



Engineering • Design • Consulting

February 4, 2020

ADDENDUM NO. 01

PROJECT: South Ridge Community Park – Enhancement Plan 2019
1450 Freeman Road
Hoffman Estates, IL
W-T Project #1911354C

TO: All Plan Holders

This addendum shall be included in and become part of the Contract Documents. The above named Project Specifications and Drawings previously issued are hereby modified as follows:

General Clarifications

1. Splash Pad Plans have been revised to match the pavement geometry shown on the Civil plans. Updated Splash Pad Plans from Vortex Aquatic Structures International, dated 1/30/2020, are included in this addendum set.
2. The synthetic playground turf, pad, and infill shall be provided by the Contractor and installed by the Contractor. The fitness area turf, pad, and infill shall be provided by the Park District and installed by the Contractor.
3. The new 16' x 30' hip end structure north of the splash pad shall be provided by the Park District and installed by the Contractor.
4. Temporary dewatering measures are required for any work within the normal water level of the existing pond. (See Sheet C-7.2 for location)
5. The contractor shall haul up to 600 cubic yards of clean topsoil to the Park District's maintenance facility located at 1450 Poplar Drive in Hoffman Estates, IL. All other excess soils and debris created by the project shall be removed from the site and legally hauled to a dump site and shall be legally disposed of.
6. Refer to sheet E-1.0 for the splash pad bonding requirements (not the Splash Pad Drawings).

Project Manual

1. Bid Instructions

- a. Revised the 3rd paragraph as follows:

“A Certified Check, Cashier's Check or Bid Bond payable to the **Hoffman Estates Park District** for not less than five (5) percent of the total bid amount will be required for each bid.”

- b. Revised the 8th paragraph as follows:

“Please note, the Park District has purchased (or will purchase) the playground equipment; fitness equipment; synthetic turf, rubber infill, and padding **for the fitness area**; the splash pad equipment; and the shelter structure. It will be the contractor’s responsibility to install these items.”

- c. The bid instruction and Note S on the Site Grading Plan has been revised to:

“The contractor shall plan to haul up to 600 cubic yards of clean topsoil to the Park District facility located at 1450 Poplar Creek Drive in Hoffman Estates, Illinois.”

- d. Revised the following Scope of Work sentence as follows:

“Unless otherwise noted on the plans, all new pathways and parking lots have been designed to meet ADA standards and are expected to be constructed to meet ADA standards.”

2. **Specifications**

- a. Added “Synthetic Turf Safety Surface” specifications.
- 3. Added Playground Fall Surface Drawing to the Project Manual.
- 4. Added Playground Installation Manuals to the Project Manual.
- 5. Index has been revised to include the changes and revisions listed above.

Plans

General: Revisions have been clouded and labeled as ADD#1 on the following plan sheets:

6. **Sheet C-2.0 - Site Demolition Plan**

- a. **Revised Project Note #10 as follows:**

“EXISTING PLAYGROUND EQUIPMENT, FOUNDATIONS, MULCH, EDGING, ETC. TO BE REMOVED.”

7. **Sheet C-3.0 - Site Geometric Plan**

- a. Updated the layout of the spray pad equipment and added the transformer.

8. **Sheet C-4.0 – Site Development Plan**

- a. Revised Project Note #45 as follows:

“NEW 16’X30’ HIP END STRUCTURE PROVIDED BY OWNER AND INSTALLED BY THE CONTRACTOR. SEE SHELTER DRAWINGS FOR DETAILS.”

- b. Revised Project Note #50 as follows:
“NEW SYNTHETIC TURF PLAYGROUND. SYNTHETIC TURF, PAD AND INFILL TO BE SUPPLIED BY CONTRACTOR AND INSTALLED BY CONTRACTOR.”
- c. Added Project Note #70:
“NEW TRANSFORMER. (SEE MEP PLANS FOR DETAILS)”
- d. Added new transformer along the east side of the new bathroom building.
Revised Project Note #45 as follows:
“NEW 16’X30’ HIP END STRUCTURE PROVIDED BY OWNER AND INSTALLED BY THE CONTRACTOR. SEE SHELTER DRAWINGS FOR DETAILS.”

9. Sheet C-4.2 – Site Development Plan

- a. Project note # 33 has been added adjacent to a proposed retaining wall.

10. Sheet C-4.3 – Site Development Plan

- a. The project notes have been updated.

11. Sheet C-4.5 – Site Development Details

- a. Detail – HOFFMAN ESTATES CURB: Added a note which specified the use of this curb for all on site curbing.

12. Sheet C-4.6 – Site Development Details

- a. Detail – ENGINEERED WOOD FIBER SECTION: Revised detail to indicate that the subgrade shall be sloped towards the playground underdrains.

13. Sheet C-4.8 – Site Development Details

- a. A note has been added to the shelter detail which requires the contractor to hire the shelter manufacturer to size the footing as part of their work. The footing design will need to be designed by a structural engineer.

14. Sheet C-5.0 Site Grading Plan

- a. Note “S” on all grading plans sheets has been updated.
- b. A rim elevation has been added west of the spraypad.

15. Sheet C-5.1 Site Grading Plan

- a. Additional grade elevations have been added and grade boxes have been moved.
- b. Note “S” on all grading plans sheets has been updated.

16. Sheet C-5.2 Site Grading Plan

- a. Additional grade elevations have been added and grade boxes have been revised.
- b. Note “S” on all grading plans sheets has been updated.

17. Sheet C-5.3 Site Grading Plan

- a. Note “S” on all grading plans sheets has been updated.

18. Sheet C-5.4 Site Grading Plan

- a. Note “S” on all grading plans sheets has been updated.

19. Sheet C-5.5 Site Grading Plan

- a. Note “S” on all grading plans sheets has been updated.
- b. There are several grading revisions including adjacent to the new transformer pad and within the spray pad. Note rim elevations and additional elevations have been added to the spray pad.

20. Sheet C-6.0 – Site Utility Plan

- a. Added drain line from the Splash Pad to Storm Structure #74. (See Storm Sewer Notes 89 – 95)
- b. Added new transformer along the east side of the new bathroom building.
- c. Revised location of the 4” Schedule 40 drain pipe from the Shutdown pit.
- d. Storm Structure #74: Revised invert to 844.00.
- e. Storm Sewer Note #72: Revised slope to 13.9%.
- f. Storm Sewer Note #75: Revised as follows:
“NEW 8” PVC SDR 26, 75 LF @ 1% SLOPE”
- g. Storm Sewer Note #88: Revised pipe length to 7 LF.
- h. Added Storm Sewer Note #89:
“NEW 24” DIA. PRECAST CONCRETE INLET WITH SOLID LID”
- i. Added Storm Sewer Note #90:
“NEW 8” PVC SDR 26, 67 LF @ 1.04% SLOPE”

- j. Added Storm Sewer Note #91:
“NEW 24” DIA. PRECAST CONCRETE INLET WITH SOLID LID”
- k. Added Storm Sewer Note #92:
“NEW 8”x8” WYE CONNECTION”
- l. Added Storm Sewer Note #93:
“NEW 8” PVC SDR 26, 29 LF @ 1% MIN. SLOPE. CONNECT
UPSTREAM END TO NEW SPLASHPAD DRAIN.”
- m. Added Storm Sewer Note #94:
“NEW 8”x8” WYE CONNECTION”
- n. Added Storm Sewer Note #95:
“NEW 8” PVC SDR 26, 25 LF @ 1% MIN. SLOPE. CONNECT
UPSTREAM END TO NEW SPLASHPAD DRAIN.”
- o. Revised Other Utility Note #7 as follows:
“NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE
OWNER AND INSTALLED BY THE CONTRACTOR. SEE
SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC
STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT
AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR
WATER AND SEWER PIPING TO AND FROM SPLASH PAD.”
- p. Added Other Utility Note #8:
“NEW TRANSFORMER. (SEE MEP PLANS FOR DETAILS.)
- q. Note # 96 has been added. An additional drain and sewer has been added
to the splash pad.
- r. Pipe slopes have been changed for storm sewers 49, 53, 56, 59, 61 and
64. Associated pipe inverts have also been updated.
- s. Storm sewer pipe 66 has been changed to PVC SDR 26 piping.

21. Sheet C-6.1 through 6.4 – Site Utility Plans-all notes have been updated to
reflect the above changes.

22. Sheet C-7.0 – Stormwater Pollution Prevention Plan

- a. Added above ground inlet protection devices to drainage structures
receiving surface runoff from disturbed landscape areas.
- b. Removed inlet protection from structures not receiving surface runoff.
- c. Added silt fence along the east side of the existing parking lot.

- d. Added topsoil and seed restoration around the new level spreader.

23. Sheet C-7.2 – Stormwater Pollution Prevention Plan

- a. Revised double silt fence limits around relocated flared end section.
- b. Added temporary cofferdam around relocated flared end section.
- c. Added temporary floating silt fence curtain downstream of relocated flared end section.
- d. Added floating silt fence curtain details.

24. Sheet C-7.5 – Stormwater Pollution Prevention Details

- a. Added Bladder Cofferdam Detail
- b. Added Inlet Protection – Monofilament Fabric Barrier Fence Detail

25. Sheet L-1.0 – Landscape Plan

- a. Revised restoration limits around new bathroom building.

END OF ADDENDUM NO. 1

Respectfully Submitted,

The W-T Group, LLC



Todd Abrams, P.E., CFM
Principal in Charge, Civil Engineering Department
(224) 293-6391

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Bid Instructions

The Hoffman Estates Park District will receive sealed bids for the South Ridge Park Renovations. The project includes a new parking lot, shelter structure, splash pad, new playgrounds, sand volleyball court, bike paths, concrete sidewalk, and utilities.

Bids are due and will be opened and read aloud on **Tuesday February 11 at 10:00 AM** at 1685 West Higgins Road in Hoffman Estates, Illinois.

A Certified Check, Cashier's Check or Bid Bond payable to the Hoffman Estates Park District for not less than five (5) percent of the total bid amount will be required for each bid.

The successful bidder will be required to furnish a satisfactory Performance Bond and Labor and Material Payment Bond for the total Contract Amount. The successful bidder will also be required to execute AIA Form A101 – 2017 as the contract between the parties.

All questions should be directed to Dustin Hugen at the Hoffman Estates Park District via email at dhugen@heparks.org.

In all work performed under this Contract, the Contractor and all of its subcontractors shall comply with the current provisions of the Prevailing Wage Act of the Illinois Revised Statutes, Chapter 48, Sections 39s-1 *et seq.*

No bids will be withdrawn without the written consent of the Streamwood Park District. If a Bid is withdrawn, the Bidder will not be permitted to submit another Bid for the same project. Only bids in compliance with the provisions of the Bid Documents will be considered. Bids will be considered firm for a period of ninety (90) days. The Streamwood Park District reserves the right to reject any or all bids or portions of bids/portions of work and to waive any technicalities in the bidding if it should be deemed in the public interest.

Please note, the Park District has purchased (or will purchase) the playground equipment; fitness equipment; synthetic turf, rubber infill, and padding for the fitness area; the splash pad equipment; and the shelter structure. It will be the contractor's responsibility to install these items.

Additionally, note, the Park District will install all permanent seeding, erosion control blanket, and trees, shrubs, and perennials. However, it will be the contractor's responsibility to bring all landscape areas to finish grade and it is the contractor's responsibility to install a minimum of 6" of topsoil.

It will be the contractor's responsibility to construct all proposed concrete and foundations associated with the new Bathroom (Toilet) Facility. It will also be the contractor's responsibility to install all proposed utilities associated with the Bathroom Facility and to stub these proposed utilities up through the slab. The owner will construct the building and

features inside of the Bathroom (Toilet) Facility.

The contractor shall plan to haul up to 600 cubic yards of clean topsoil to the Park District Facility located at 1450 Poplar Creek Drive in Hoffman Estates, Illinois.

Bid Instructions

Preparation of Bid Proposals

The bidder shall submit his prices on the attached proposal forms. The proposal shall be executed properly and all writing shall be with blue or black ink.

The bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the proposal forms.

The bidder shall return all of the project manual "specifications" with the bid, and **no sheets shall be detached from any part of the bid documents.**

Scope of Work

The scope of work includes the removal and replacement of existing asphalt paved parking lots, new parking lots, pathways, and sidewalks, installation of new concrete pads, curbing, ramps, and sidewalks, installation of new storm sewer, sanitary sewer, and water main systems, landscape restoration and storm water pollution prevention. Other improvements include the installation and construction of playgrounds, a splash pad, a new building, underground detention / retention, a sand volleyball court, a shelter structure, and other miscellaneous improvements. **Unless otherwise noted on the plans, all new pathways and parking lots have been designed to meet ADA standards and are expected to be constructed to meet ADA standards. The contractor must use all measures necessary to ensure that proposed improvements have been installed to meet ADA requirements.**

Beginning and Completion Dates

Begin Construction: March 2, 2020

End Construction: August 18, 2020 (Substantial Completion)

100 % Completion September 18, 2020

Project Contact
Mr. Dustin Hugen
(847) 285-5465
dhugen@heparks.org

Please Submit All Technical Questions in Writing to Above Email Address



SPECIFICATIONS- Synthetic Turf Safety Surface

Supplier name
Product name

Perfect Turf LLC
PerfectPlay® Playground System

This document provides the specifications for a Synthetic Grass Playground Safety Surface System composed of a tufted polyethylene grass fiber component with a polyethylene and polyester thatch layer installed over a porous 100% recycled polypropylene playground pad, or poured rubber buffings layer, and stone base drainage system.

There are variations in the final specifications as required by the Client.

PART 1 – GENERAL

1.1) Summary - Work Included

Provide all labor, materials, equipment, and tools necessary for the complete installation of a synthetic grass playground safety surface system as outlined in these specifications. The vertical draining impact attenuating layer shall be suitable to meet safety standards for the fall height of the intended equipment. The stone base, nail board and drainage system may be provided separately by the owner or an approved contractor. The system shall consist of, but not necessarily be limited to, the following:

- a) A complete synthetic grass system, consisting of a synthetic grass with a pile height of at least 1 3/8 inches long and not to exceed 1 5/8 inches long, 100% monofilament polyethylene fibers and polyethylene/polyester thatch layer, tufted on a 3/8" tufting machine with a minimum face weight of 80 ounces of yarn per square yard. The fibers shall include anti-static yarns, anti-bacterial additives and "cool grass" reflective pigments to reduce the surface temperature. Synthetic turf products utilizing nylon blades or nylon thatch layers will not be acceptable. The system should be infilled with between 1.5 to 2.0 pounds per square foot of infill or a combination thereof as accepted by the managing architect. Systems utilizing granular rubber products made of recycled tires infilled in the grass blades will not be acceptable. The system shall include a single, dimensionally stable, two-component primary backing and have a minimum of 20 ounces of secondary polyurethane backing per square yard. The finished product shall also include perforations in a 2" by 4" pattern to ensure excellent surface drainage.

1.2) Qualifications, References and Submittals

Prospective bidders and/or installers of the turf shall be required to comply with the following:

- a) The turf manufacturer must be experienced in the manufacture of synthetic grass playground systems with antistatic, antibacterial, cool grass technology yarns and provide references of five (5) municipal or commercial playground installations in the last three (3) years.
- b) The turf installer must provide competent workmen skilled in this specific type of synthetic grass installation. The designated supervisory personnel on the project must be competent in the installation of this material, including gluing of seams.
- c) The turf installer will provide submittals of turf, shock pad, glue and seam materials as detailed in the submittals section of the specifications. These details should include the following ASTM test method for the complete system.

ASTM F1292-17a, Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment

ASTM F1951-14: Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment

- d) Submit one 12" by 12" sample of the synthetic turf and the underlayment padding to be installed. A submission of at least one pound of the infill material to be used is also required.
- e) Submit manufacturer's certification that the products and materials comply with the requirements of these specifications. Submit test results showing compliance with the reference standards as listed in the specifications.
- f) Documentation: Submit warranty and ensure that forms have been completed in Owner's name and registered with approved manufacturer. The installer of the infill turf system must accept the aggregate base as completed to standards prior to installation of the synthetic turf system.

PART 2 - SYNTHETIC GRASS MATERIALS

1.2) Manufacturers

Approved synthetic turf products are:

PerfectPlay® Playground Safety Surface

Manufactured by Perfect Turf LLC, Rolling Meadows, IL 60008

Contact: 888-SYN-TURF (888-796-8873)

The PerfectPlay® System consist of:

- a. Perfect Turf® PlayGround Turf 80™ and Perfect Turf PlayGround Turf Colors (see addendum for specification pages)
 - i. Face Weight: 80 oz.
 - ii. Pile Height: 1.4"
 - iii. Roll Width: 15' (180")
 - iv. Yarn Color: Two-tone green with green/tan thatch, Blue, Red, White, Yellow.
 - v. Yarn type: 12,960 denier two-tone Polyethylene blades with a texturized polyester thatch layer.
 - vi. Construction Details: Type- tufted | Gauge: 3/8".
 - vii. Primary backing: 2 layers 13 pic polybac.
 - viii. Secondary backing: 22 oz.Polyurethane.
 - ix. Perforation: Yes, 2x4 inches on center.
 - x. Infill requirements: Yes, 2lbs/SqFt of infill based on customer preference.
 - xi. Warranty: 10 years manufacturer's warranty
- b. Perfect Turf® Playground Padding (manufactured by Schmitz Foam) or Perfect Turf Unitary Base as manufactured by Pro-Techs Surfacing or approved poured in place rubber manufacturer

Or approved equivalent upon approval from the principal architect.

The synthetic turf material shall be in accordance with the following:

- a) The long fiber shall be a minimum 12,000 denier, minimum 240-micron thickness, 100% true monofilament polyethylene, low friction fiber, measuring not less than 1-3/8 inches high and not more than 1 5/8 inches high. The thatch fiber shall be a minimum 4,000 denier, minimum 140-

micron thickness, 100% polyethylene and polyester fiber. These material specifications will be confirmed by providing the following independent lab testing:

- a. ASTM D1577 Standard Test Method for Linear Density of Yarn by the Short Method (Denier)
 - b. ASTM D3218 Standard Specification of Polyolefin Monofilaments (Ribbon Thickness & Width)
 - c. ASTM D5823 Standard Test Method for Tuft Height of Pile Yarn Floorcoverings
- b) The polyester in the thatch zone fiber is required for anti-static properties. The silver-oxide based antimicrobial additives in the yarn are designed to keep the surface more sanitary for children. The “cool grass” reflective pigments in the yarn are designed to keep the turf cooler to the touch. Any synthetic turf without these properties built into the yarn will not be acceptable. Infills and/or sprays designed to provide these properties will not be acceptable.
- c) The PlayGround Turf 80™ fiber shall be a two-tone grass blade, green in color with a tan/green thatch fiber to simulate natural grass as closely as possible and treated with UV inhibitor, guaranteed for a minimum of ten years. The PlayGround Turf 80 Colors will be either all yellow, all red, all white or all blue, meaning the long blades and the thatch blades are all the same color.
- d) The tufted fiber weight (aka face weight) shall not be less than 80 ounces per square yard. The fiber shall be tufted on a 3/8" tufting machine. The low friction non-abrasive fiber shall be 100% monofilament polyethylene, treated with a UV inhibitor. These material specifications will be confirmed by independent lab testing:
- a. ASTM D5848-10e1 Standard Test Method for Mass Per Unit Area of Pile Yarn Floorcoverings
- e) The primary backing shall consist of a two-part polypropylene primary backing. The secondary backing shall consist of an application of a minimum of 20 ounces of coating per square yard heat activated to permanently lock fiber tufts in place. The total backing weight shall not be less than 26 ounces. The synthetic grass system shall be perforated at a minimum of 2" by 4" on center to provide for excellent drainage. Non-perforated systems shall not be acceptable alternates for purposes of this specification. The turf shall have a minimum drainage rate of 250 inches per hour. These material specifications will be confirmed by independent lab testing:
- a. ASTM F1551 Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials
- f) The carpet rolls shall be of sufficient length to go from side to side of the play area. Full head seams will not be acceptable unless as required to cut around equipment posts.
- g) The shock attenuation pad shall be a 100% recycled, post industrial cross linked, closed cell polyethylene-polyolefin foam material. The pad should allow for vertical and horizontal drainage. The pad should come with a 25-year manufacturer's warranty.
- h) The alternate shock attenuation layer of unitary rubber buffing's should be either EPDM, SBR or a combination mixed with aromatic or aliphatic urethane binder.
- i) The non-rubber infill shall be Synlawn Silica Sand or Synlawn Envirofill. No other infills will be accepted without prior written approval by the architect and/or owner.

PART 3 – EXECUTION AND INSTALLATION

The turf installer shall strictly adhere to the installation procedures outlined under these sections. Any variance from these requirements shall be accepted in writing by the manufacturer's representative, and submitted to the architect/owner, verifying that the changes do not in any way affect the warranty.

- a) The turf installer will accept the stone base substrate prior to the installation of the synthetic turf system. See Addendum A for common stone base profiles.
- b) Extreme care should be taken to avoid disturbing the substrate in regard to planarity.
- c) Playground pad shall be laid out and cut around the playground equipment so as not to leave gaps greater than 1/4" between the post and the pad. [Alternate poured rubber base layer should be poured to touch the equipment poles with no gaps between the posts and the rubber.]
- d) The full width rolls of synthetic grass shall be laid out across the area, utilizing standard state-of-the-art gluing procedures each roll shall be seamed to the next.
- e) This is a 100% glued installation. Sewing of seams will not be permitted. The seaming tape and glue shall be intended for installation of outdoor synthetic turf surfaces. The adhesive must be a polyurethane-based adhesive, latex-based adhesives are not acceptable.
- f) The synthetic turf will be fastened to perimeter nail boards with triple coated 1" construction lag screws every 4"-5" around the perimeter.
- g) The play area will be infilled with 1.5 - 2 pounds per square foot of rounded infill (or alternative infill as specified by the architect and/or owner) and brushed with a motorized rotary nylon broom to stand up the fibers and allow the infill to settle to the bottom of the turf upon completion of the installation.

PART 4 –MAINTENANCE AND WARRANTY

The bidder and/or the turf manufacturer must provide the following:

- a) The turf manufacturer shall provide a warranty to the owner that covers defects in materials and workmanship of the turf for a period of at least 10 years from the date of Substantial Completion. A ten (10) year "UV stabilization" warranty shall be included in the warranty.
- b) The manufacturer's warranty shall include damage caused from UV degradation. The warranty shall specifically exclude vandalism, acts of War and acts of God beyond the control of the owner, installer, general contractor or the manufacturer.
- c) The bidder shall provide a warranty to the owner that covers defects in the installation workmanship for a period of at least 2 years, and further warrant the installation was done in accordance with the manufacturer's recommendations.
- d) All turf warranties shall be limited to repair or replacement of the affected areas and shall include all necessary materials, labor, transportation costs, and other associated costs to complete said repairs. All warranties are contingent on the full payment by the owner of all pertinent invoices.
- e) The turf installer and/or manufacturer's rep will provide on-site maintenance training upon substantial completion of the project. Optional maintenance equipment will be demonstrated and discussed at that time.

Addendum A – Common Aggregate Base Profiles

Specifier note: these generic base profiles do not consider the site-specific characteristics that the specifier must consider. Drainage issues, subgrade condition, and environmental factors will all impact the decision as to which base profile will work best in any specific site. In all cases, we recommend aggregate be compacted in lifts every 2" (as opposed to the more common 4 inches) so to minimize settling problems in the future.

New Construction:

In most cases a 4-6" base of 3/8" chips compacted in 2" lifts will be sufficient for good drainage and providing a good foundation for the shock attenuation layer. If the shock attenuation layer is going to be recycled foam padding, the base layer should be compacted to a 90 proctor and laser graded for planarity. If the shock attenuation layer is going to be poured rubber buffing's, the base layer should be compacted to a 90 proctor, but it is not necessary to have the base laser graded, just level to the eye is sufficient.

Resurfacing:

Existing Poured Rubber to be Reused:

In cases where an existing poured rubber surface can be repaired and reused as a shock attenuation layer, savings of 25-40% can be achieved for the owner. The process is to repair as needed, test for fall height, then cover with synthetic turf and retest for fall height.

Conversion from Wood Fiber:

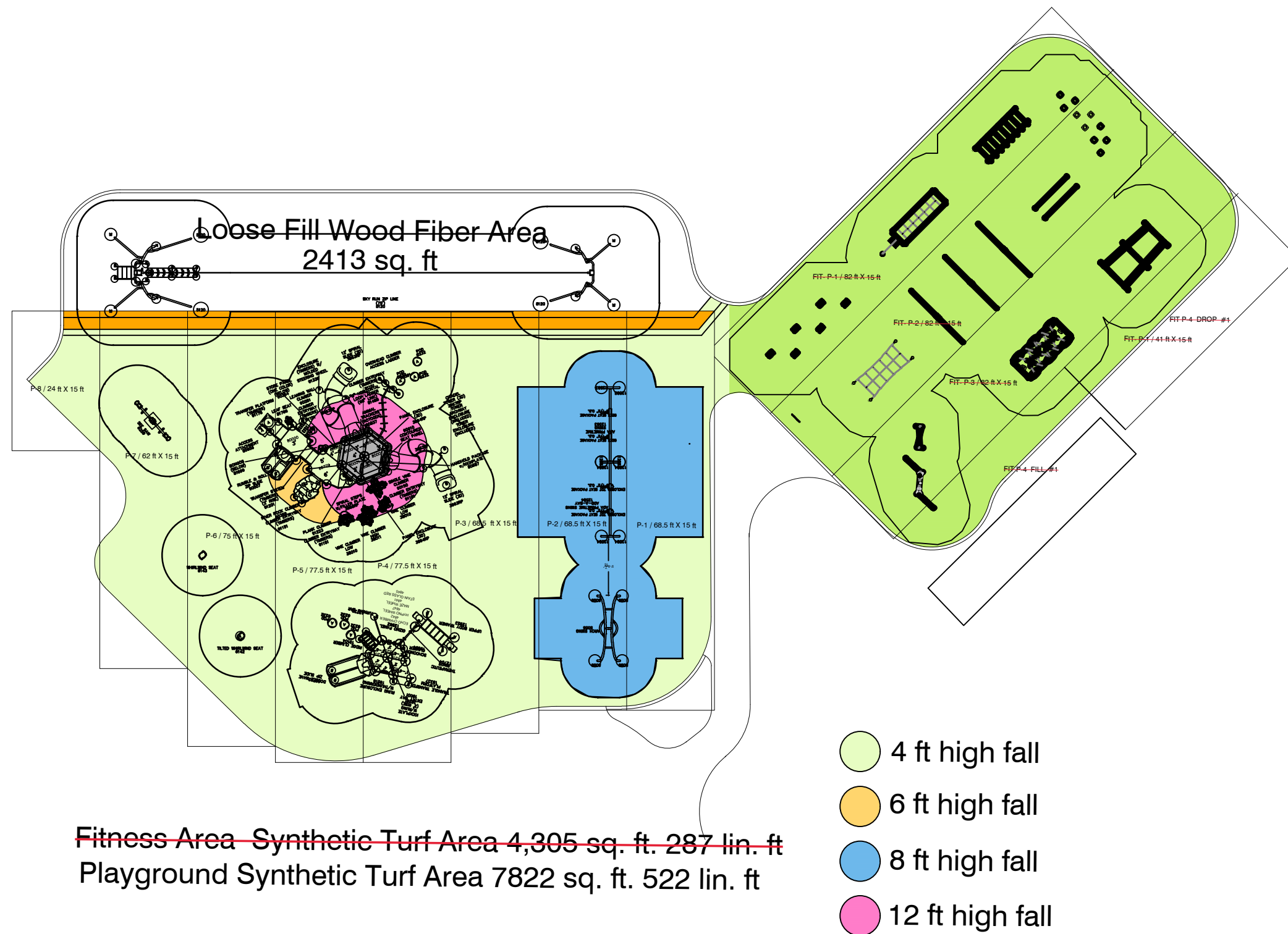
When the playground surface is being converted from wood fiber to synthetic turf, there is usually between 12" to 24" of base layer to fill. In these cases, layers of CA5 on the bottom, then CA7, then CA6 or CA16 (3/8" chips) can be used to fill the excavated area to the proper level.

An alternative of Vulcan 210 can be used to fill the area with a 1" layer of CA6 or CA16 at the top for planarity.

Quantity Specifications

A drawing showing the layout of the turf and proper fall height needed is listed as Drawing Specifications as a separate Document.

1. Turf Quantities (see Drawing Specifications)
 - 7,822.5 square feet of turf / 521.5 linear feet
 - Breakdown is for 8 rolls at the following dimensions:
 - 24ft x 15ft
 - 62ft x 15ft
 - 75ft x 15ft
 - 77.5ft x 15ft
 - 77.5ft x 15ft
 - 68.5ft x 15ft
 - 68.5ft x 15ft
 - 68.5ft x 15ft
2. Safety Foam/Backing for Fall Heights (see Drawings Specifications)
 - Safety Foam to cover 7,822 square feet while meeting all fall height requirements.
3. Infill – Minimum of 11,733 lbs to meet the requirements of 1.5 to 2 lbs per square foot.



Hoffman Estates Park District SOUTH RIDGE PARK PLAYGROUND FALL SURFACE DRAWING

SCALE = 1" = 20 ft

IMPORTANT

Owner Information

Includes:

GameTime Warranties

Ground Plan

Hardware Listing

Assembly and Installation Instructions



A PLAYCORE Company

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

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

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

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

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

PROTECTIVE SURFACING

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

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



Unitary poured in place rubber on playground



Loose-fill on playground

UNITARY SURFACING

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

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

LOOSE-FILL SURFACING

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



Raking loose-fill engineered wood fiber material

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



Exposed concrete footing (others)

PLAYGROUND EQUIPMENT

LOOSE-FILL SURFACING

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

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

PAINT/FINISH

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

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

MOVING PARTS

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



Excessively worn swing chain (others)



Maintained swing connection

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

DAMAGED EQUIPMENT

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

GENERAL EQUIPMENT MAINTENANCE RECOMMENDATIONS

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

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

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

WHO DO WE CALL FOR REPLACEMENT PARTS?

GameTime
 1.800.235.2440
www.gametime.com

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

WHO SHOULD INSTALL AND/OR MODIFY YOUR PLAYGROUND?

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

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

USE ZONES

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

Swings

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

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

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

Slides

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

Vegetation

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

AGE APPROPRIATE EQUIPMENT

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

SUPERVISION

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

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

CERTIFIED PLAYGROUND SAFETY INSPECTOR

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

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

150 PlayCore Drive, SE
Fort Payne, Alabama 35967
Telephone: 256/845-5610
Facsimile: 256/845-9361
Email: service@gametime.com



A PLAYCORE Company

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 PowerScope 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 MAINTENANCE 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 placed to eliminate conflicting traffic patterns.

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

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

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

FALL ZONES

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

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

EQUIPMENT SPACING

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

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

CATCH POINTS AND PROTRUDING HARDWARE

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

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

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

OPENINGS THAT CAN TRAP

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

CRUSH, SHEARING, AND SHARP HAZARDS

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

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

TRIPPING HAZARDS

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

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

ROUTINE MAINTENANCE

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

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

Regular maintenance is necessary on all park and playground equipment:

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

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

SUPERVISION

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

GENERAL

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

Never add components not intended for use with this product.

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

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

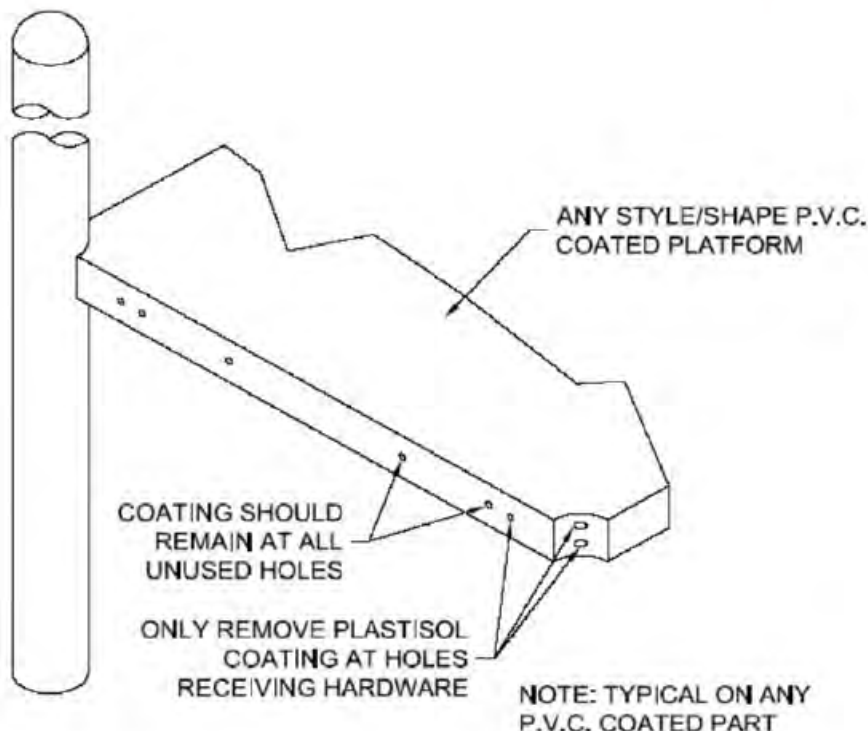
Assemble all slides on level ground to insure proper exit height of slide bed way. The exit portion of the bed way should slope downward.

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



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

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

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



USING THE INSTALLATION GUIDE AND OWNER'S MANUAL

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

UPRIGHT IDENTIFICATION

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

ASSEMBLY SUGGESTIONS AND IMPORTANT NOTES

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



Fact Sheet

U.S. Consumer
Product Safety
Commission

Washington D.C.
20207

Hotline:
1-800-638-2772



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:

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

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

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

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

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

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

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

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

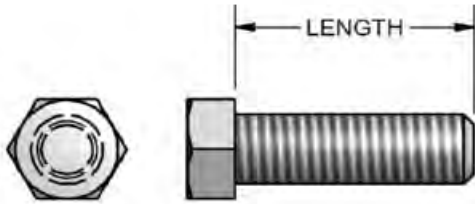
For more detailed information on playground safety, refer to the CPSC's Handbook for Public Playground Safety. To obtain a copy, send a postcard with your name, address, and name of the publication desired to: U.S. Consumer Product Safety Commission, Washington, D.C. 20207.

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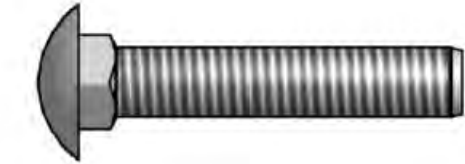
TYPICAL HARDWARE KEY

(FOR IDENTIFICATION OF PARTS)

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



HEX HEAD BOLT

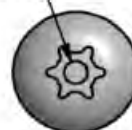


CARRIAGE BOLT

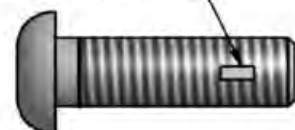


BUTTON HEAD CAP SCREW
(B.H.C.S.)

PIN-IN HEAD



EPOXY PATCH



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



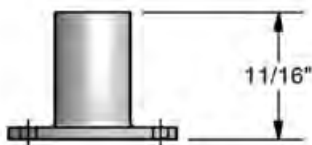
3/8" LOCKWASHER
(817334)



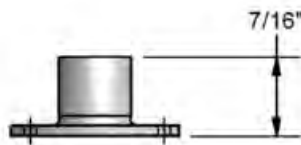
3/8" FLATWASHER
(817410)



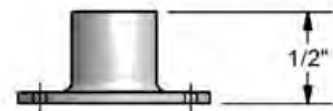
3/8" FLATWASHER
(1 1/4" O.D.)
(817424)



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



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



3/8" SPANNER
TEE-NUT
(804556)

TOOL LIST FOR YOUR GAMETIME® PLAYGROUND INSTALLATION

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

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

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

PowerScape®

GameTime®

A PLAYCORE Company

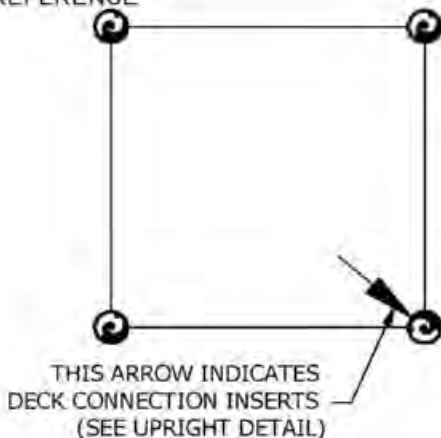
1-800-235-2440

ISSUED/REVISED: 3/14/2018

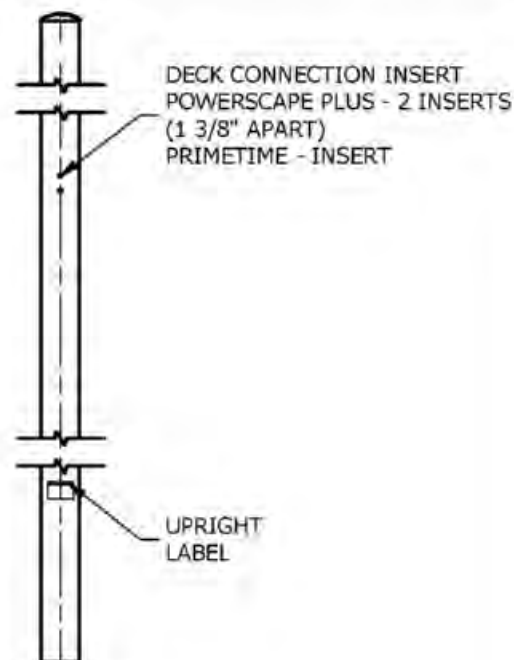
UPRIGHT LABEL DETAIL

⬡ = INSTALLATION
DETAIL

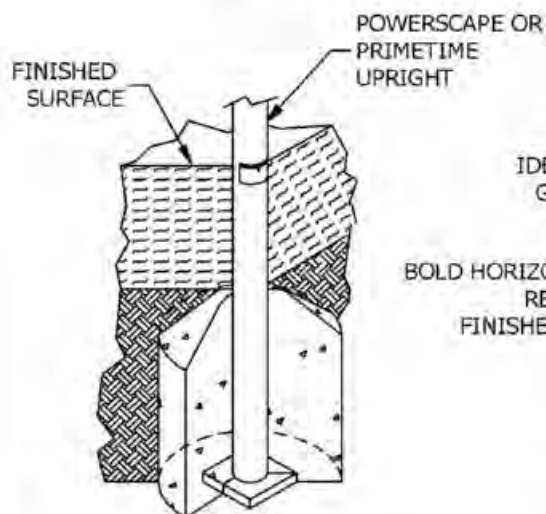
○ = PARTS LIST
REFERENCE



**MODULAR TOP VIEW
REFERENCE**



UPRIGHT DETAIL

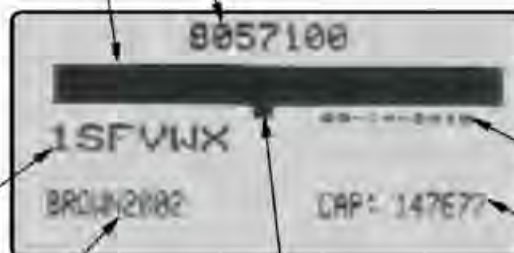


IDENTIFICATION OF
GAMETIME ORDER
NUMBER

BOLD HORIZONTAL LINE
REPRESENTS
FINISHED SURFACE

UPRIGHT PART
NUMBER

UPRIGHT COLOR



PRODUCTION
DATE

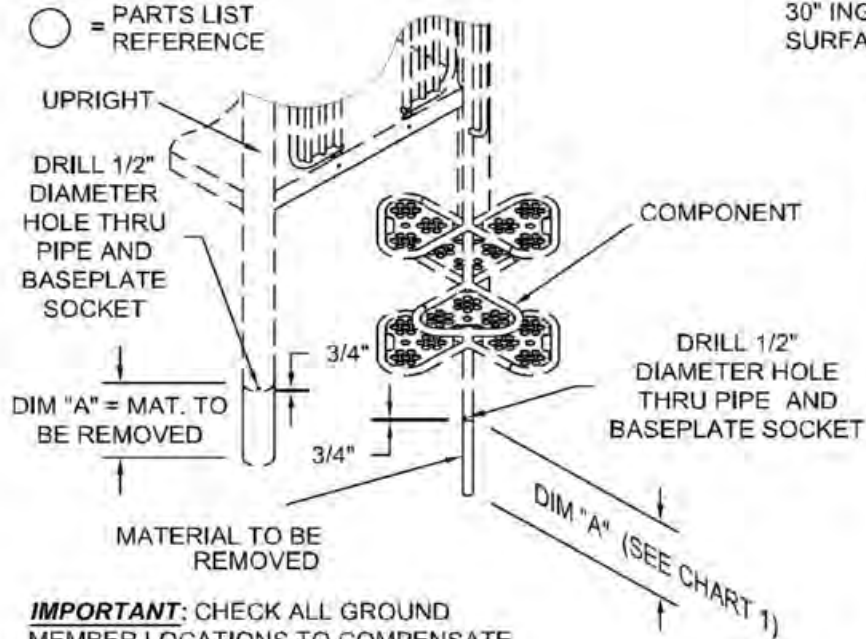
UPRIGHT CAP
NUMBER

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

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)



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

DETAIL 1

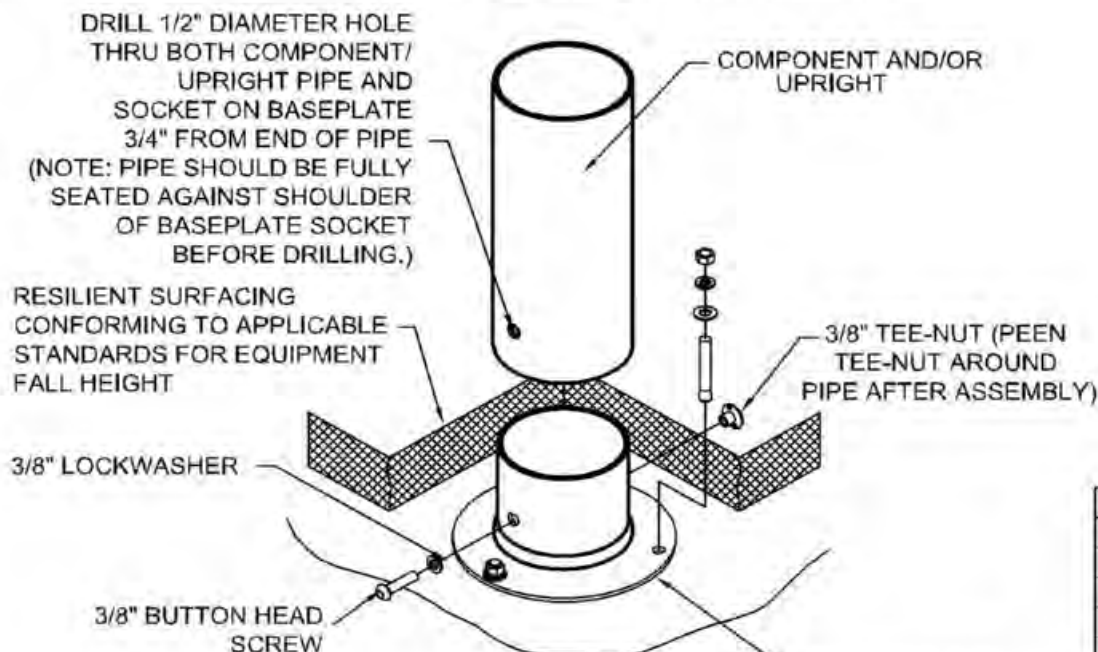
(FOR SURFACE MOUNT INSTALLATIONS)

CHART 1

SURFACING DEPTH	MATERIAL TO BE REMOVED	
	W/OUT EXT.	W/6" EXT.
2"	28 11/16"	22 11/16"
8"	22 11/16"	16 11/16"
12"	18 11/16"	12 11/16"

NOTES:

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



DETAIL 2

(SURFACE MOUNT PLATES)

CHART 2

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

SURFACE MOUNTS INSTALLATION INSTRUCTIONS

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

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

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

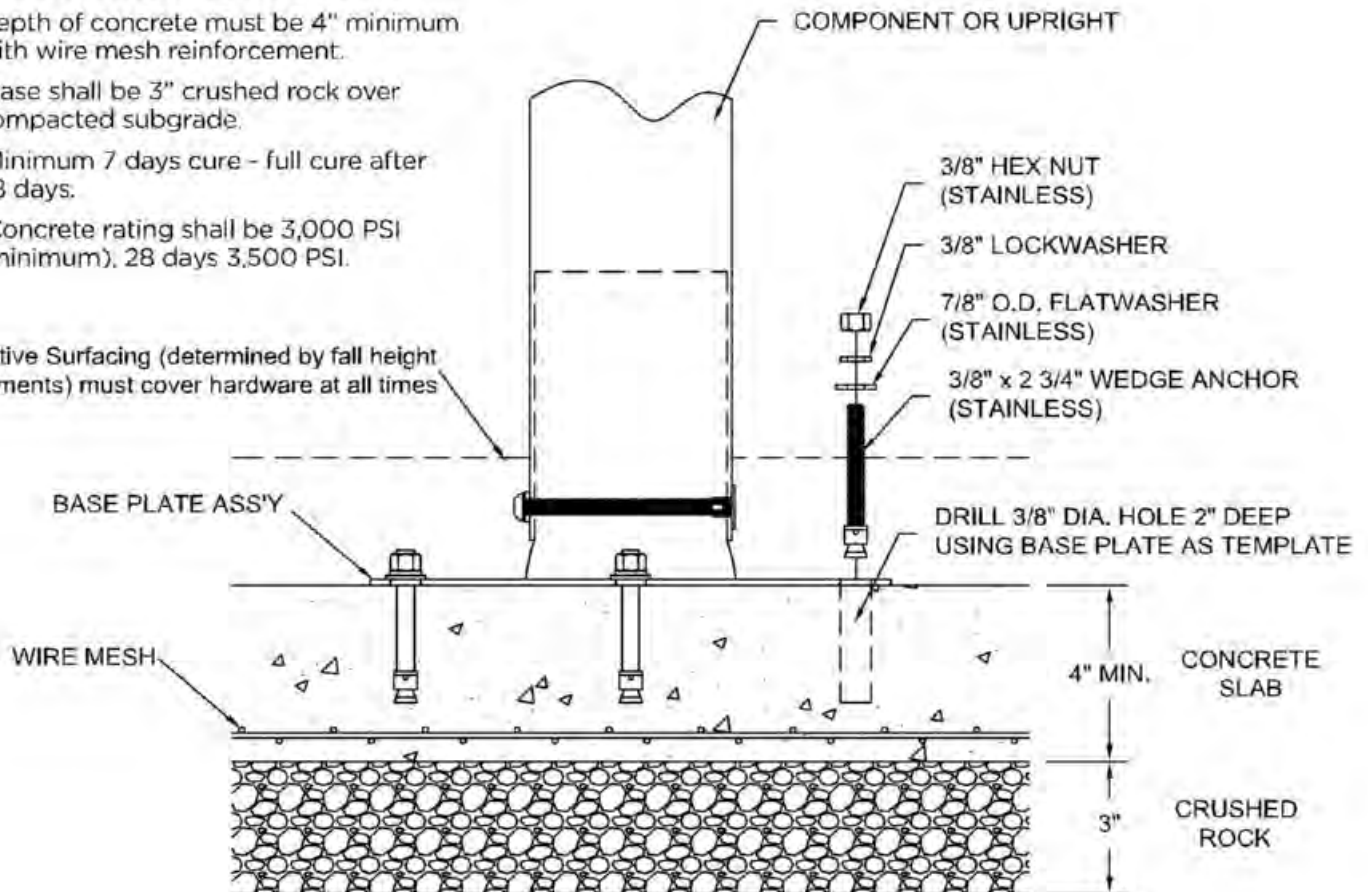
NOTE: Core holes can be created prior concrete pour by using pilling forms to create a void when pouring. See Detail 4.

