	19792	19793	19794	19795	PART NUMBER
1	DOUBLE SLIDE HOOD	1	1	1	1	1	214527
2	3' RUMBLE & ROLL SLIDE	1	0	0	0	0	176401
2	4' DOUBLE SLIDE	0	1	0	0	0	176188
2	5' DOUBLE SLIDE	0	0	1	0	0	176189
2	6' DUELING WAVE SLIDE	0	0	0	1	0	176158
2	7'-6" DOUBLE WAVE SLIDE	0	0	0	0	1	176259
3	FOOTBUCK	2	2	2	0	2	176385
3	FOOTBUCK	0	0	0	2	0	176384
4	SUPPORT POST ASS'Y	0	0	0	0	2	176650
	HARDWARE COMPLETE	1	0	0	0	0	214820
	HARDWARE COMPLETE	0	1	1	1	0	214821
	HARDWARE COMPLETE	0	0	0	0	1	214822
	3/8" x 3/4" B.H.C.S.	8	8	8	8	8	811052*
	3/8" x 1 1/4" B.H.C.S.	0	0	0	0	4	811051*
	3/8" x 2" B.H.C.S.	4	4	4	4	4	811055*
	3/8" FLAT WASHER (1 1/4" O.D.)	15	15	15	15	15	817424*
	3/8" FLAT WASHER	8	8	8	8	8	817410*
	3/8" HEX NUT	2	2	2	2	2	804053*
	3/8" LOCK WASHER	21	21	21	21	21	817334*
	GROUND EXTENSION	2	0	0	0	2	151080*
	GROUND EXTENSION	0	0	0	0	2	152110*
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	0	0	2	801009*
	3/8" x 3 1/2" HEX HEAD BOLT	2	0	0	0	2	801013*
	3/8" x 3" B.H.C.S.	9	9	9	9	9	811059*

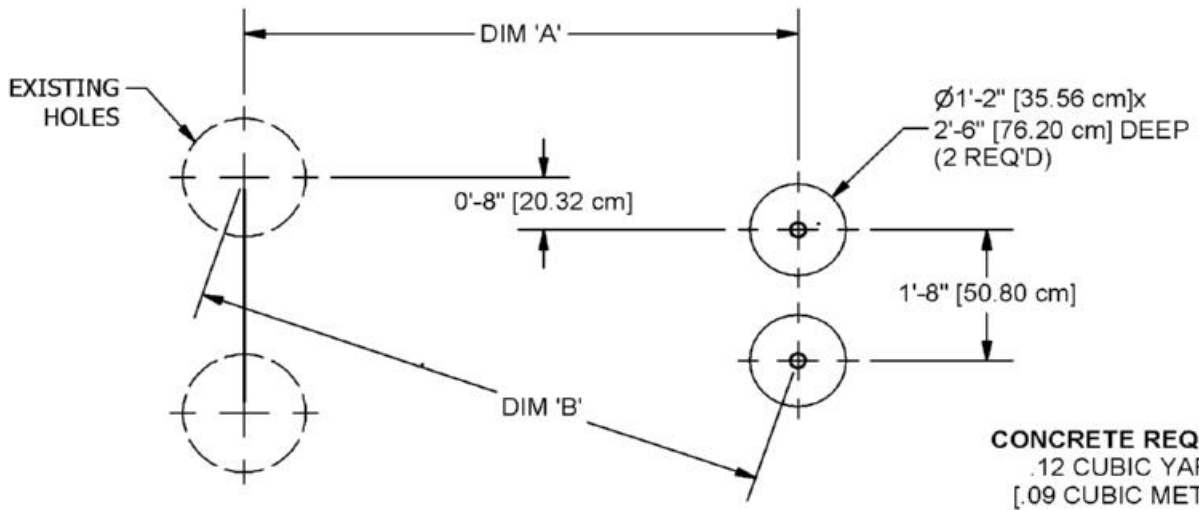
Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

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.