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

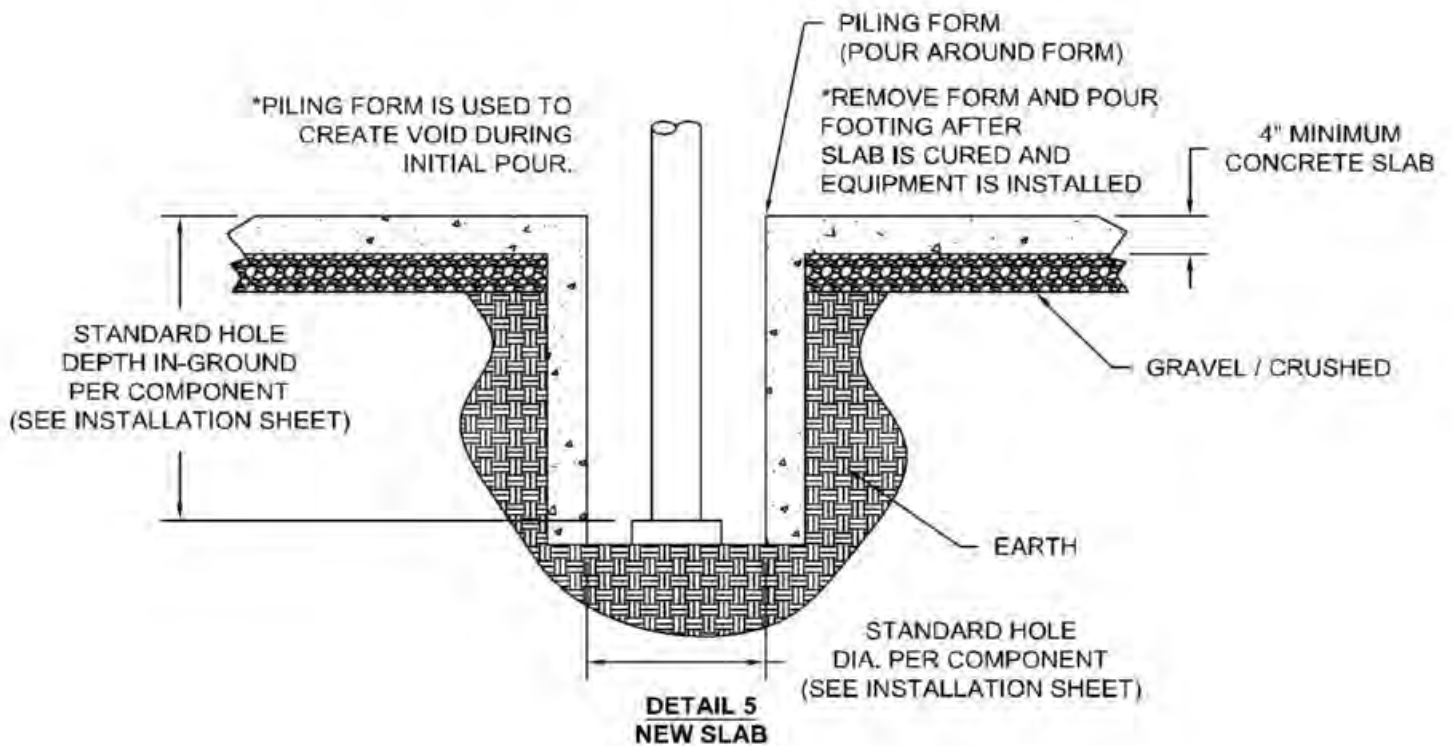
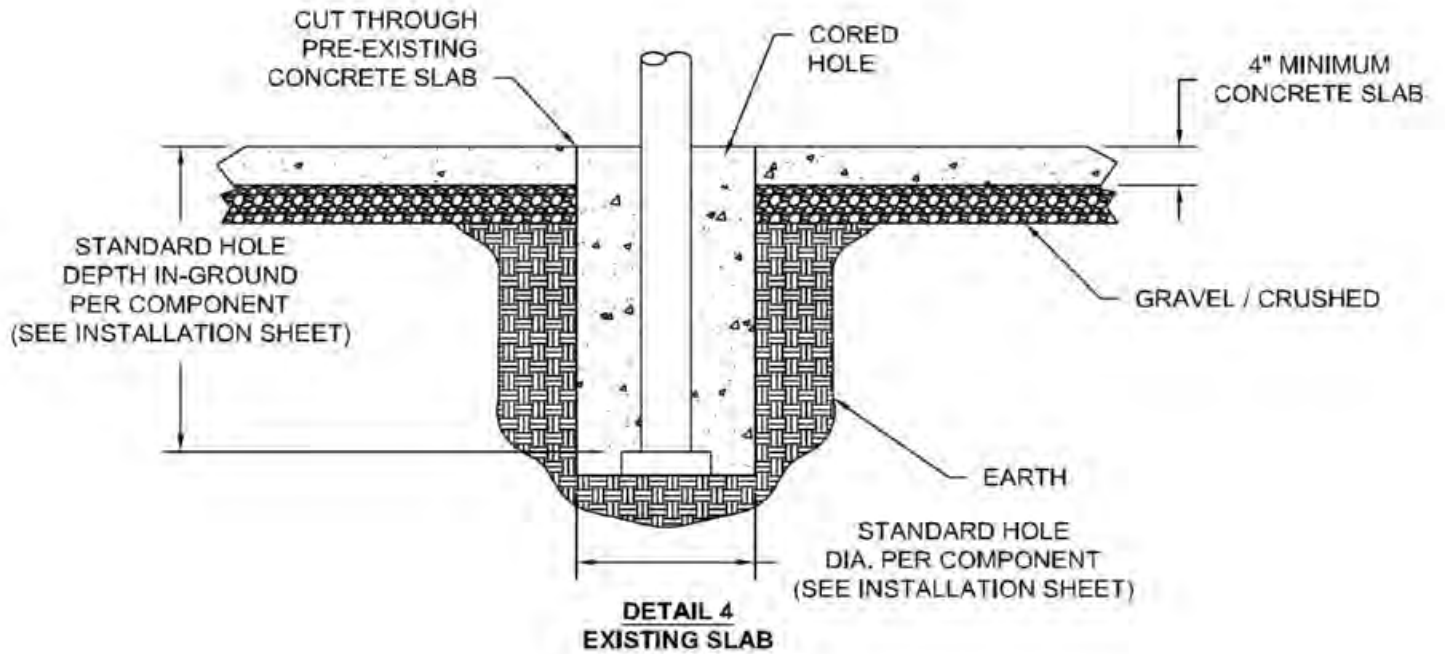
CONCRETE SPECIFICATIONS

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

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



**DETAIL 3
SIDE VIEW OF
SURFACE MOUNT**



GROUND PLAN INSTRUCTIONS

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

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

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

START POINT (X, Y Locator)

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

HOLE #1

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

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

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

HOLE #2

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

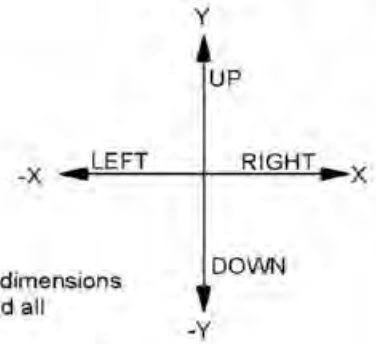
-With a second tape start at the "X" dimension and go in the "-Y" direction the distance specified in the "Y" column (-4'-0") of the Footings Ordinate Table for Hole #2.

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

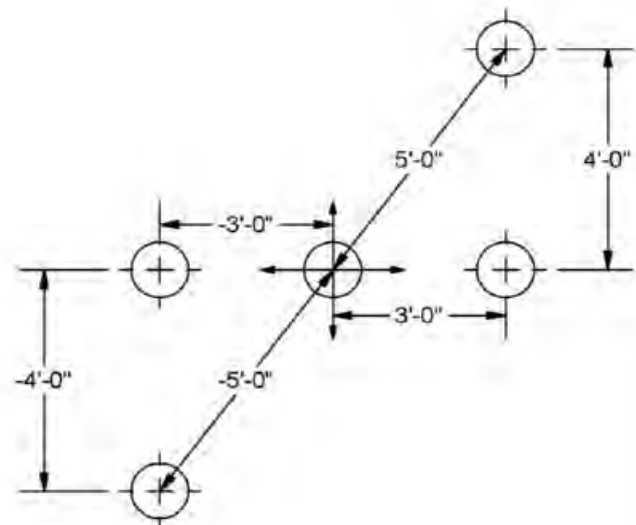
-When the "Y" dimension and the "DIAG" dimension meet this will be the center of Hole #2.

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

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



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



DEEPER INGROUND INSTALLATION INSTRUCTIONS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

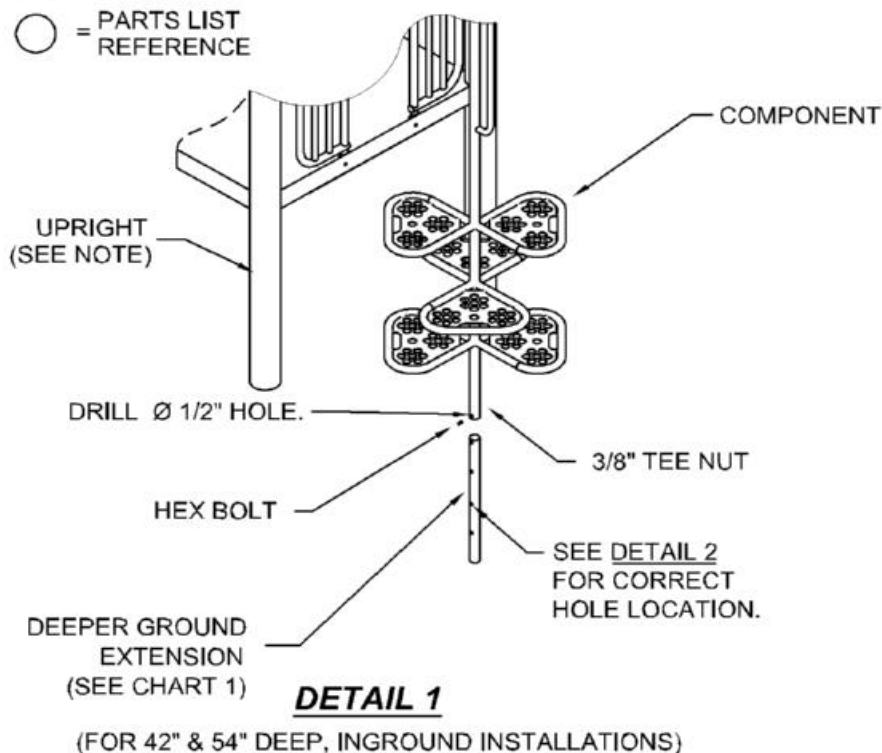
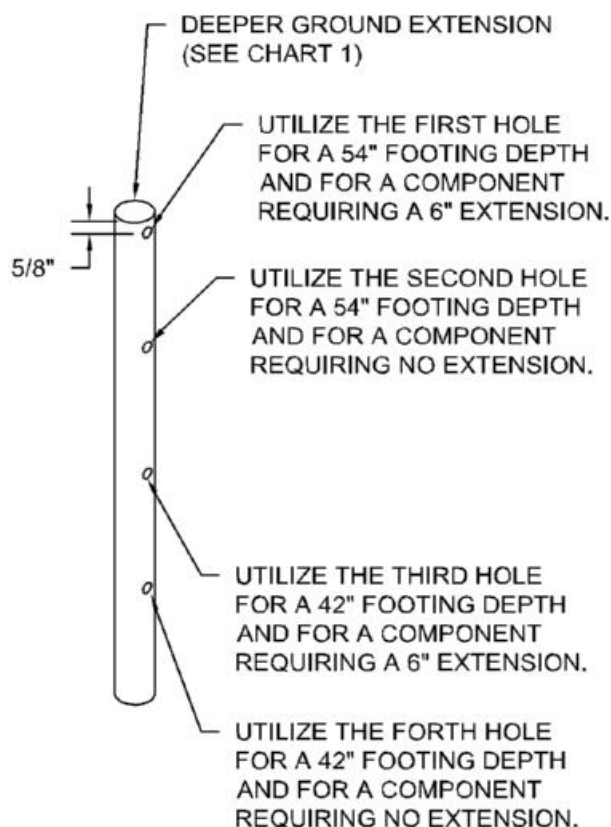


CHART 1

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



DEEPER INGROUND INSTALLATION INSTRUCTIONS

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

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

NOTE: Some In-ground 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 In-ground 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" in-ground Installations.

DETAIL 2



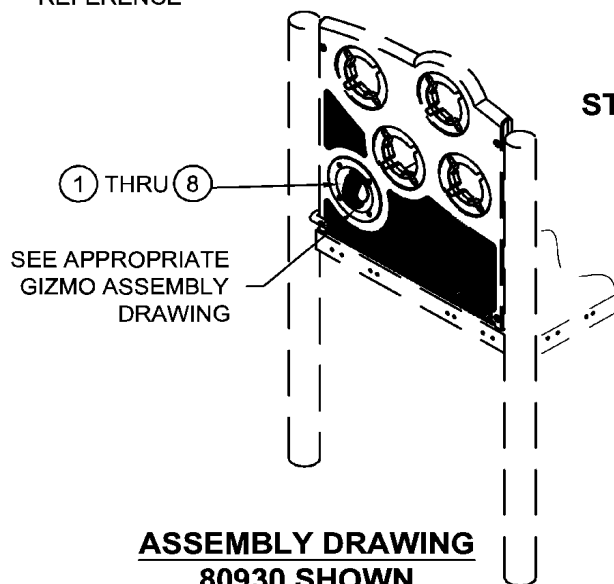
Enriching Childhood Through Play.
1-800-235-2440

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

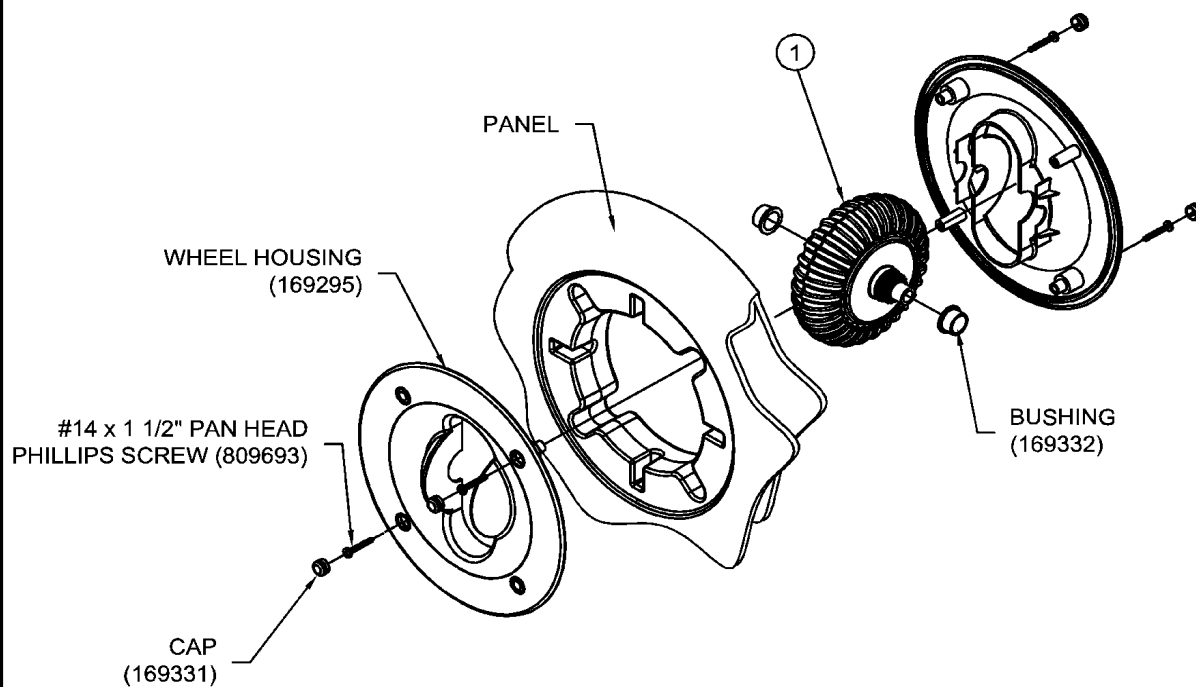
REF NO.	DESCRIPTION	4839	4840	4841	4842	4843	4845	4846	4847	PART NUMBER
1	Click Wheel Ass'y	1	0	0	0	0	0	0	0	169693
2	Answer Wheel Ass'y	0	1	0	0	0	0	0	0	169694
3	Maze Wheel Ass'y	0	0	1	0	0	0	0	0	169695
4	Echo Chamber Ass'y	0	0	0	1	0	0	0	0	169696
5	Flat Mirror Ass'y	0	0	0	0	1	0	0	0	169299
6	Stained Glass 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

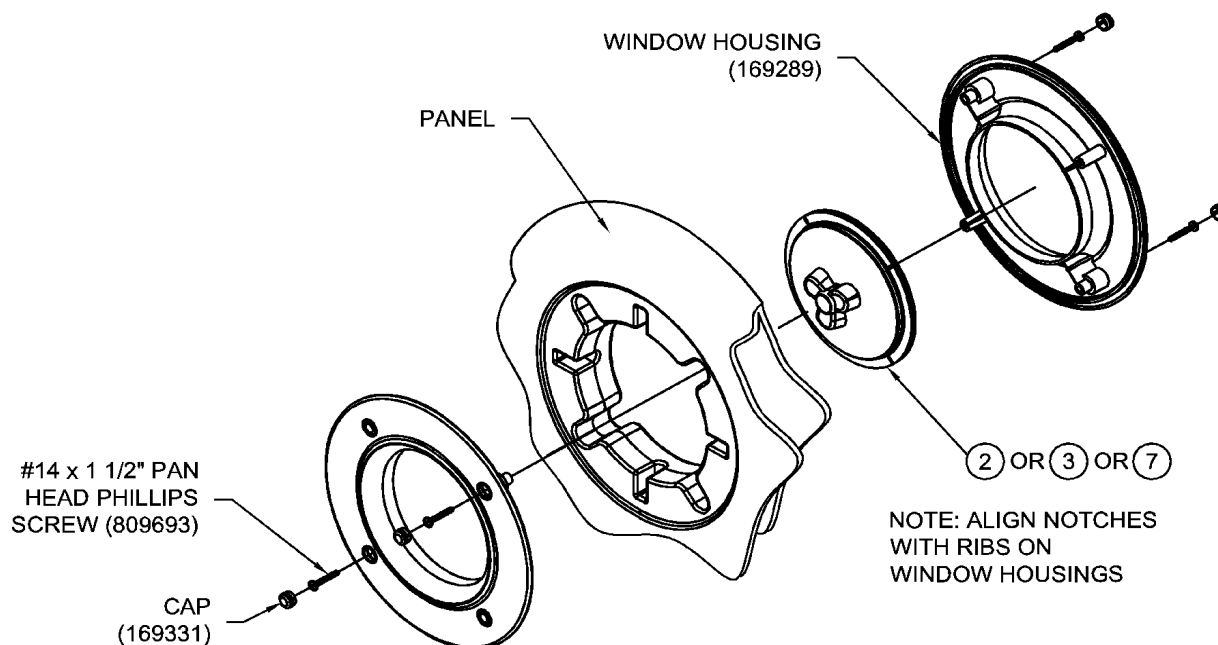
** Included in Assembly

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.

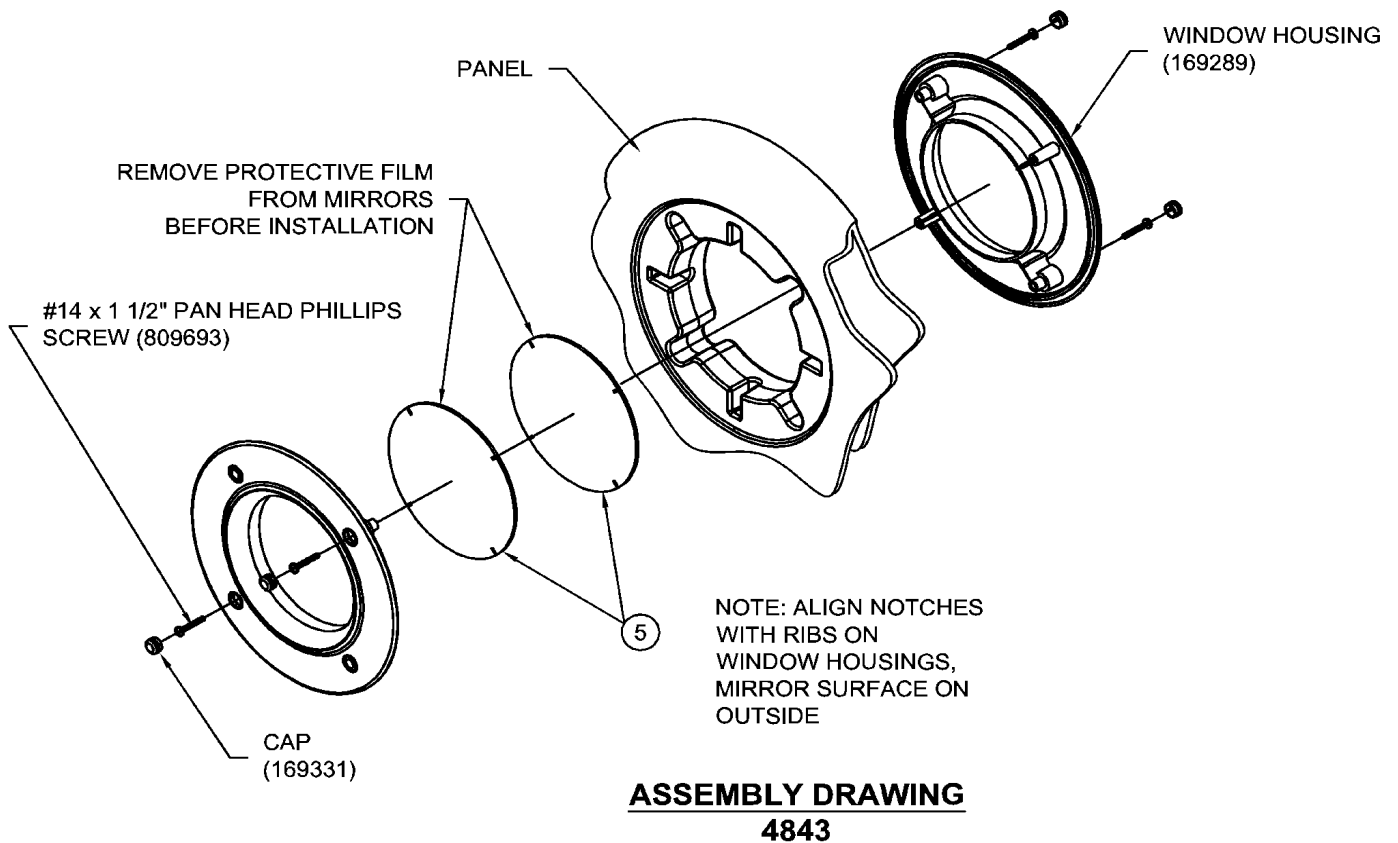
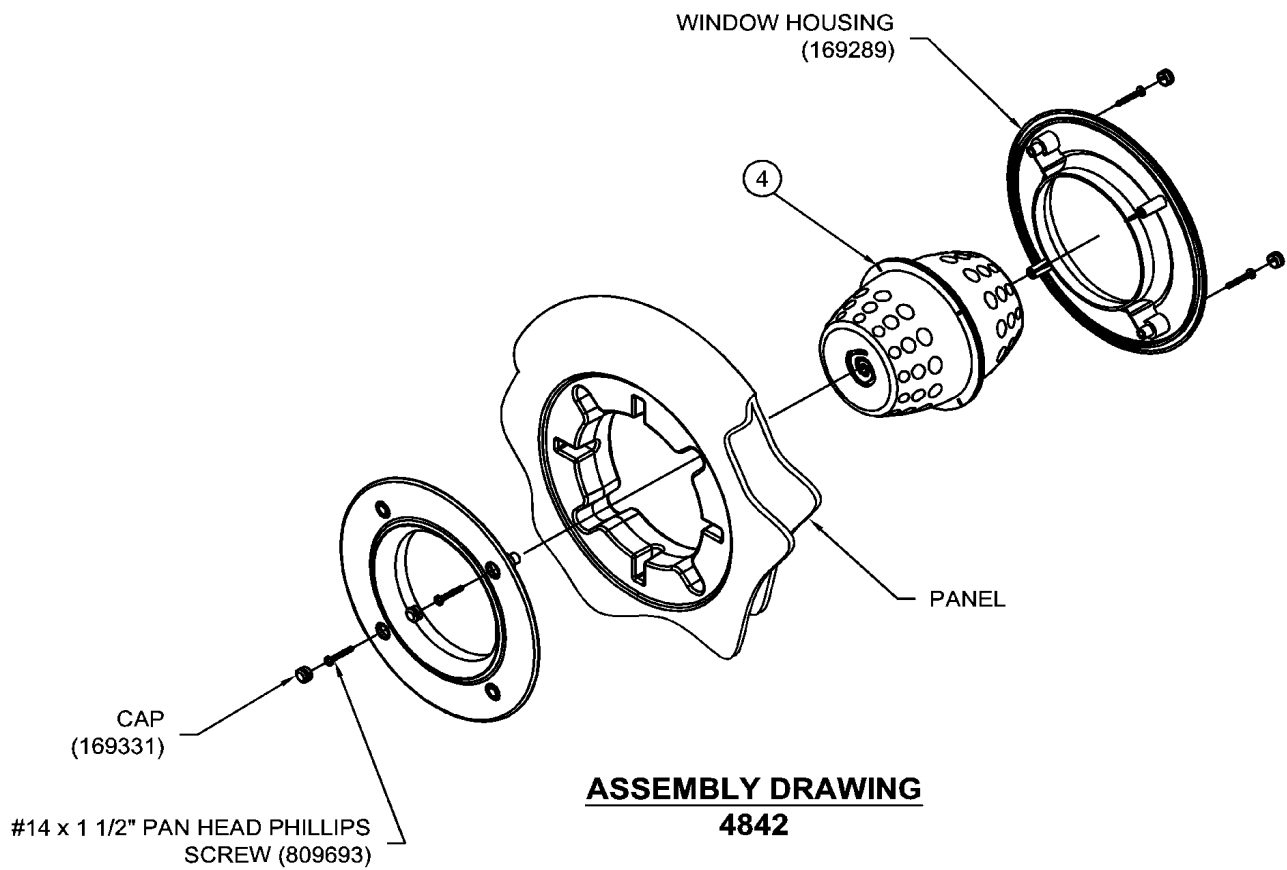
Note: Loctite (supplied by others) should be used on all threaded hardware.

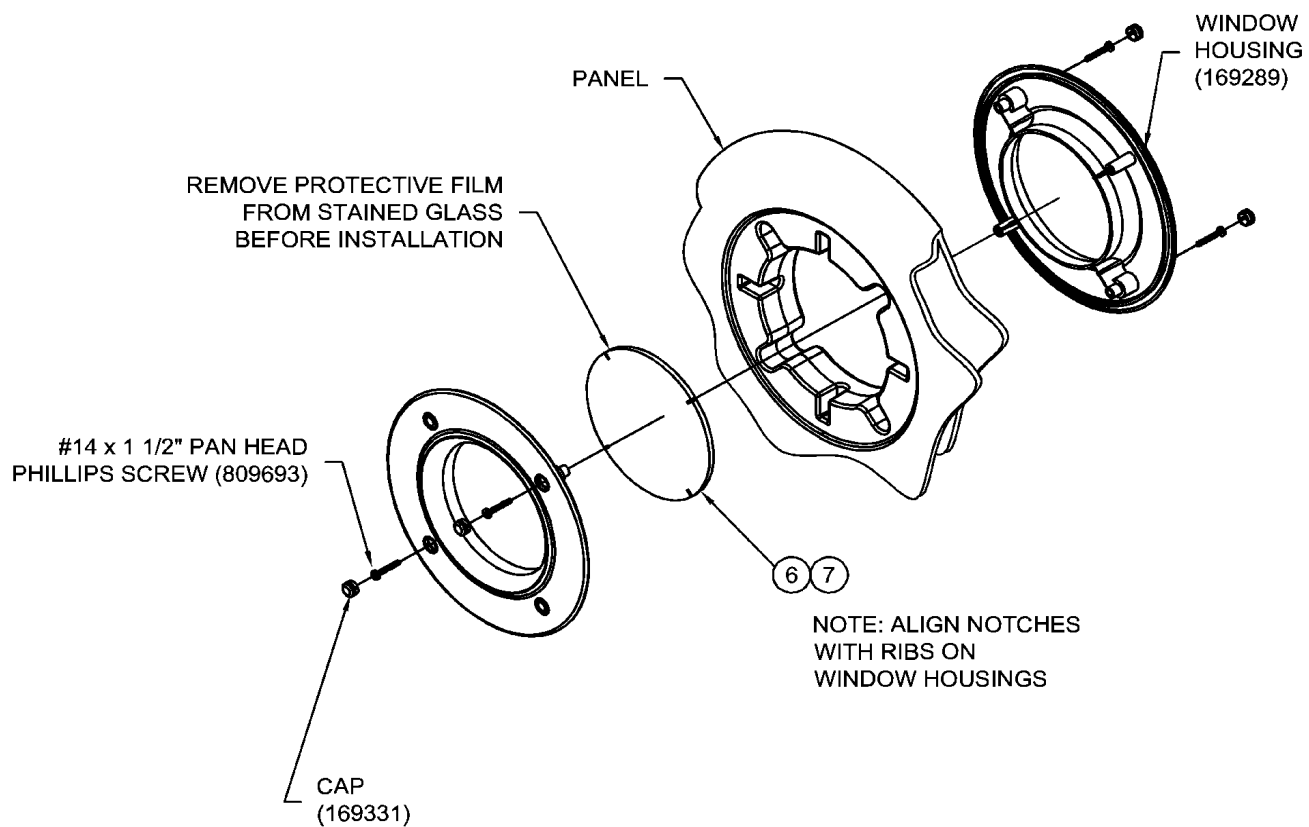


ASSEMBLY DRAWING
4839



ASSEMBLY DRAWING
4840/4841/4847





ASSEMBLY DRAWING
4845/4846



A PLAYCORE Company

1-800-235-2440

6232

POD

ISSUED/REVISED: 5/1/19

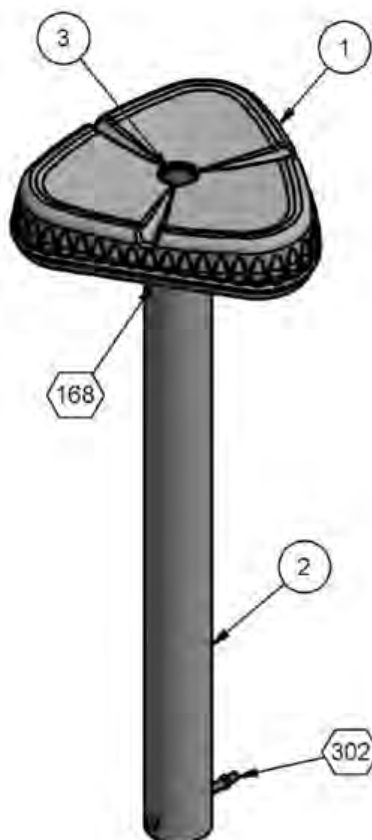
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE



6232



6233 & 6236

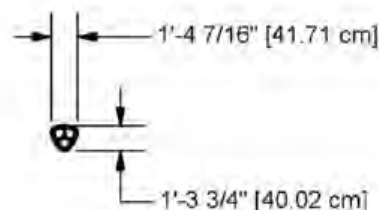


POD 1'-0"	6232
POD 2'-0"	6233
POD 2'-6"	6236

ASSEMBLY DRAWING
6232 SHOWN

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

*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS. FOR CANADIAN INSTALLATIONS ONLY, AN ADDITIONAL 1.8M LONG (MINIMUM) NO-ENCROACHMENT ZONE IS REQUIRED BEYOND THE PROTECTIVE SURFACING ZONE.



TOP VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- ☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- ☐ Equipment should be placed to eliminate conflicting traffic patterns.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- ☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- ☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- ☐ Never add components not intended for use with this product.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.
- ☐ Assemble all slides on level ground to insure proper run-off of slide bedway. The runoff portion of bedway should slope downward no more than 4 degrees.
- ☐ Examine bedway, bedrails, handrails for foreign objects, holes, and rough edges.
- ☐ Because metal slides left in the sun can cause burns, they should be placed in shaded areas whenever possible. Placing metal slides in a shaded location will also prevent them from reflecting the glare of the sun and interfering with children's vision.
- ☐ A soft resilient surface should be placed under all slides, extending at least six feet in all directions surrounding the slides. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

SPECIFICATIONS

MINI POD: The Mini Pod shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

FRAME: Shall be an all welded assembly fabricated of 3.500" O.D. galvanized steel tubing with a wall thickness of .095" and 11 gauge (.120") hot rolled flat steel that is formed. This assembly shall have a powder coat finish.

PLUG: Shall be fabricated of black butyl rubber with a durometer of 60.

HARDWARE: All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel.

Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

NOTE: All weights are based on average comparisons of each part.

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

SET-UP INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS FILE FOR FUTURE REFERENCE

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

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

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

NOTE: apply construction adhesive or rubber glue to Rubber Plug when installing.

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

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

STEP 1: Dig required hole. See Ground Plan for correct shape and size.

STEP 2: Insert the Plug into the Pod and fasten the Pod to the Post using Detail 168.

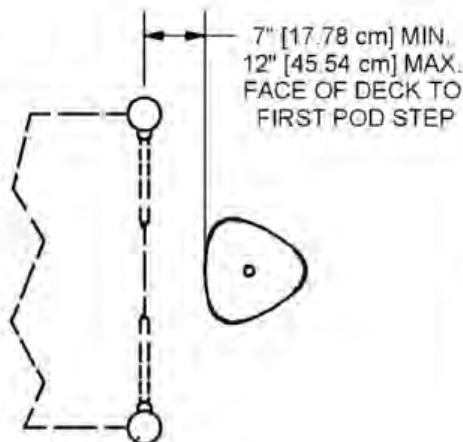
STEP 3: Fasten the carriage bolt to the Post as an anchoring device, using Detail 302.

STEP 4: Tighten all connections. Plumb and level the Pod and pour concrete. **ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE USE.**

Note: After Installation, the Pod height should be 1'-0" [30.48 cm], 2'-0" [60.96 cm] or 2'-6" [76.20 cm] above the protective surfacing.

NOTE: We suggest you retighten all bolts after the unit has been used three to four days.

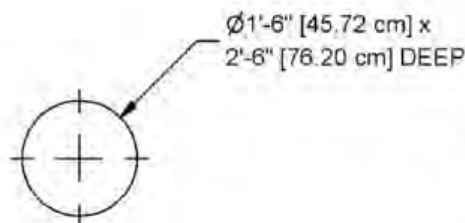
NOTE: Loctite (supplied by others) should be used on all threaded hardware.



TOP VIEW

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

CONCRETE REQUIRED
10 CUBIC YARDS
[.08 CUBIC METERS]



GROUND PLAN

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

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

NOTE:

SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

Parts List					
REF.	DESCRIPTION	6232	6233	6236	PART NUMBER
1	MINI POD	1	1	1	176364
2	POST WELD ASS'Y	1	0	0	205169
2	POST WELD ASS'Y	0	1	0	205172
2	POST WELD ASS'Y	0	0	1	209319
	HARDWARE COMPLETE	1	1	1	205176
3	PLUG TOP	1	1	1	176441*
	3/8" x 1" B.H.C.S.	4	4	4	811050*
	3/8" FLAT WASHER	4	4	4	817410*
	3/8" LOCK WASHER	4	4	4	817334*
	3/8" HEX NUT	1	1	1	804053*
	3/8" x 6" HEX HEAD BOLT	1	1	1	801021*

*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.

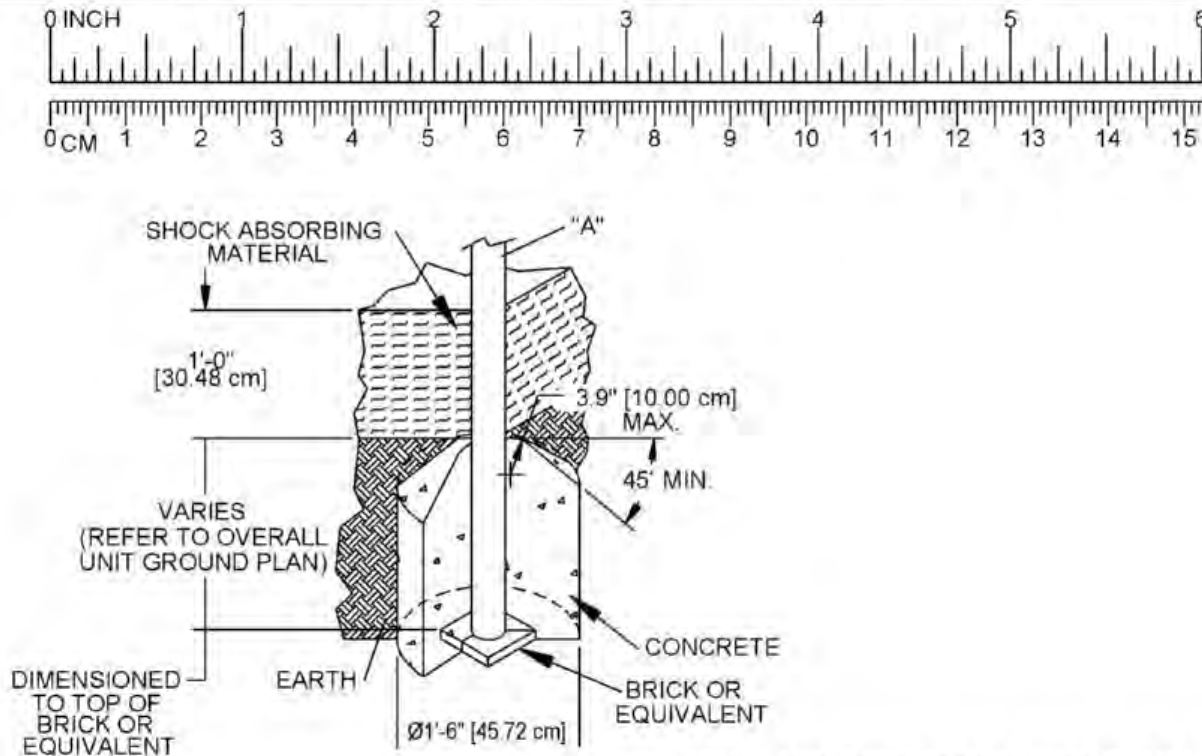
DETAILS -for- 6232, 6233 & 6236

IMPORTANT

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

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

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

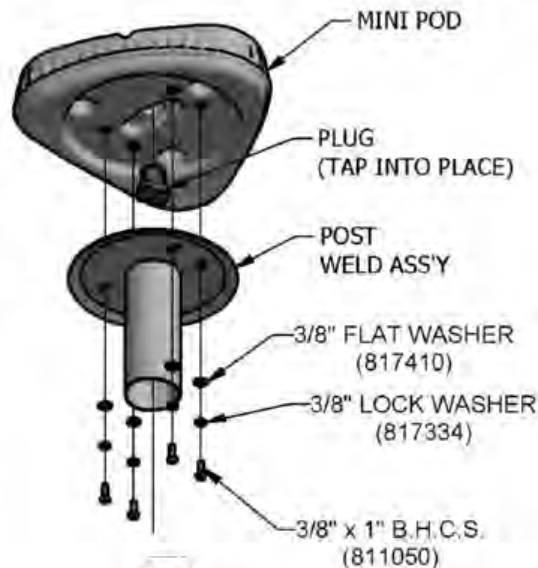


NOTES:

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

032

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



168

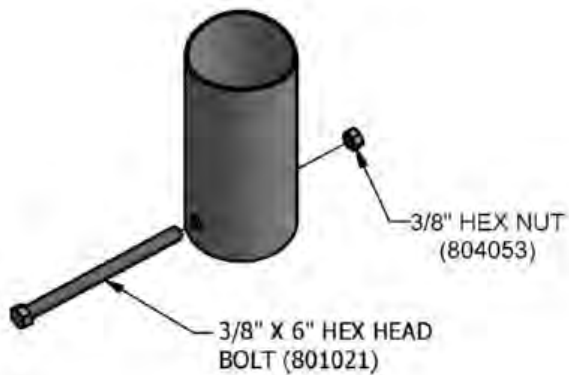
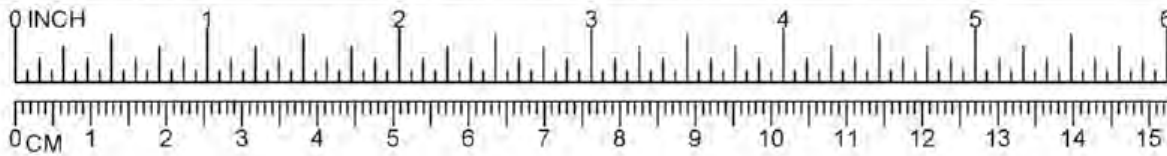
DETAILS -for- 6232, 6233 & 6236

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.

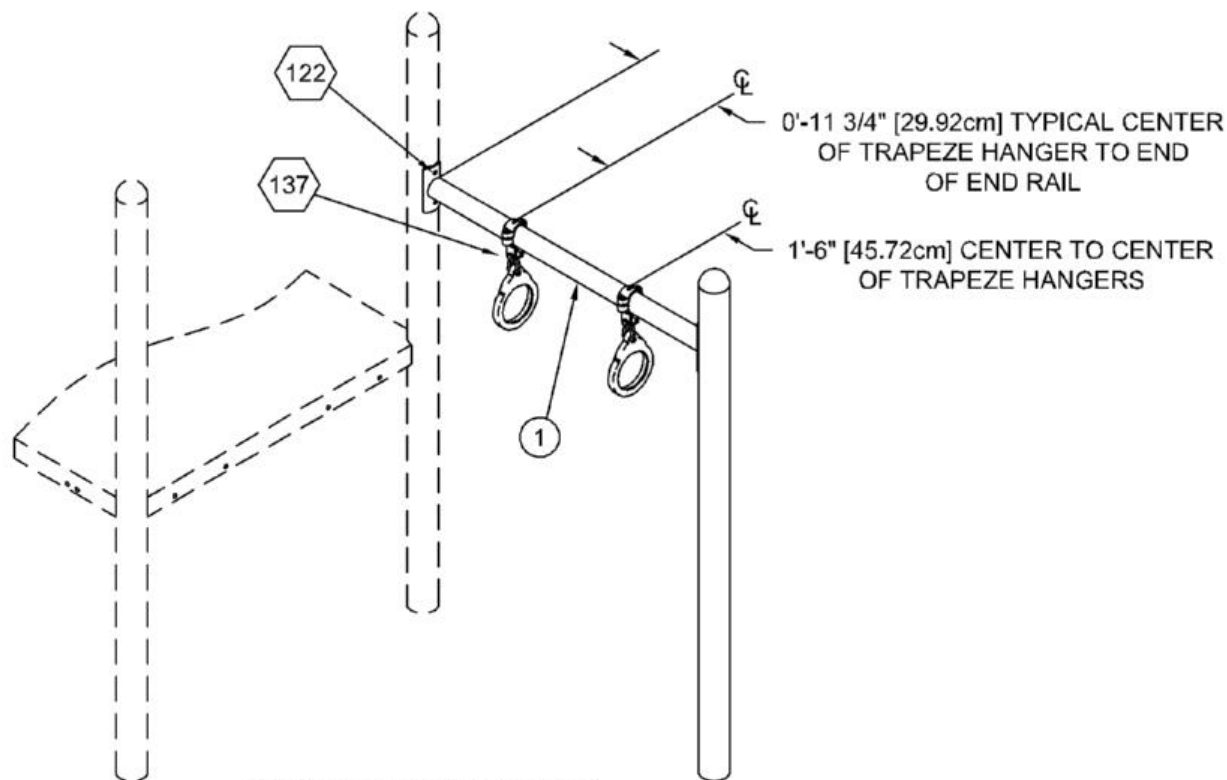
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



302

 = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

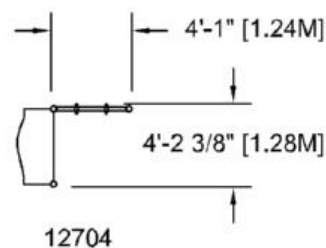
**NOTE: 12704 ATTACHMENT
12706 LINK**



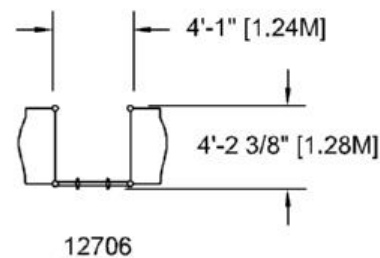
ASSEMBLY DRAWING
12704 SHOWN

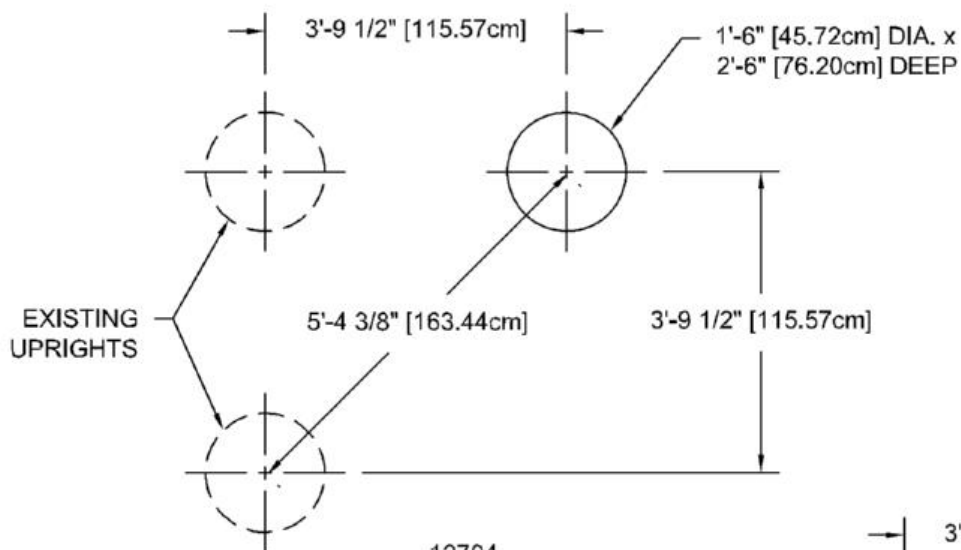
INSTALLATION INSTRUCTIONS

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



TOP VIEWS

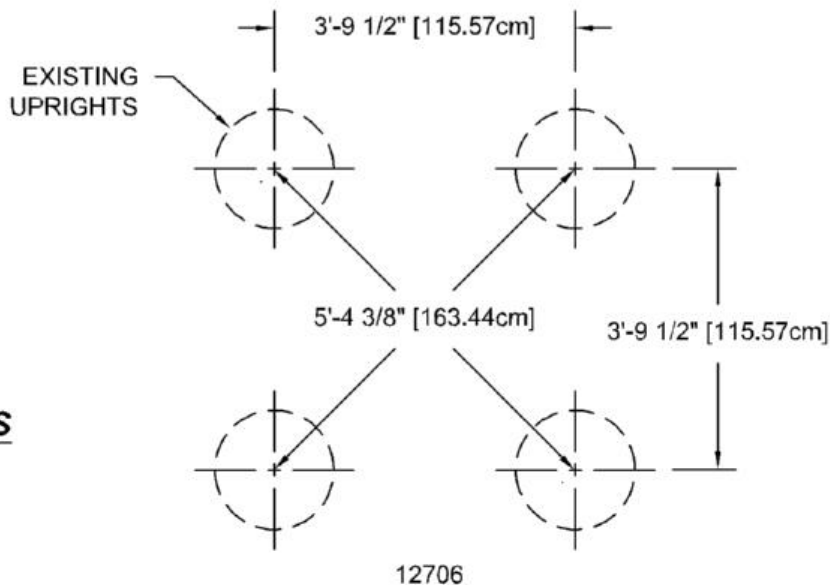




CONCRETE REQUIRED
for 12704:
.10 CUBIC YARDS
[.08 CUBIC METERS]

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 PLANS



PARTS LIST

REF. No.	DESCRIPTION	NO REQ		PART NUMBER
		12704	12706	
1	Cross Bar	1	1	159566
	Hardware Complete	1	1	159813
	3/8" Lockwasher	4	4	817334*
	3/8" x 1 1/4" B.H.C.S.	4	4	811051*
	3/8" x 2" Carriage Bolt	4	4	800256*
	3/8" Lock Nut	4	4	804353*
	3/8" x 1 1/4" Shoulder Bolt	2	2	811227*
	1/2" x 2 1/2" Hex Head Bolt	2	2	801200*
	1/2" Lockwasher	2	2	817342*
	1/2" Hex Nut	2	2	804055*
	Pendulum	2	2	177721*
	Top Clevis	2	2	157000*
	Bottom Clevis	2	2	157014*
	5/16" Jam Nut	2	2	804100*
	Trapeze Ring	2	2	109*
	3/8" Flatwasher	4	4	817410*

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

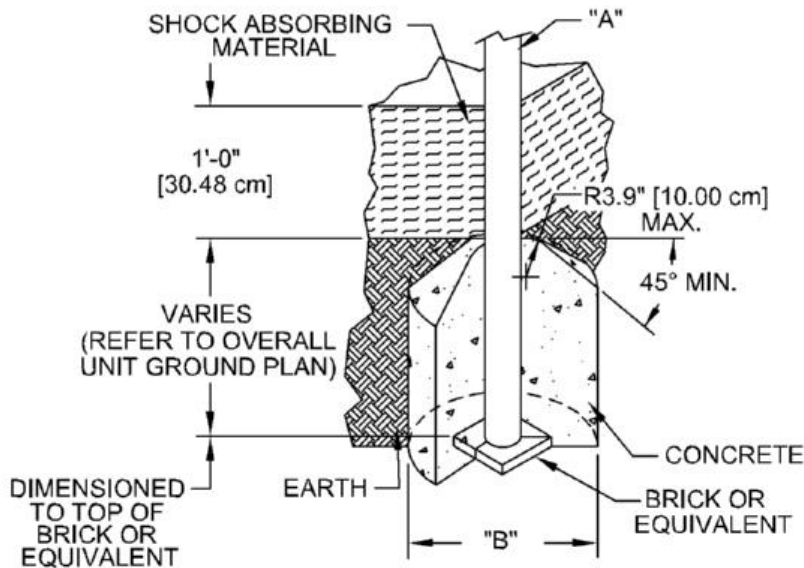
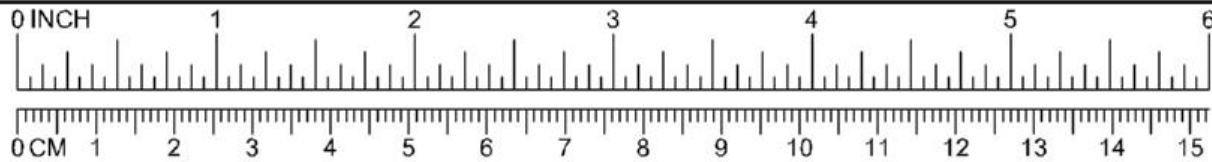
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 12704 & 12706

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.