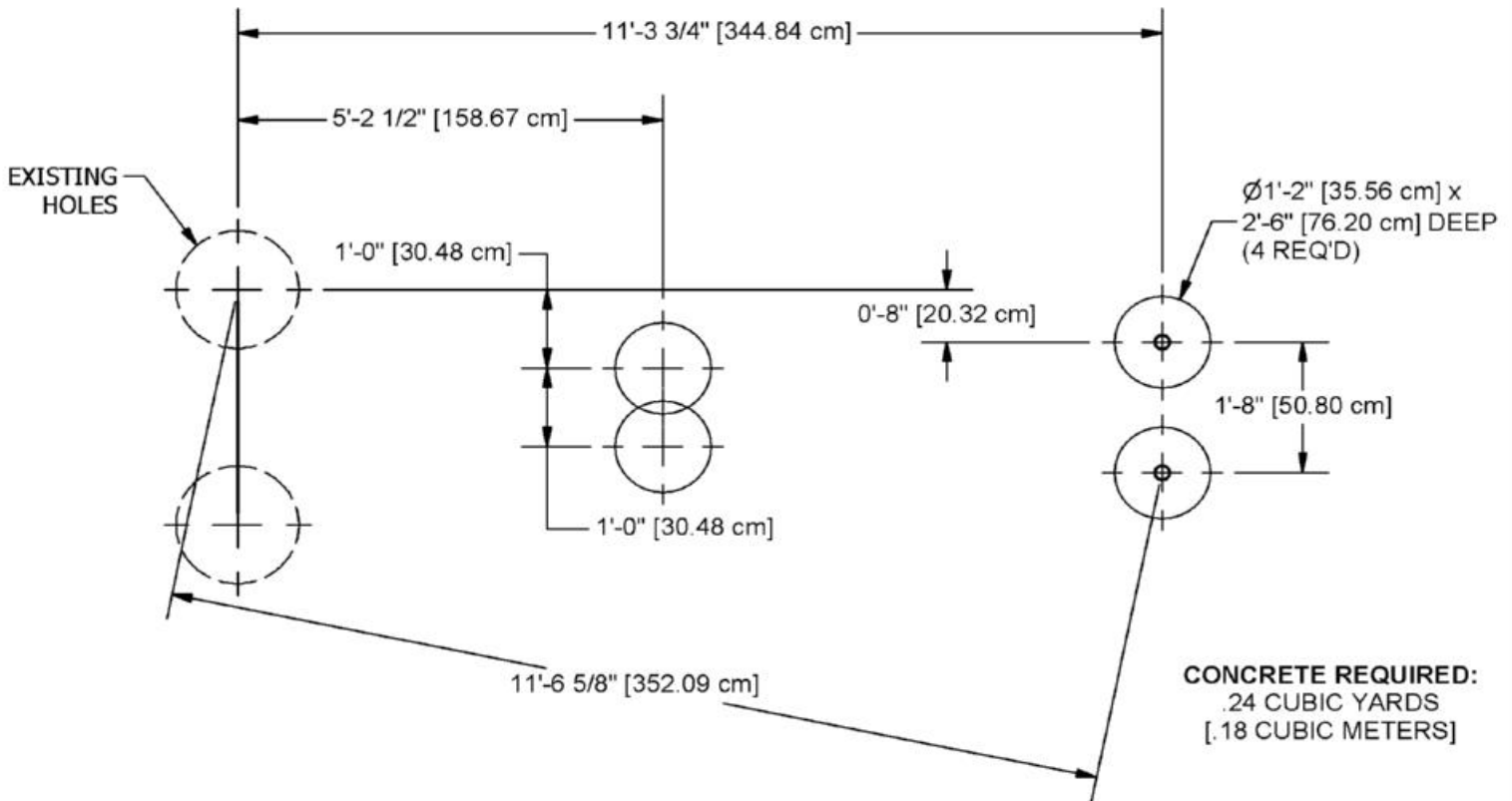
Note: Loctite (supplied by others) should be used on any non-patch hardware.

Table		
PART NO.	DIM 'A'	DIM 'B'
19791	5'-4 1/8" [162.95 cm]	5'-10" [177.79 cm]
19792	6'-9 1/8" [206.03 cm]	7'-1 13/16" [217.96 cm]
19793	8'-2 1/8" [249.19 cm]	8'-6" [259.14cm]
19794	9'-8 3/8" [295.56 cm]	9'-11 11/16" [304.00 cm]



19791, 19792, 19793 & 19794

NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



19795

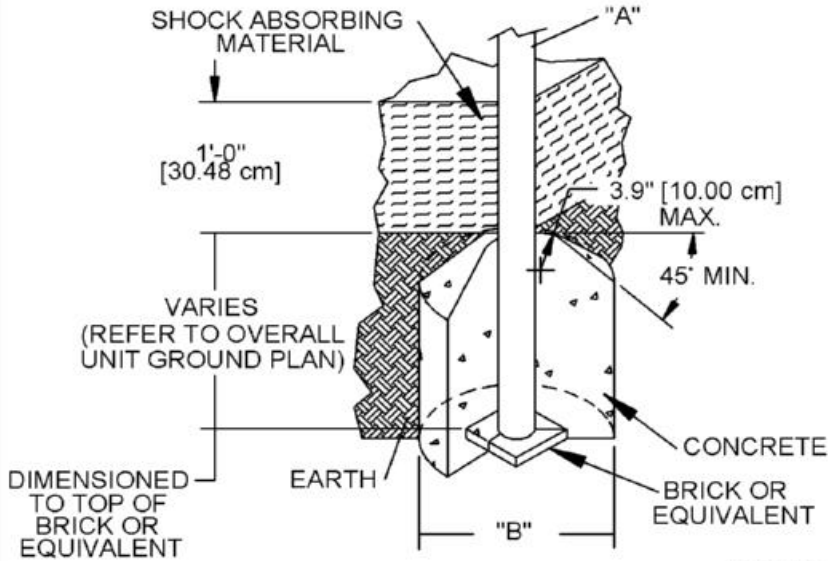
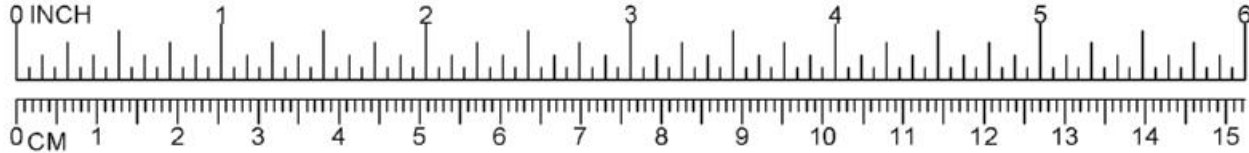
DETAILS -for- 19791 - 19795

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.

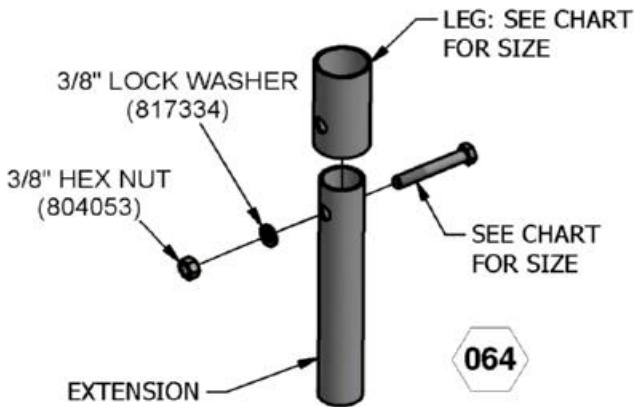


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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

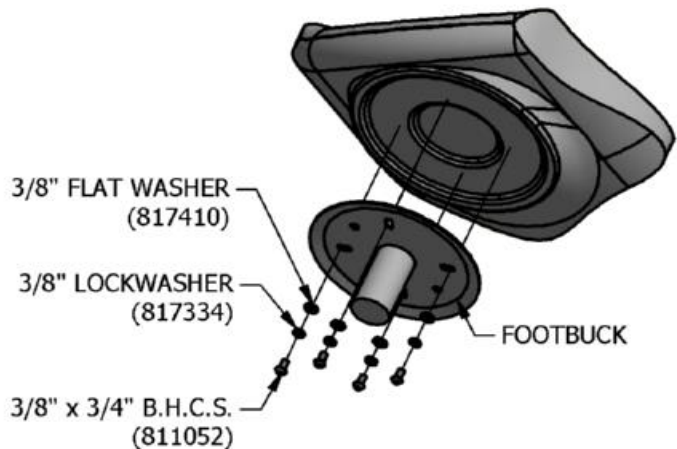
005

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.



064

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



319

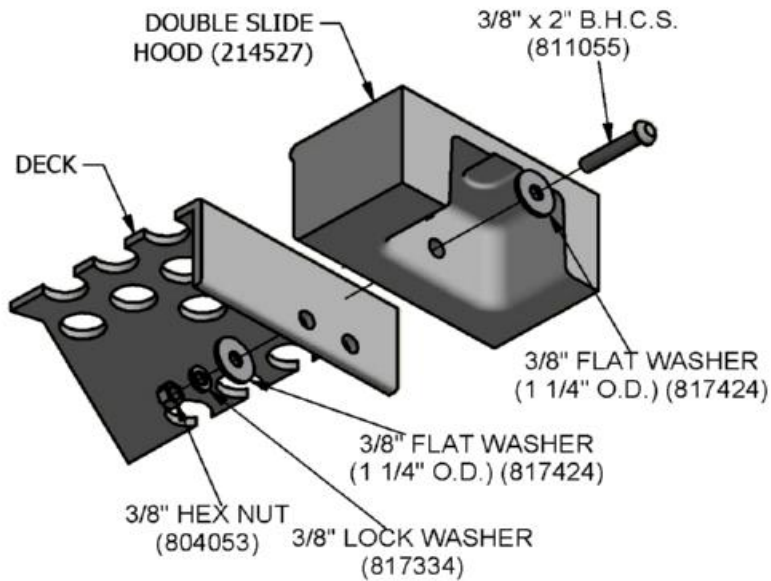
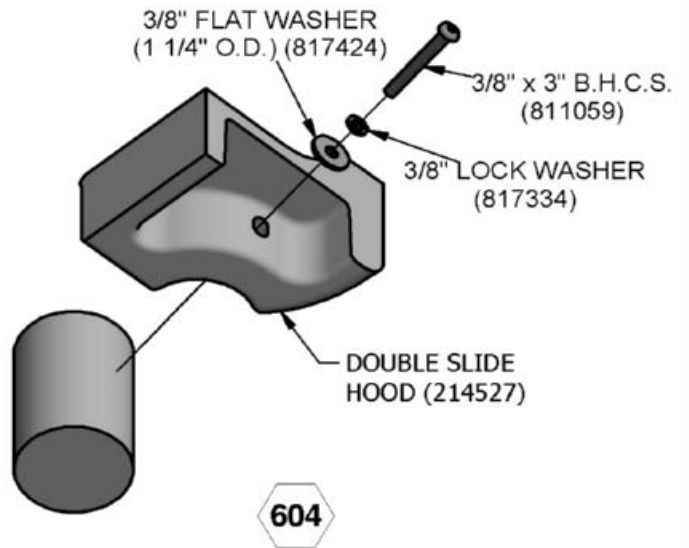
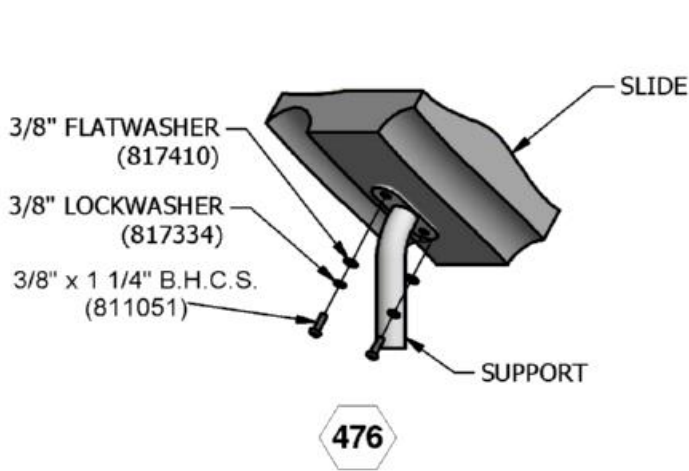
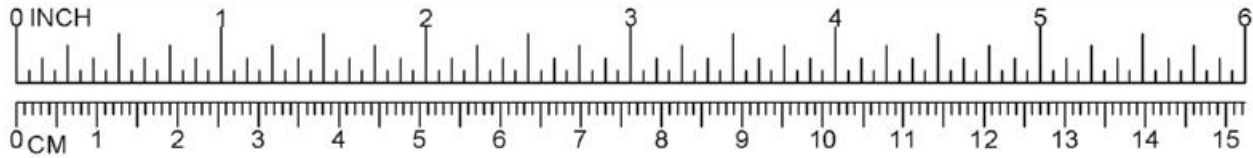
DETAILS -for- 19791 - 19795