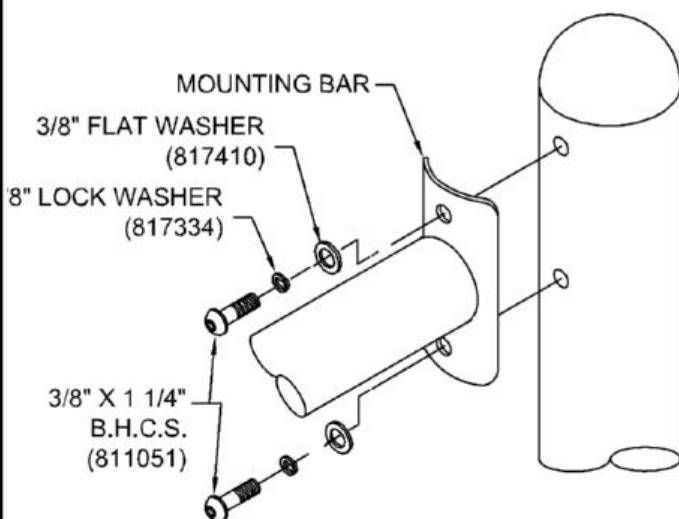


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

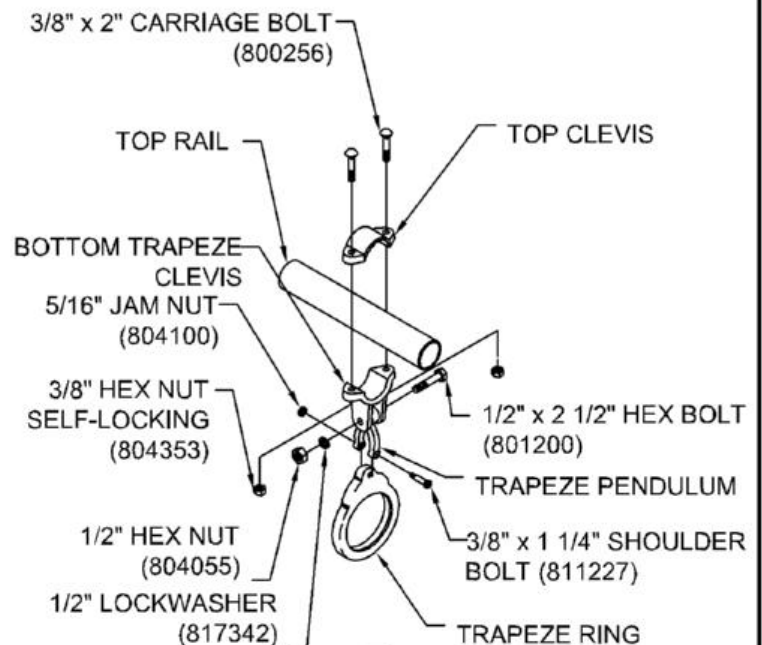
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



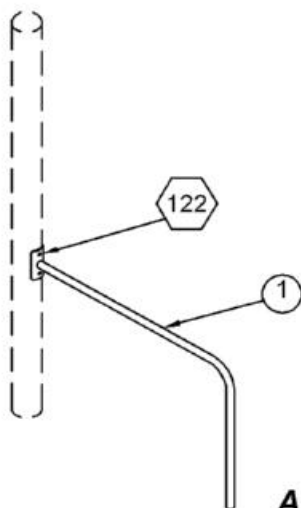
122



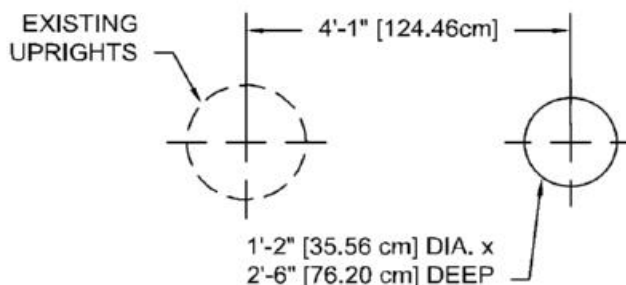
137

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



ASSEMBLY DRAWING



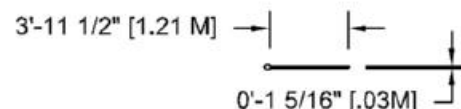
GROUND PLAN

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.

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



TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Turning Bar	1	160401
	Hardware Complete	1	151404
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" Lockwasher	2	817334*
	3/8" Flatwasher	2	817410*

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

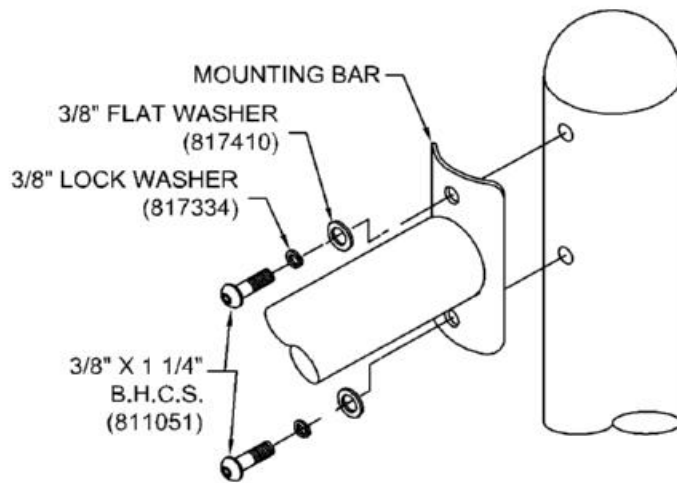
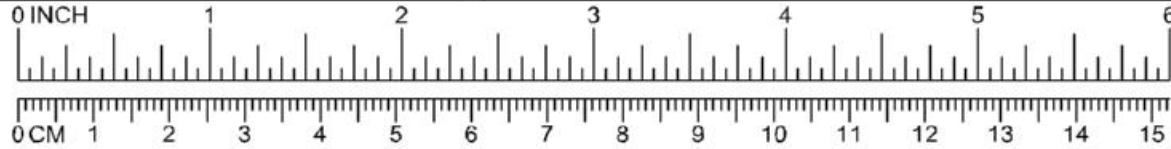
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 12729

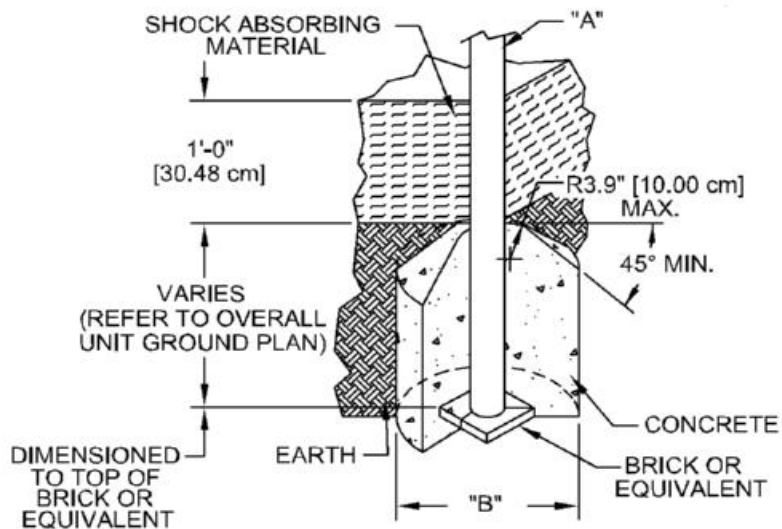
IMPORTANT

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.



122



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]

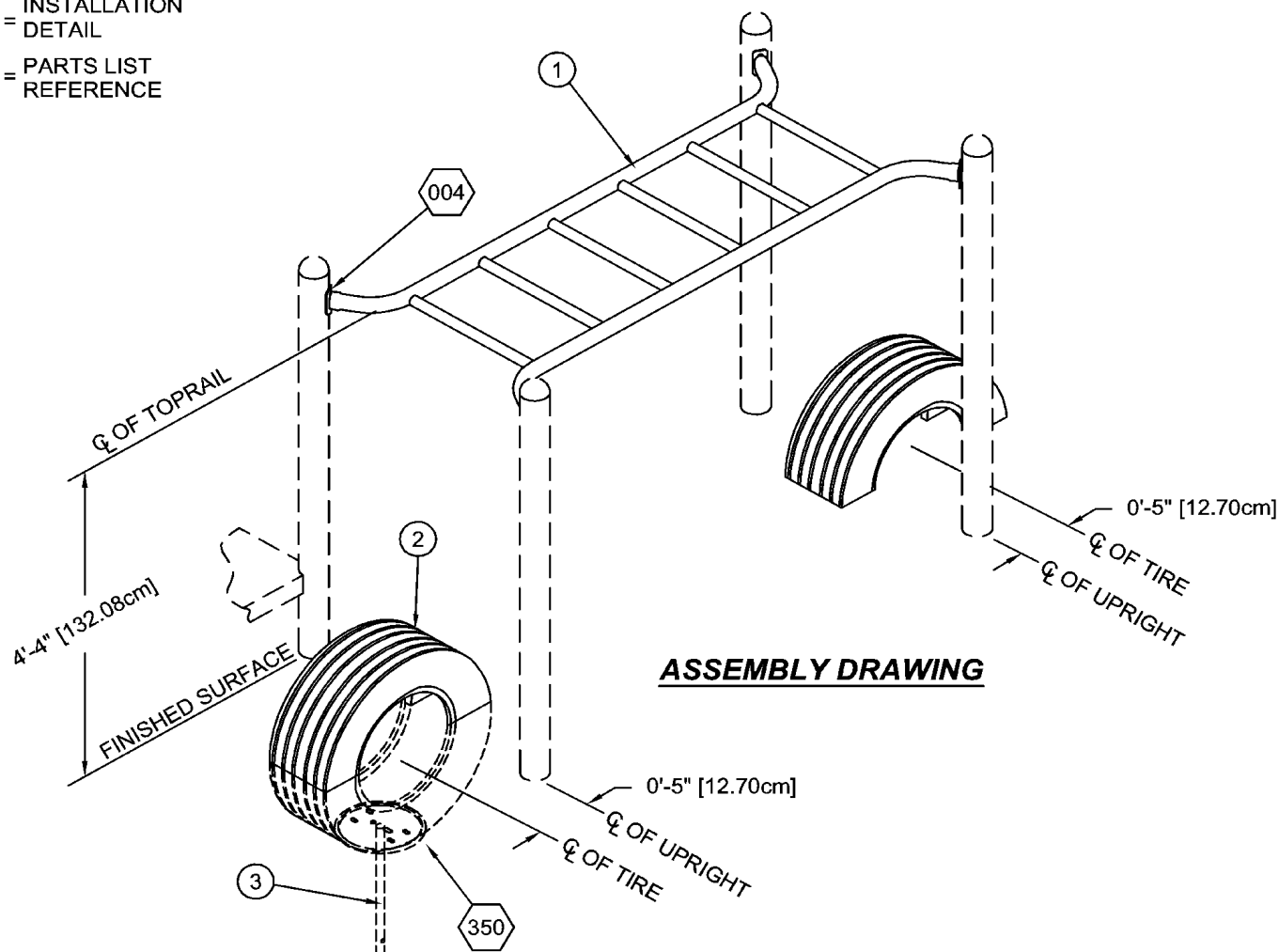
NOTES:
-SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
-SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.

⬡ = INSTALLATION
DETAIL

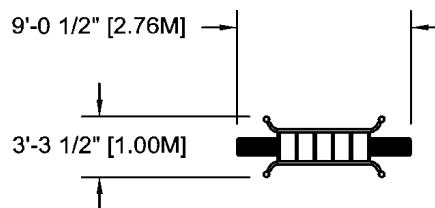
○ = PARTS LIST
REFERENCE



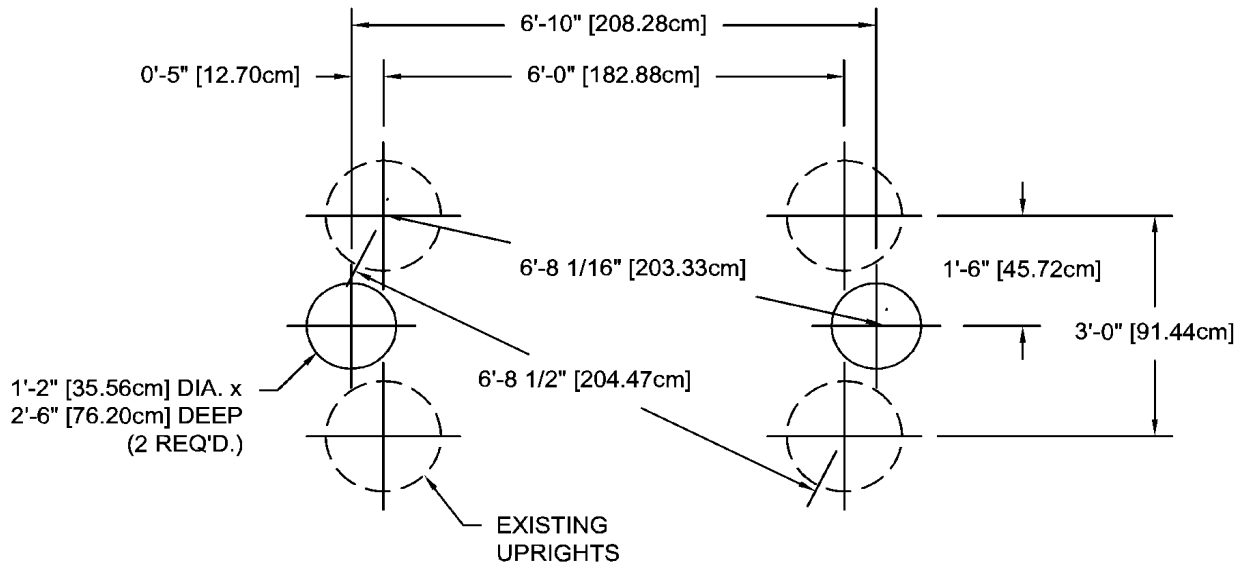
ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

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



TOP VIEW



Concrete Required:
.12 Cubic Yards
[.09 Cubic Meters]

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.

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Horizontal Ladder	1	151142
2	Tire	2	167017
3	Footbuck	2	167013
	Hardware Complete	1	167009
	3/8" x 1-1/4" B.H.C.S.	4	811051*
	3/8" x 1-1/4" Hex Head Bolt	8	801004*
	3/8" Lockwasher	12	817334*
	3/8" Flatwasher (1-1/4" O.D.)	16	817424*
	3/8" Hex Nut	8	804053*

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

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

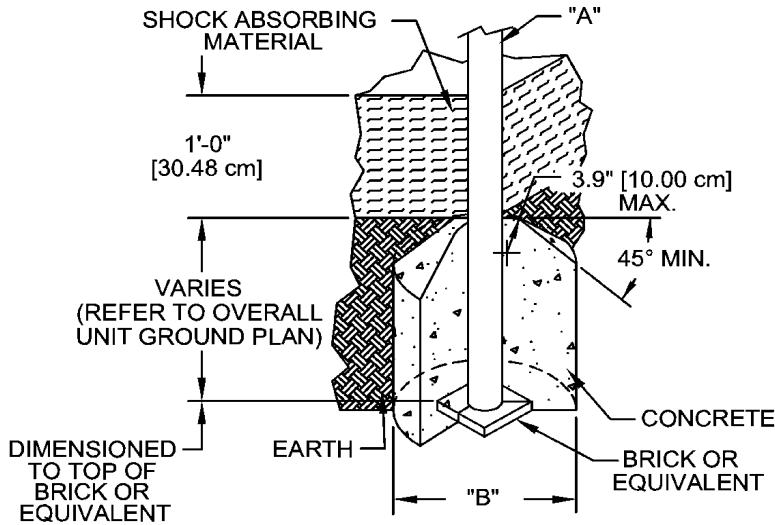
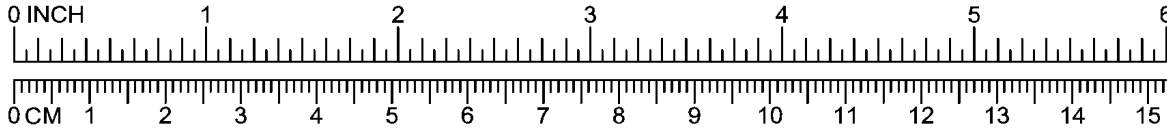
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 12923

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.



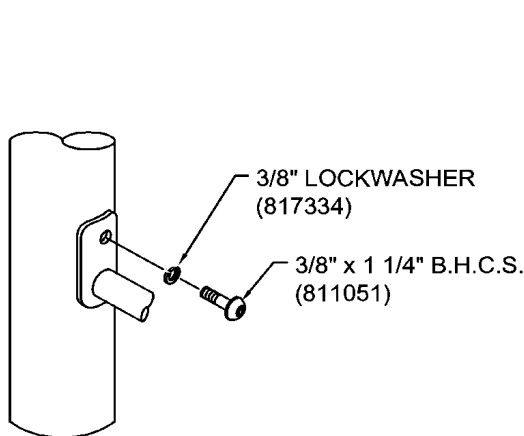
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

NOTES:

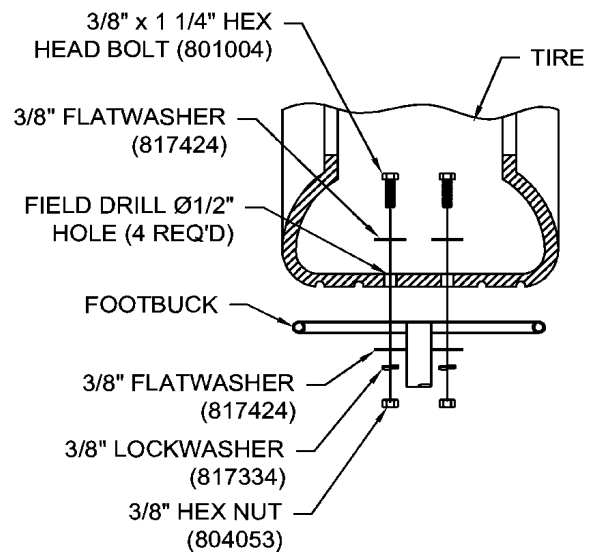
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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



350

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

FOR GIZMOS, SEE INSTALLATION SHEET 4839

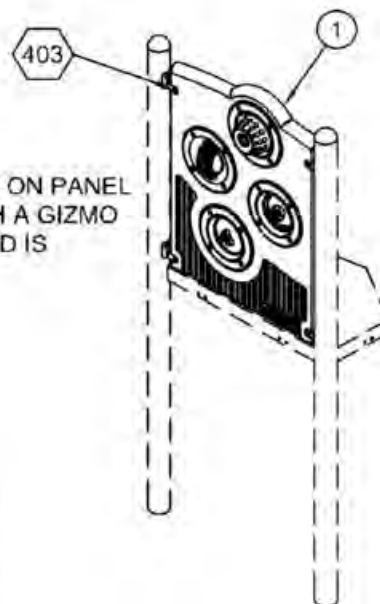
PT 36"	12962
PT 45 1/2"	12963
ADA	12968

INSTALLATION INSTRUCTIONS

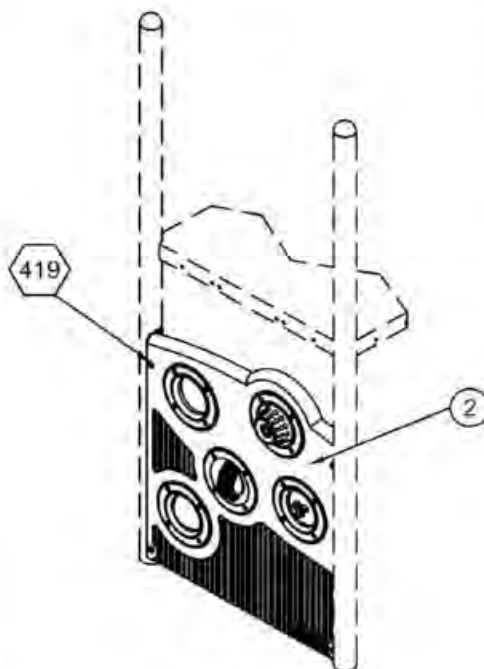
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

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

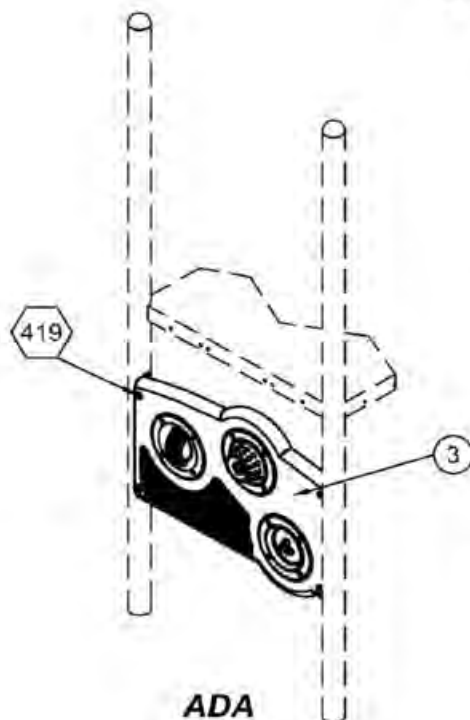
NOTE: ALL OPENINGS ON PANEL MUST BE FILLED WITH A GIZMO BEFORE PLAYGROUND IS OPERATIONAL.



PT 36"
12962

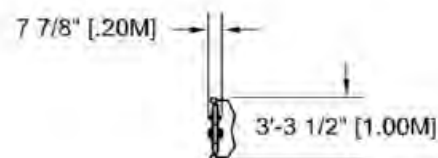


PT 45 1/2"
12963

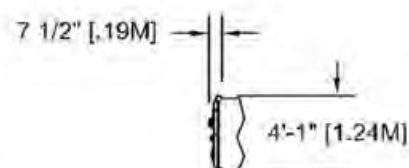


ADA
12968

ASSEMBLY DRAWINGS



12962



12963 & 12968

TOP VIEWS

PARTS LIST

REF NO.	DESCRIPTION	NUMBER REQUIRED			PART NUMBER
		12962	12963	12968	
1	PrimeTime Gizmo Panel	1	0	0	169277
2	PS + Gizmo Panel	0	1	0	169275
3	PS + Gizmo Panel ADA	0	0	1	169276
4	Single Gizmo Panel	0	0	0	169416
	Formed Tab	4	0	0	169702
	Formed Tab	0	4	4	169926
	Hardware Complete	1	0	0	169707
	Hardware Complete	0	1	1	214377
	3/8" Tee-nut	4	4	4	804556*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	811051*
	3/8" x 2" B.H.C.S.	4	0	0	811055*
	3/8" x 2 1/2" B.H.C.S.	0	4	4	811057*
	3/8" Lockwasher	8	8	8	817334*
	3/8" Flatwasher	8	8	8	817410*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

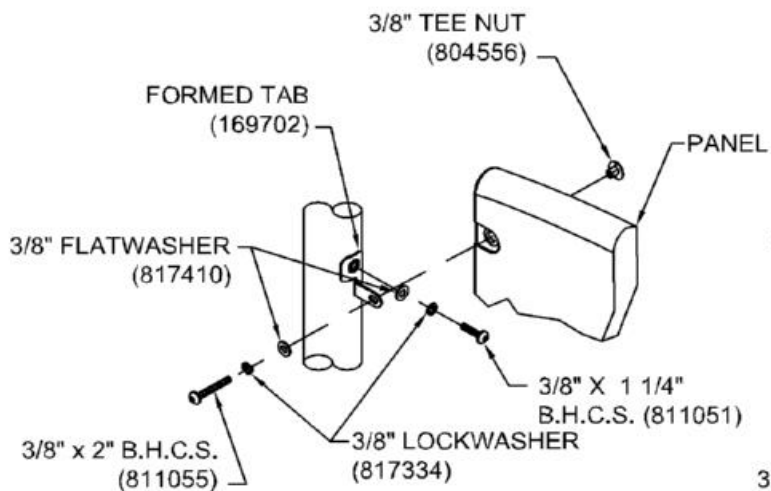
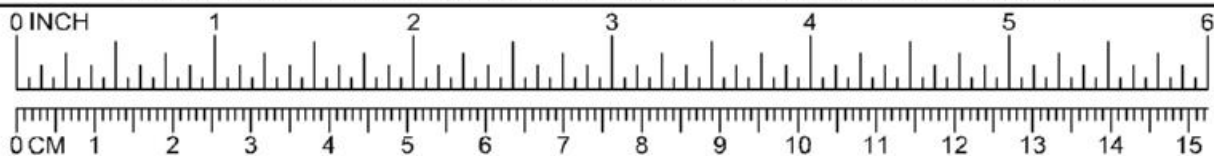
Note: Loctite (supplied by others) to be used on all threaded hardware.

DETAILS -for- 12962, 12963, AND 12968

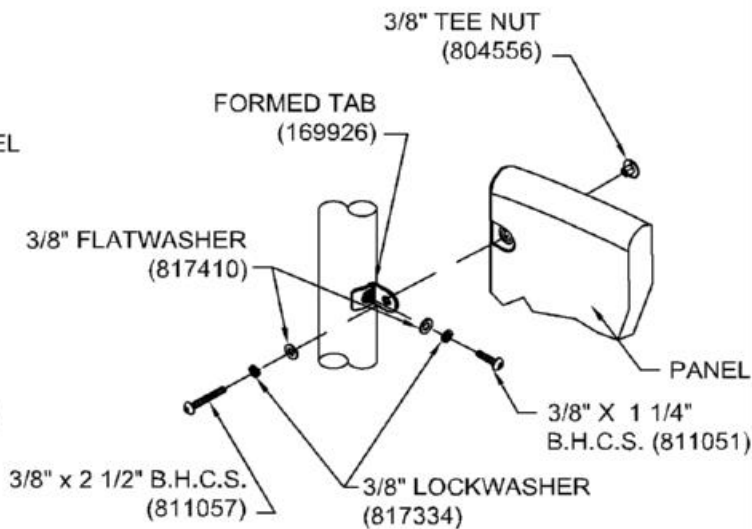
IMPORTANT

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.



403

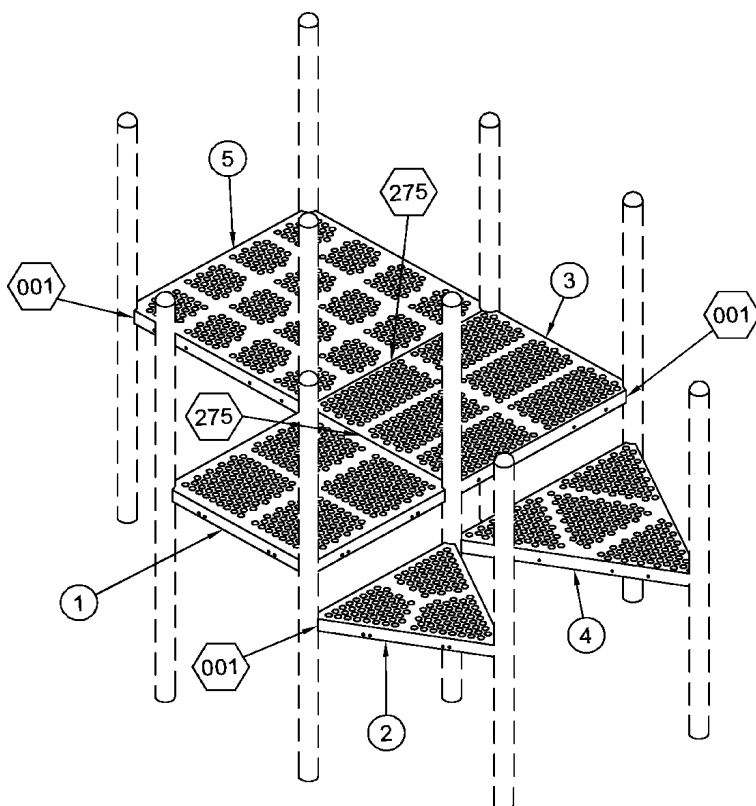


419

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

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

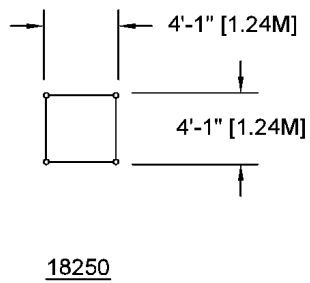
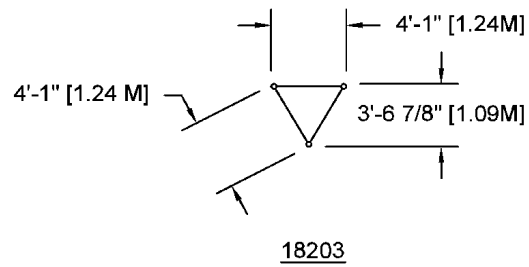
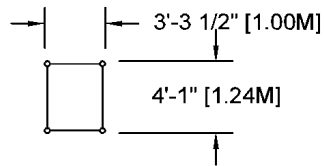
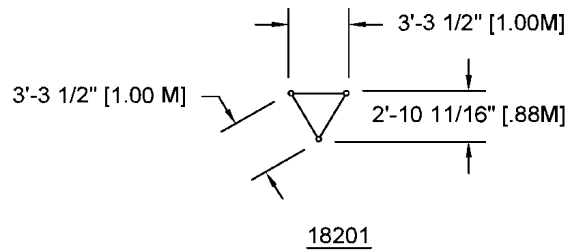
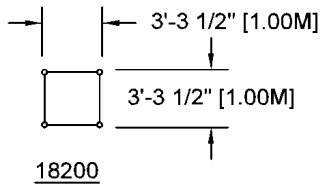


ASSEMBLY DRAWING

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.

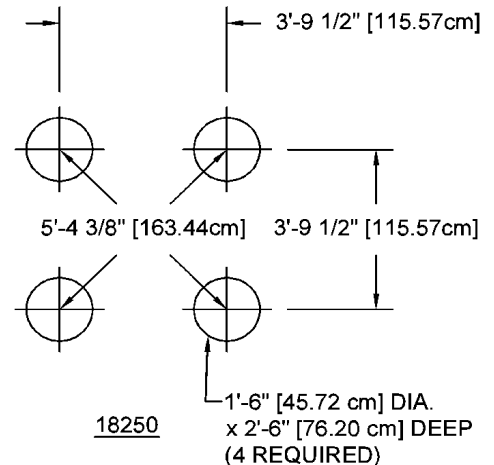
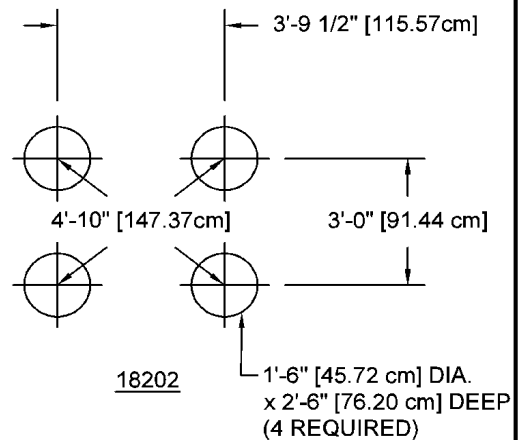
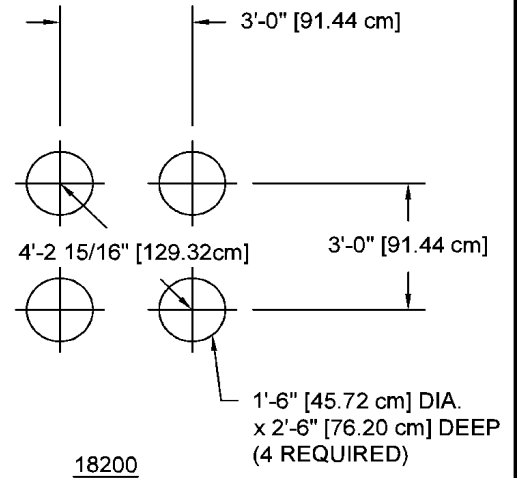
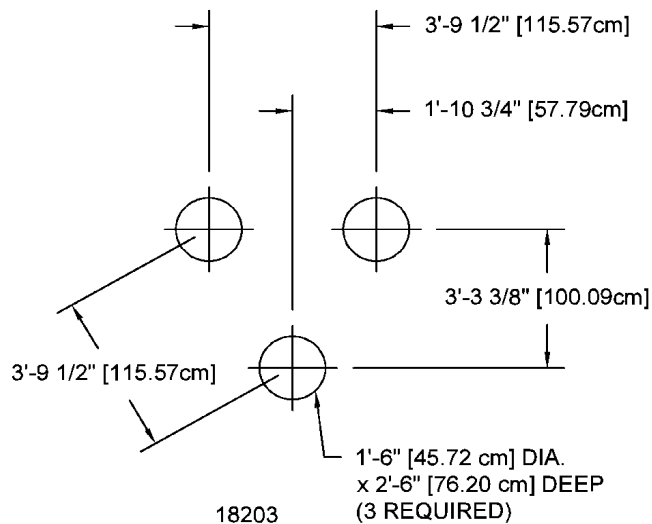
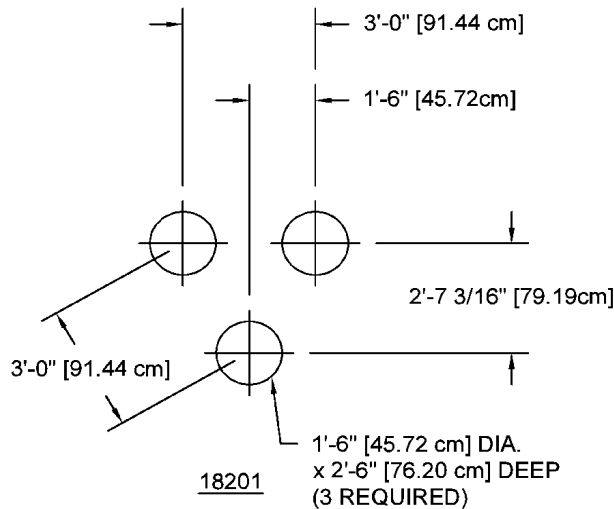
TOP VIEWS



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*

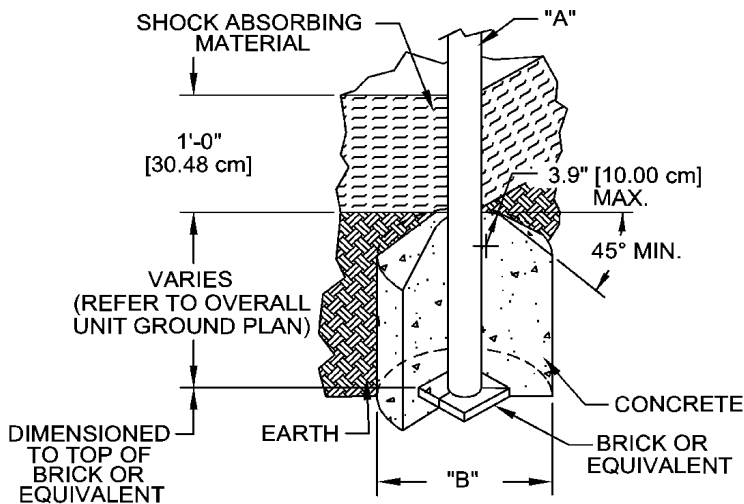
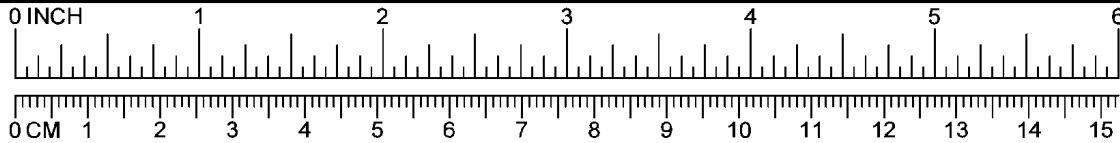
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

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.



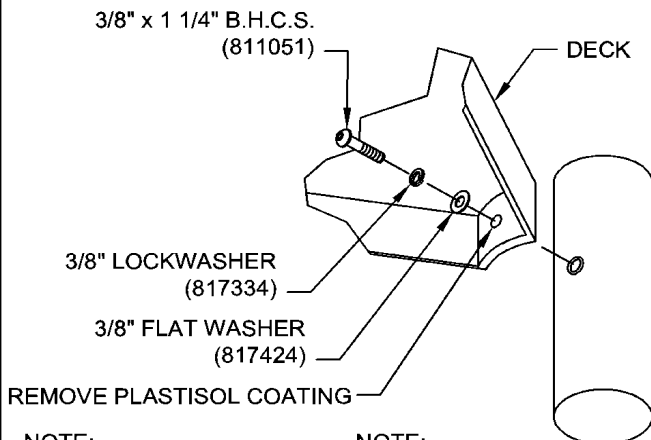
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

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.



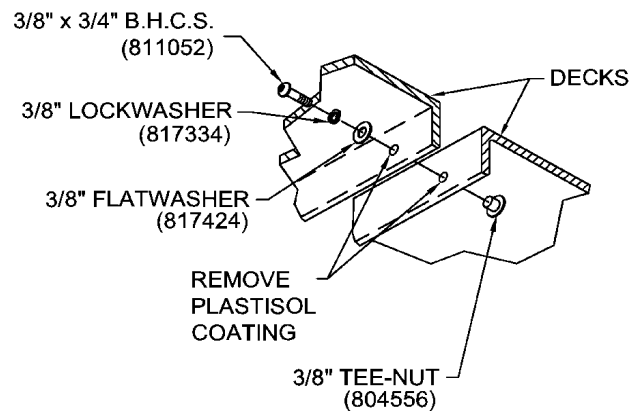
NOTE:

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.



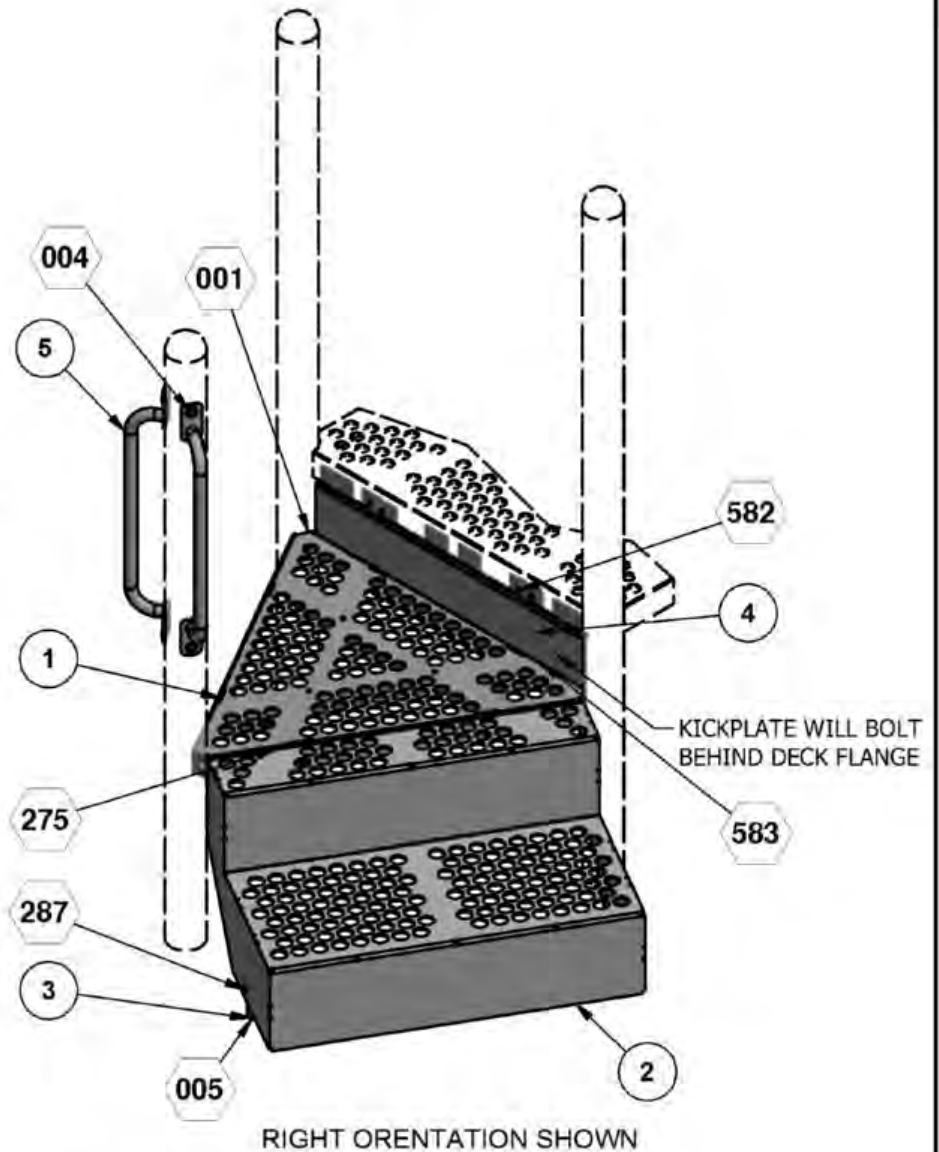
275

18337 TRANSFER PLATFORM TRIANGLE

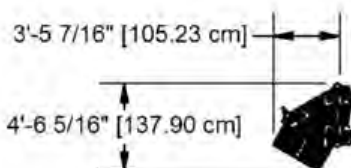
-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

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

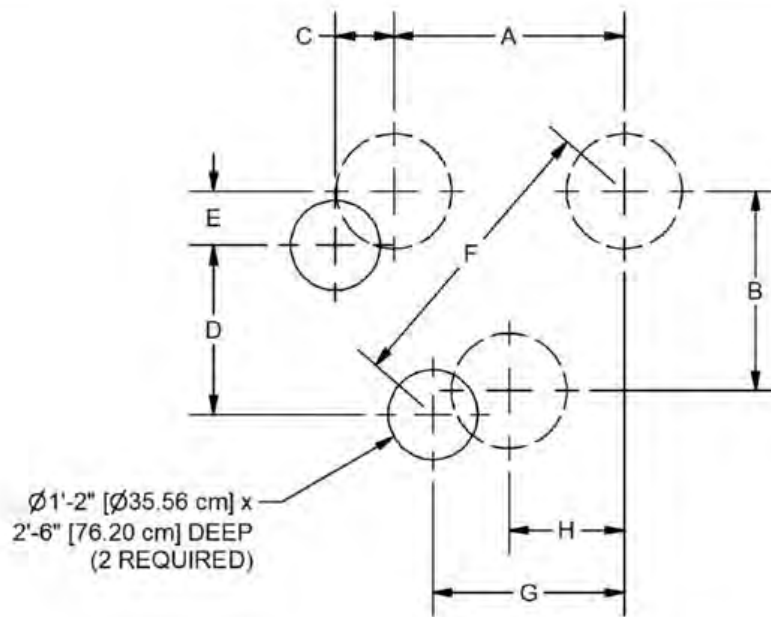
Parts List			
REF	DESCRIPTION	QTY	PART NUMBER
1	PUNCHED METAL TRIANGULAR DECK	1	159312
2	COATED STEP PLATFORM	1	216971
3	SUPPORT PIPE	2	141850
4	FORMED SMALL NOTCHED KICKPLATE	1	168676
5	HANDHOLD ASSEMBLY	2	151833
	HARDWARE COMPLETE	1	168709
	3/8" x 3/4" B.H.C.S.	4	811052*
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	7	811051*
	3/8" x 1 3/4" B.H.C.S.	2	811054*
	3/8" FLAT WASHER	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	11	817424*
	3/8" LOCK WASHER	15	817334*
	3/8" HEX NUT	2	804053*
	3/8" T-NUT	6	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.