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.



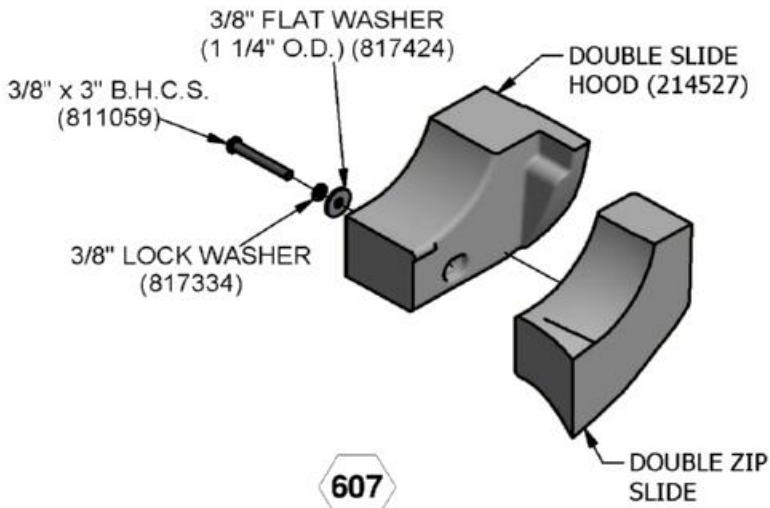
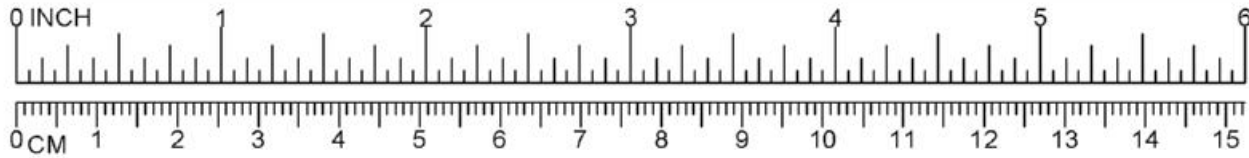
DETAILS -for- 19791 - 19795

IMPORTANT

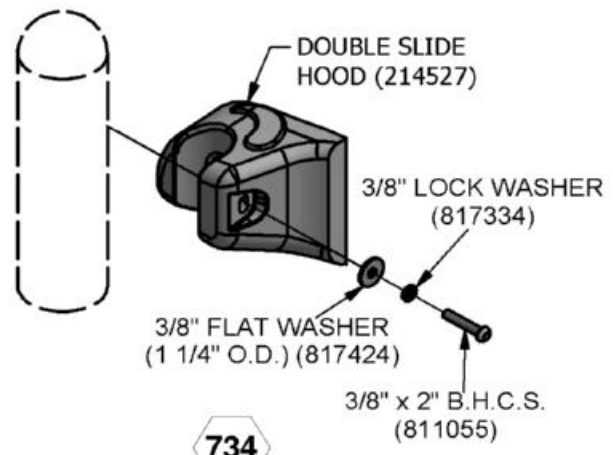
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

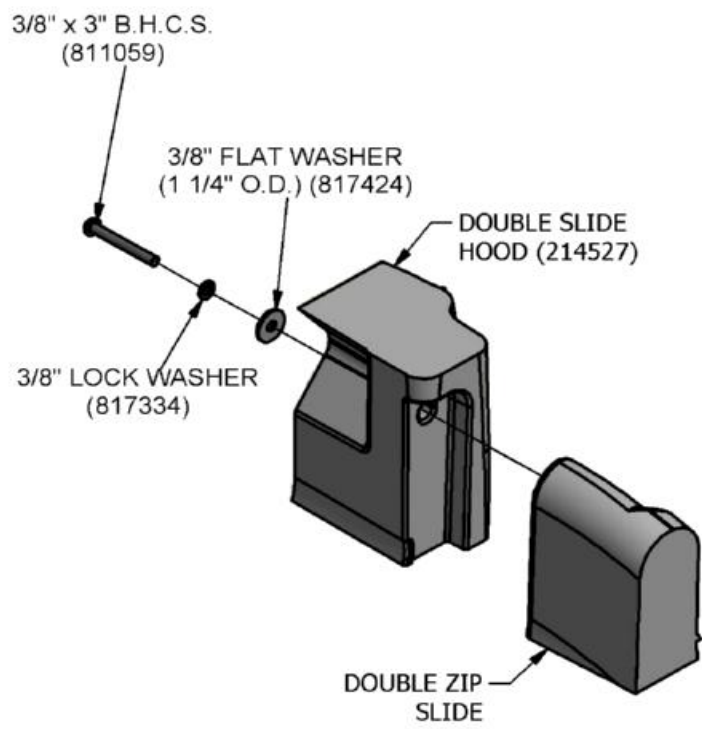
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



607

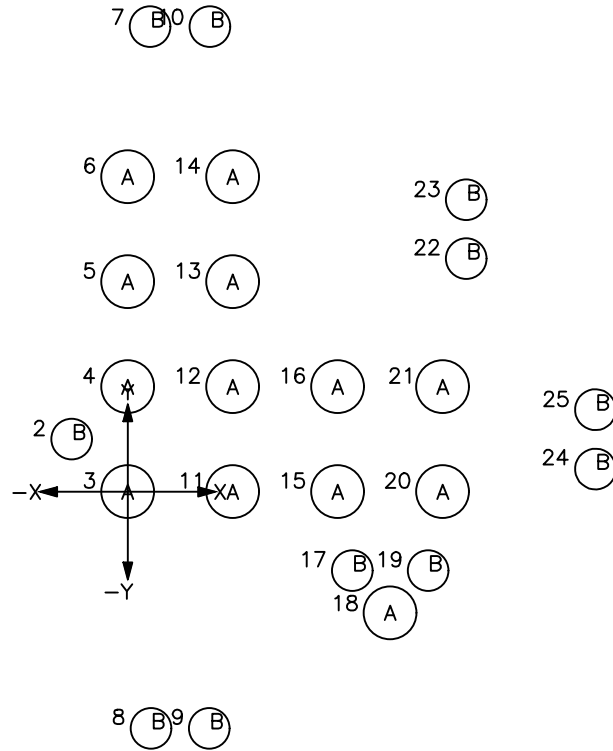


734



735

FOOTINGS ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-5'-5 1/2"	5'-3 1/2"	7'-7"
2	-1'-7"	1'-5 1/2"	2'-2"
3	0'-0"	-0'-0 1/2"	0'-0 1/2"
4	0'-0"	2'-11 1/2"	2'-11 1/2"
5	0'-0"	5'-11 1/2"	5'-11 1/2"
6	0'-0"	8'-11 1/2"	8'-11 1/2"
7	0'-7 1/2"	13'-2 1/2"	13'-3"
8	0'-8"	-6'-9 1/2"	6'-9 1/2"
9	2'-4"	-6'-9 1/2"	7'-2"
10	2'-4"	13'-2 1/2"	13'-5"
11	3'-0"	-0'-0 1/2"	3'-0"
12	3'-0"	2'-11 1/2"	4'-2 1/2"
13	3'-0"	5'-11 1/2"	6'-8"
14	3'-0"	8'-11 1/2"	9'-5 1/2"
15	6'-0"	-0'-0 1/2"	6'-0"
16	6'-0"	2'-11 1/2"	6'-8 1/2"
17	6'-5"	-2'-3 1/2"	6'-9 1/2"
18	7'-6"	-3'-6 1/2"	8'-3 1/2"
19	8'-7"	-2'-3 1/2"	8'-10 1/2"
20	9'-0"	-0'-0 1/2"	9'-0"
21	9'-0"	2'-11 1/2"	9'-6"
22	9'-8"	6'-7 1/2"	11'-9"
23	9'-8"	8'-3 1/2"	12'-9"
24	13'-4 1/2"	0'-7 1/2"	13'-4 1/2"
25	13'-4 1/2"	2'-3 1/2"	13'-6 1/2"



FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH*	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	13
B	1'-2" [35.56cm]	2'-6" [76.20cm]	12