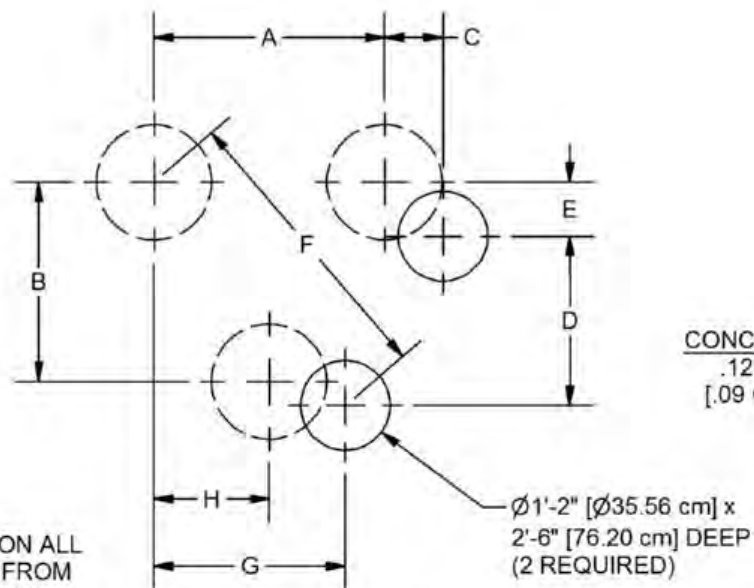
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

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



LEFT ORIENTATION SHOWN

TRIANGLE DECK	
DIM 'A'	3' [91.44 cm]
DIM 'B'	2'-7 3/16" [79.28 cm]
DIM 'C'	0'-9 9/16" [24.28 cm]
DIM 'D'	2'-2 9/16" [67.41 cm]
DIM 'E'	0'-8 9/16" [21.77 cm]
DIM 'F'	3'-10 7/16" [117.98 cm]
DIM 'G'	2'-6 3/8" [77.14 cm]
DIM 'H'	1'-6 1/16" [45.88 cm]



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.

RIGHT ORIENTATION SHOWN

GROUND PLANS

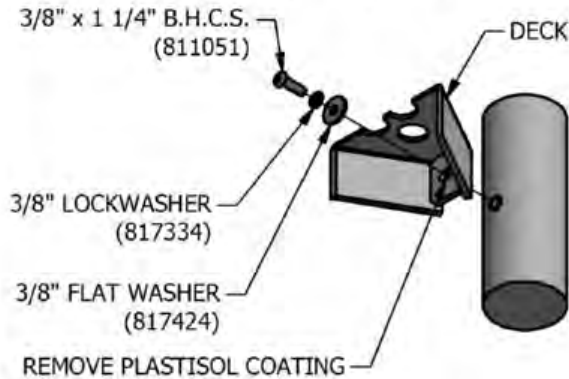
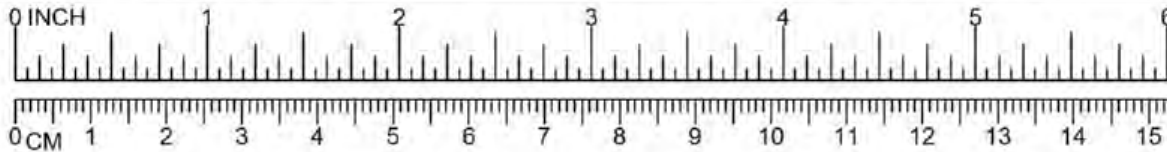
DETAILS -for- 18337

IMPORTANT

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

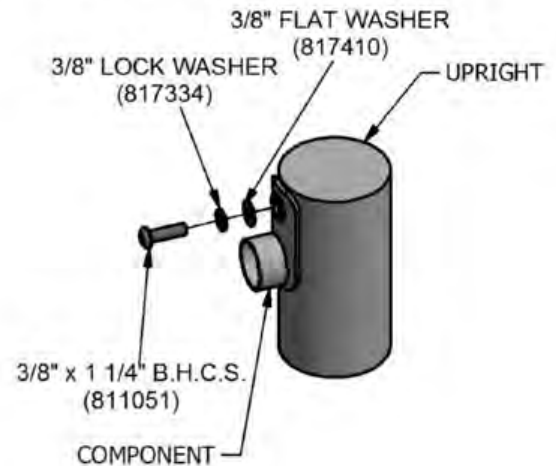
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



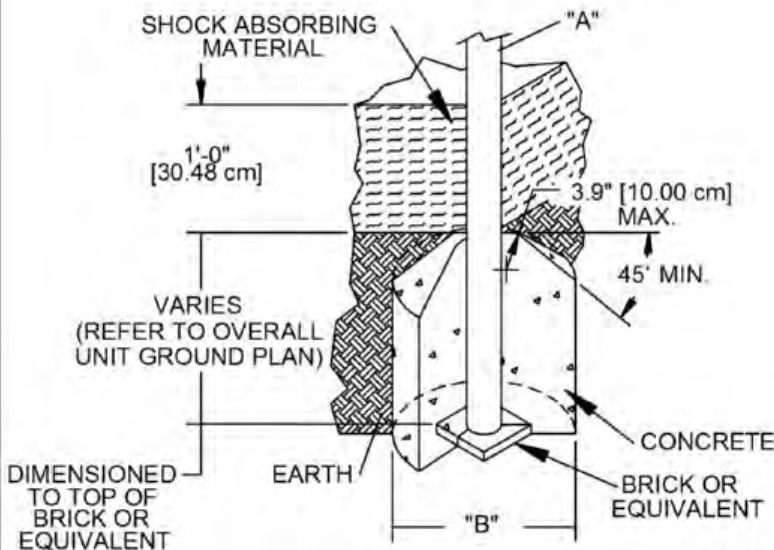
NOTE:
BOLTS SHOULD BE
TORQUED TO 20-25 FT.
LBS. FOR PROPER
INSTALLATION.

001



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

004



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

005

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]

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.

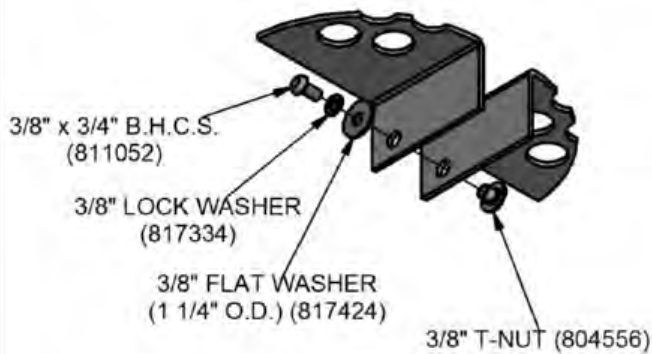
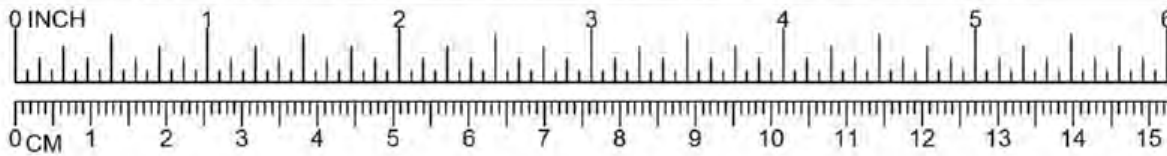
DETAILS -for- 18337

IMPORTANT

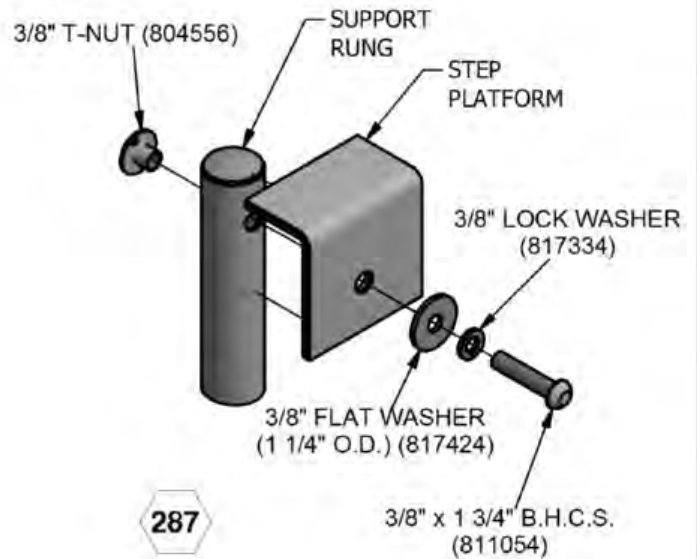
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

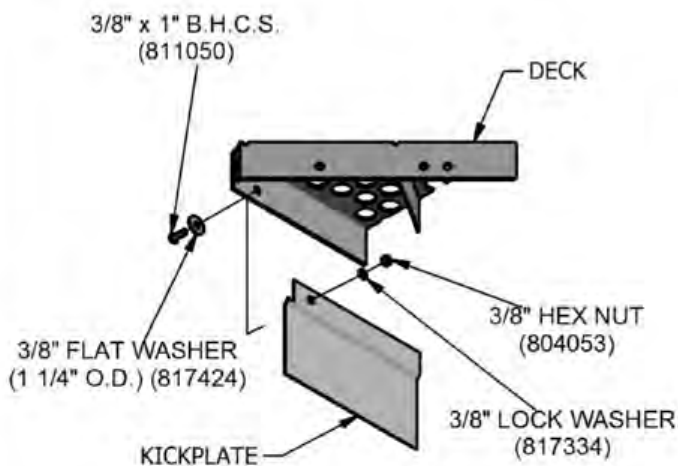
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLAT WASHERS TO MATCH RADIUS OF PIPE.



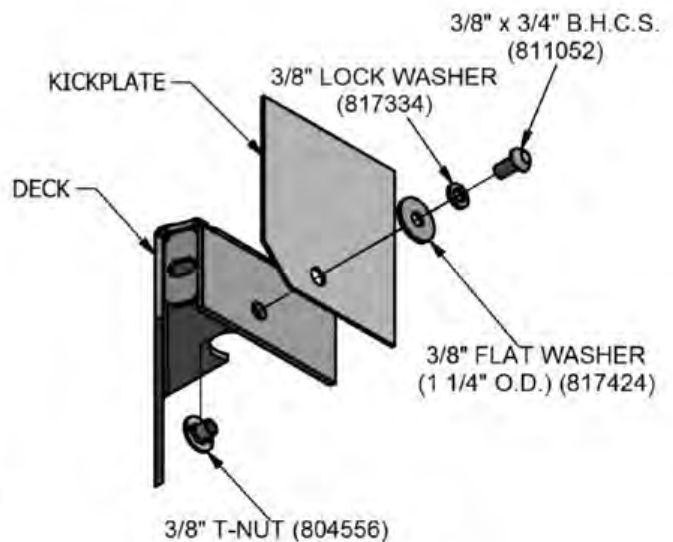
275



287



582



583

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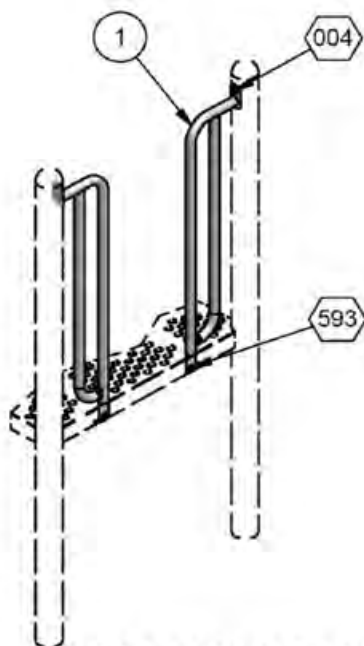
A PLAYCORE Company

1-800-235-2440

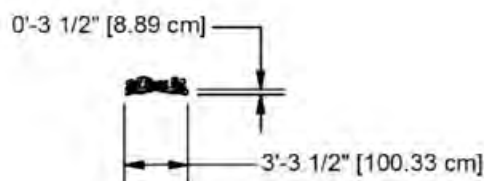
ISSUED/REVISED: 12/4/16

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.

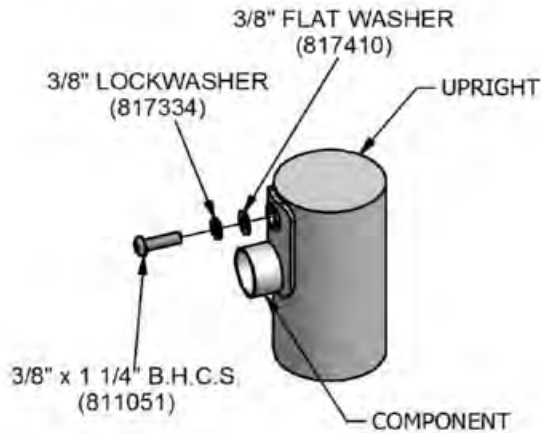
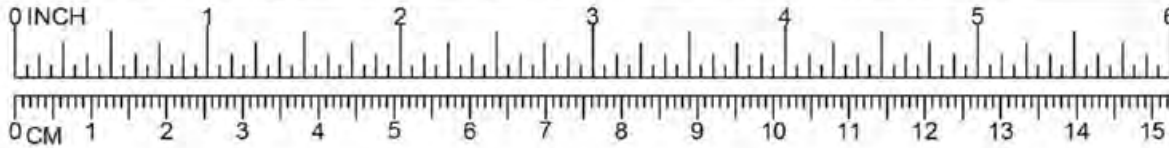
DETAILS -for- 19001

IMPORTANT

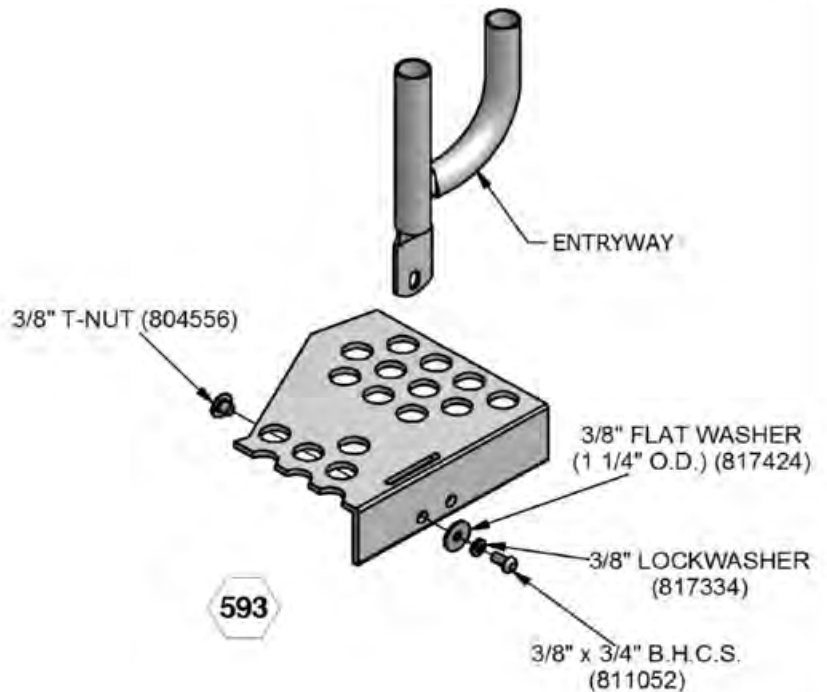
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



004



593

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ISSUED/REVISED: 8/22/16

19093 SCHOONER CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



19093
19094
19095
19096

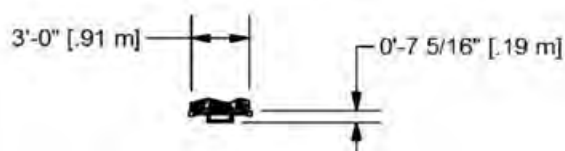


19097
19098
19099

INSTRUCTIONS

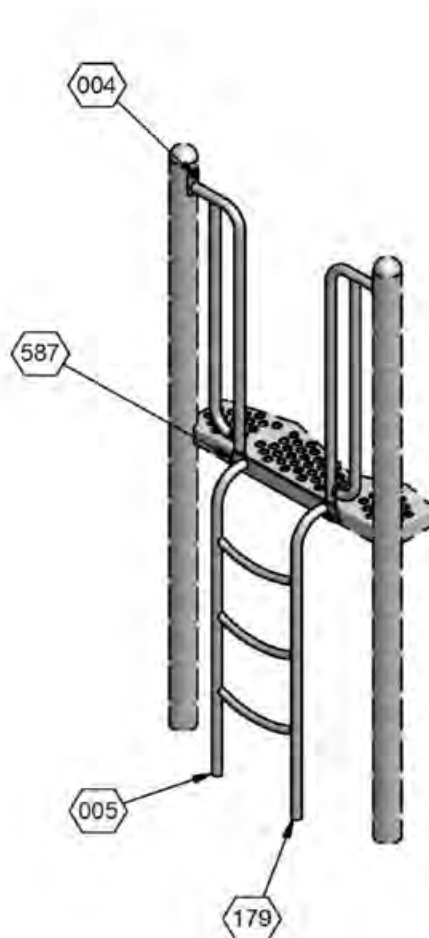
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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

TOP VIEW



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.

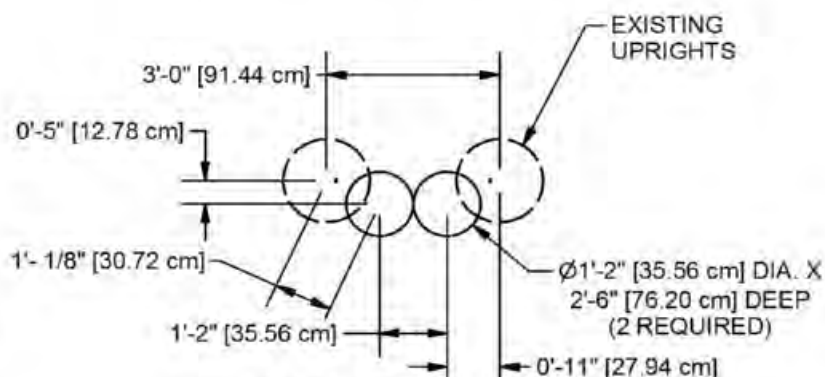


2'	19093
2'-6" & 3'	19094
3'-6" & 4'	19095
4'-6" & 5'	19096
5'-6" & 6'	19097
6'-6" & 7'	19098
7'-6" & 8'	19099

USE DETAIL 179
FOR 3', 4', 5', 6', 7' & 8'
DECK HEIGHTS.

ASSEMBLY DRAWING

19095 SHOWN



GROUND PLAN

Parts List									
REF.	DESCRIPTION	19093	19094	19095	19096	19097	19098	19099	PART NUMBER
1	SCHOONER CLIMBER WELD ASS'Y	1	0	0	0	0	0	0	200473
1	SCHOONER CLIMBER WELD ASS'Y	0	1	0	0	0	0	0	200469
1	SCHOONER CLIMBER WELD ASS'Y	0	0	1	0	0	0	0	200307
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	1	0	0	0	200462
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	1	0	0	200466
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	1	0	200479
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	0	1	200482
2	D-RING WELD ASS'Y	2	2	2	2	2	2	2	202623
	HARDWARE COMPLETE	1	0	0	0	0	0	0	202952
	HARDWARE COMPLETE	0	1	1	1	1	1	1	202953
	3/8" x 1" B.H.C.S.	2	2	2	2	2	2	2	811050*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	2	2	2	811051*
	3/8" x 1 3/4" B.H.C.S.	0	2	2	2	2	2	2	811054*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	2	817424*
	3/8" LOCKWASHER	4	6	6	6	6	6	6	817334*
	3/8" T-NUT	2	4	4	4	4	4	4	804556*
	1.029" O.D. EXTENSION	0	2	2	2	2	2	2	158359*
	3/8" FLAT WASHER	2	2	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.

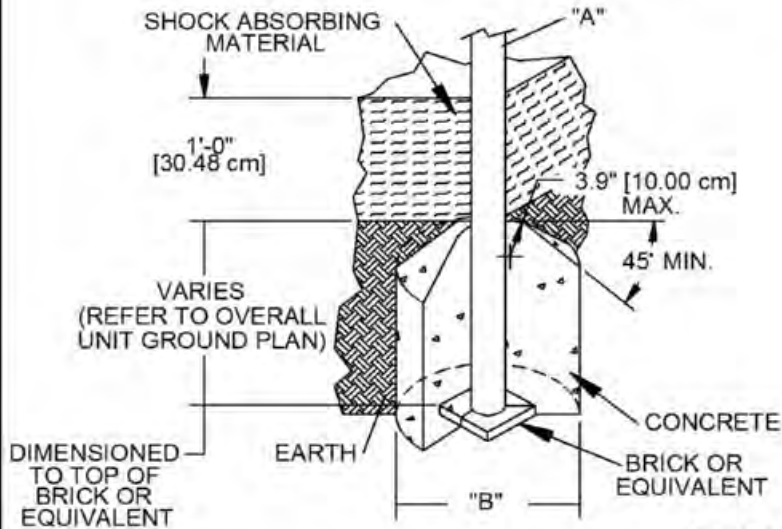
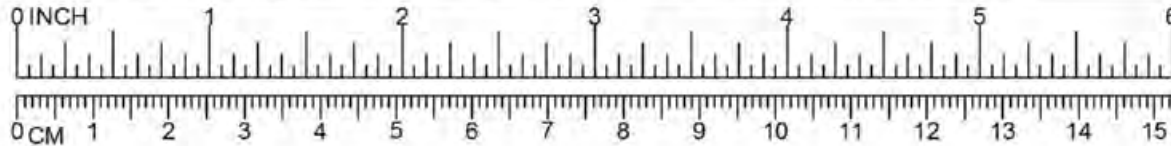
DETAILS -for- **19093, 19094, 19095, 19096, 19097, 19098 & 19099**

IMPORTANT

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

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

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



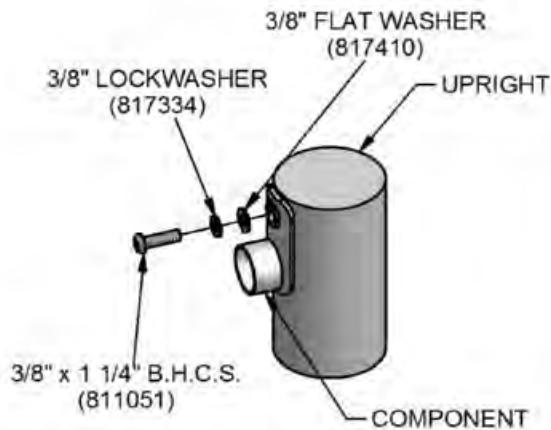
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:

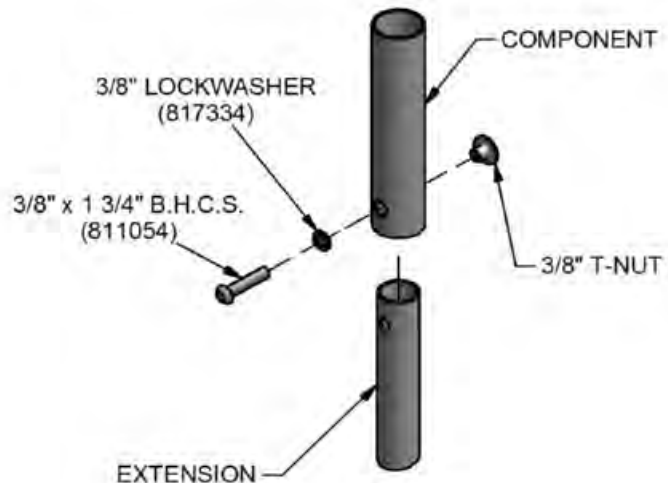
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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



179

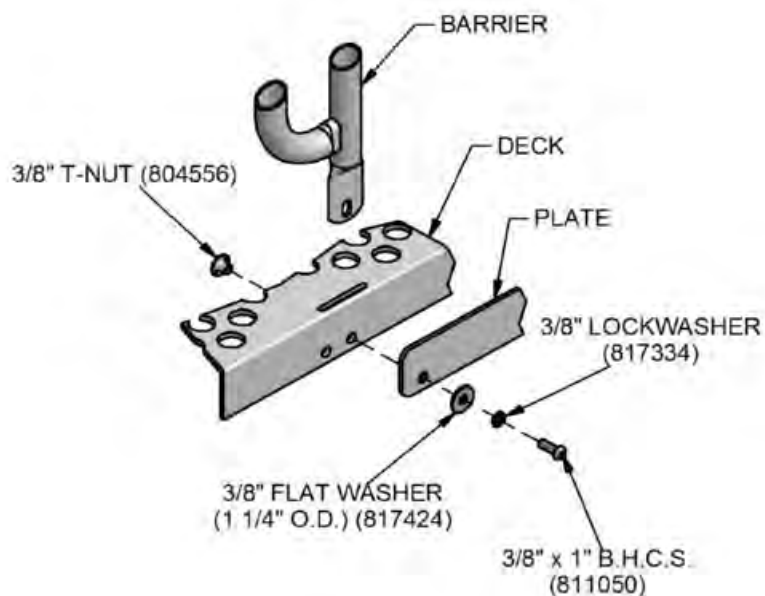
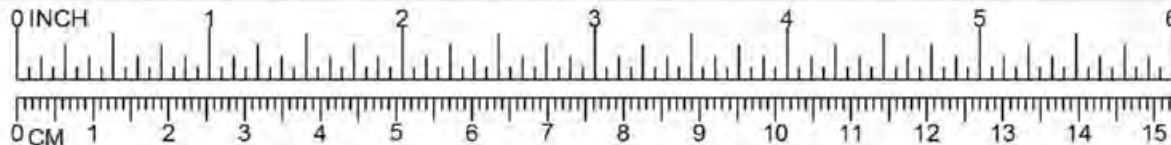
**DETAILS -for-
19093, 19094, 19095, 19096, 19097, 19098 & 19099**

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.



587

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ISSUED/REVISED: 12/5/16

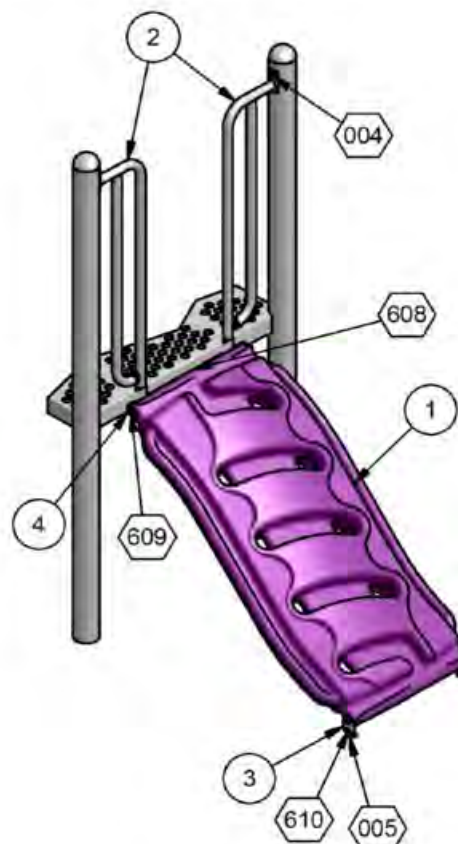
19104 RIDGE CLIMBER

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

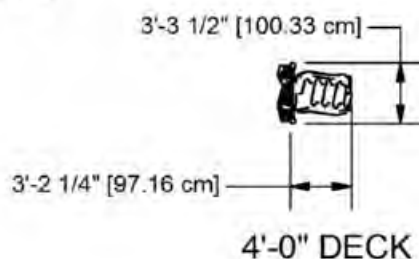
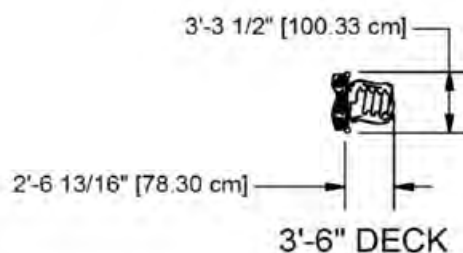
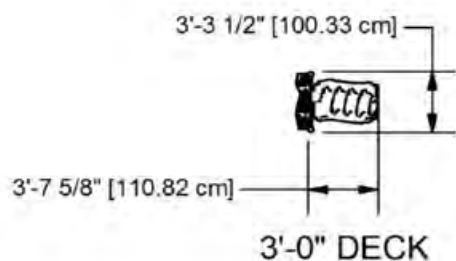


INSTALLATION INSTRUCTIONS

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.

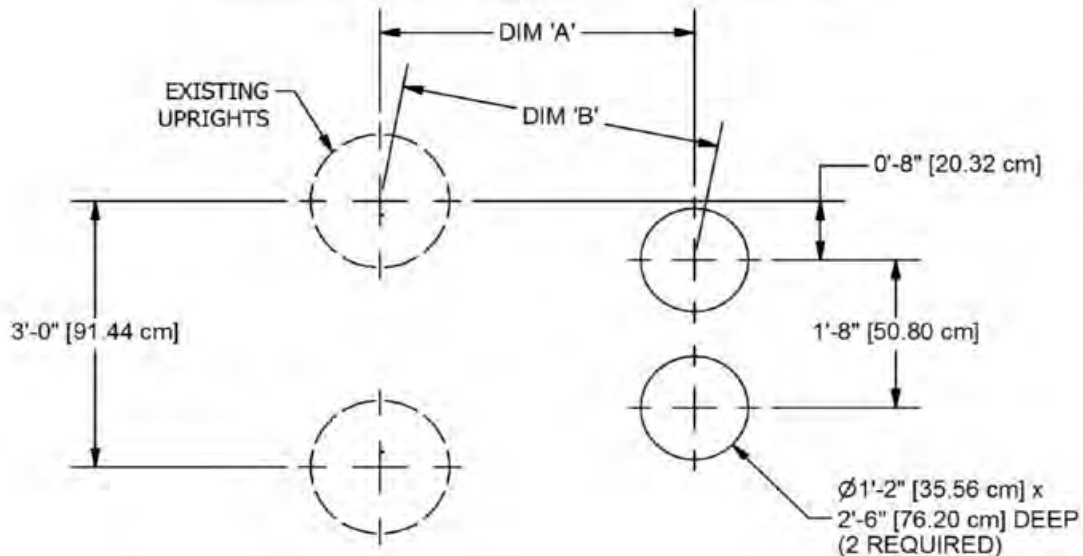


ASSEMBLY VIEW



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.

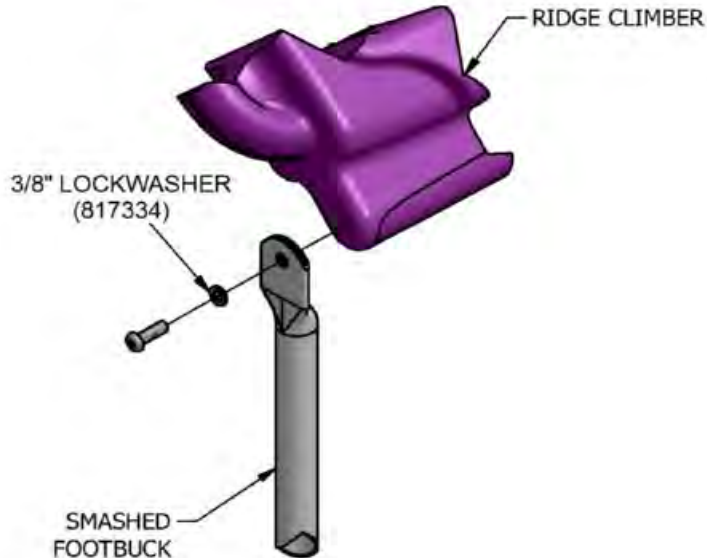
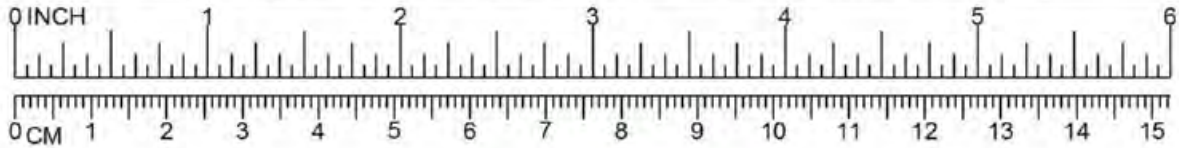
DETAILS -for- 19104

IMPORTANT

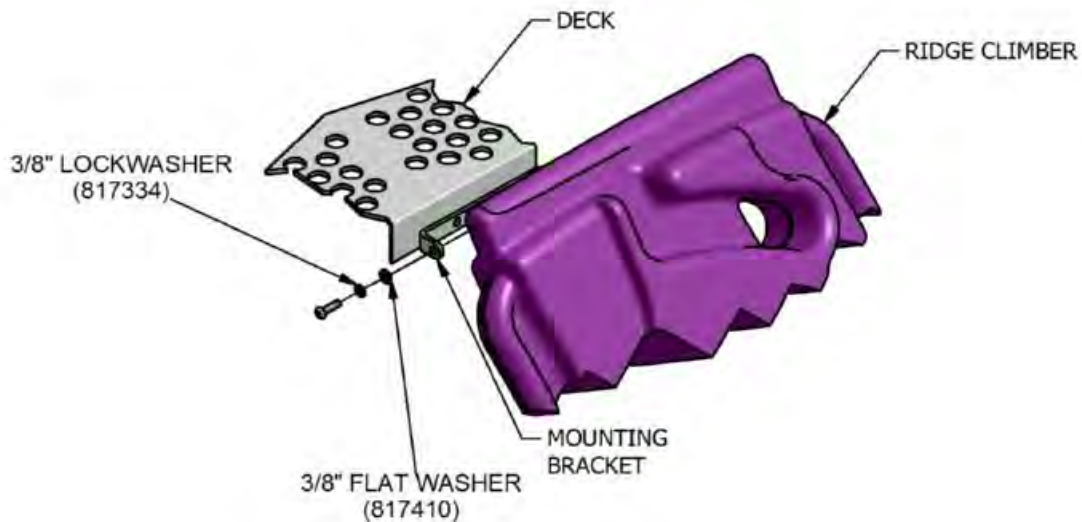
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



609



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ISSUED/REVISED: 1/17/17

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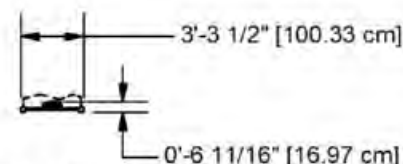
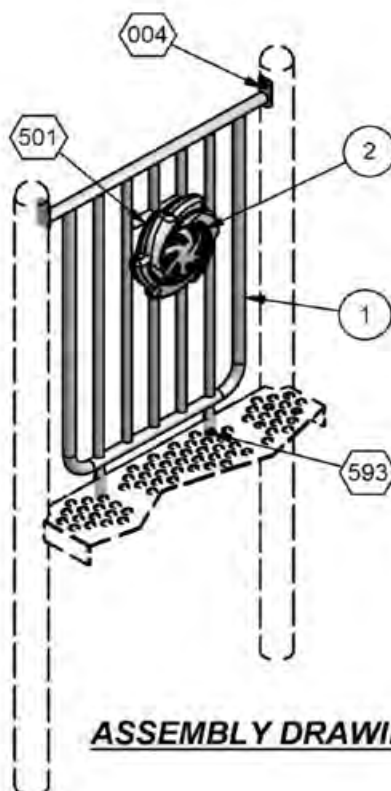
RUNG ENCLOSURE w/ THUNDER RING

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE



INSTALLATION INSTRUCTIONS

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



TOP VIEW

ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RUNG ENCLOSURE w/ PLATE	1	203063
2	THUNDER RING	1	179013
	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.

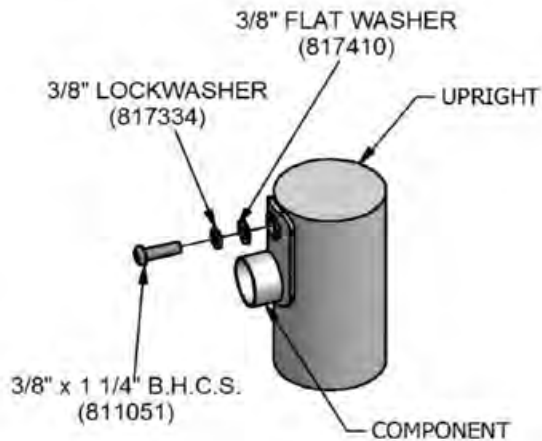
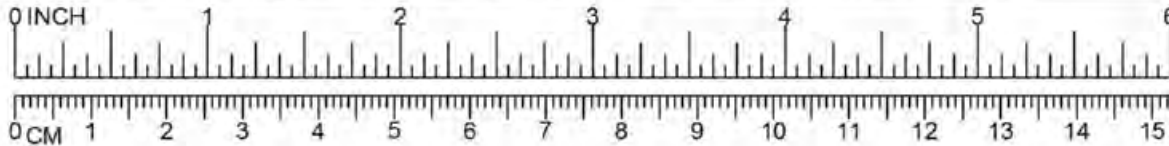
DETAILS -for- 19216

IMPORTANT

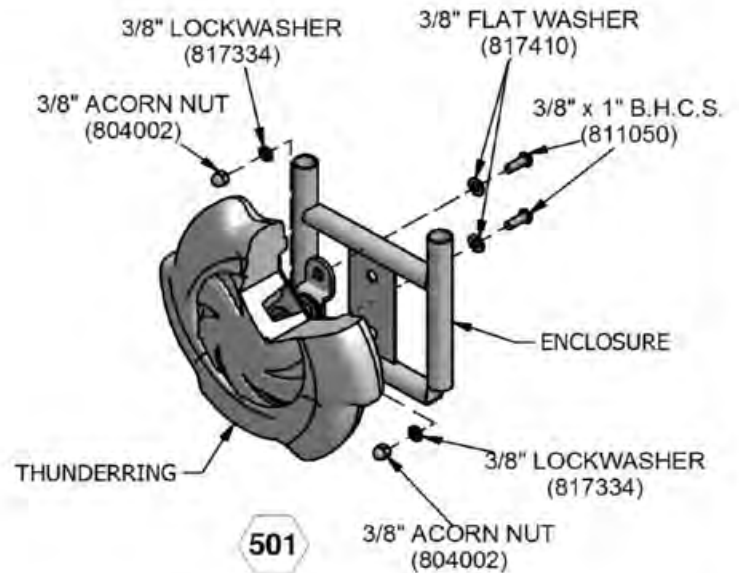
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

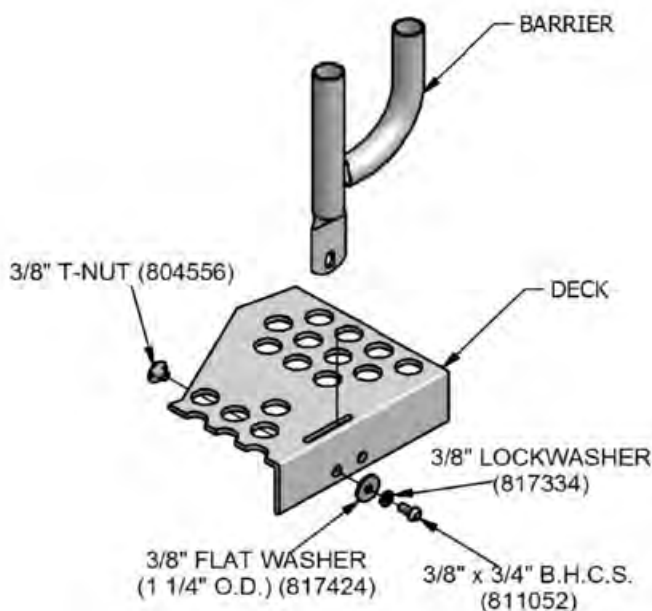
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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ISSUED/REVISED: 4/15/19

19290 KICKPLATE w/ RUNG

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

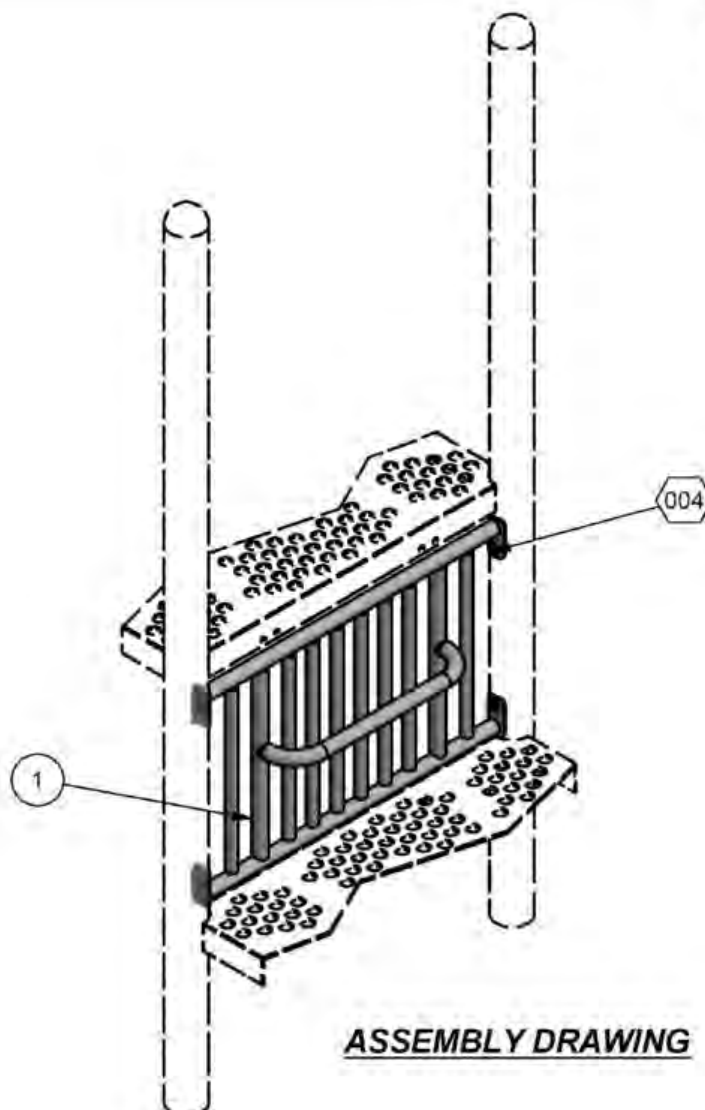
1'-6"	19290
2'-0"	19291
2'-6"	19292
3'-0"	19293



UP TO 5'-0"
DECK HEIGHTS



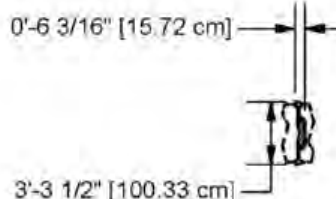
ALL
DECK HEIGHTS



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.

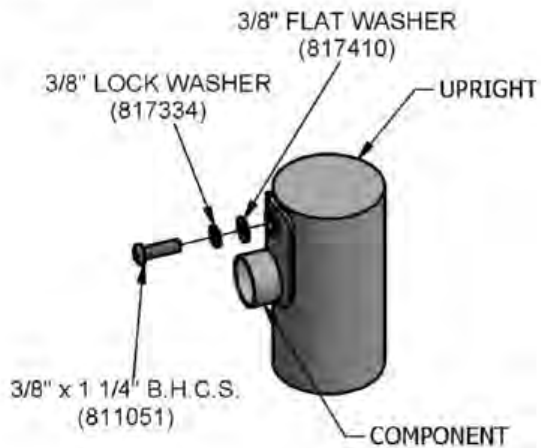
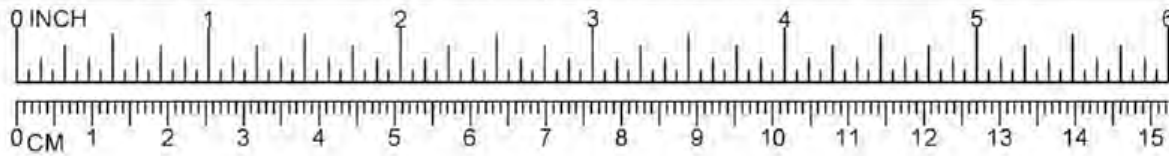
DETAILS -for- 19290 THRU 19293

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.



004

primetime[®]



GameTime[®]

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/04/2018

19791 DOUBLE ZIP SLIDE

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

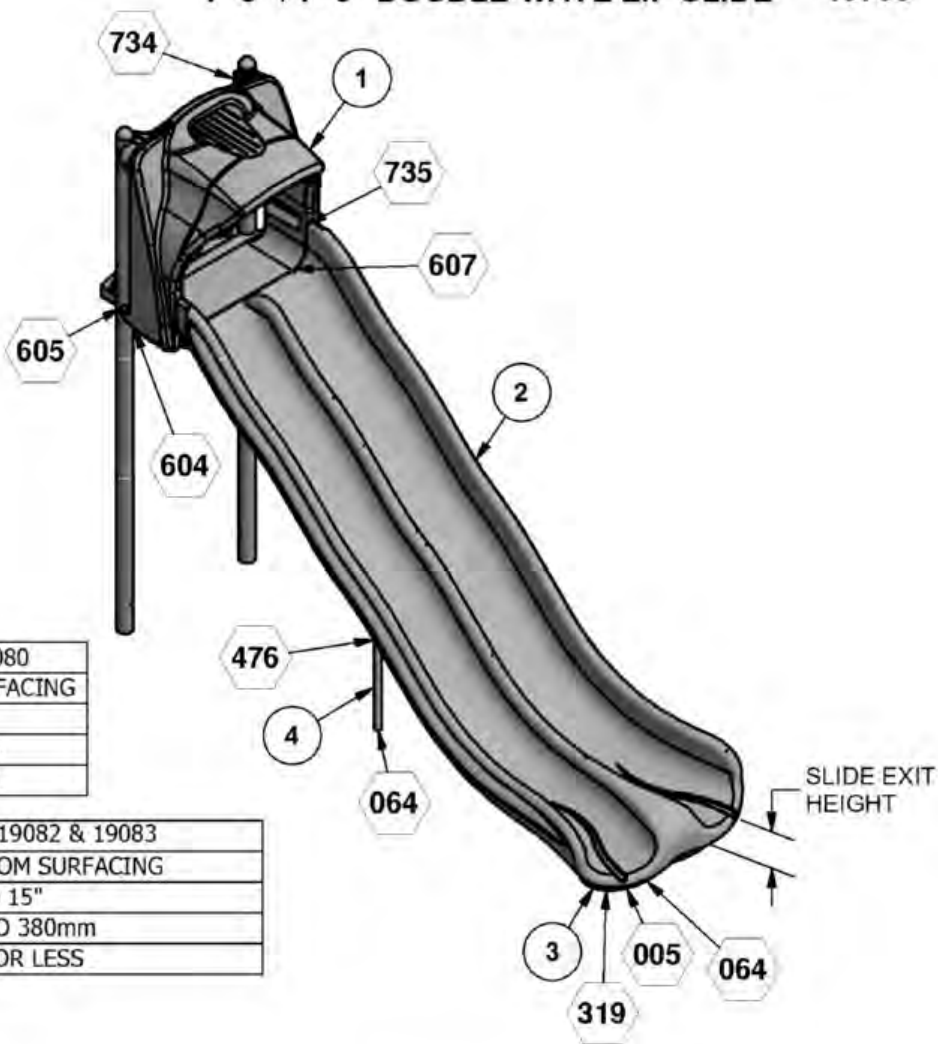


19791
19792
19793



19794
19795

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



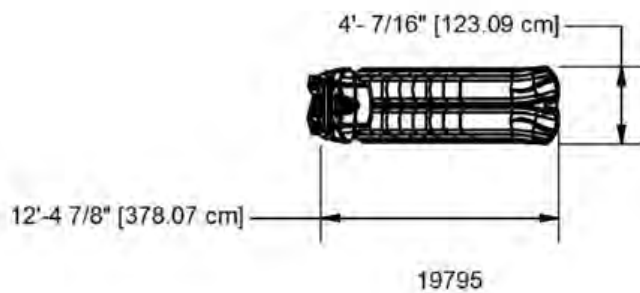
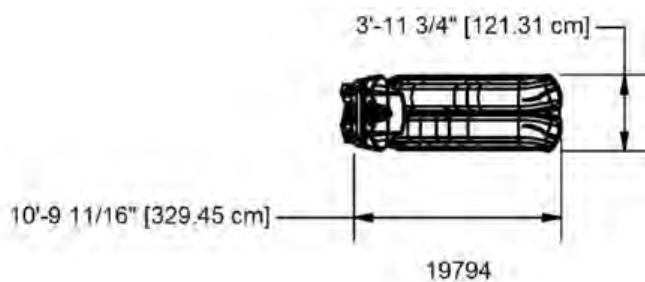
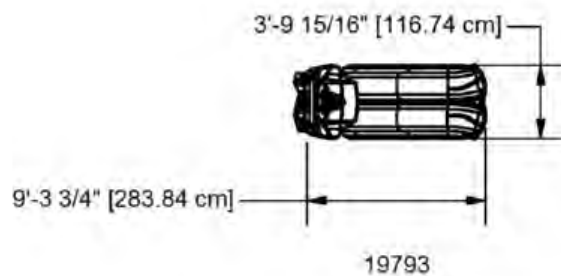
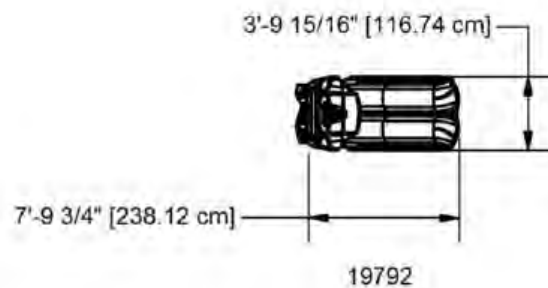
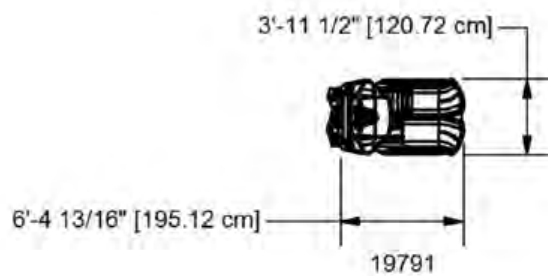
ASSEMBLY VIEW
19795 SHOWN

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.