*DEPTH IS MEASURED FROM FINISHED GRADE

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 Fort Payne, AL 35967
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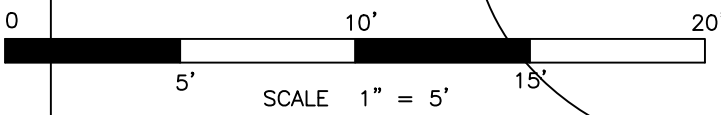
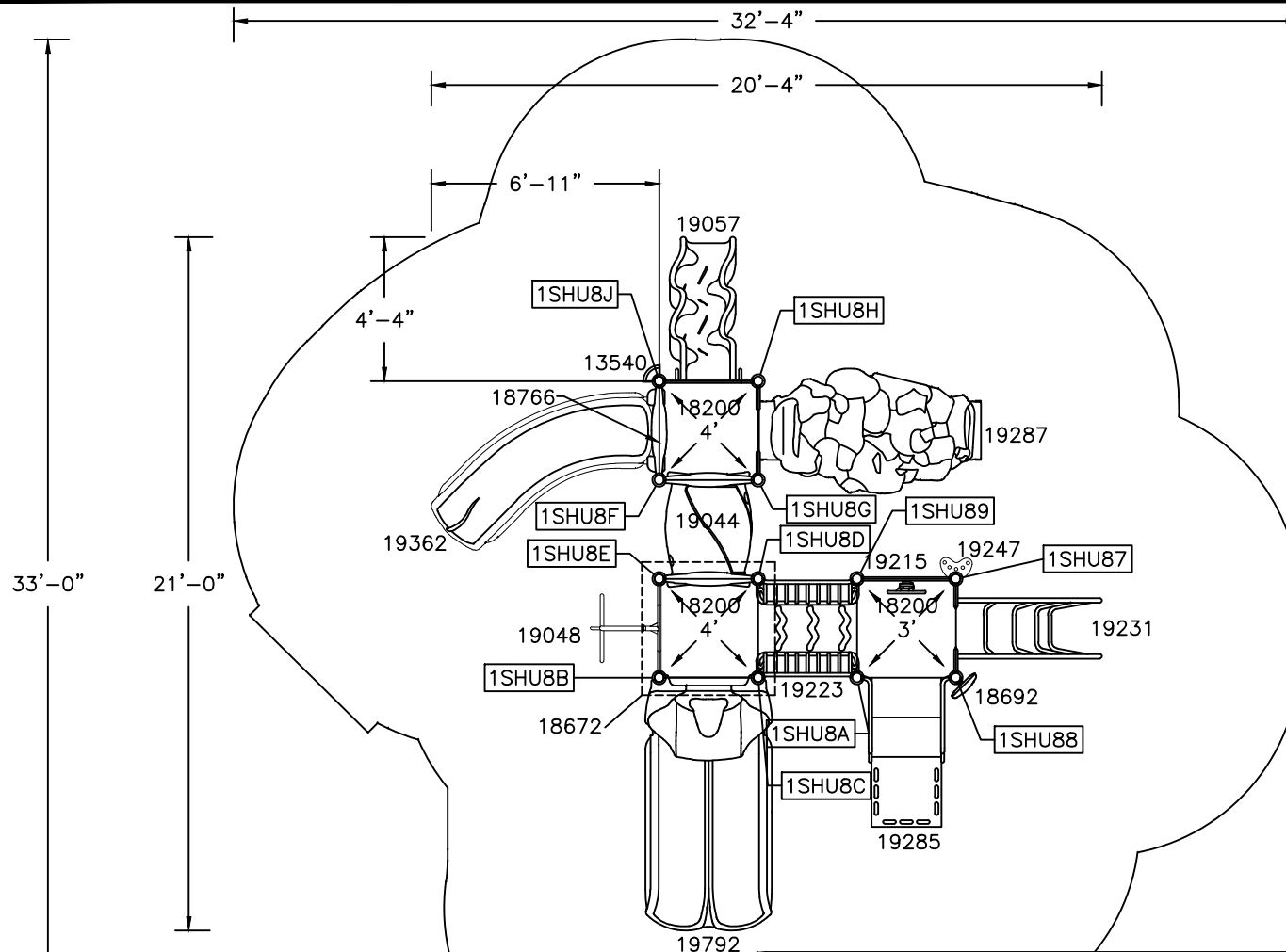


0062300A
 CORNELIUS, OR
 Representative
 MARTURANO RECREATION

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:
 32'-4" X 33'-0"
 Scale: 1"=5'-0"
 This drawing can be scaled only when in an 8 1/2" x 11" format

Drawn By:
 VVW
 Date:
 03/03/2020
 GT Order #:
 0062300A



The play equipment and layout comply with the applicable Department of Justice 2010 ADA Standards for Accessible Design. Also the play equipment design and connections have been reviewed and are compliant with ASTM F1487-11.

1. Arrows at deck corners indicate orientation of label on each upright. See upright label detail.
2. 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, F1951, F2075, F2223, F2479, and F1487 (U.S.) or CAN/CSA Z614 (Canada).
3. Larger overall dimensions shown represent ASTM use zone and CSA protective surfacing zone. For Canadian installations only, an additional 1.8m long no-encroachment zone is required beyond the protective surfacing zone of slides, track rides and other play equipment causing the user to be propelled forward.