TOP VIEWS

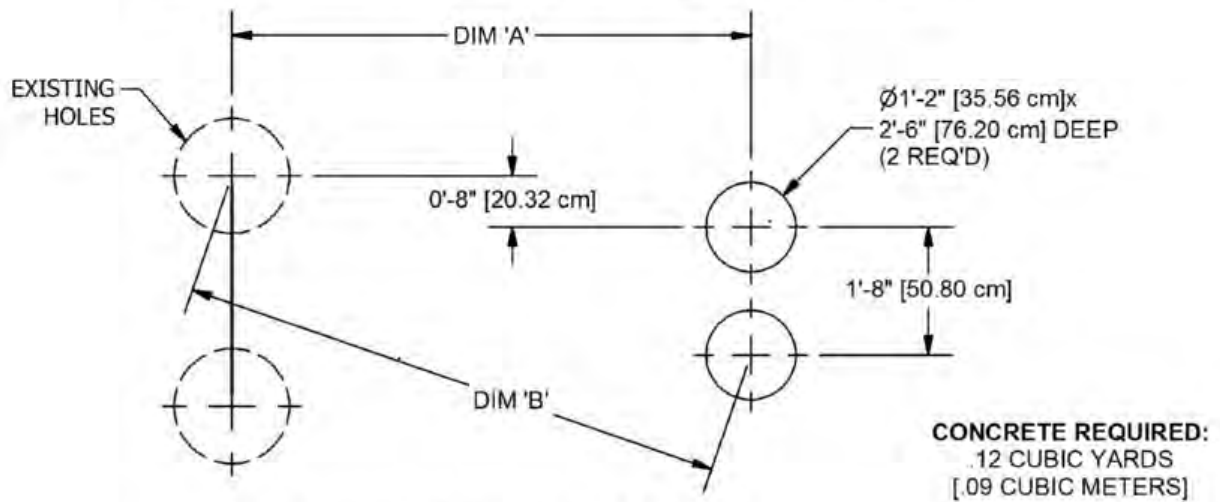
Parts List							
REF.	DESCRIPTION	19791	19792	19793	19794	19795	PART NUMBER
1	DOUBLE SLIDE HOOD	1	1	1	1	1	214527
2	3' RUMBLE & ROLL SLIDE	1	0	0	0	0	176401
2	4' DOUBLE SLIDE	0	1	0	0	0	176188
2	5' DOUBLE SLIDE	0	0	1	0	0	176189
2	6' DUELING WAVE SLIDE	0	0	0	1	0	176158
2	7'-6" DOUBLE WAVE SLIDE	0	0	0	0	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" x 2 1/2" B.H.C.S.	9	9	9	9	9	811057*
	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*

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.

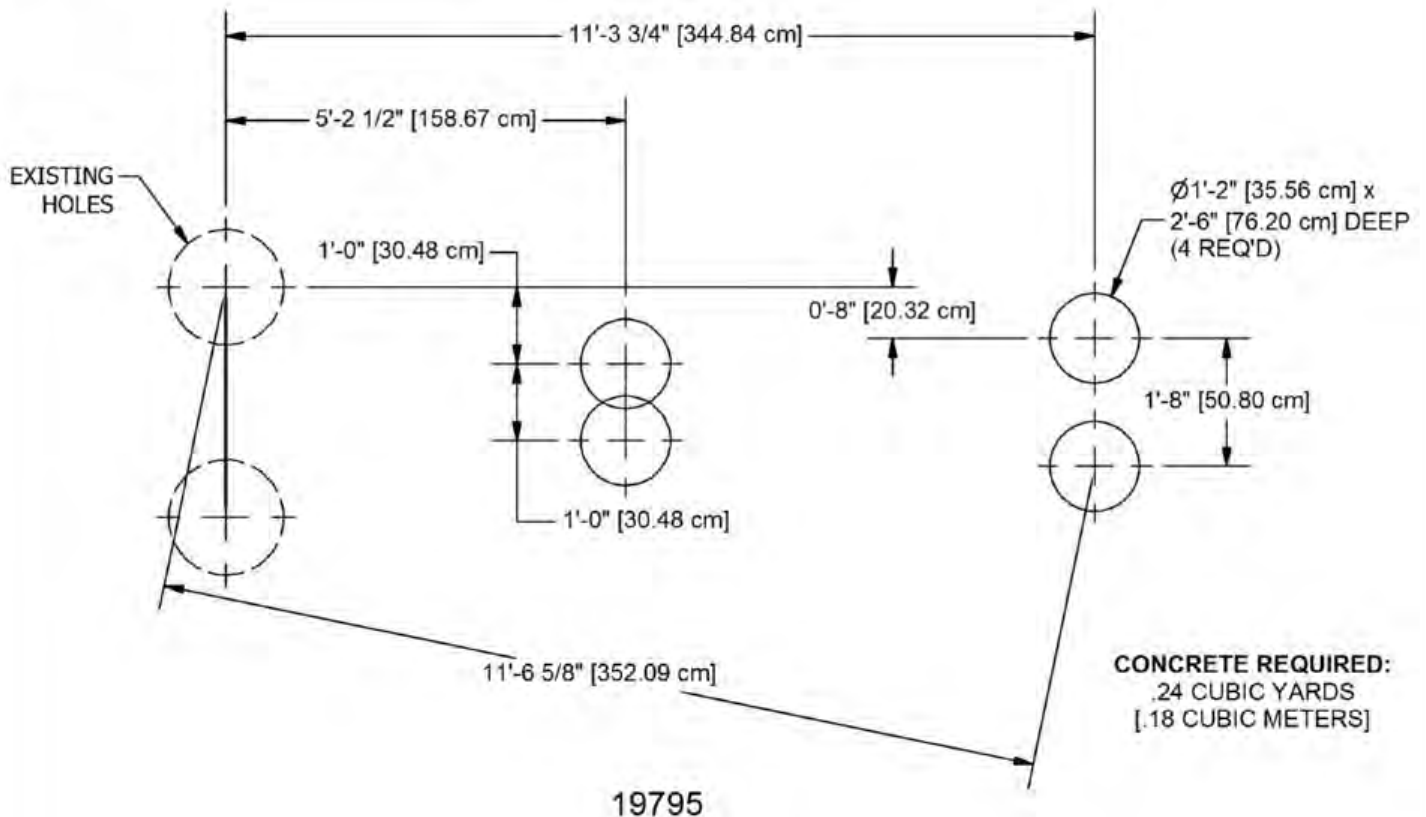
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.

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

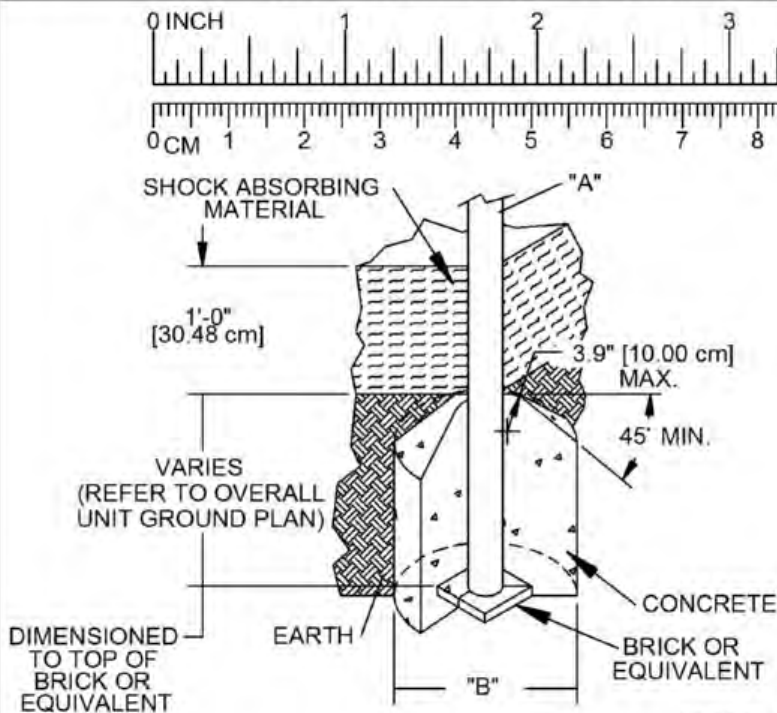
DETAILS -for- 19791 - 19795

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.



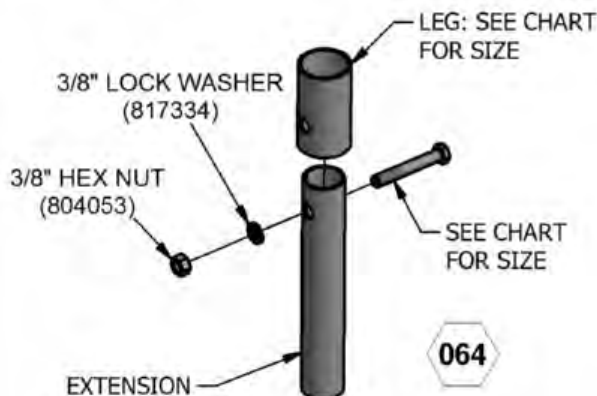
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

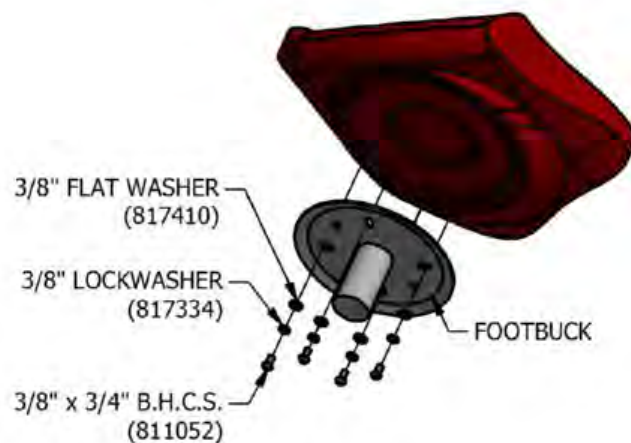
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



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)



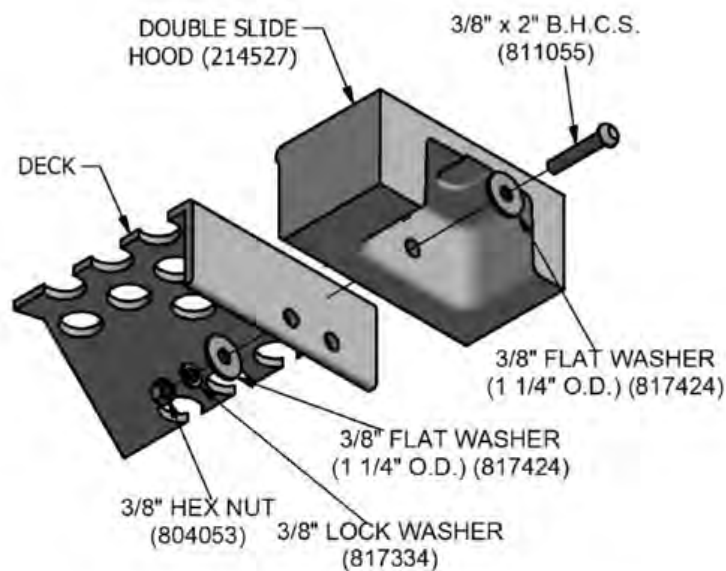
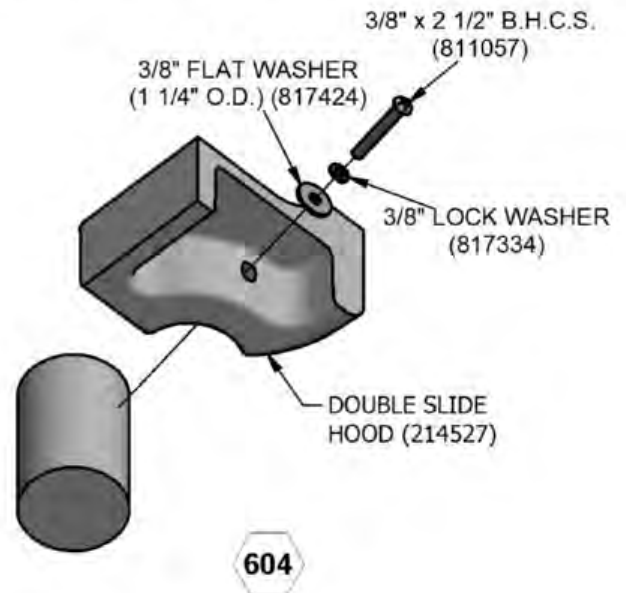
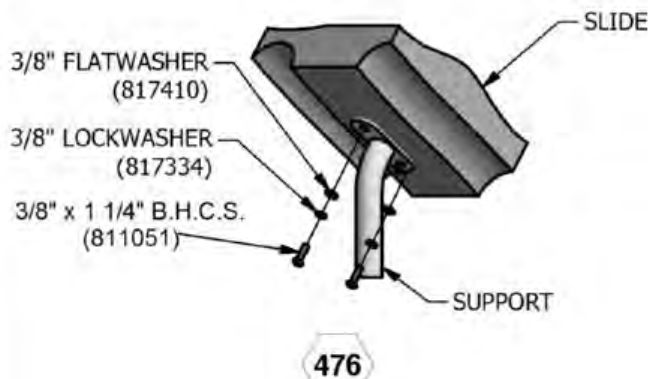
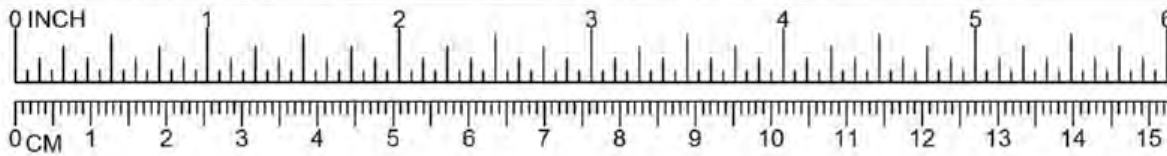
DETAILS -for- 19791 - 19795

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.



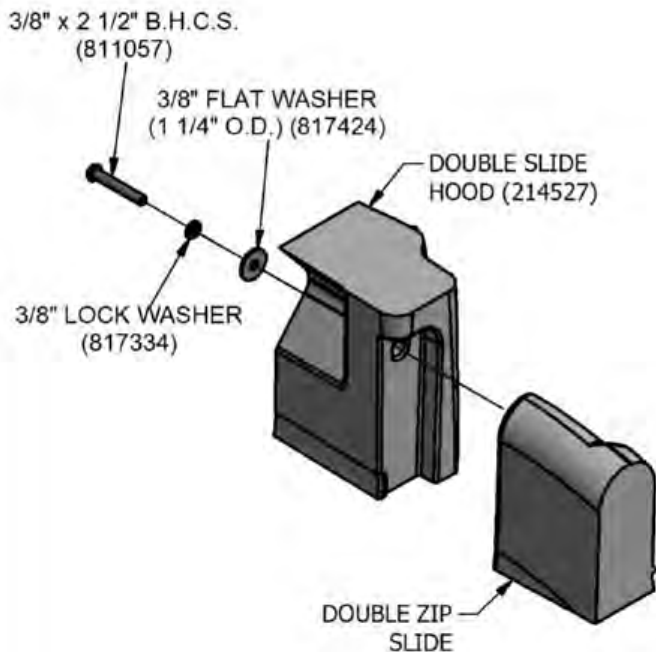
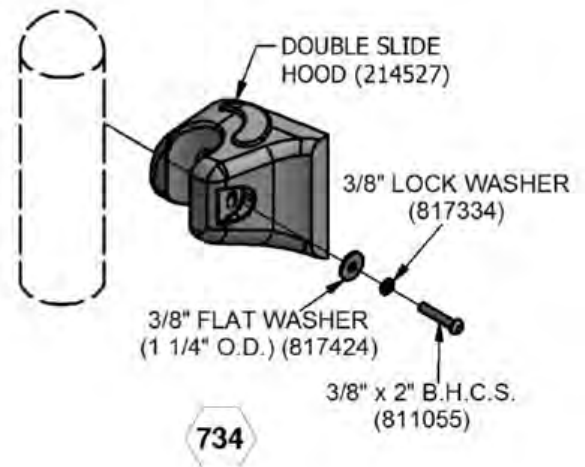
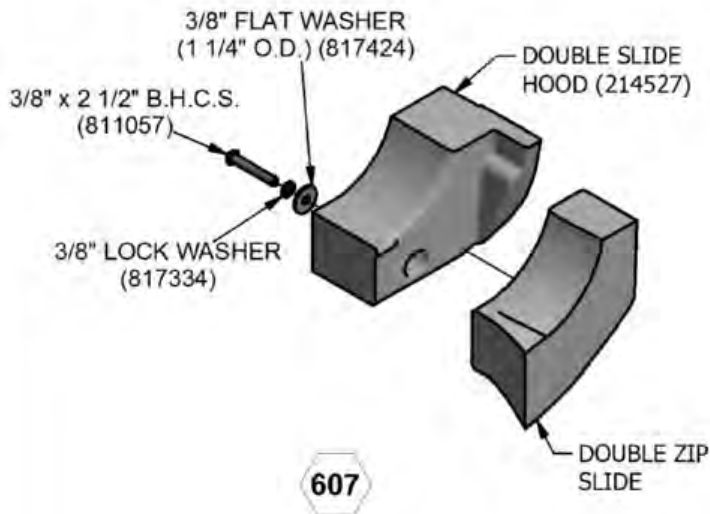
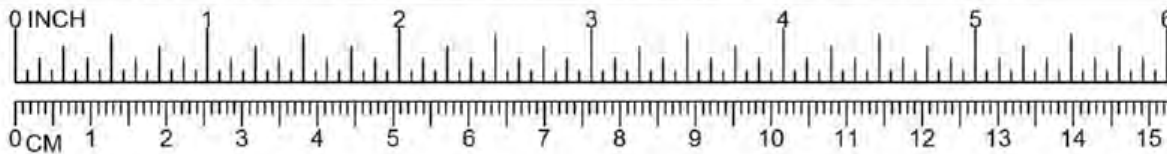
DETAILS -for- 19791 - 19795

IMPORTANT

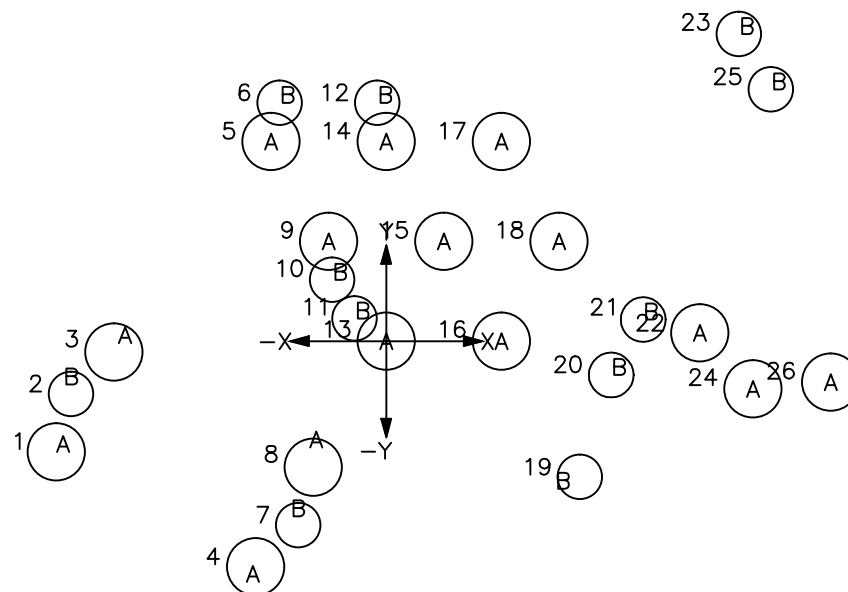
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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



FOOTINGS TABLE			
TYPE	DIAMETER/SIDE	DEPTH*	QTY.
A	1'-6" [45.72cm]	2'-6" [76.20cm]	15
B	1'-2" [35.56cm]	2'-6" [76.20cm]	11

*DEPTH IS MEASURED FROM FINISHED GRADE



9141009
 HOFFMAN ESTATES, IL
 Representative
 CUNNINGHAM 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:
 33'-7" X 27'-2"
 Scale: 1"=5'-0"
 This drawing can be scaled only when in an 8 1/2" x 11" format

Drawn By:
 VW
 Date:
 05/22/2019
 GT Order #:
 9141009

IMPORTANT

Owner Information

Includes:

GameTime Warranties

Ground Plan

Hardware Listing

Assembly and Installation Instructions



A PLAYCORE Company

TABLE OF CONTENTS

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Equipment Installation Instructions	28



A PLAYCORE Company

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



A PLAYCORE Company

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 PowerScope 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.

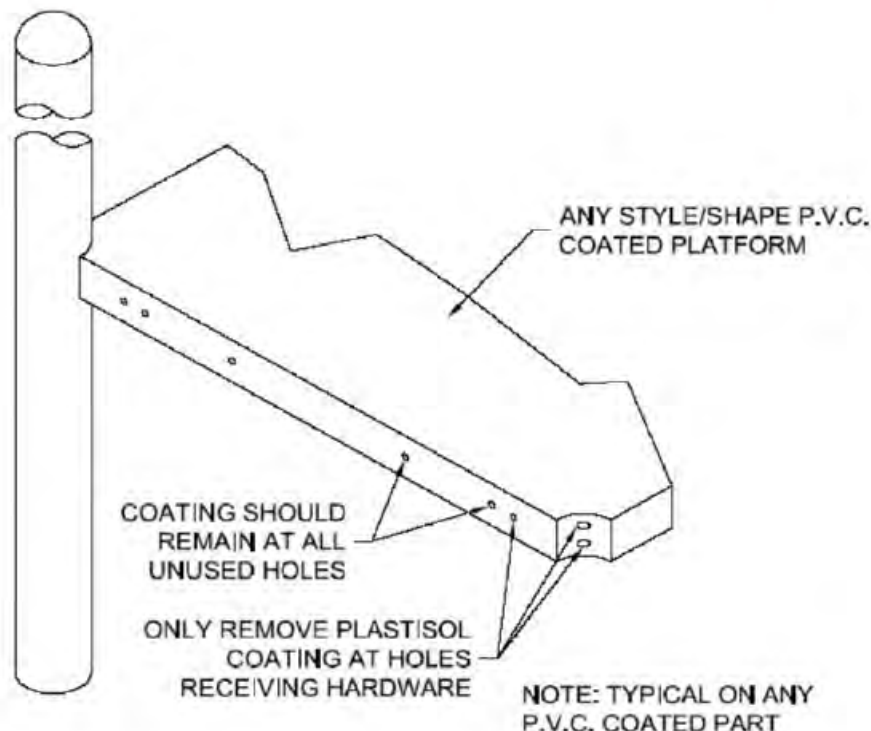
Assemble all slides on level ground to insure proper exit height of slide bed way. The exit portion of the bed way should slope downward.

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

U.S. Consumer
Product Safety
Commission

Washington D.C.
20207

Hotline:
1-800-638-2772



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-and-fro swings:

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

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

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

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

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

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

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

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

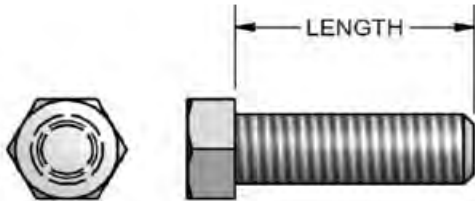
For more detailed information on playground safety, refer to the CPSC's Handbook for Public Playground Safety. To obtain a copy, send a postcard with your name, address, and name of the publication desired to: U.S. Consumer Product Safety Commission, Washington, D.C. 20207.

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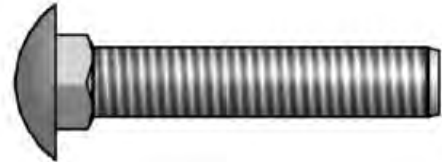
TYPICAL HARDWARE KEY

(FOR IDENTIFICATION OF PARTS)

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



HEX HEAD BOLT



CARRIAGE BOLT

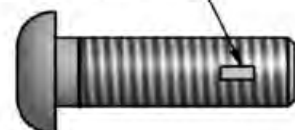


BUTTON HEAD CAP SCREW
(B.H.C.S.)

PIN-IN HEAD



EPOXY PATCH



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



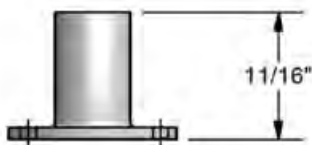
3/8" LOCKWASHER
(817334)



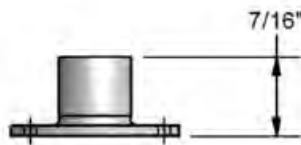
3/8" FLATWASHER
(817410)



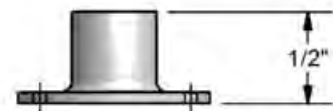
3/8" FLATWASHER
(1 1/4" O.D.)
(817424)



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



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



3/8" SPANNER
TEE-NUT
(804556)

TOOL LIST FOR YOUR GAMETIME® PLAYGROUND INSTALLATION

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

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

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

PowerScape®

GameTime®

A PLAYCORE Company

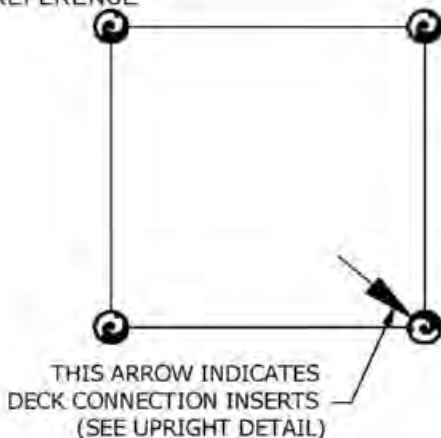
1-800-235-2440

ISSUED/REVISED: 3/14/2018

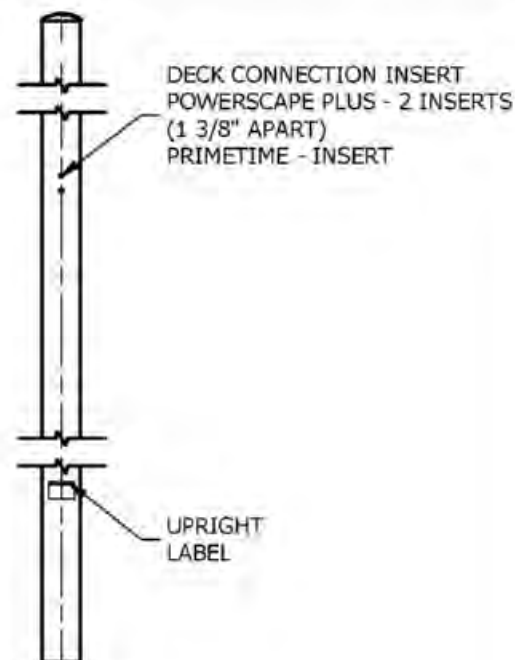
UPRIGHT LABEL DETAIL

⬡ = INSTALLATION
DETAIL

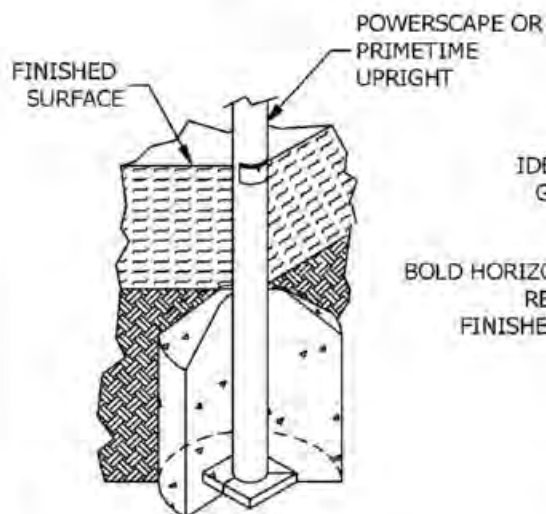
○ = PARTS LIST
REFERENCE



**MODULAR TOP VIEW
REFERENCE**



UPRIGHT DETAIL

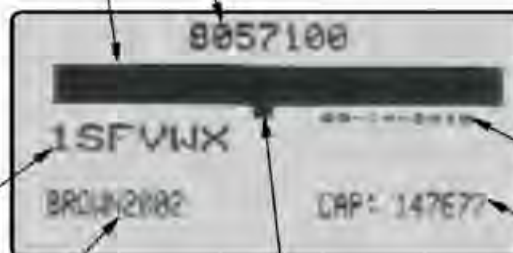


IDENTIFICATION OF
GAMETIME ORDER
NUMBER

BOLD HORIZONTAL LINE
REPRESENTS
FINISHED SURFACE

UPRIGHT PART
NUMBER

UPRIGHT COLOR



PRODUCTION
DATE

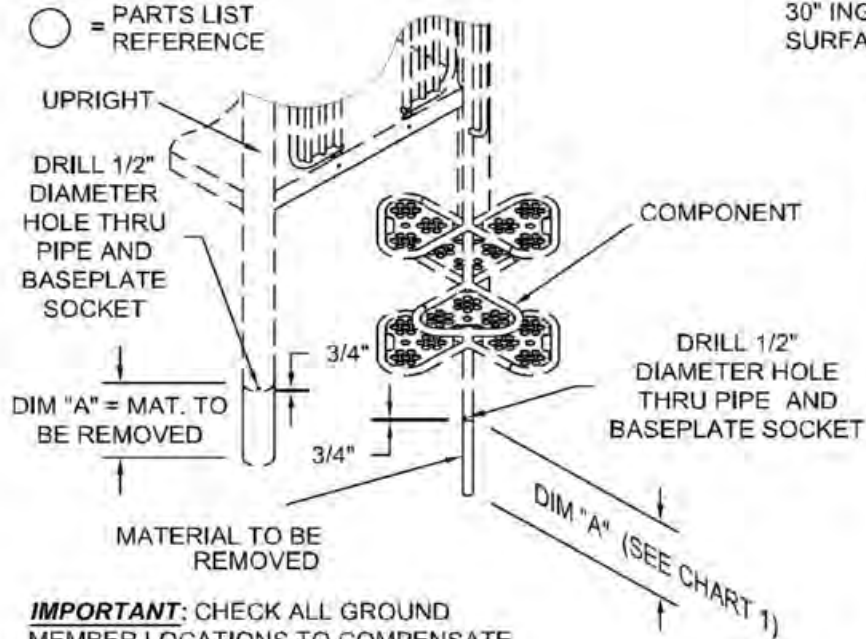
UPRIGHT CAP
NUMBER

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

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)



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

DETAIL 1

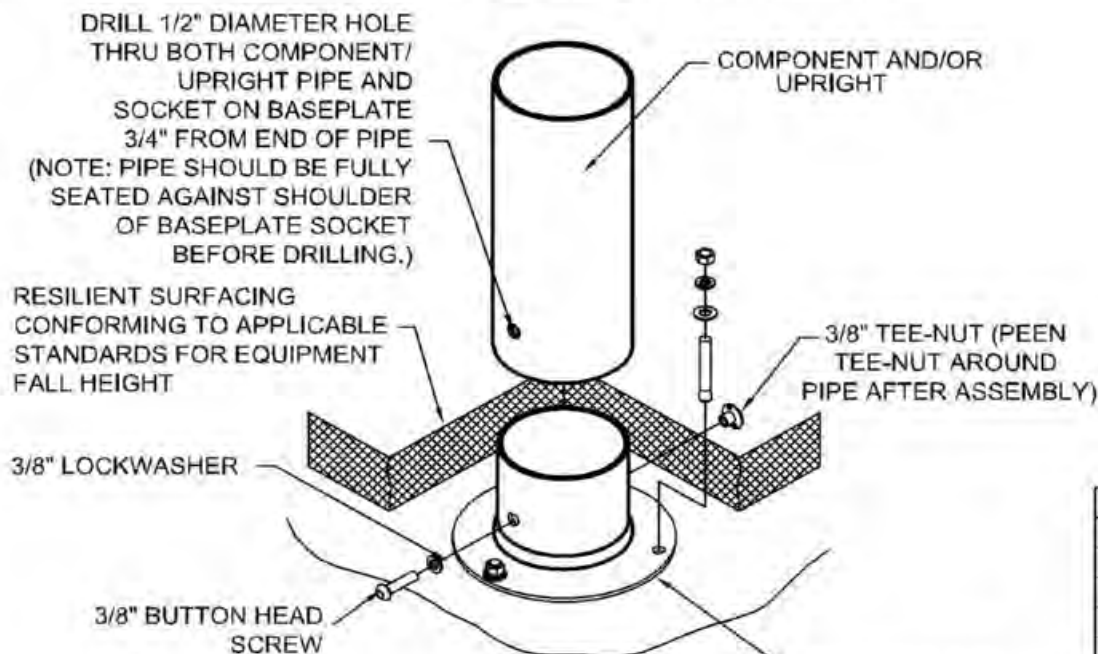
(FOR SURFACE MOUNT INSTALLATIONS)

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:

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



DETAIL 2

(SURFACE MOUNT PLATES)

CHART 2

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

SURFACE MOUNTS INSTALLATION INSTRUCTIONS

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

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

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

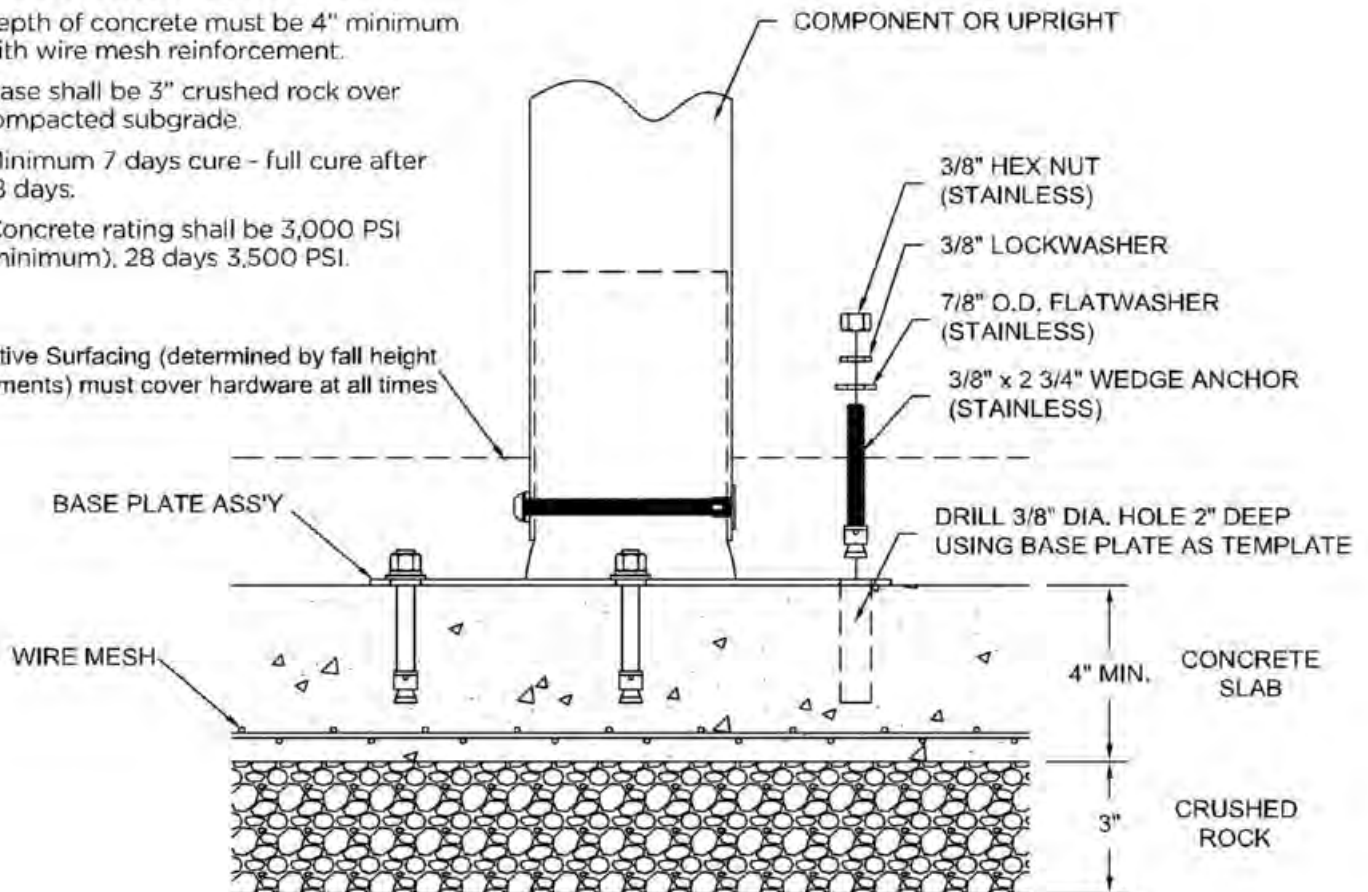
NOTE: Core holes can be created prior concrete pour by using pilling forms to create a void when pouring. See Detail 4.

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

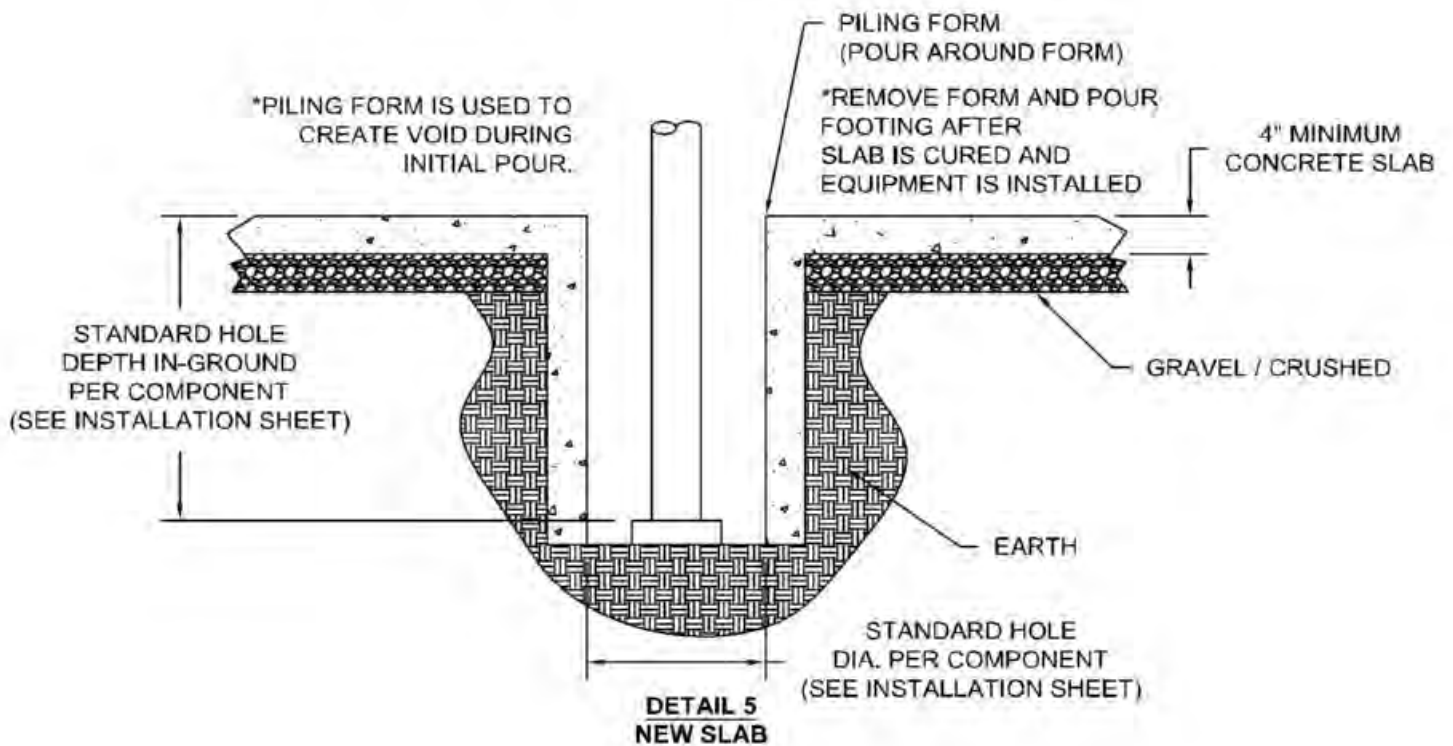
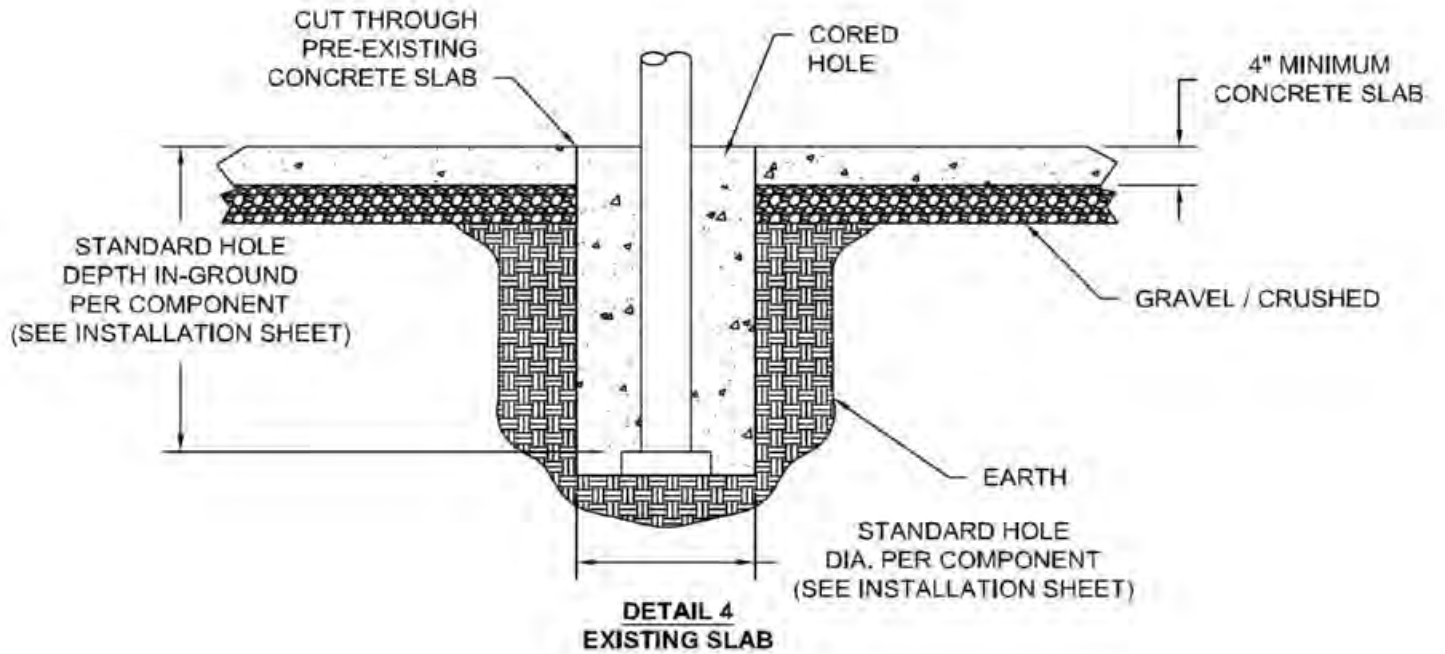
CONCRETE SPECIFICATIONS

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

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



DETAIL 3
SIDE VIEW OF
SURFACE MOUNT



GROUND PLAN INSTRUCTIONS

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

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

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

START POINT (X, Y Locator)

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

HOLE #1

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

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

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

HOLE #2

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

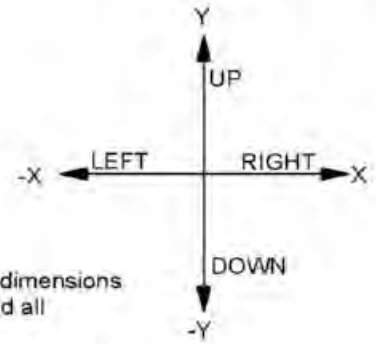
-With a second tape start at the "X" dimension and go in the "-Y" direction the distance specified in the "Y" column (-4'-0") of the Footings Ordinate Table for Hole #2.

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

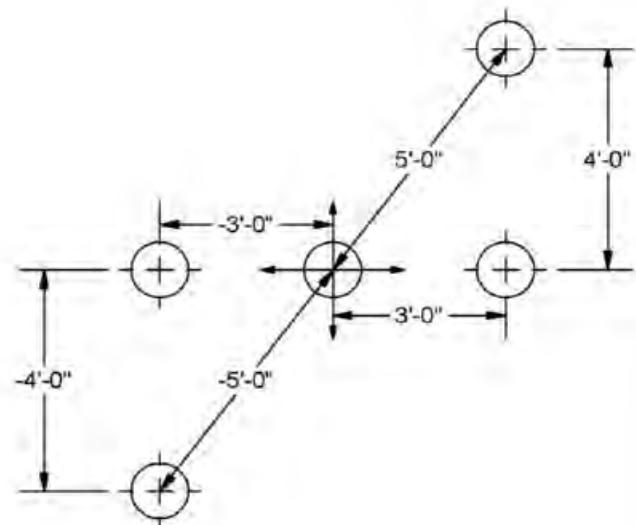
-When the "Y" dimension and the "DIAG" dimension meet this will be the center of Hole #2.