Total Elevated Play Components	9	0	0
Total Elevated Play Components Accessible By Ramp	0	Required	0
Total Elevated Components Accessible By Transfer	9	Required	5
Total Accessible Ground Level Components Shown	3	Required	3
Total Different Types Of Ground Level Components	3	Required	3

Minimum Area Required:
32'-4" X 33'-0"
Scale: 1"=5'-0"
This drawing can be scaled only when in an 8 1/2" x 11" format

Drawn By:
VW
Date:
03/03/2020
GT Order #:
0062300A

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Fort Payne, AL 35967
www.gametime.com



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This play equipment is recommended for children ages 5-12

FOOTINGS ORDINATE TABLE			
HOLE	X	Y	DIAG
1	-8'-4"	1'-6"	8'-5 1/2"
2	-3'-9"	11'-7 1/2"	12'-2 1/2"
3	-3'-8 1/2"	6'-6 1/2"	7'-6 1/2"
4	-3'-3"	10'-1"	10'-7"
5	-3'	17'-2 1/2"	17'-5 1/2"
6	-2'-10 1/2"	5'-1 1/2"	5'-10 1/2"
7	-2'-2"	11'-11 1/2"	12'-2"
8	-1'-6"	8'-7"	8'-8 1/2"
9	0"	11'-2 1/2"	11'-2 1/2"
10	0"	17'-2 1/2"	17'-2 1/2"
11	0"	0"	0"
12	0"	3'	3'
13	0"	6'	6'
14	1'-6"	-1'-7 1/2"	2'-2 1/2"
15	1'-6"	8'-7"	8'-8 1/2"
16	3'	11'-2 1/2"	11'-7"
17	3'	0"	3'
18	3'	3'	4'-3"
19	3'	6'	6'-8 1/2"
20	4'-5"	1'-6"	4'-8"
21	4'-6"	8'-7"	9'-8 1/2"
22	5'-4 1/2"	6'-4 1/2"	8'-4"
23	6'-9 1/2"	17'-7 1/2"	18'-10 1/2"
24	8'-2 1/2"	14'-2 1/2"	16'-4 1/2"
25	8'-7"	18'-7 1/2"	20'-6"
26	9'-8 1/2"	11'-7"	15'-1 1/2"

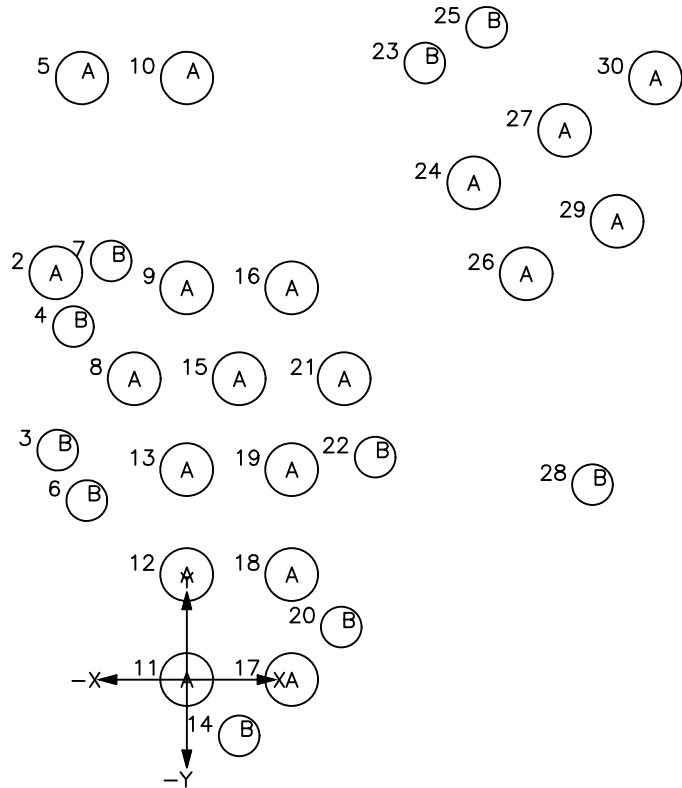
1 (B)

27	10'-9 1/2"	15'-8 1/2"	19'-0 1/2"
28	11'-7"	5'-7"	12'-10 1/2"
29	12'-3 1/2"	13'-1"	17'-11 1/2"
30	13'-4 1/2"	17'-2 1/2"	21'-9 1/2"

FOOTINGS TABLE

TYPE	DIAMETER/SIDE	DEPTH*	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	19
B	1'-2" [35.56cm]	2'-6" [76.20cm]	11