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

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



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



DEEPER INGROUND INSTALLATION INSTRUCTIONS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

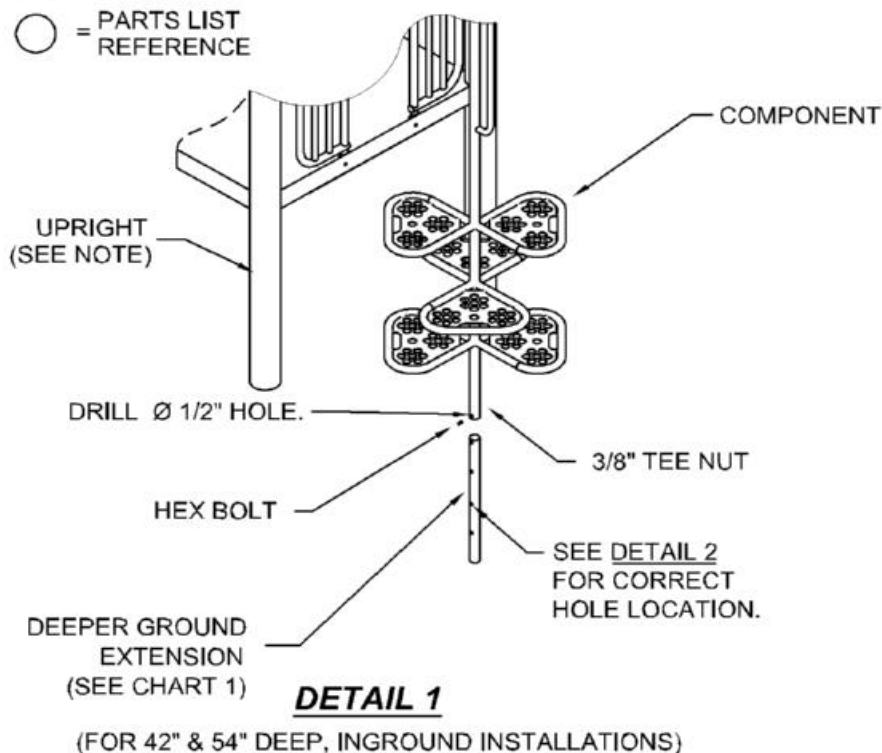
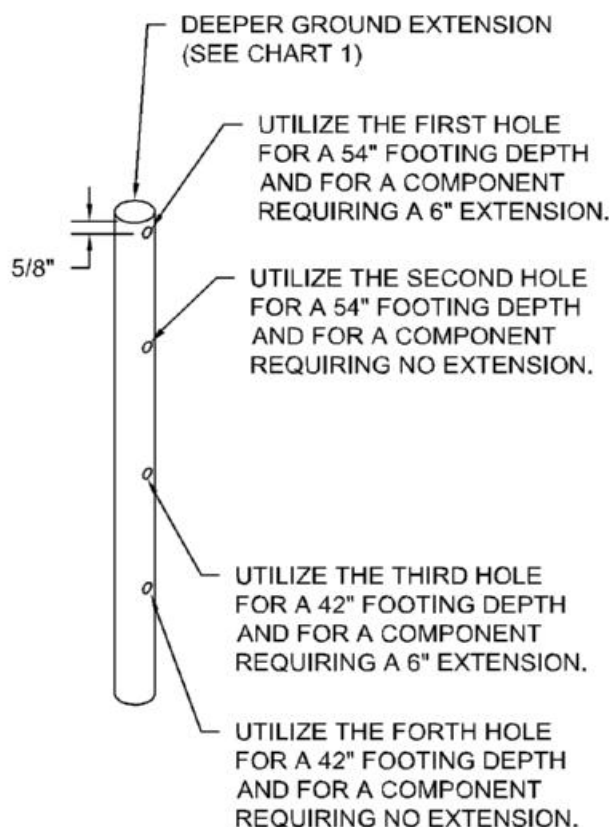


CHART 1

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



DEEPER INGROUND INSTALLATION INSTRUCTIONS

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

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

NOTE: Some In-ground 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 In-ground 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" in-ground Installations.

DETAIL 2



A PLAYCORE Company

1-800-235-2440

5056

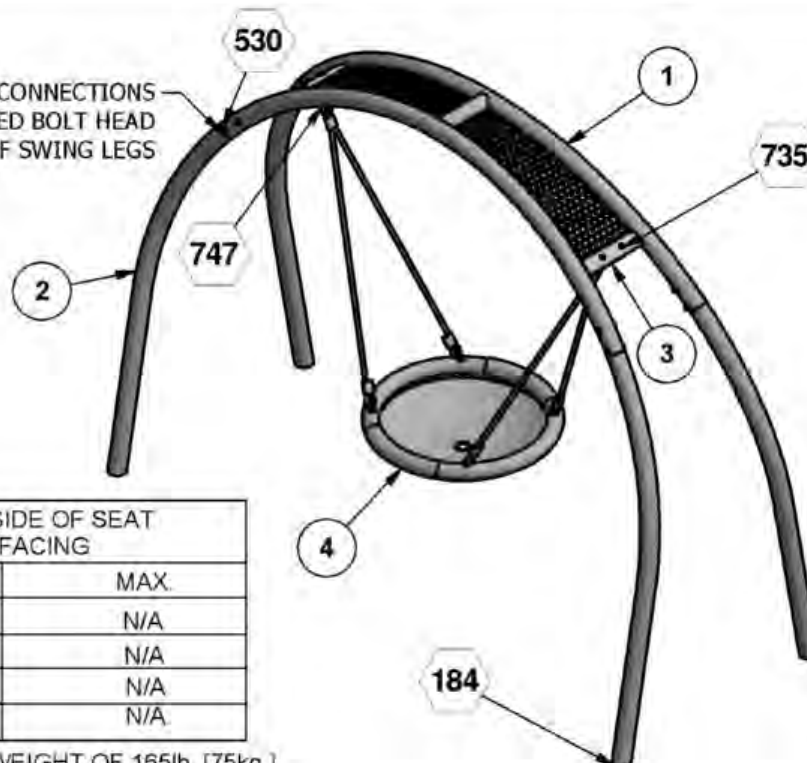
ARCH SWING

ISSUED/REVISED: 5/20/19

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

HARDWARE AT LEG CONNECTIONS
MUST HAVE ROUNDED BOLT HEAD
ON OUTSIDE OF SWING LEGS



DIMENSION FROM UNDERSIDE OF SEAT
TO PROTECTIVE SURFACING

STANDARD	MIN.	MAX.
*CANADIAN	300mm [11.81"]	N/A
ASTM	12" [305mm]	N/A
BS EN	400mm [15.75"]	N/A
CPSC	12" [305mm]	N/A

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

Parts List

REF	DESCRIPTION	QTY	PART NUMBER
1	TOPRAIL ASSEMBLY	1	205385
2	LEG	4	205387
3	MOUNTING PLATE BEARING ASSEMBLY	2	216675
4	SAUCER ASS'Y	1	216668
	HARDWARE COMPLETE	1	211062
	1/2" x 2 1/2" B.H.C.S.	4	811065*
	1/2" x 3 3/4" B.H.C.S.	8	811080*
	1/2" FLATWASHER	4	817412*
	1/2" HEX NUT	8	804055*
	1/2" LOCK NUT	4	804355*
	1/2" LOCKWASHER	12	817342*
	22" ANCHOR ROD	4	156063*
	1/2" THRUST BEARING	2	818389*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

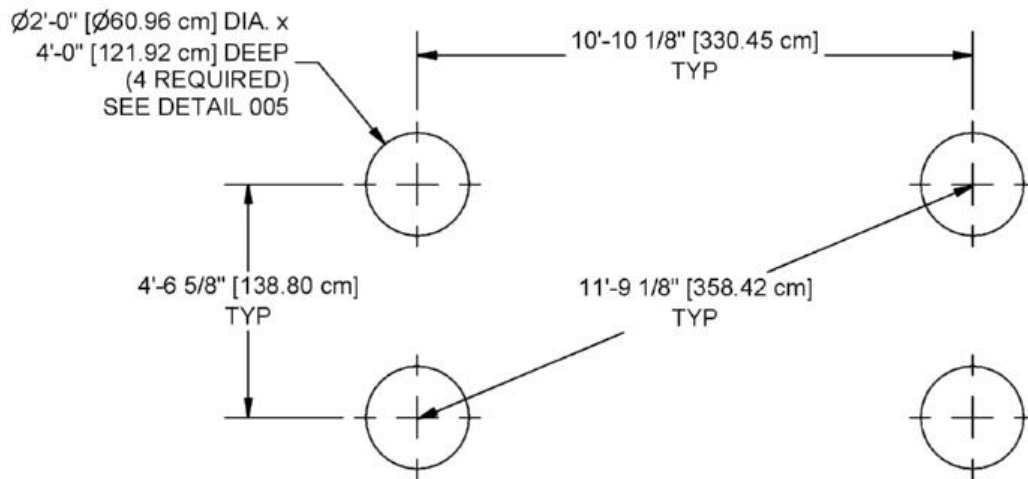
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

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

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

INSTALLATION INSTRUCTIONS:

1. Dig footing holes as shown in Plan and Elevation Views.
2. Attach the Legs to Toprail Assembly. See Detail 530.
3. Attach Mounting Plate Weld Assembly to Toprail Assembly using Detail 735.
4. Attach Saucer Assembly to Mounting Plate Weld Assembly using Detail 747. **Note:** Add Loctite (supplied by others) and tighten Shackle to 54 ft-lbs.
5. Plumb and level the entire assembly and tighten all fasteners.
6. After entire unit is assembled, pour concrete footings within 4" to the top and taper away from post for water drainage. Allow to cure at least 48 hours before use. **Note:** Temporary bracing may be required until concrete cures.
7. When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

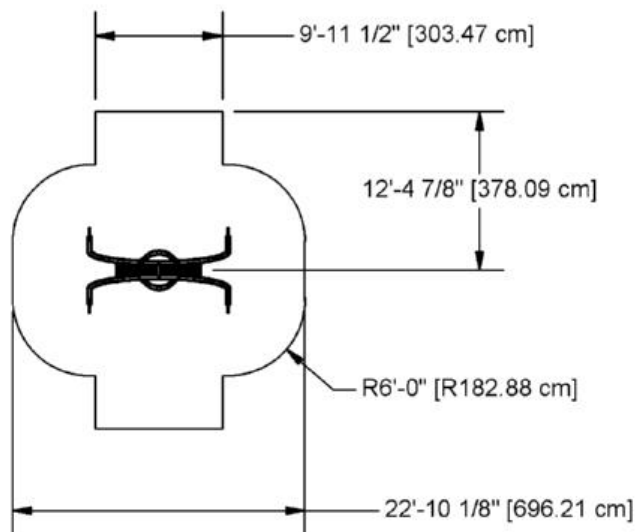


CONCRETE REQUIRED

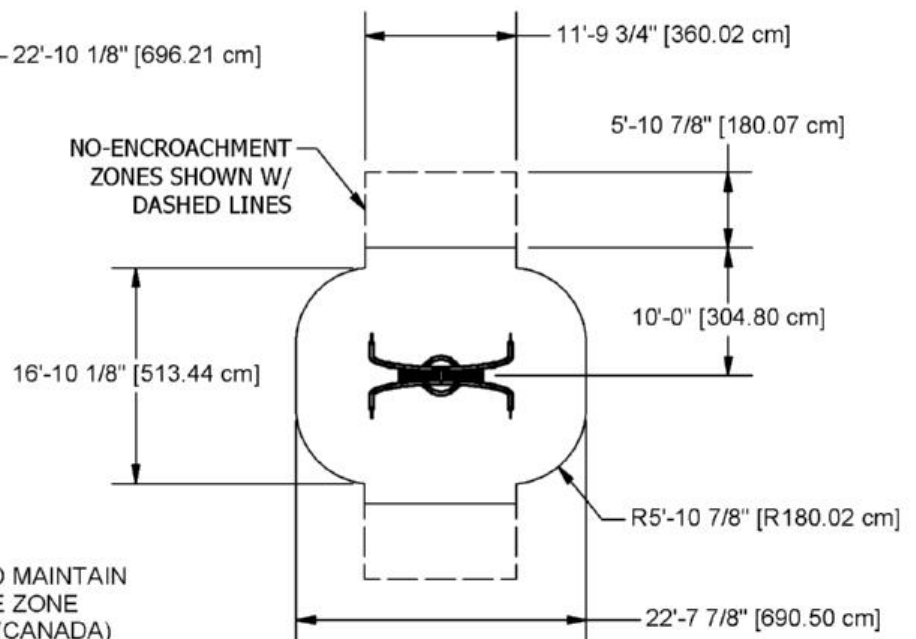
1.40 CUBIC YARDS
 1.07 CUBIC METERS

GROUND PLAN

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



TOP VIEW



CSA ONLY

NOTE:

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

SPECIFICATIONS

TOPRAIL ASSEMBLY AND LEGS: Shall be fabricated of 3-1/2" O.D. (11 Gauge) galvanized steel tubing.

MOUNTING PLATE WELD ASS'Y: Shall be fabricated of 3/8" thick HR steel and 3/4" thick HR steel.

SAUCER ASS'Y: Saucer seat shall be constructed using injection molded plastic, coated steel cable, and a formed and welded steel ring. Cable shall be 18mm diameter UV protected Polyamide Nylon rope with breaking load greater than or equal to 60KN. 6 strands each containing 19 steel reinforcement cords. (0.49mm cords within a Polypropylene Thermo-fixed sleeve wrapped around a reinforced fiber core containing 3 3.7mm strands.)

FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder with baked finish. Specify color desired.

POWDER COAT FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a four stage solvent / zirconium based bath system (free of iron phosphate), as a rust inhibitor, and a zirconium conversion coating to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating.

The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: Two coat process to achieve 3.0 - 5.0 mil thickness and oven cured between 350 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 350 degrees Fahrenheit for 10 minutes.

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

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

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

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

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ Test for free movement of swing and other moving parts attached.

☐ Check for worn cables and replace them.

☐ Replace worn or damaged seats.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

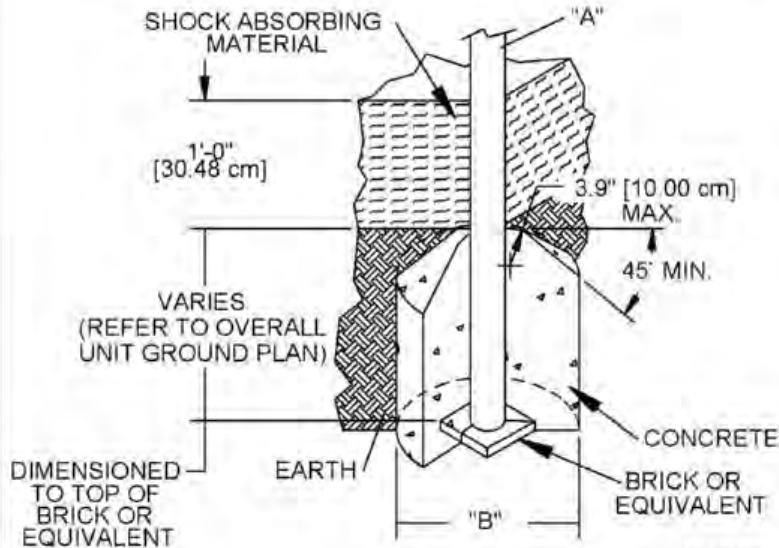
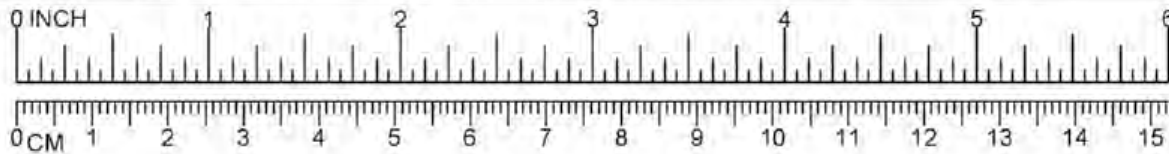
DETAILS -for- 5056

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.



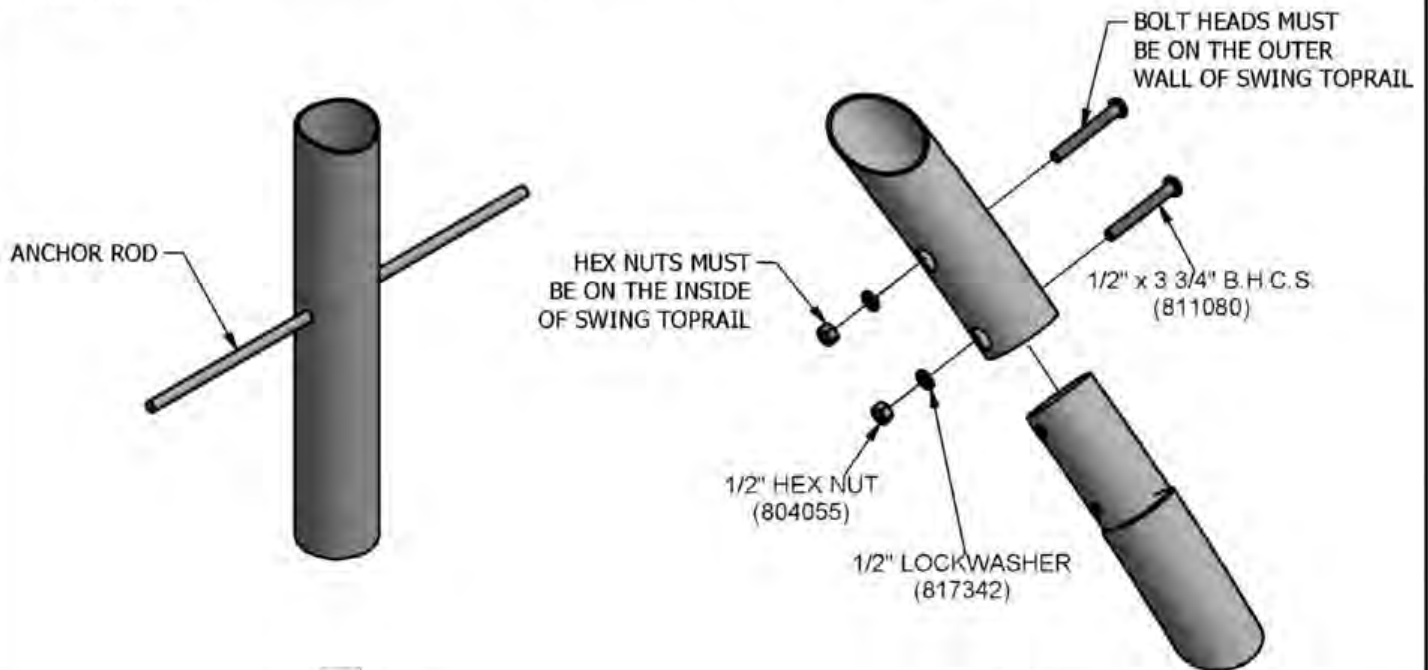
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



184

530

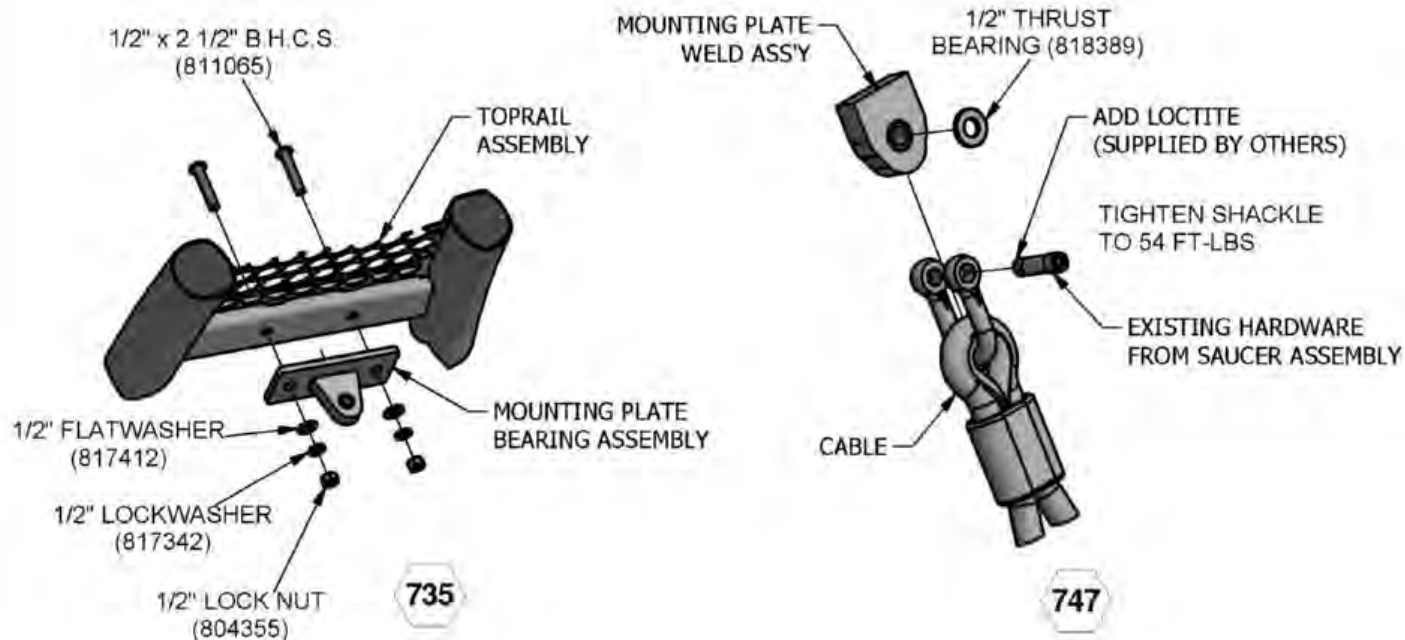
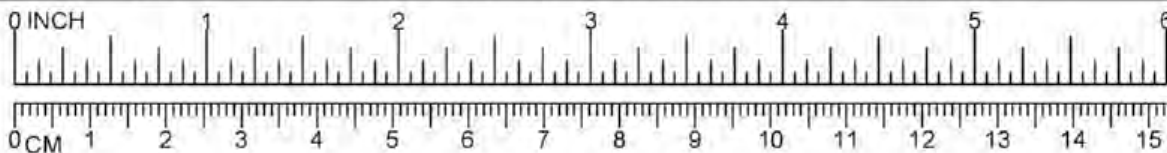
DETAILS -for- 5056

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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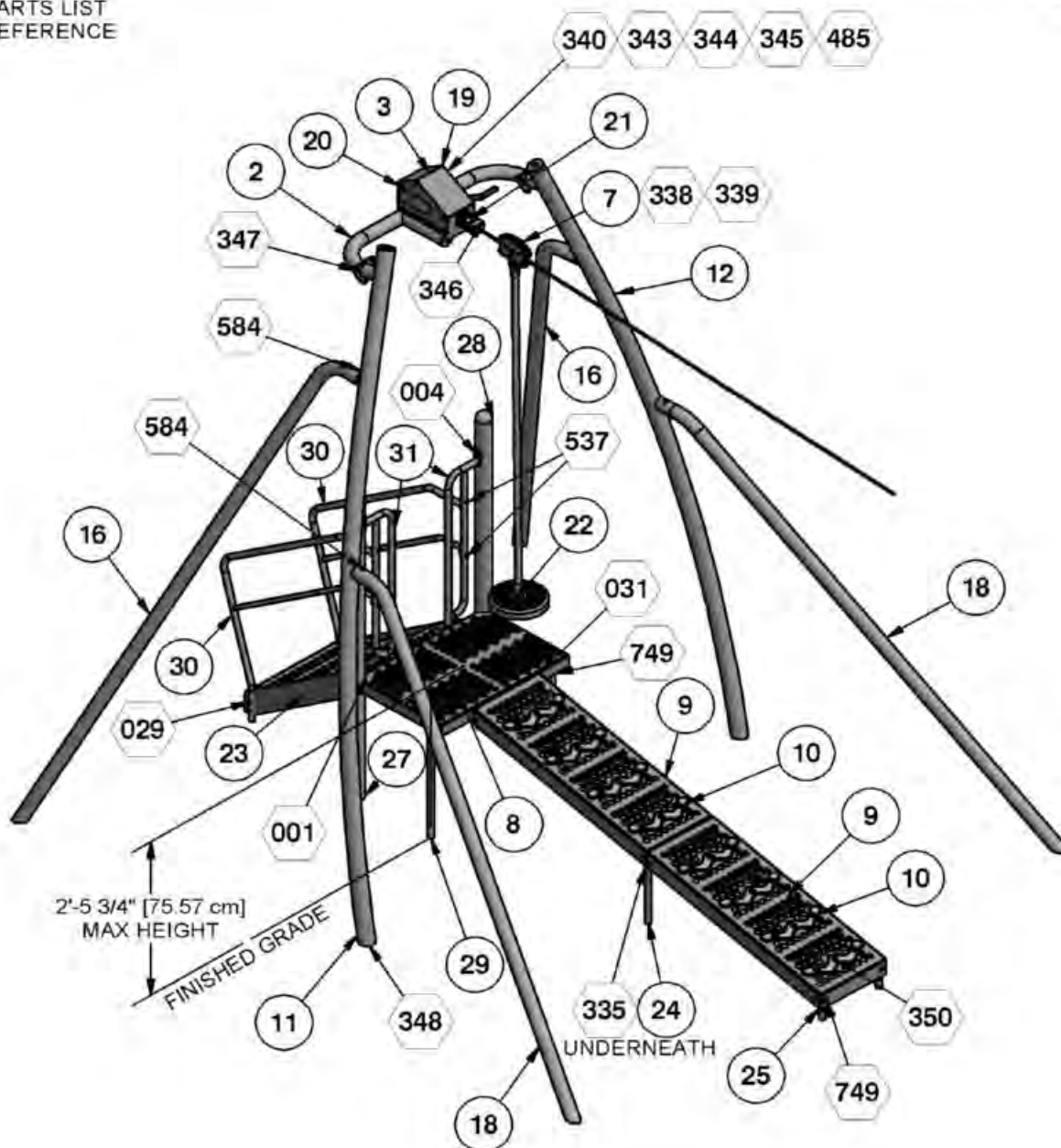
5112

SKYRUN ZIP LINE

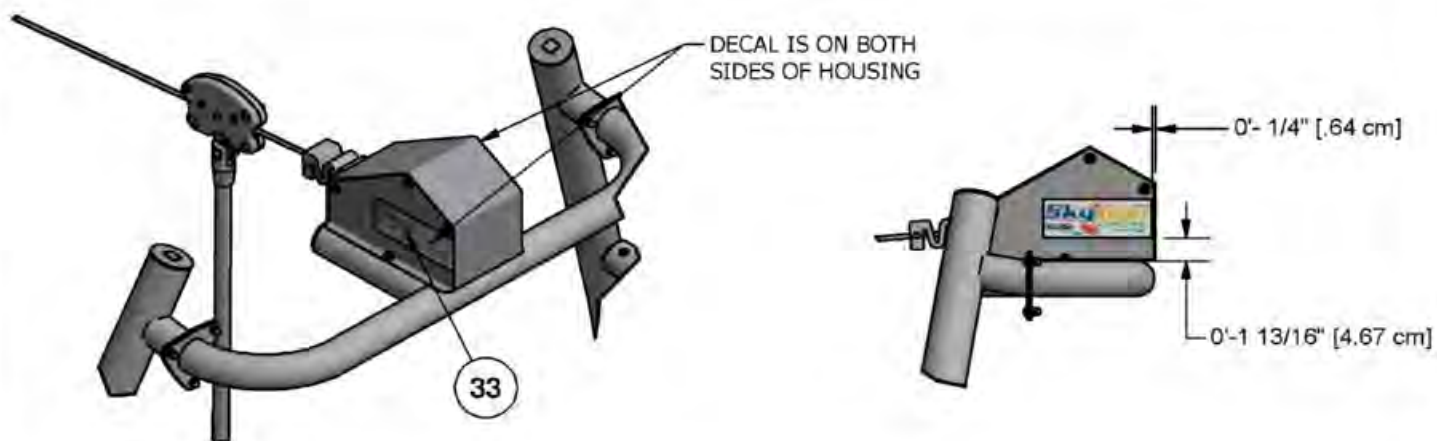
ISSUED/REVISED: 10/05/17

- ⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE

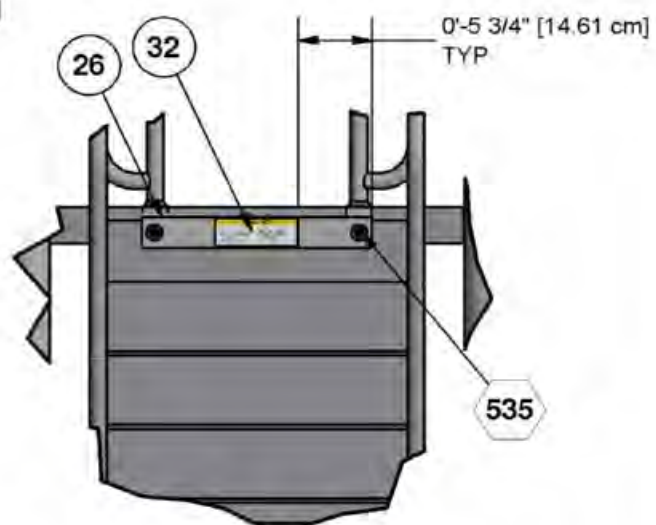
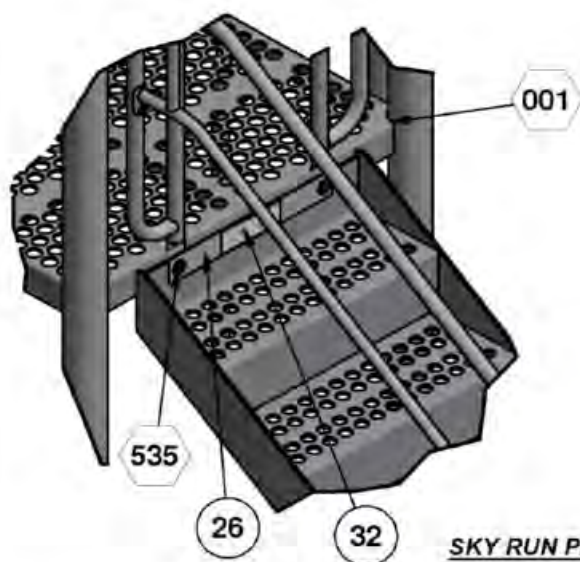
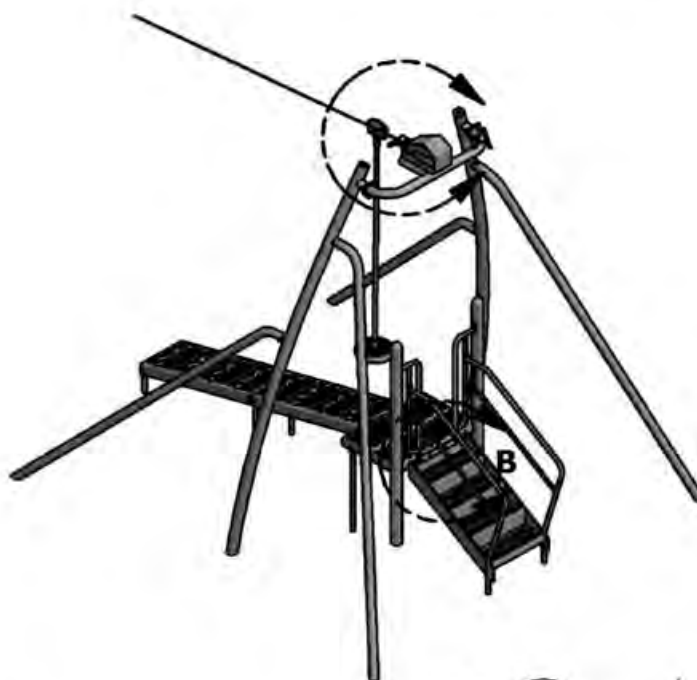
100' 5112
75' 5120



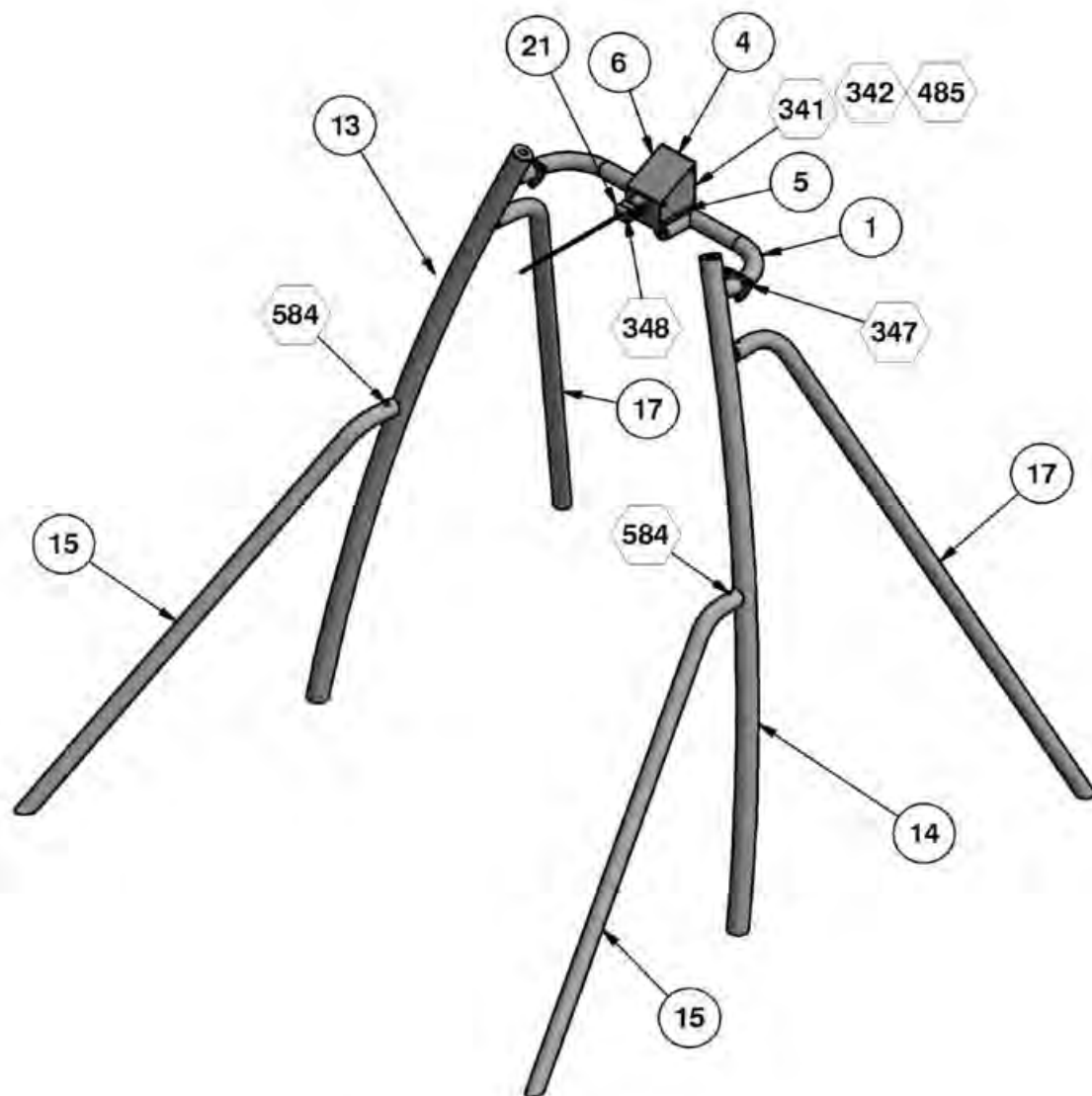
ASSEMBLY VIEW
5112 SHOWN



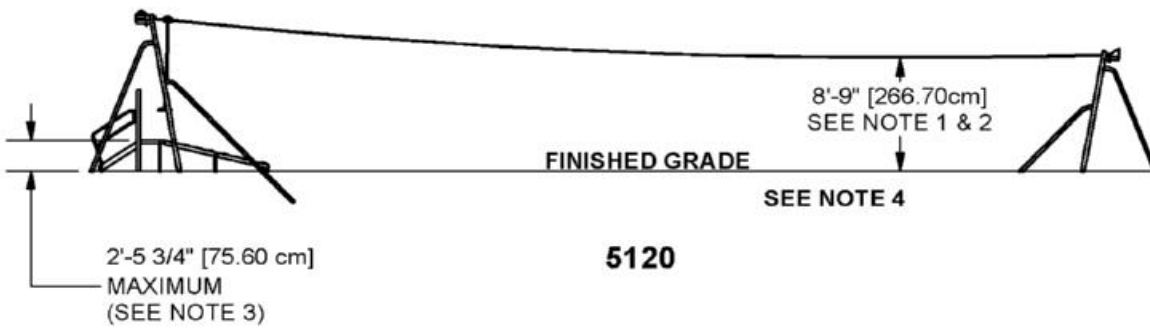
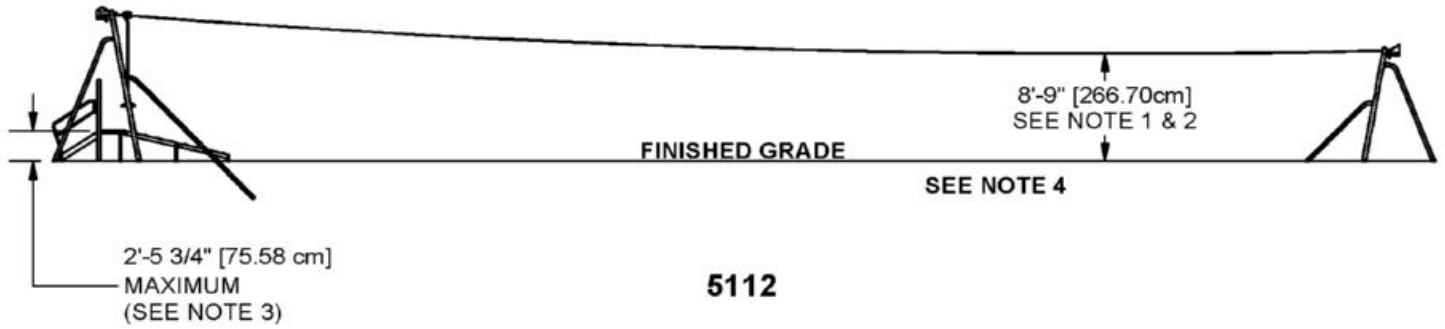
SKY RUN HOUSING DECAL DETAIL A



SKY RUN PLATFORM DECAL DETAIL B



ASSEMBLY VIEW
5112 SHOWN



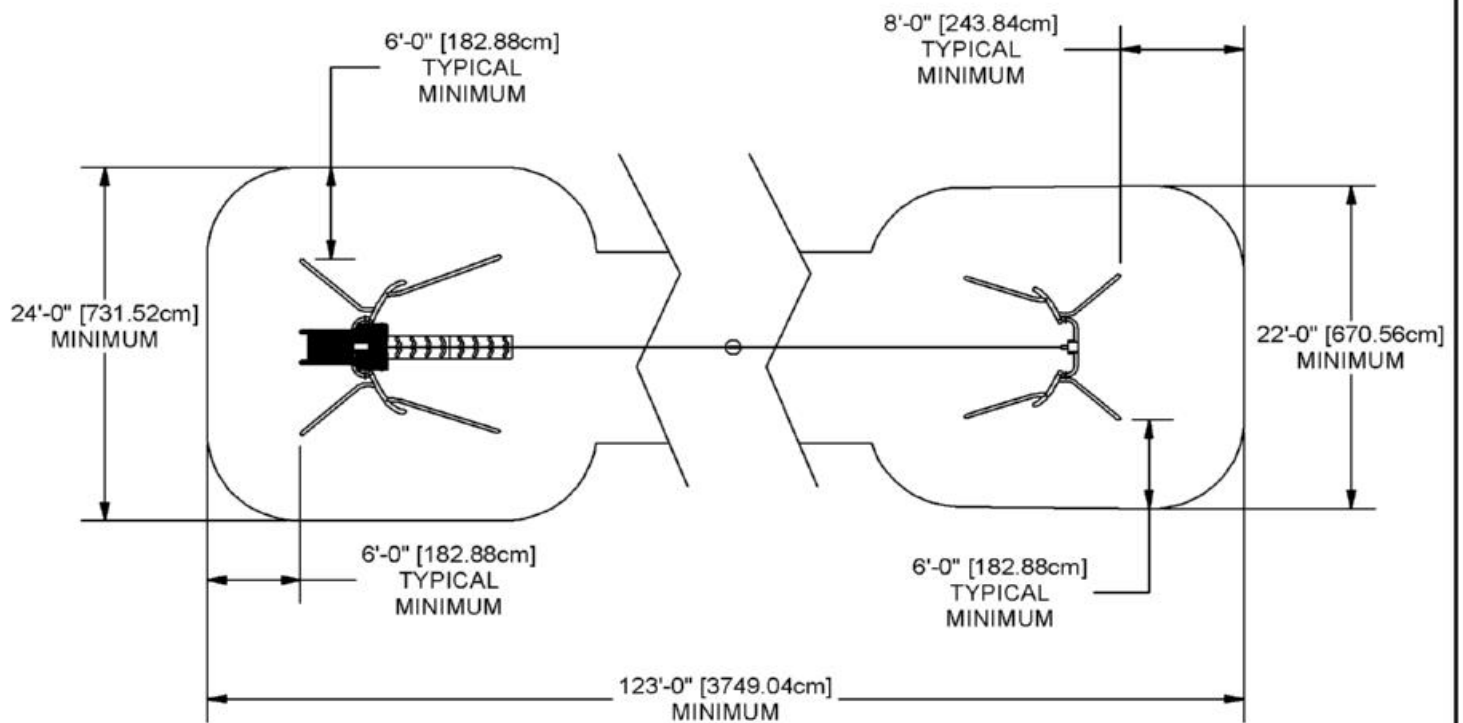
NOTE 1: PLEASE REFER TO HEIGHT DIMENSION FOR SKY RUN ZIP LINE CABLE INSTALLTION

NOTE 2: MINIMUM HEIGHT REQUIRED FROM LOWEST POINT OF CABLE TO THE FINISH GRADE

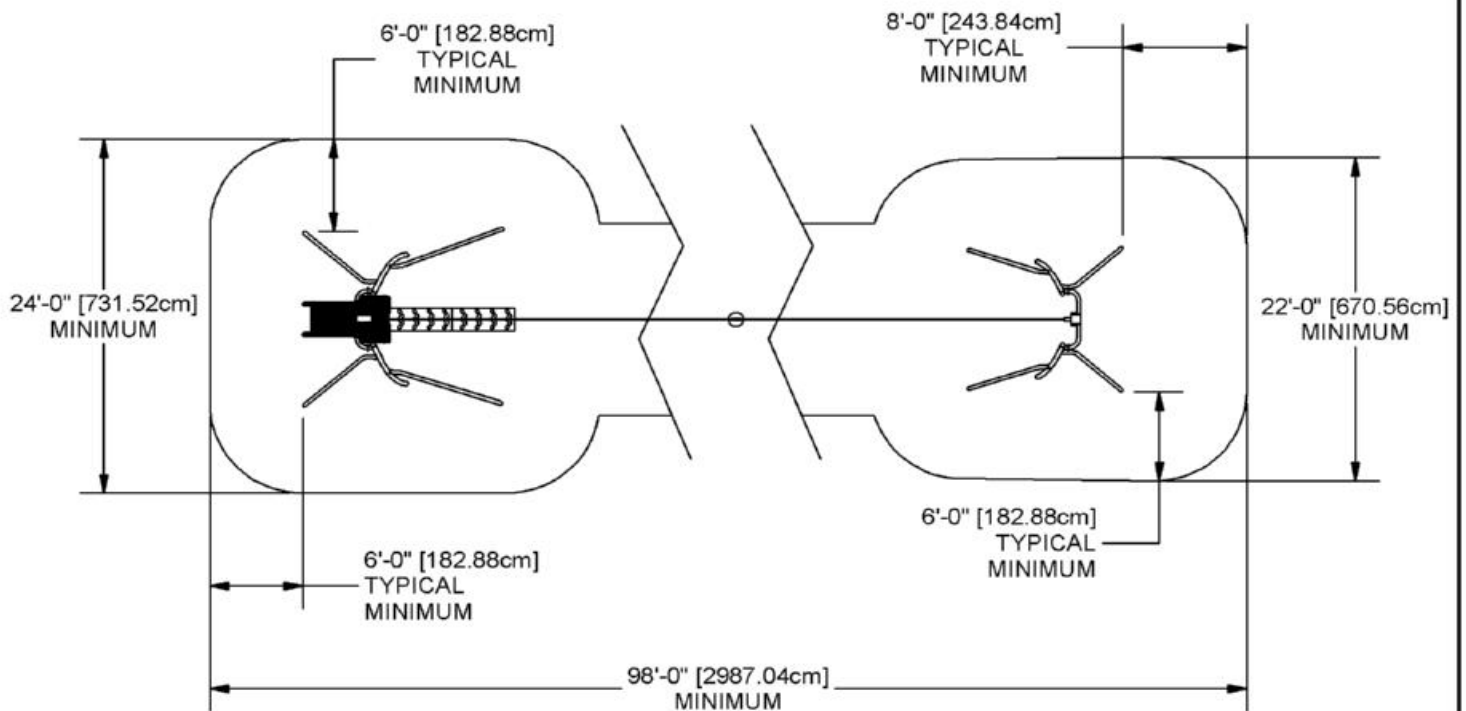
NOTE 3: MAXIMUM HEIGHT REQUIRED FROM TOP OF PLATFORM TO THE FINISH GRADE

NOTE 4: THIS PRODUCT IS INTENDED FOR FLAT ELEVATIONS

NOTE 5: RETENSION THE CABLE PERIODICALLY TO MAINTAIN CABLE HEIGHT. 8'-9" FROM THE FINISHED GRADE



**5112 SKY RUN ZIP LINE
MINIMUM USE ZONES**



**5120 SKY RUN ZIP LINE
MINIMUM USE ZONES**

Parts List				
REF	DESCRIPTION	5112	5120	PART NUMBER
1	NON WINCH SUPPORT W/INSERTS ASS'Y	1	1	206277
2	WINCH SUPPORT W/INSERTS ASS'Y	1	1	206292
3	FORMED HOUSING W/INSERTS ASS'Y	1	1	206272
4	FORMED HOUSING NON WINCH W/INSERT ASS'Y	1	1	206266
5	RIGHT FORMED PANEL NON WINCH	1	1	206311
6	LEFT FORMED PANEL NON WINCH	1	1	206312
7	PULLEY HOUSING ASS'Y	1	1	212706
8	COATED DECK	1	1	212294
9	COATED PUNCHED WALKWAY	2	2	179568
10	HDPE STEP	8	8	207624
11	LEFT FORMED SUPPORT WELD ASS'Y 12'	1	1	205814
12	RIGHT FORMED SUPPORT WELD ASS'Y 12'	1	1	205819
13	LEFT FORMED SUPPORT WELD ASS'Y 10'	1	1	205809
14	RIGHT FORMED SUPPORT WELD ASS'Y 10'	1	1	205817
15	SUPPORT PIPE	2	2	205834
16	SUPPORT PIPE	2	2	205835
17	SUPPORT PIPE	2	2	205833
18	SUPPORT PIPE	2	2	205836
19	RIGHT FORMED PANEL	1	1	206313
20	LEFT FORMED PANEL	1	1	206314
21	RUBBER STOPPER	2	2	207399
22	ZIP SEAT 86 15/16" ROPE ASS'Y	1	1	213227
23	COATED 2'-6" PERFORATED METAL STAIRS ASS'Y	1	1	158898
24	MEDIUM FOOTBUCK	2	2	207021
25	SHORT FOOTBUCK	2	2	207019
26	SKY RUN SIGN PLATE	1	1	208691
27	UPRIGHT	1	1	GSC3FV
28	UPRIGHT	1	1	GSC3FU
29	LONG FOOTBUCK	2	2	212413
30	HANDRAIL WELD ASSEMBLY	2	2	202882
31	D-RING w/ HOLES	2	2	202879
	CLAMP	2	2	207598
	WINCH ASS'Y	1	1	206265
	EXPANDED PIPE	2	2	205840
	100' CABLE	1	0	206359
	75' CABLE	0	1	207585

*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.