*DEPTH IS MEASURED FROM FINISHED GRADE

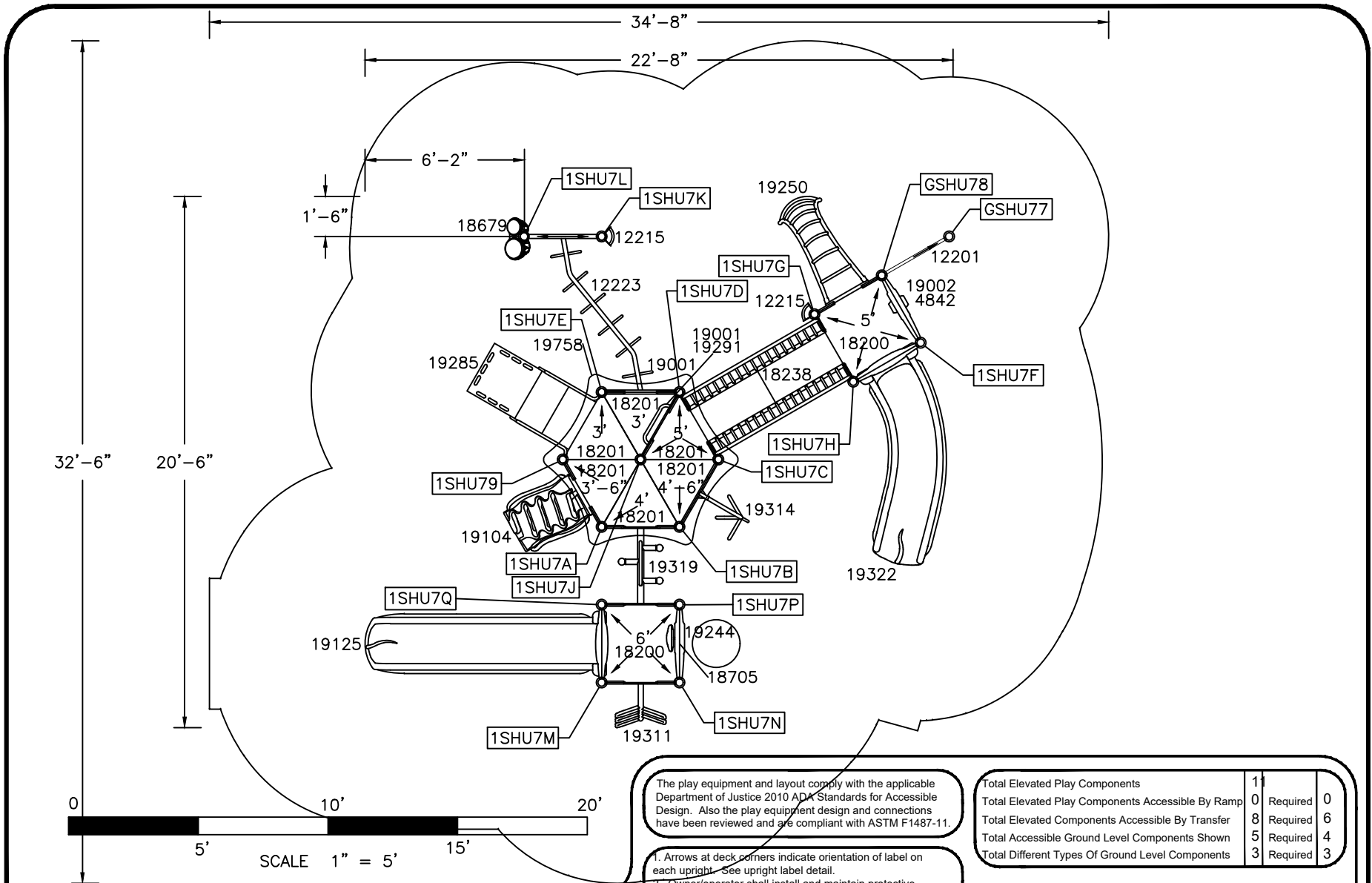


0062300
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Notes:
1. Hole depths indicated on all ground plans are measured from the finished surface. All footing dimensions are based on level finished surface.
2. On non-lettered holes, to ensure concrete requirements please refer to each components installation sheets.

Minimum Area Required:
34'-8" X 32'-6"
Scale: 1"=5'-0"
This drawing can be scaled only when in an 8 1/2" x 11" format

Drawn By:
VW
Date:
03/03/2020
GT Order #:
0062300



The play equipment and layout comply with the applicable Department of Justice 2010 ADA Standards for Accessible Design. Also the play equipment design and connections have been reviewed and are compliant with ASTM F1487-11.

- Arrows at deck corners indicate orientation of label on each upright. See upright label detail.
- 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, F1951, F2075, F2223, F2479, and F1487 (U.S.) or CAN/CSA Z614 (Canada).
- Larger overall dimensions shown represent ASTM use zone and CSA protective surfacing zone. For Canadian installations only, an additional 1.8m long no-encroachment zone is required beyond the protective surfacing zone of slides, track rides and other play equipment causing the user to be propelled forward.

Total Elevated Play Components	1	Required	0
Total Elevated Play Components Accessible By Ramp	0	Required	6
Total Elevated Components Accessible By Transfer	8	Required	4
Total Accessible Ground Level Components Shown	5	Required	3
Total Different Types Of Ground Level Components	3	Required	

Minimum Area Required:
34'-8" X 32'-6"
Scale: 1"=5'-0"
This drawing can be scaled only when in an 8 1/2" x 11" format

Drawn By:
VW
Date:
03/03/2020
GT Order #:
0062300

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This play equipment is recommended for children ages 5-12