**PARTS LIST CONTINUED
ON THE NEXT PAGE**

Parts List				
REF	DESCRIPTION	5112	5120	PART NUMBER
	HARDWARE COMPLETE	1	1	212306
	CLIP ASS'Y	5	5	206297*
	3/8" LOCK WASHER	72	72	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	42	42	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	31	31	812050*
	3/8" x 1 1/4" B.H.C.S.	10	10	811051*
	3/8" x 1 1/2" B.H.C.S.	4	4	811053*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	812057*
	3/8" x 3" HEX HEAD BOLT	1	1	801011*
	3/8" BARREL NUT	8	8	804804*
	3/8" FLAT WASHER	62	62	817410*
	3/8" HEX NUT	3	3	804053*
	3/8" ACORN NUT	12	12	804002*
	3/8" T-NUT	42	42	804556*
	3/8" LOCK NUT	1	1	804353*
	3/8" FLAT WASHER (1 1/4" O.D.)	18	18	817424*
	1/2" x 1 1/4" B.H.C.S.	1	1	811062*
	1/2" FLAT WASHER (1 3/8" O.D.)	2	2	817425*
	1/2" HEX NUT	3	3	804055*
	1/2" LOCKWASHER	3	3	817342*
	1/2" x 4" HEX HEAD BOLT	2	2	801217*
	RUBBER GROMMET	2	2	213229*
32	SKY RUN PLATFORM DECAL	1	1	208689*
33	SKY RUN HOUSING DECAL	2	2	208688*

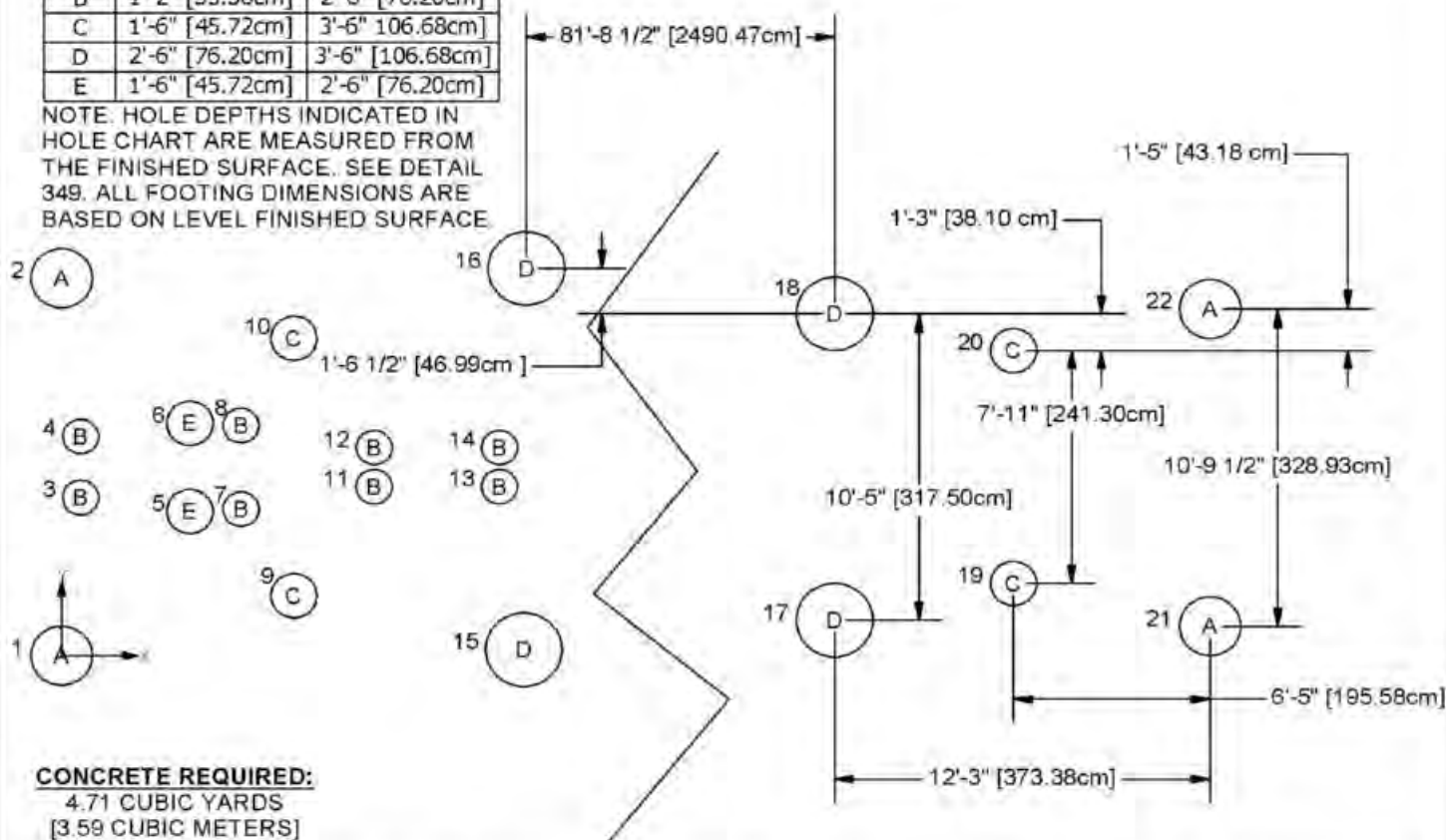
Unless Otherwise Specified, All Units of Measure are Each
 * Included in Hardware

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.

HOLE CHART		
HOLE	DIAMETER	DEPTH
A	2'-0" [60.96cm]	3'-6" [106.68cm]
B	1'-2" [35.56cm]	2'-6" [76.20cm]
C	1'-6" [45.72cm]	3'-6" [106.68cm]
D	2'-6" [76.20cm]	3'-6" [106.68cm]
E	1'-6" [45.72cm]	2'-6" [76.20cm]

NOTE: HOLE DEPTHS INDICATED IN HOLE CHART ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 349. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



CONCRETE REQUIRED:

4.71 CUBIC YARDS
[3.59 CUBIC METERS]

NOTE 1: SEE GROUND PLAN INSTRUCTIONS ON PAGE 8 FOR CLARIFICATION ON HOW TO LAYOUT ORDINATE TABLE

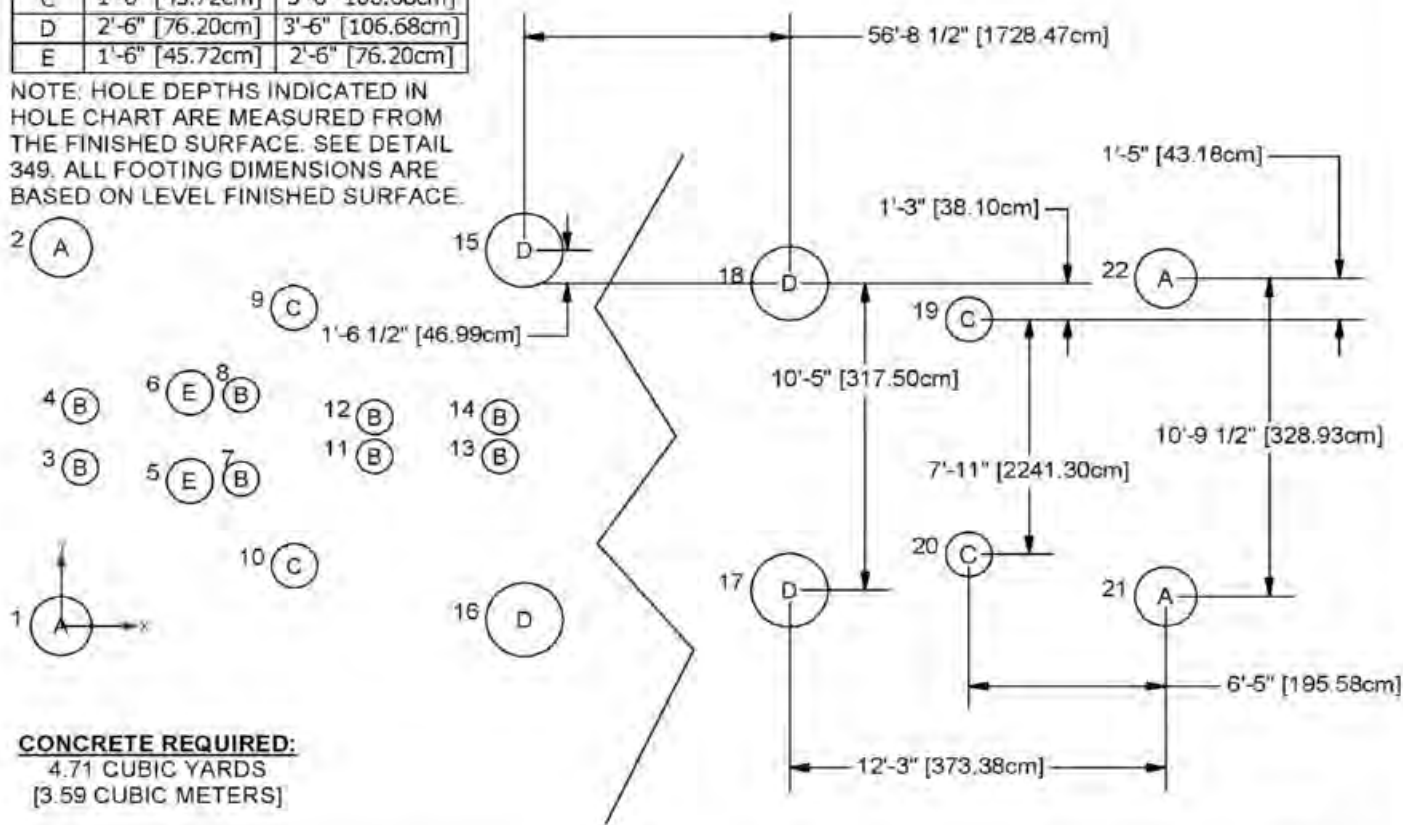
5112 GROUND PLAN

NOTE 2: SEE HOLE CHART FOR SPECIFIC HOLE DIAMETER AND DEPTHS.

5112 ORDINATE TABLE			
HOLE	X	Y	DIAG
1	0'-0"	0'-0"	0'-0"
2	0'-0"	12'-10" [391.16 cm]	12'-10" [391.16 cm]
3	0'-7 1/2" [214.63 cm]	5'-4 1/2" [163.83 cm]	5'-5" [165.10 cm]
4	0'-7 1/2" [214.63 cm]	7'-5 1/2" [227.33 cm]	7'-6" [228.60 cm]
5	4'-2 1/2" [128.27 cm]	4'-11" [149.86 cm]	6'-5 1/2" [196.85 cm]
6	4'-2 1/2" [128.27 cm]	7'-11" [241.30 cm]	8'-11 1/2" [273.05 cm]
7	5'-10 1/2" [179.07 cm]	5'-0" [152.40 cm]	7'-8 1/2" [234.95 cm]
8	5'-10 1/2" [179.07 cm]	7'-10" [238.76 cm]	9'-9 1/2" [298.45 cm]
9	7'-7" [231.14 cm]	2'-0 1/2" [62.23 cm]	7'-10" [238.76 cm]
10	7'-7" [231.14 cm]	10'-9 1/2" [328.93 cm]	13'-2 1/2" [402.549 cm]
11	10'-2 1/2" [311.15 cm]	5'-9" [175.26 cm]	11'-8 1/2" [356.87 cm]
12	10'-2 1/2" [311.15 cm]	7'-1" [213.36 cm]	12'-5" [378.46 cm]
13	14'-3 1/2" [435.61 cm]	5'-9" [175.26 cm]	15'-5" [469.90 cm]
14	14'-3 1/2" [435.61 cm]	7'-1" [213.36 cm]	15'-11 1/2" [486.41 cm]
15	15'-1" [459.74 cm]	0'-2 1/2" [6.35 cm]	15'-1" [459.74 cm]
16	15'-2" [462.28 cm]	13'-2" [350.52 cm]	20'-1" [612.14 cm]
17	96'-10 1/2" [2979.42 cm]	1'-2 1/2" [36.83 cm]	96'-10 1/2" [2794.42 cm]
18	96'-10 1/2" [2979.42 cm]	11'-7 1/2" [354.33 cm]	97'-7" [2971.80cm]
19	102'-8 1/2" [3130.55 cm]	2'-5 1/2" [74.93 cm]	102'-9" [3131.82 cm]
20	102'-8 1/2" [3130.55 cm]	10'-4 1/2" [316.23 cm]	103'-3" [3147.66 cm]
21	109'-1 1/2" [3329.94 cm]	1'-0" [30.48 cm]	109'-1 1/2" [3329.94 cm]
22	109'-1 1/2" [3329.94 cm]	11'-9 1/2" [359.41cm]	109'-9" [3345.18 cm]

HOLE CHART		
HOLE	DIAMETER	DEPTH
A	2'-0" [60.96cm]	3'-6" [106.68cm]
B	1'-2" [35.56cm]	2'-6" [76.20cm]
C	1'-6" [45.72cm]	3'-6" [106.68cm]
D	2'-6" [76.20cm]	3'-6" [106.68cm]
E	1'-6" [45.72cm]	2'-6" [76.20cm]

NOTE: HOLE DEPTHS INDICATED IN HOLE CHART ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 349. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



CONCRETE REQUIRED:
4.71 CUBIC YARDS
[3.59 CUBIC METERS]

NOTE 1: SEE GROUND PLAN INSTRUCTIONS ON PAGE 8 FOR CLARIFICATION ON HOW TO LAYOUT ORDNATE TABLE

5120 GROUND PLAN

NOTE 2: SEE HOLE CHART FOR SPECIFIC HOLE DIAMETER AND DEPTHS.

5120 ORDNATE TABLE			
HOLE	X	Y	DIAG
1	0'-0"	0'-0"	0'-0"
2	0'-0"	12'-10" [391.16 cm]	12'-10" [391.16 cm]
3	0'-7 1/2" [214.63 cm]	5'-4 1/2" [163.83 cm]	5'-5" [165.10 cm]
4	0'-7 1/2" [214.63 cm]	7'-5 1/2" [227.33 cm]	7'-6" [228.60 cm]
5	4'-2" [127 cm]	4'-11" [149.86 cm]	6'-5 1/2" [196.85 cm]
6	4'-2" [127 cm]	7'-11" [241.30 cm]	8'-11 1/2" [273.05 cm]
7	5'-10 1/2" [179.07 cm]	5'-0" [152.40 cm]	7'-8 1/2" [234.95 cm]
8	5'-10 1/2" [179.07cm]	7'-10" [238.76 cm]	9'-9 1/2" [298.45 cm]
9	7'-7" [231.14 cm]	10'-9 1/2" [328.93 cm]	13'-2" [401.32 cm]
10	7'-7" [231.14 cm]	2'-0 1/2" [62.23 cm]	7'-10 1/2" [240.03 cm]
11	10'-2 1/2" [311.15 cm]	5'-9" [175.26 cm]	11'-8 1/2" [356.87 cm]
12	10'-2 1/2" [311.15 cm]	7'-1" [215.90 cm]	12'-5" [378.46 cm]
13	14'-3 1/2" [435.61 cm]	5'-9" [175.26 cm]	15'-5" [469.90 cm]
14	14'-3 1/2" [435.61 cm]	7'-1" [215.90 cm]	15'-11 1/2" [486.41 cm]
15	15'-1" [459.74 cm]	12'-9" [317.50 cm]	19'-9" [601.98 cm]
16	15'-1" [459.74 cm]	0'-2 1/2" [6.35 cm]	15'-1" [459.74 cm]
17	71'-10 1/2" [2190.75 cm]	1'-2 1/2" [36.83 cm]	71'-10 1/2" [2190.75 cm]
18	71'-10 1/2" [2190.75 cm]	11'-7 1/2" [354.33 cm]	72'-9 1/2" [2218.69 cm]
19	77'-8 1/2" [2368.55 cm]	10'-5" [317.50 cm]	78'-5" [2390.14 cm]
20	77'-8 1/2" [2368.55 cm]	2'-5" [73.66 cm]	77'-9" [2369.82 cm]
21	84'-1 1/2" [2564.13 cm]	1'-0" [30.48 cm]	84'-1 1/2" [2564.13 cm]
22	84'-1 1/2" [2564.13 cm]	11'-9 1/2" [359.41 cm]	84'-11 1/2" [2564.13 cm]

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.

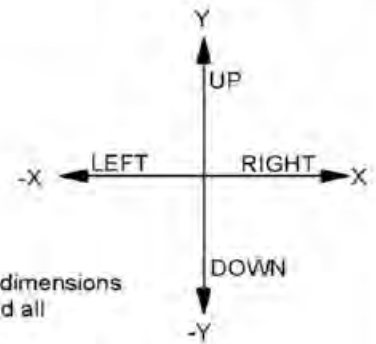
-With a second tape start at the "X" dimension and go in the "-Y" direction the distance specified in the "Y" column (-4'-0") of the Footings Ordinate Table for Hole #2.

-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.

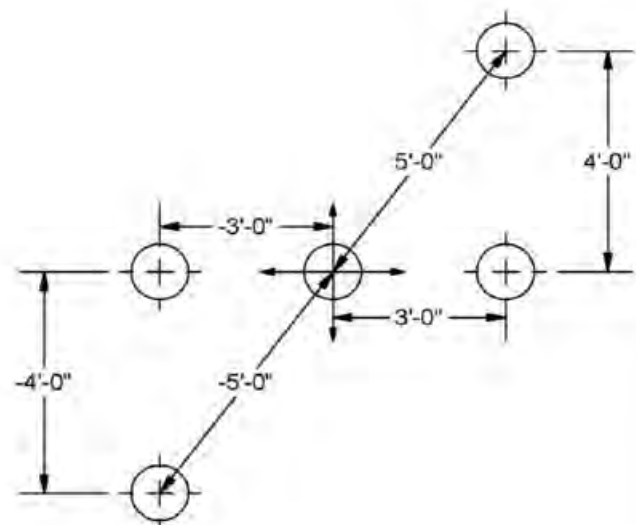
-When the "Y" dimension and the "DIAG" dimension meet this will be the center of Hole #2.

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"



INSTALLATION INSTRUCTIONS

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

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

NOTE: Equipment shall be installed be with following steps:

Step 1: Lay out ground holes using plan views provided for 5120 or 5112 version of Sky Run Zip-line.

Step 2: After digging holes, place brick or equivalent in the bottom of each hole to give a solid foundation for the equipment. Refer the ground plan and concrete detail 349.

Step 3: Attach extensions to the Left and right supports as shown in Detail 348. Attach appropriate left and right formed supports to winch support assembly as shown in Detail 347.

Step 4: Attach four supports to the main frame as shown in Detail 584.

Step 5: Repeat step 3 and 4 for construction of non-winch support side of Sky Run Zip-line.

Step 6: Assemble platform stairs, coated punched walkway and foot bucks. Refer to Details 001, 004, 029, 031, 335, 339, 350, 749 & 535.

Step 7: Level and plumb the equipment components.

Step 8: Pour concrete according to the concrete Detail and 349. Allow the concrete to cure for 48 hours.

Step 9: Attach hand winch to the hand winch support assembly as shown in Detail 343.

Step 10: Attach Rubber Grommet to both formed housings as shown in detail 485.

Step 11: Pass the cable through the formed housing, one rubber stopper, the pulley housing, through the other rubber stopper, and the last formed housing. Refer Details 346 and 338.

Step 12: Attach the cable on non-winch end of Sky Run Zip-line using wire rope clips. Make sure to wrap the cable on top and bottom face of wire rope clips before it passes through the clamp. Refer Detail 341. Secure all the fasteners.

Step 13: Cable shall be connected by looping it around hand winch using the wire rope clip as shown in the Detail 344. Secure all the fasteners.

Step 14: Cable shall be tightened using the provided winch handle. Refer to page 3 for required cable height from finish grade.

Step 15: Cover the winch assembly and non-winch side using formed housing and side plates. Refer Details 340, 342 & 485.

Step 16: Connect Sky Run Seat and Rope Assembly as shown in Detail 339.

Step 17: Apply Decals to Housing and Platform as shown in Decal Detail Views.

Step 18: TO MAINTAIN CABLE HEIGHT 8'-9" FROM FINISHED GRADE, TENSION THE CABLE PERIODICALLY.

SPECIFICATIONS:

PLATFORMS, STAIRS AND RAMPS: The Sky-line platform and ramp assembly shall be made from 12 gauge punched steel with a protective P&O finish. The Stairs and stringers shall be fabricated from 11 gauge punched steel with a protective P & O finish. Stair handraile shall be fabricated from 1-5/16" o.d. x .083" (14 gauge) wall galvanized steel tubing and 3/16" hot rolled flat steel. The handrails shall be an all-welded assembly and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication. The Platform, Stairs and Ramps shall consist of a welded assembly with an oven cured matte finish polyvinyl chloride (PVC) coating with a minimum coating thickness of .080". The Platform shall be exclusively dipped utilizing the DuraWear process with an extra thick coating on the top of the deck. The PVC coating shall have a hardness of Shore A 83 +/-5 normal durometer range. This material is classed as "Self Extinguishing", meets or exceeds automotive specifications NVSS302, and contains ultraviolet inhibitors to help prolong the life of the coating. The hole size shall measure 1-1/4" diameter after coating.

WELD ASSEMBLIES: Main winch support and non winch support attachment shall be fabricated from 3-1/2" O.D. x 0.216" and 2.875" O.D. x .203" cold rolled galvanized steel tubing. Platform support assembly shall be manufactured with 3/16" x 9-1/2" thick hot rolled steel plate and 5" O.D. galvanized upright. The upright shall be 11 gauge (.120") galvanized round tubing, manufactured to ASTM A-500 Grade B tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for steel coil. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi. The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D. The main support frame assemblies and formed supports shall be coated with a custom formula of TGIC polyester powder, after fabrication in conformance with the specifications outlined herein.

STEEL UPRIGHTS: Shall be 3.5" outside diameter, 13 gauge (.095") galvanized round tubing, manufactured to ASTM A-500 Section II tolerances from cold-formed steel conforming to ASTM a-569 Sheet Spec. for Steel Coil. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi. The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. Galvanizing coverage shall demonstrate the ability to exceed 1,000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D.

FOOTBUCKS AND SUPPORT PIPES The Footbucks shall be fabricated of 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing. The vertical rungs shall be fabricated of 1-1/16" O.D. x .075" (15 gauge) wall galvanized steel tubing. Support pipes shall be fabricated from 2.875" O.D. x .203" cold rolled galvanized steel tubing. The Footbucks and Support pipes shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

HDPE STEPS: HDPE steps shall be made from 0.75" (19.0mm) thick (solid) high density, UV-stabilized, laminated and color impregnated polyethylene.

HAND WINCH: Hand winch for Sky-line shall be Dutton Lainson d13200 hand winch and should have high carbon steel heat-treated gears, permanently lubricated bearings and reversible ratchet. Included handle shall have ergonomic handle grip with Zinc TUFFPLATE finish.

ZIP LINE TROLLEY: Zip line trolley should be 14000lbs capacity, stainless steel construction trolley, assembled with stainless steel side plates, two 2" steel sheaves, bearing, and stainless steel axle.

SPECIFICATIONS CONTINUED ON NEXT PAGE.

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

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

ZIP SEAT: Shall be constructed out of 1/8" thick 3003-H14 Aluminum Alloy, with a coating of EPDM Black Polymer. Hardness: ASTM D2240 Shore A Points 61, Tensile ASTM D412 Min. Mpa 10.1, Elongation ASTM D412 Min% 697.

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- ☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- ☐ Equipment should be placed to eliminate conflicting traffic patterns.
- ☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- ☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- ☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- ☐ Never add components not intended for use with this product.
- ☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- ☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

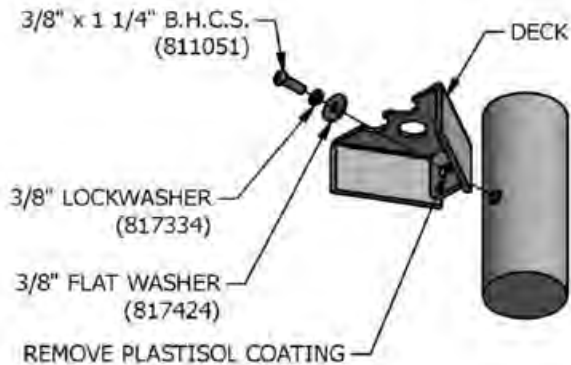
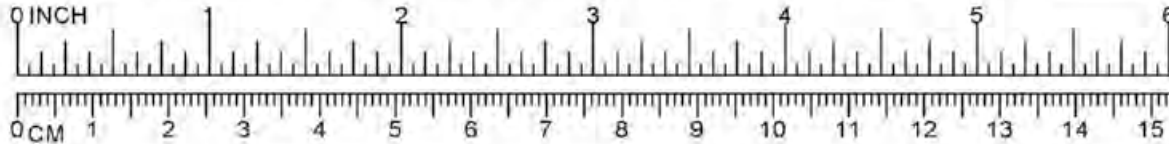
DETAILS -for- 5112 AND 5120

IMPORTANT

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

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

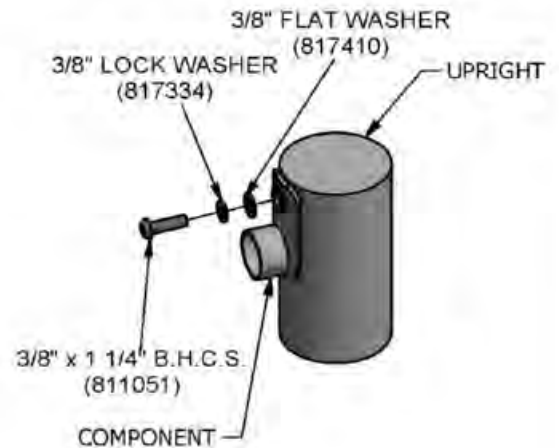
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



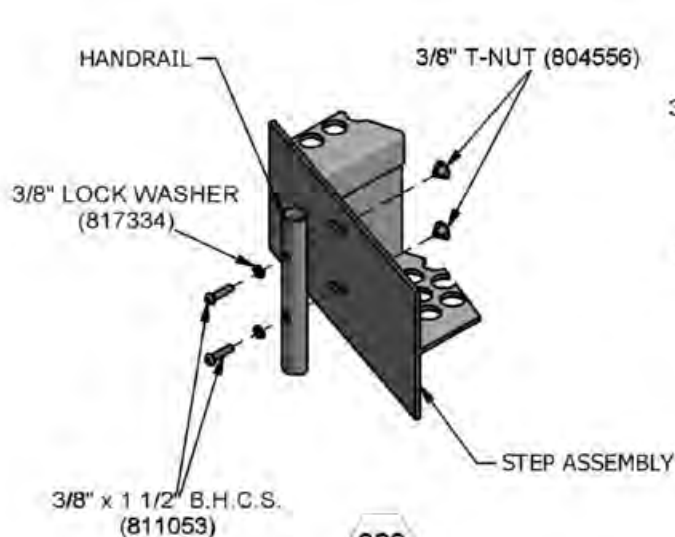
NOTE:
BOLTS SHOULD BE
TORQUED TO 20-25 FT.
LBS. FOR PROPER
INSTALLATION.

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

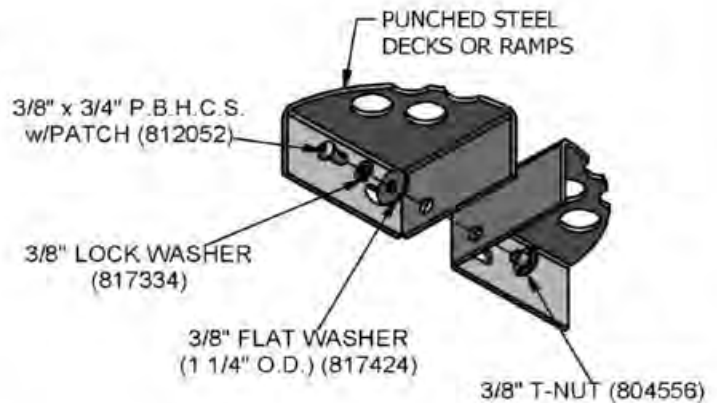
001



004



029



031

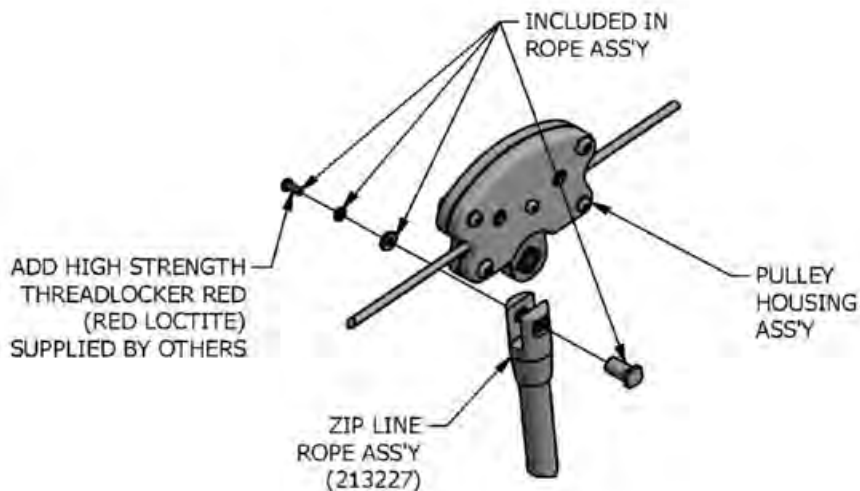
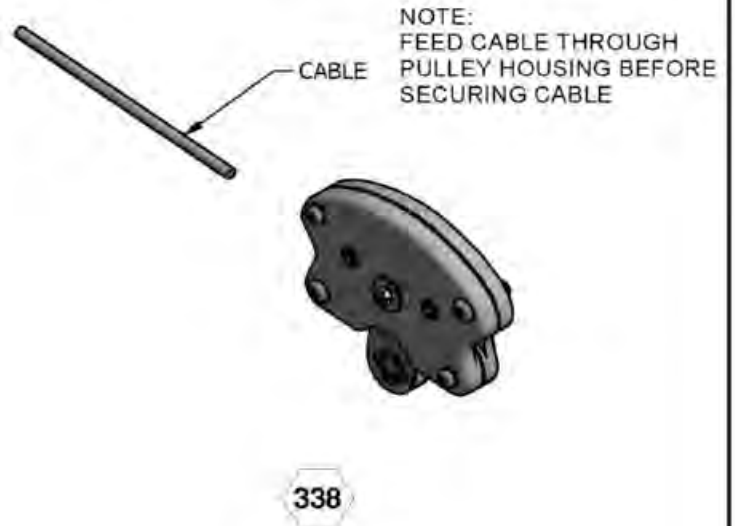
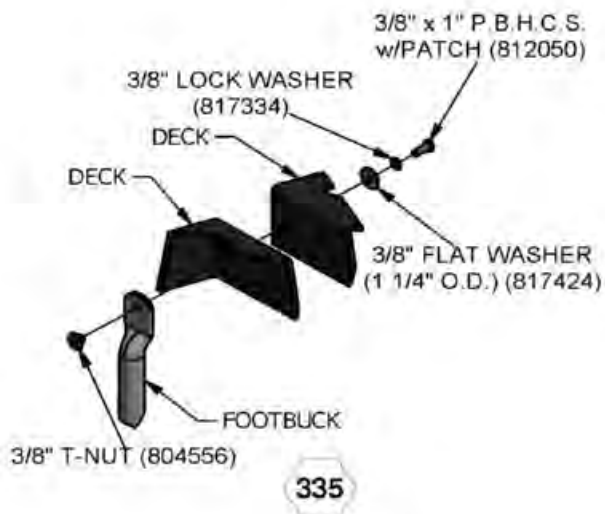
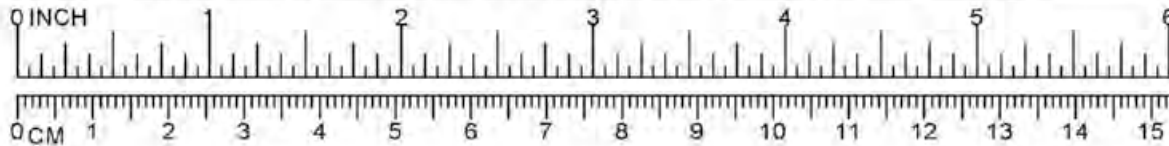
DETAILS -for- 5112 AND 5120

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



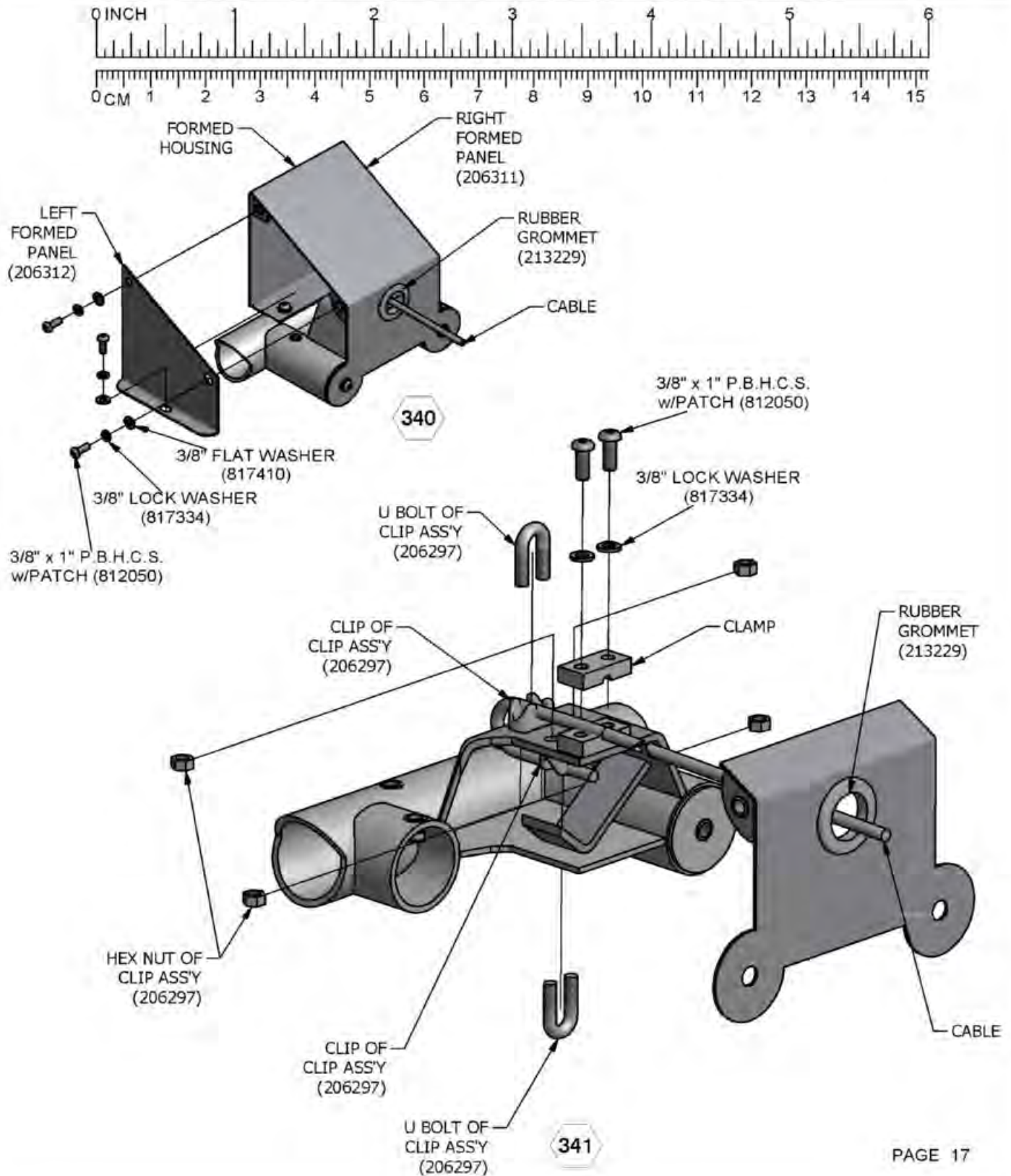
DETAILS -for- 5112 AND 5120

IMPORTANT

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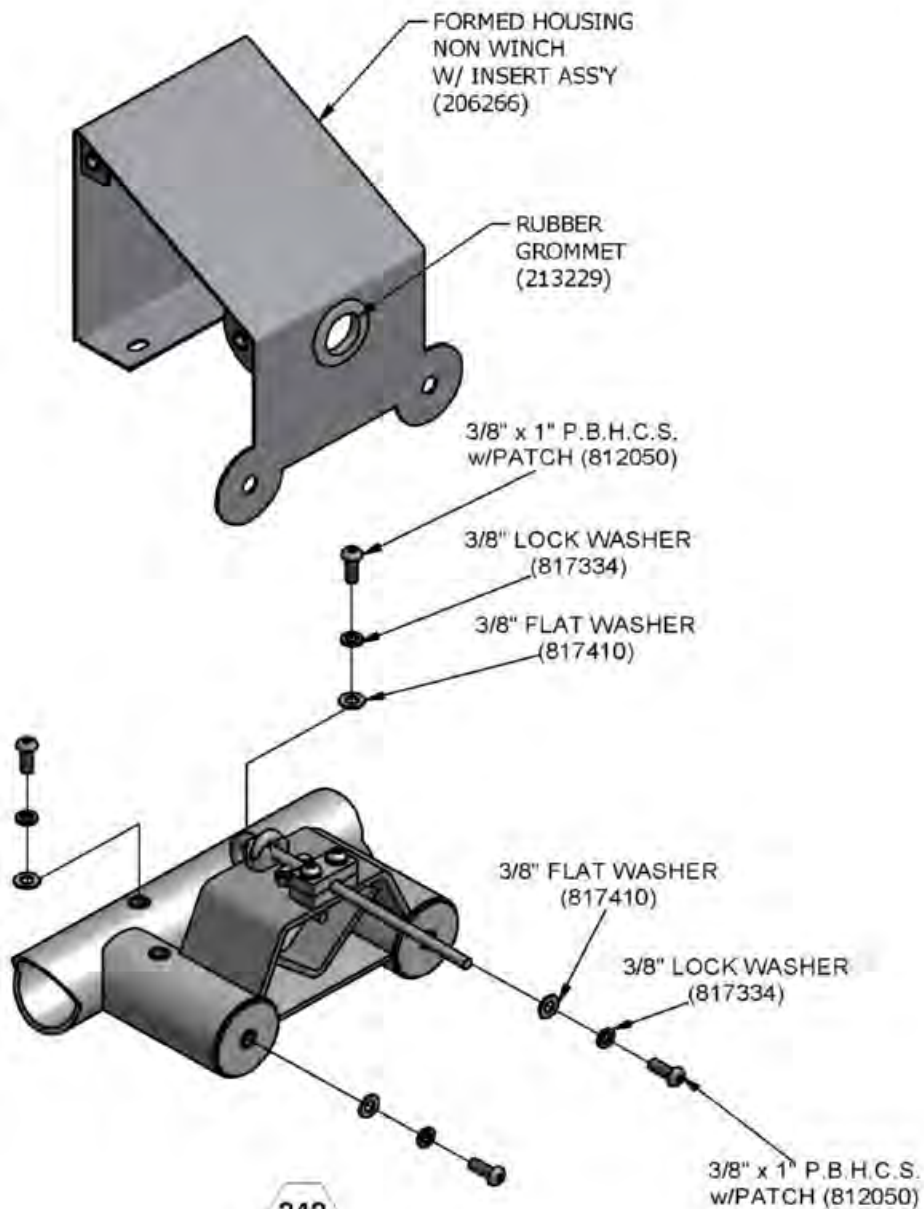
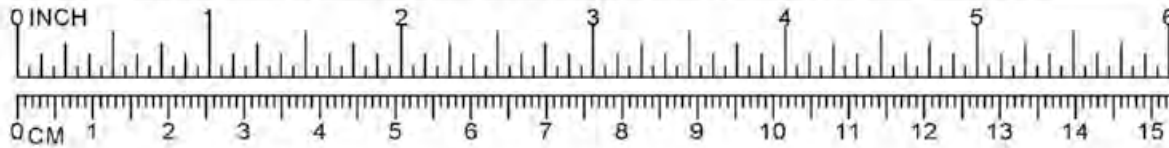
DETAILS -for- 5112 AND 5120

IMPORTANT

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



342

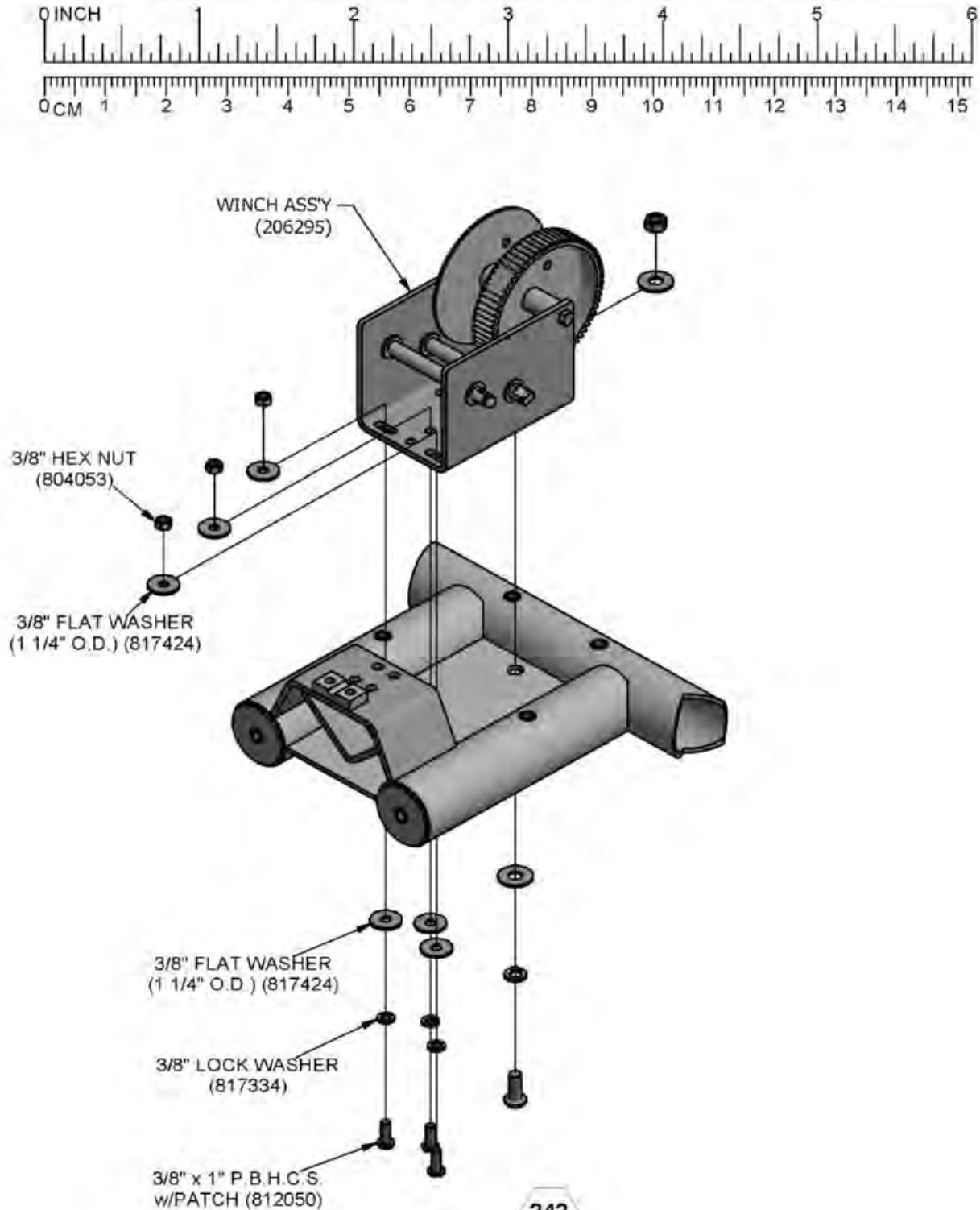
DETAILS -for- 5112 AND 5120

IMPORTANT

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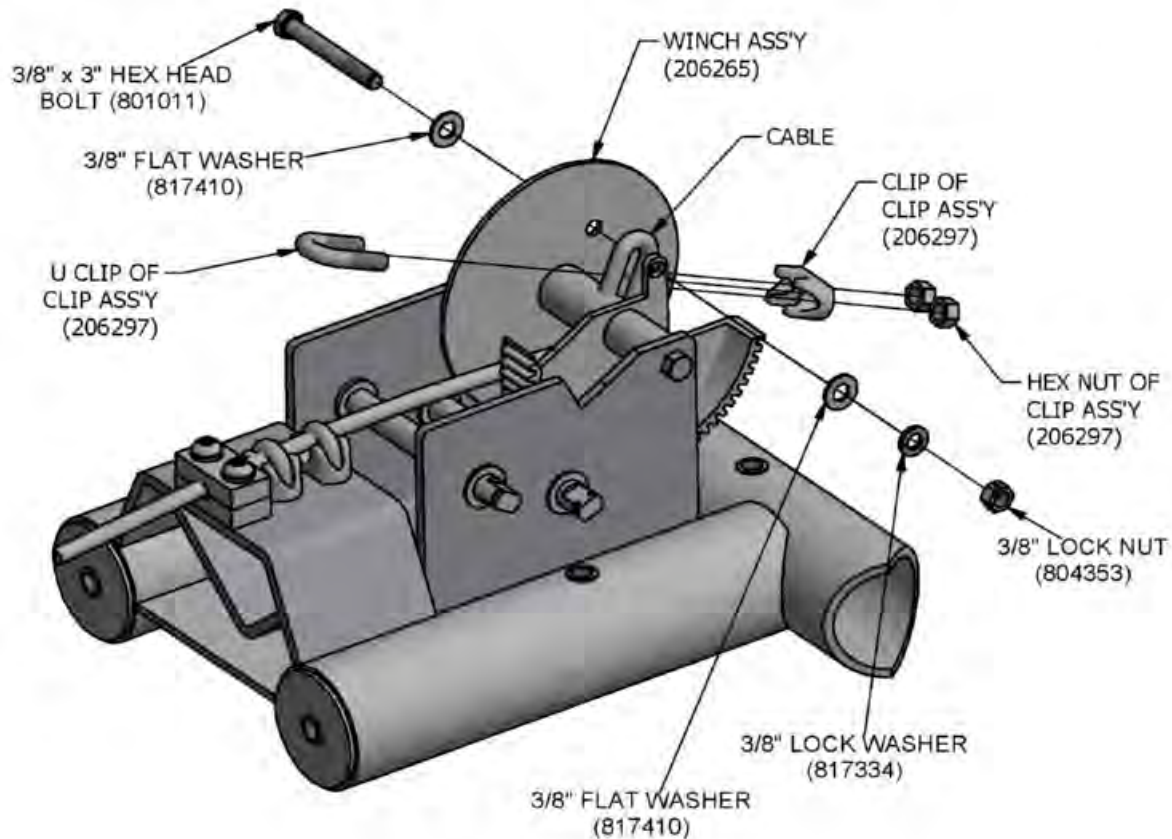
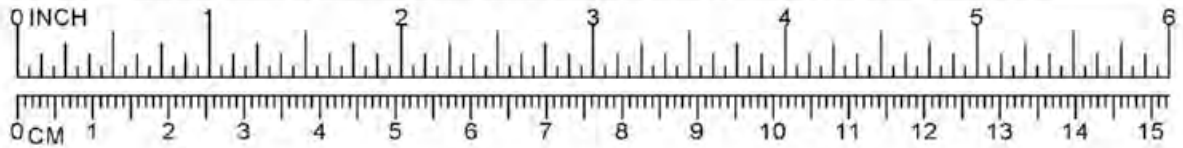
DETAILS -for- 5112 AND 5120

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.



344

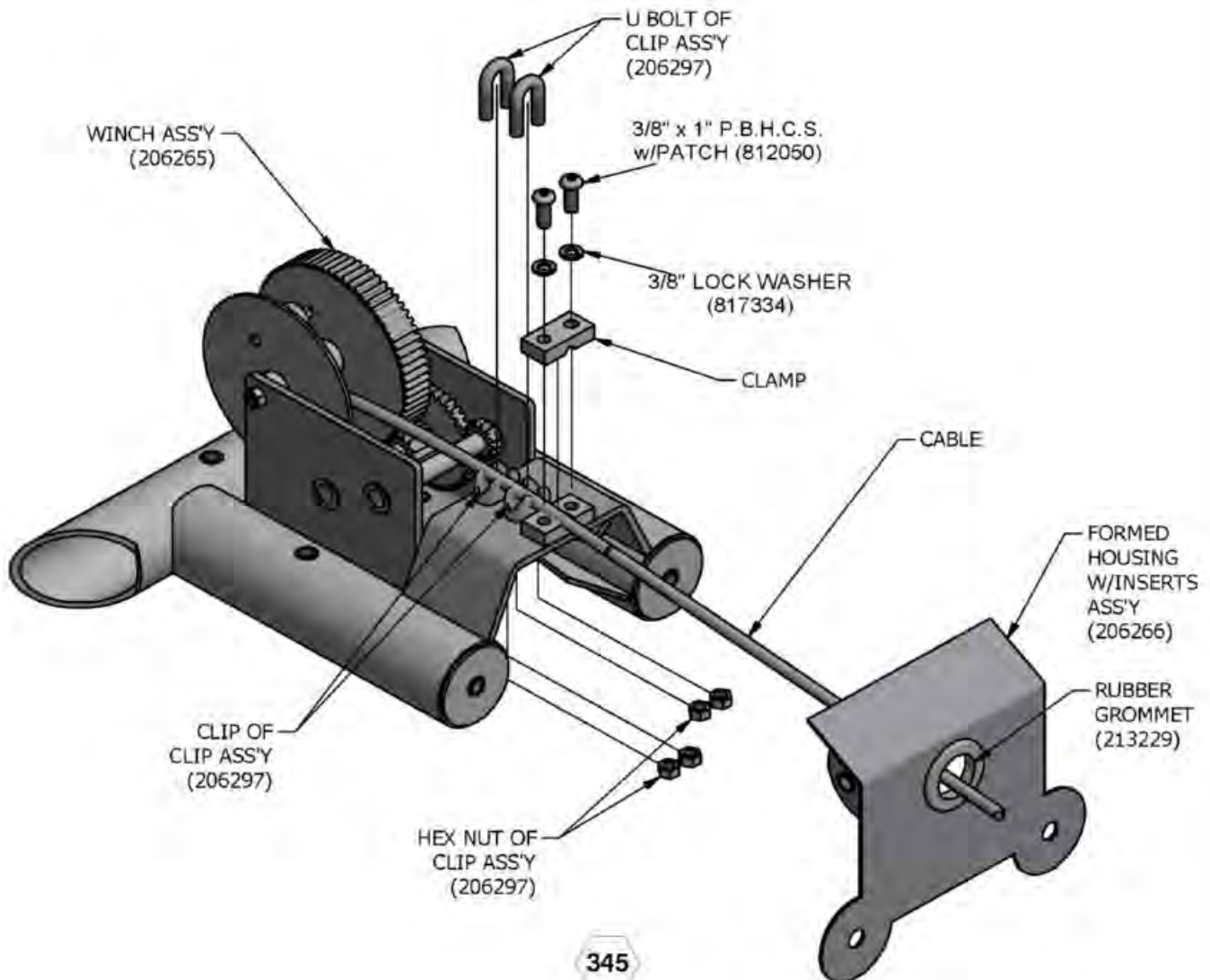
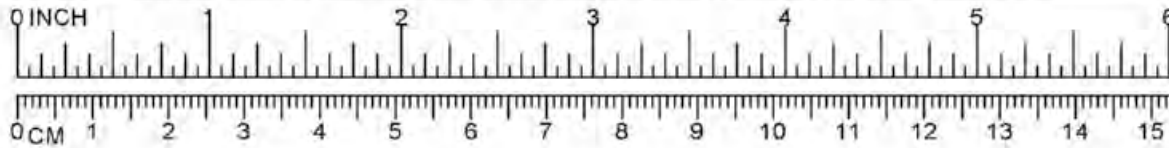
DETAILS -for- 5112 AND 5120

IMPORTANT

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

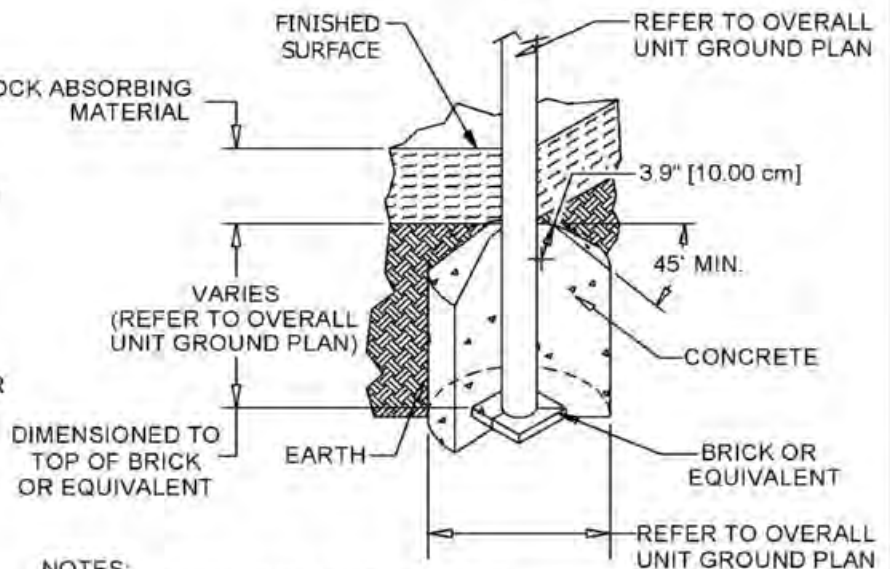
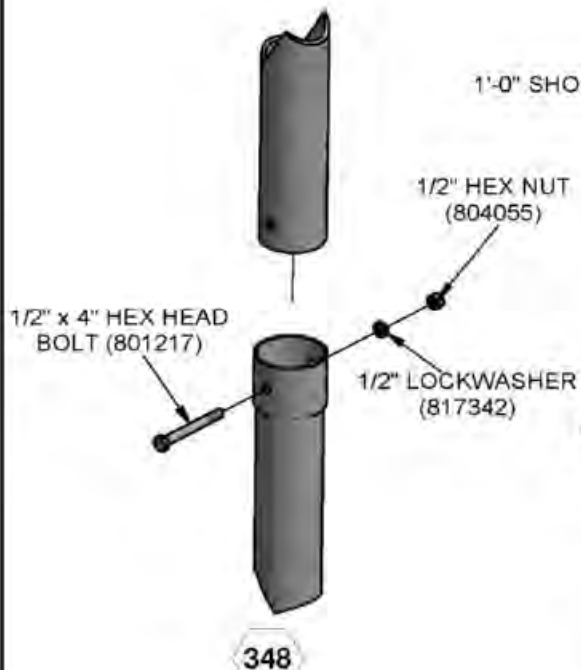
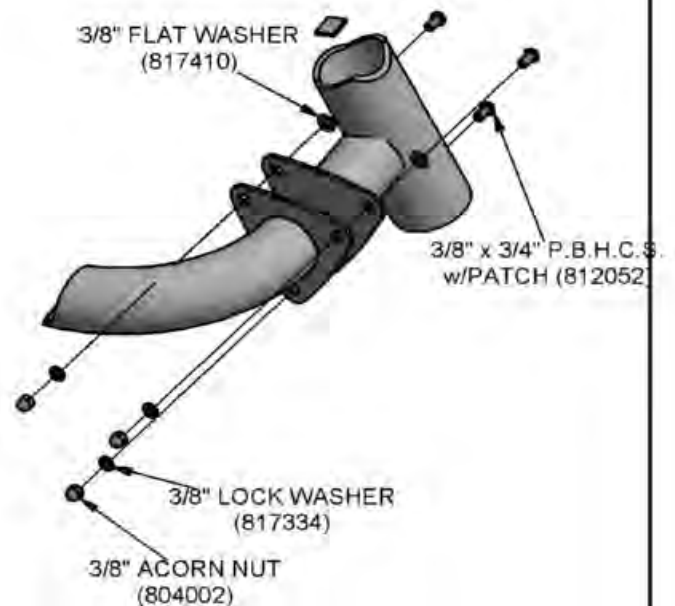
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



345

IMPORTANT

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



NOTES:

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

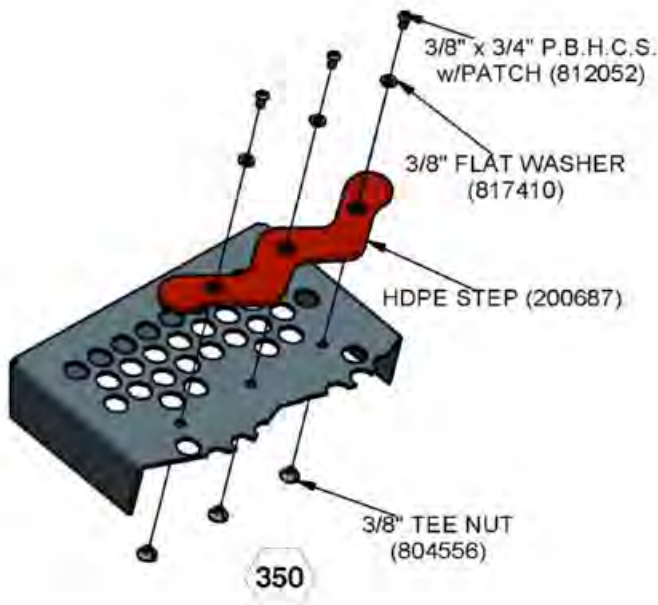
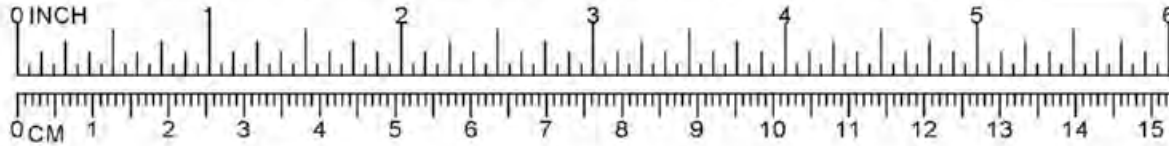
DETAILS -for- 5112 & 5120

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.



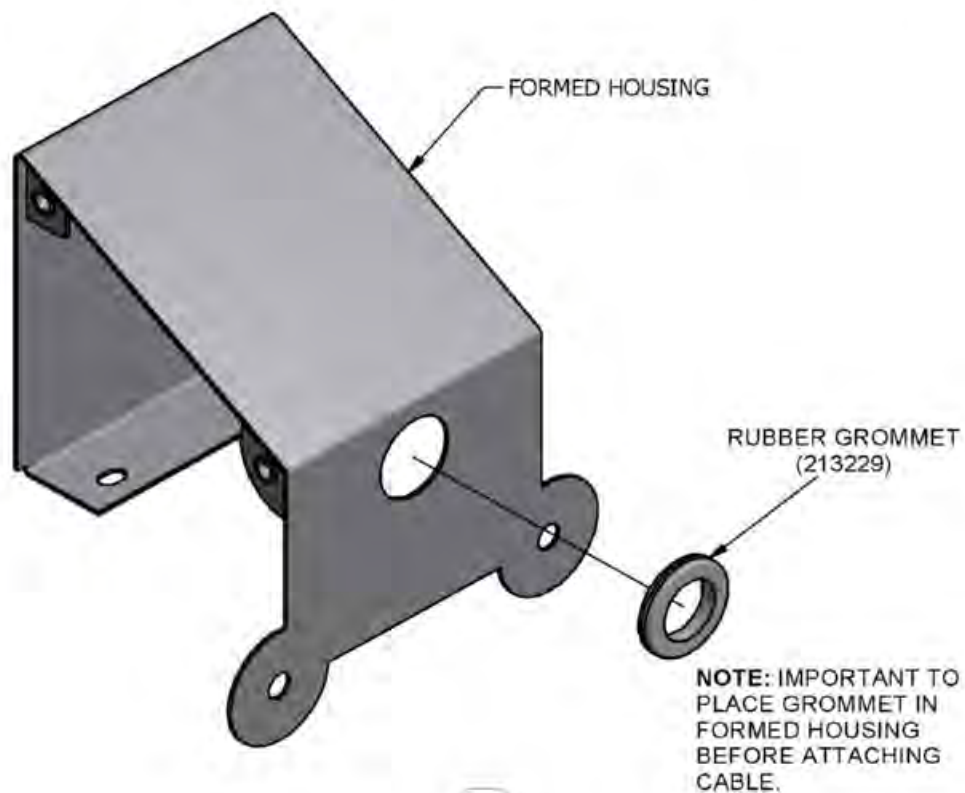
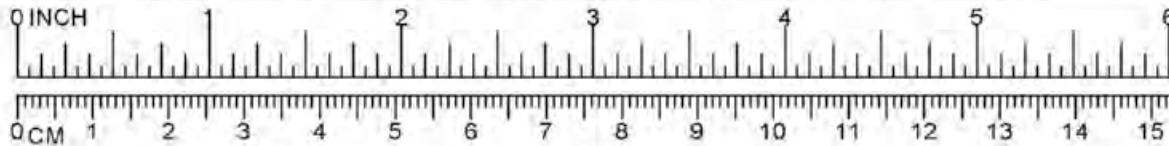
DETAILS -for- 5112 AND 5120

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.



485

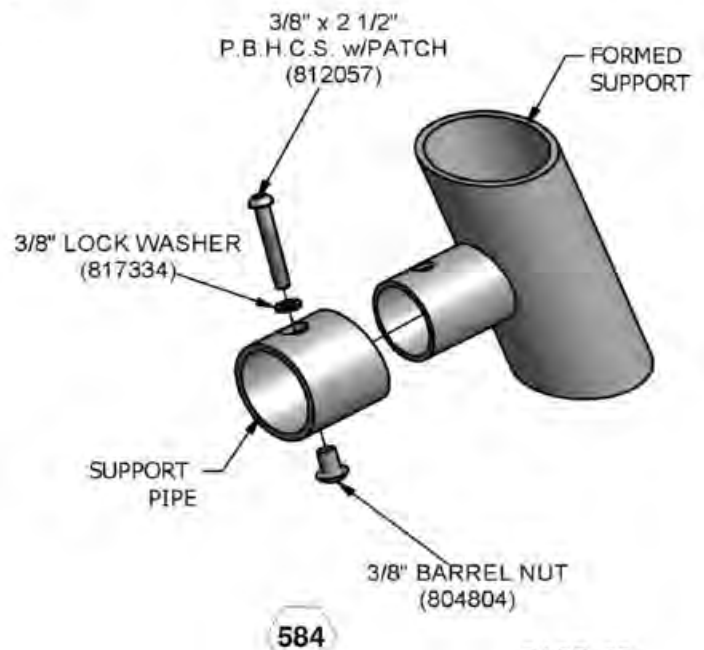
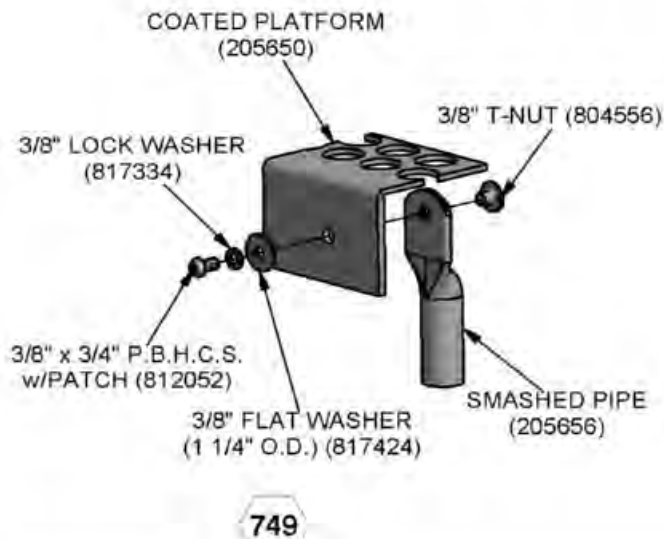
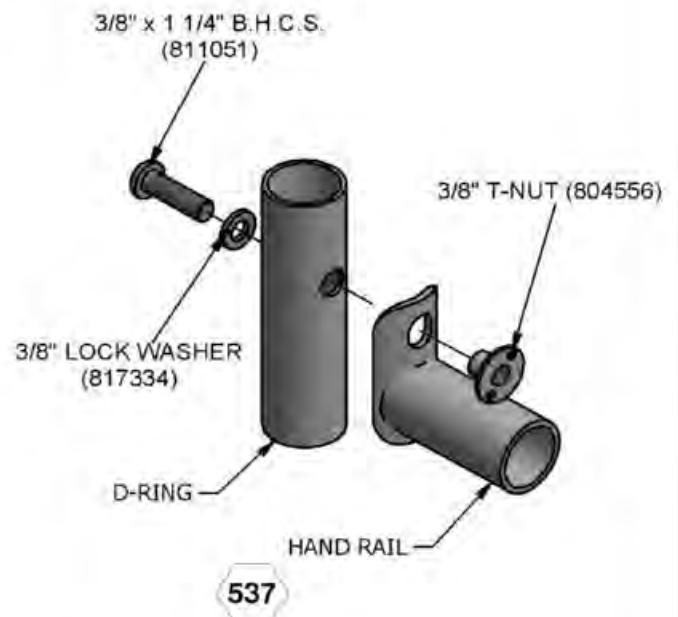
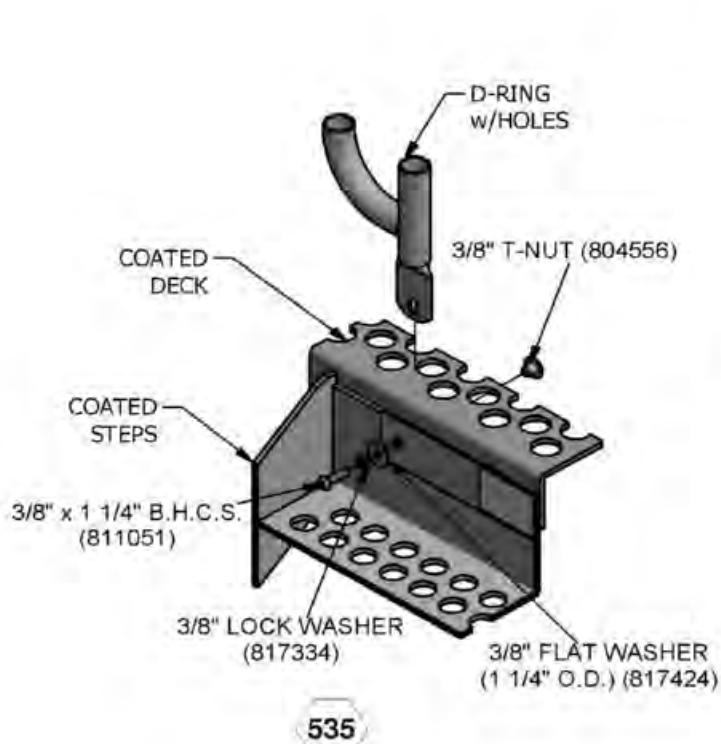
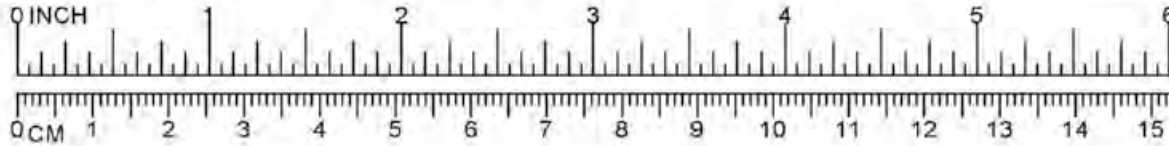
DETAILS -for- 5112 & 5120

IMPORTANT

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

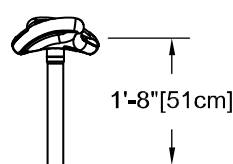
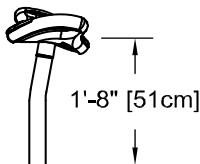
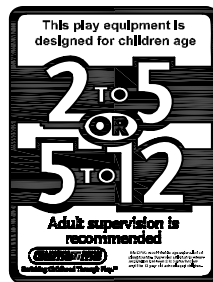
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



ISSUED/REVISED: 11/19/14

⬡ = INSTALLATION
 DETAIL
 ○ = PARTS LIST
 REFERENCE

TILTED 6142
STRAIGHT 6143



6142

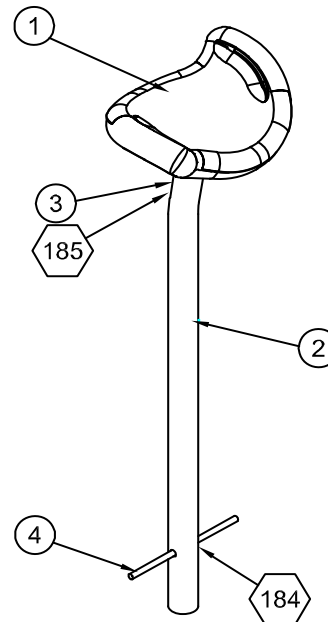
THIS PRODUCT IS
 INTENDED FOR 2 TO 5 +
 5 TO 12 YEAR OLDS

6143

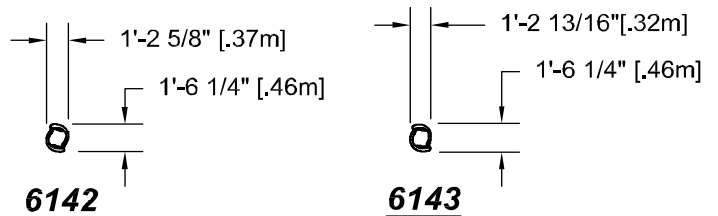
THIS PRODUCT IS
 INTENDED FOR 2 TO 5 +
 5 TO 12 YEAR OLDS

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

*THE ASTM USE ZONE AND CSA PROTECTIVE
 SURFACING ZONE ARE DETERMINED BY
 EXTENDING THE PRODUCT OUTSIDE
 DIMENSIONS SHOWN A MINIMUM ADDITIONAL
 DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS.
 FOR CANADIAN INSTALLATIONS ONLY, AN
 ADDITIONAL 1.8M LONG (MINIMUM)
 NO-ENCROACHMENT ZONE IS REQUIRED
 BEYOND THE PROTECTIVE SURFACING ZONE.



6142 SHOWN



TOP VIEWS



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

SPECIFICATIONS

Whirlwind Seat: shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

BEARING ASSEMBLY: Shall be an all welded assembly constructed of a 1/4" H.R. steel plate, and a hub machined from C.R. steel. Two bearings shall be press fit into the weld assembly.

POST WELD ASSEMBLY: Shall be an all welded assembly constructed of 2" SCH 40 galvanized steel pipe, 1/4" thick H.R. steel plate, and a shaft machined from H.R. steel.

FINISH: The assemblies shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

HARDWARE: All nuts, bolts, screws, Inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel.

Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

NOTE: All weights are based on average comparisons of each part.

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

SET UP INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN

CUSTOMERS FILE FOR FUTURE REFERENCE.

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

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

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

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

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

STEP 1: Dig required hole. See Ground Plan for correct shape and size.

STEP 2: Fasten the Bearing Assembly to the Post Assembly and attach the Whirlwind Seat to the Bearing Assembly using detail 185.

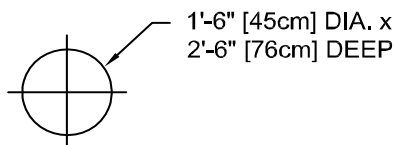
STEP 3: Insert the Anchor Rod into the bottom of the Post Assembly using detail 184.

STEP 4: Tighten all connections. Plumb and level the Assembly and pour concrete. ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE USE.

NOTE: After Installation, the seat height should be 1'-8" [50 cm] above the protective surfacing.

NOTE: We suggest you retighten all bolts after the unit has been used three to four days.

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



GROUND PLAN

Concrete Required:

.10 Cubic Yards

[.07 Cubic Meters]

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:

SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI

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

PARTS LIST

REF NO.	DESCRIPTION	6142	6143	PART NUMBER
1	Whirlwind Seat	1	1	177250
2	Formed Post Ass'y	1	0	177330
2	Straight Post Ass'y	0	1	177335
3	Bearing Ass'y	1	1	177328
	Hardware Complete	1	1	177402
	3/8" x 1 1/4" Hex Head Bolt	1	1	801004*
	3/8" Lock Washer	5	5	817334*
	3/8" Flat Washer	4	4	817410*
	3/8" Flat Washer (1 1/4" O.D.)	1	1	817424*
	3/8" x 1 1/4" B.H.C.S.	4	4	811051*
4	1/2" Anchor Rod	1	1	135038*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

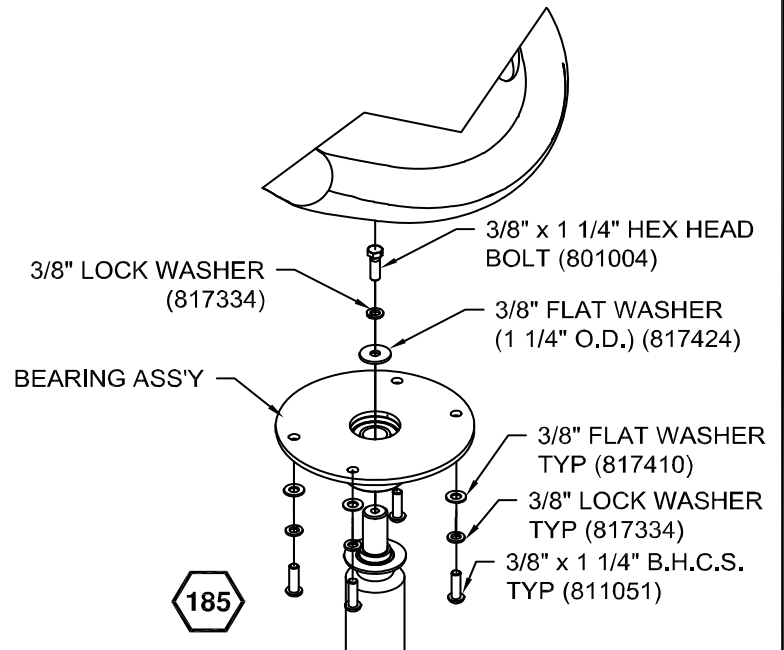
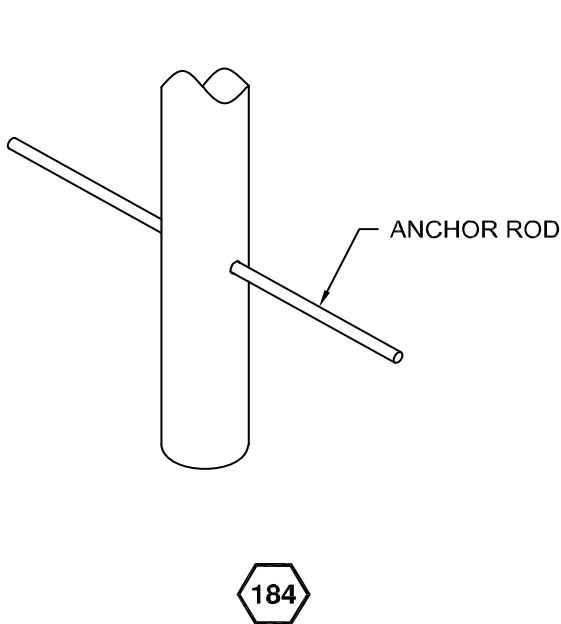
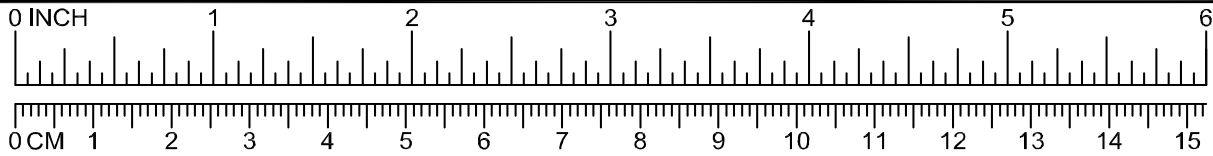
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 6142

IMPORTANT

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

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





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1-800-235-2440

6232

POD

ISSUED/REVISED: 5/1/19

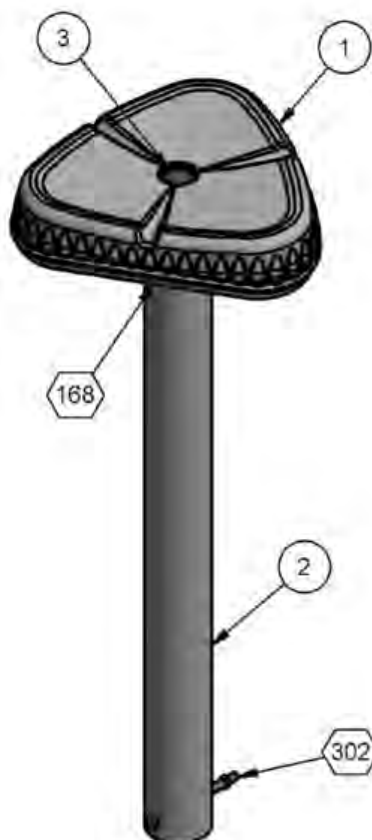
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE



6232



6233 & 6236

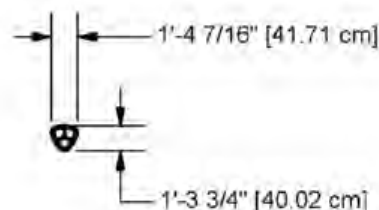


POD 1'-0"	6232
POD 2'-0"	6233
POD 2'-6"	6236

ASSEMBLY DRAWING
6232 SHOWN

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

*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS. FOR CANADIAN INSTALLATIONS ONLY, AN ADDITIONAL 1.8M LONG (MINIMUM) NO-ENCROACHMENT ZONE IS REQUIRED BEYOND THE PROTECTIVE SURFACING ZONE.



TOP VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- ☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- ☐ Equipment should be placed to eliminate conflicting traffic patterns.
- ☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.
- ☐ All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- ☐ Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- ☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- ☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- ☐ Never add components not intended for use with this product.
- ☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- ☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.
- ☐ Check to be sure all fittings are tight and that the bars and pipes do not move.
- ☐ A soft, resilient surface should be placed under all climbers, extending at least six feet in all directions surrounding the climbers. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.
- ☐ Assemble all slides on level ground to insure proper run-off of slide bedway. The runoff portion of bedway should slope downward no more than 4 degrees.
- ☐ Examine bedway, bedrails, handrails for foreign objects, holes, and rough edges.
- ☐ Because metal slides left in the sun can cause burns, they should be placed in shaded areas whenever possible. Placing metal slides in a shaded location will also prevent them from reflecting the glare of the sun and interfering with children's vision.
- ☐ A soft resilient surface should be placed under all slides, extending at least six feet in all directions surrounding the slides. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

SPECIFICATIONS

MINI POD: The Mini Pod shall be rotational molded from polyethylene. The polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotational molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D-155); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790); Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

FRAME: Shall be an all welded assembly fabricated of 3.500" O.D. galvanized steel tubing with a wall thickness of .095" and 11 gauge (.120") hot rolled flat steel that is formed. This assembly shall have a powder coat finish.

PLUG: Shall be fabricated of black butyl rubber with a durometer of 60.

HARDWARE: All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment, shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel.

Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

NOTE: All weights are based on average comparisons of each part.

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

SET-UP INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS FILE FOR FUTURE REFERENCE

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

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

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

NOTE: apply construction adhesive or rubber glue to Rubber Plug when installing.

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

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

STEP 1: Dig required hole. See Ground Plan for correct shape and size.

STEP 2: Insert the Plug into the Pod and fasten the Pod to the Post using Detail 168.

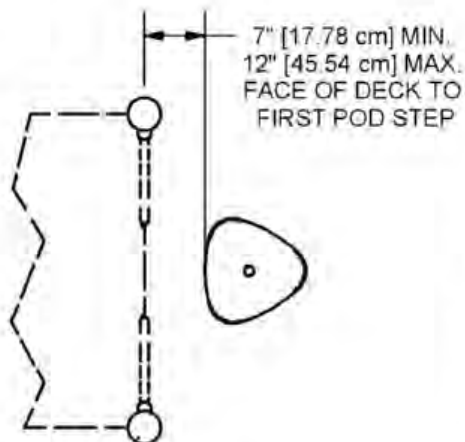
STEP 3: Fasten the carriage bolt to the Post as an anchoring device, using Detail 302.

STEP 4: Tighten all connections. Plumb and level the Pod and pour concrete. **ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE USE.**

Note: After Installation, the Pod height should be 1'-0" [30.48 cm], 2'-0" [60.96 cm] or 2'-6" [76.20 cm] above the protective surfacing.

NOTE: We suggest you retighten all bolts after the unit has been used three to four days.

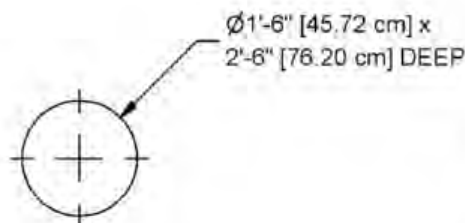
NOTE: Loctite (supplied by others) should be used on all threaded hardware.



TOP VIEW

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

CONCRETE REQUIRED
10 CUBIC YARDS
[.08 CUBIC METERS]



GROUND PLAN

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

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

NOTE:

SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

Parts List					
REF.	DESCRIPTION	6232	6233	6236	PART NUMBER
1	MINI POD	1	1	1	176364
2	POST WELD ASS'Y	1	0	0	205169
2	POST WELD ASS'Y	0	1	0	205172
2	POST WELD ASS'Y	0	0	1	209319
	HARDWARE COMPLETE	1	1	1	205176
3	PLUG TOP	1	1	1	176441*
	3/8" x 1" B.H.C.S.	4	4	4	811050*
	3/8" FLAT WASHER	4	4	4	817410*
	3/8" LOCK WASHER	4	4	4	817334*
	3/8" HEX NUT	1	1	1	804053*
	3/8" x 6" HEX HEAD BOLT	1	1	1	801021*

*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.

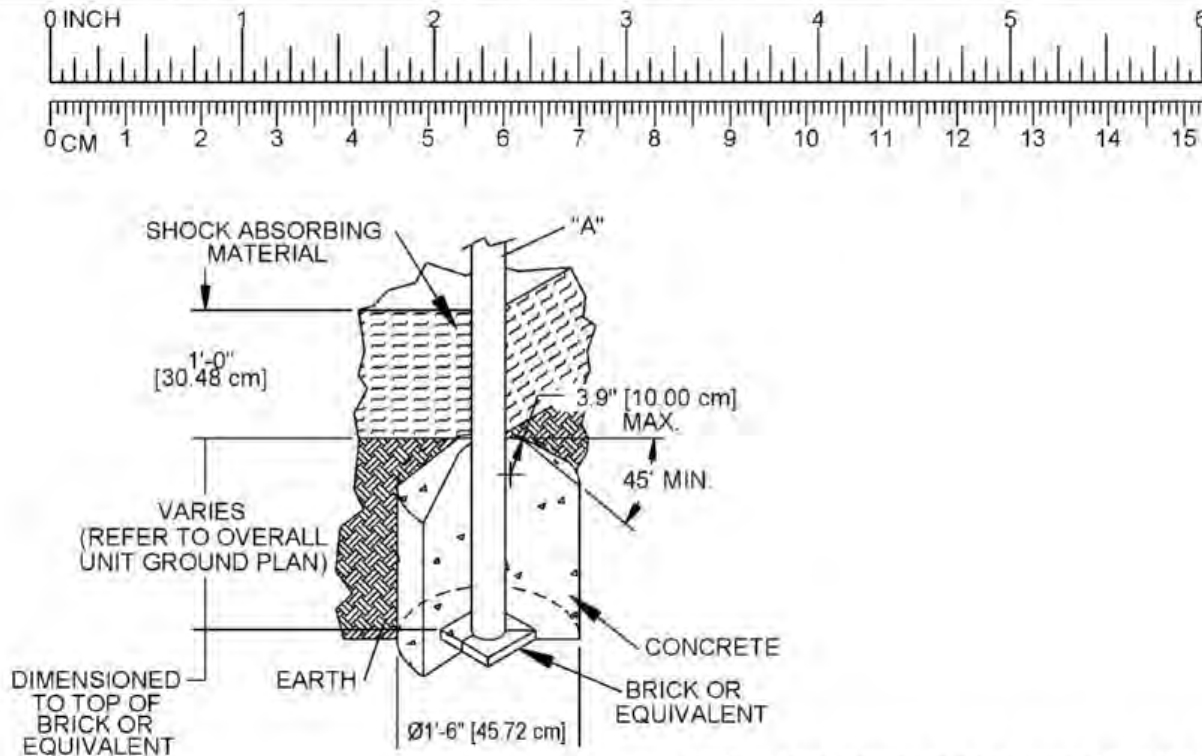
DETAILS -for- 6232, 6233 & 6236

IMPORTANT

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

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

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

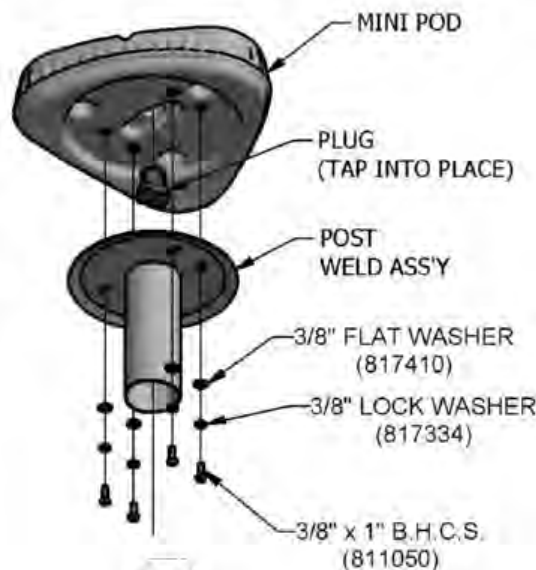


NOTES:

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

032

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



168

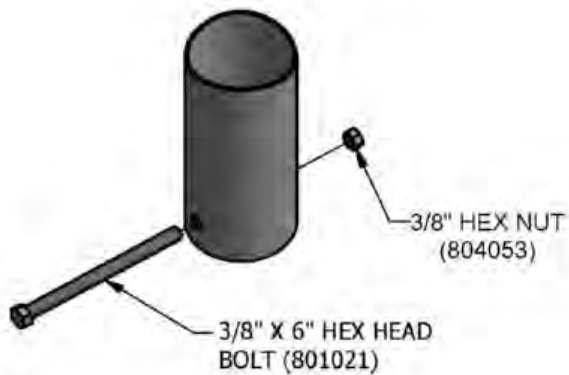
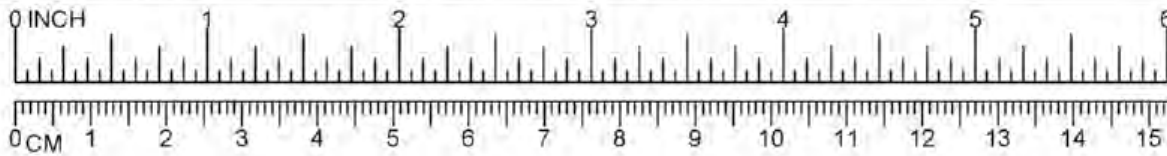
DETAILS -for- 6232, 6233 & 6236

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.



302



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1-800-235-2440

6259

SEE SAW

ISSUED/REVISED: 5/17/2018

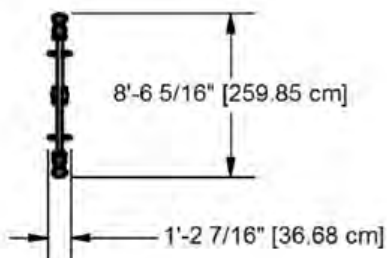
- ⬡ = INSTALLATION
DETAIL
- = PARTS LIST
REFERENCE



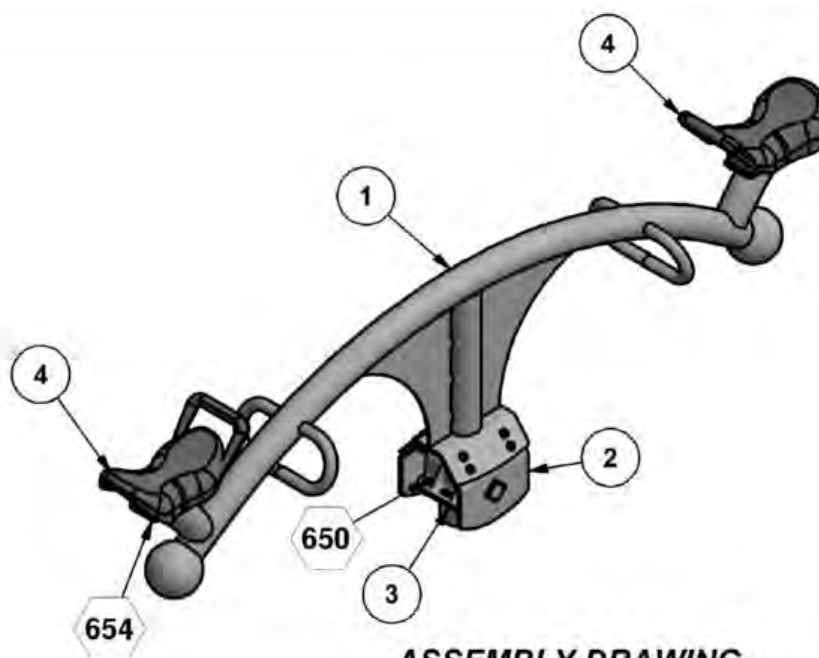
OWNER/OPERATOR SHALL
INSTALL AND MAINTAIN
PROTECTIVE SURFACING WITHIN
THE USE ZONE (U.S.) OR
PROTECTIVE SURFACING ZONE
(CANADA) OF ALL PLAY
EQUIPMENT TO COMPLY WITH
ASTM F-1292 AND ASTM F-1487
(U.S.) or CAN/CSA-Z-614 (CANADA).

THE ASTM USE ZONE AND CSA
PROTECTIVE SURFACING ZONE
ARE DETERMINED BY EXTENDING
THE PRODUCT OUTSIDE
DIMENSIONS SHOWN A MINIMUM
ADDITIONAL DISTANCE OF 6'-0"
[1.83M] TO THE SIDES AND A
MINIMUM 7'-0" [2.13M] AT EACH
END.

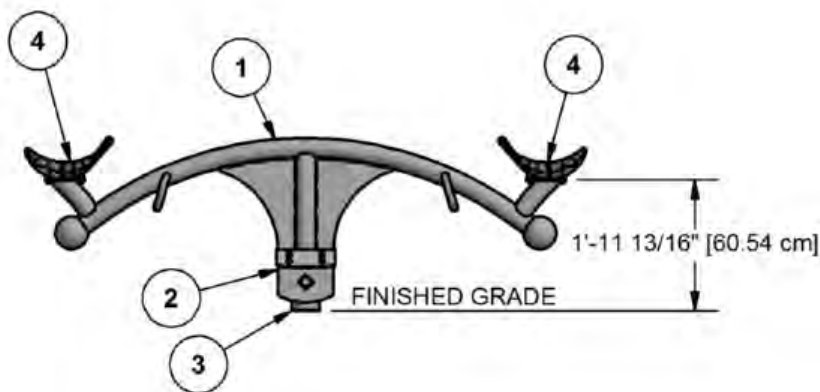
FOR CANADIAN INSTALLATIONS,
PRODUCT REQUIRES A NO
ENCROACHMENT ZONE
EXTENDING AT LEAST 6'-0" [1.83M]
BEYOND THE CSA PROTECTIVE
SURFACING ZONE.



TOP VIEW



ASSEMBLY DRAWING



Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SEE SAW WELD ASS'Y	1	214758
2	SPRING ASSEMBLY	1	206216
3	FOOTBUCK	1	206755
4	ALUM. SADDLE w/HARDWARE	2	300677
	HARDWARE COMPLETE	1	213839
	1/2" x 1 1/2" B.H.C.S.	12	811073*
	1/2" LOCKWASHER	12	817342*
	1/2" FLAT WASHER	12	817412*
	1/2" LOCKNUT	12	804355*
	1/2" ANCHOR ROD	1	135038*

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

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

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

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

SPECIFICATIONS

RUBBER SPRING: Shall consist of rubber encapsulated by cast steel with a steel inner core.

SEE SAW WELD ASS'Y: Shall be a one-piece weldment constructed using 1-5/16" O.D. x .083" (14 Gauge) wall galvanized steel tubing, 3-1/2" O.D. X .18" (7 gauge) wall galvanized steel tubing, 6" diameter 11 ga. steel ball, 1/4" H.R. flat steel, and 3/8" H.R. flat steel. See Saw Weld Ass'y shall be coated with a custom formula of TGIC polyester powder, after fabrication in conformance with the specifications outlined herein.

FOOTBUCK WELD ASS'Y: Shall be a one piece weldment constructed using 5" O.D. x .120" (11 gauge) wall galvanized steel tubing, and 3/8" H.R. flat steel. Footbuck shall be coated with a custom formula of TGIC polyester powder, after fabrication in conformance with the specifications outlined herein.

SADDLE SEATS: Cast aluminum 1/4" thick wall molded in hand holds. There shall be four screw bosses cast to the seat which are integral parts of the seat. The bosses shall be drilled to receive four 3/8" diameter bolts.

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

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

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

INSTALLATION SHEET

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

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

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

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

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

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

STEP 1: Dig required hole. Refer to appropriate Footing Detail for correct hole size and depth.

STEP 2: Insert the Anchor Rod into the bottom of the Footbuck as shown in the Assembly Drawing.

STEP 3: Plumb and level the Footbuck Assembly and pour concrete. ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE PROCEEDING.

STEP 4: Attach and tighten Spring Assembly to Footbuck using Detail 650. Apply Loctite (supplied by others) to this connection.

STEP 5: Attach and tighten See Saw Weld Assembly to Spring Assembly using Detail 651

STEP 6: Attach Saddle Seats to See Saw Weld Assembly using Detail 654.

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



☐ All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

☐ Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.

☐ Equipment should be placed to eliminate conflicting traffic patterns.

☐ To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.

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

☐ Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.

☐ GameTime® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.

☐ Never add components not intended for use with this product.

☐ Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.

☐ Proper maintenance of GameTime® equipment requires regular tightening of all bolts, nuts, and set screws.

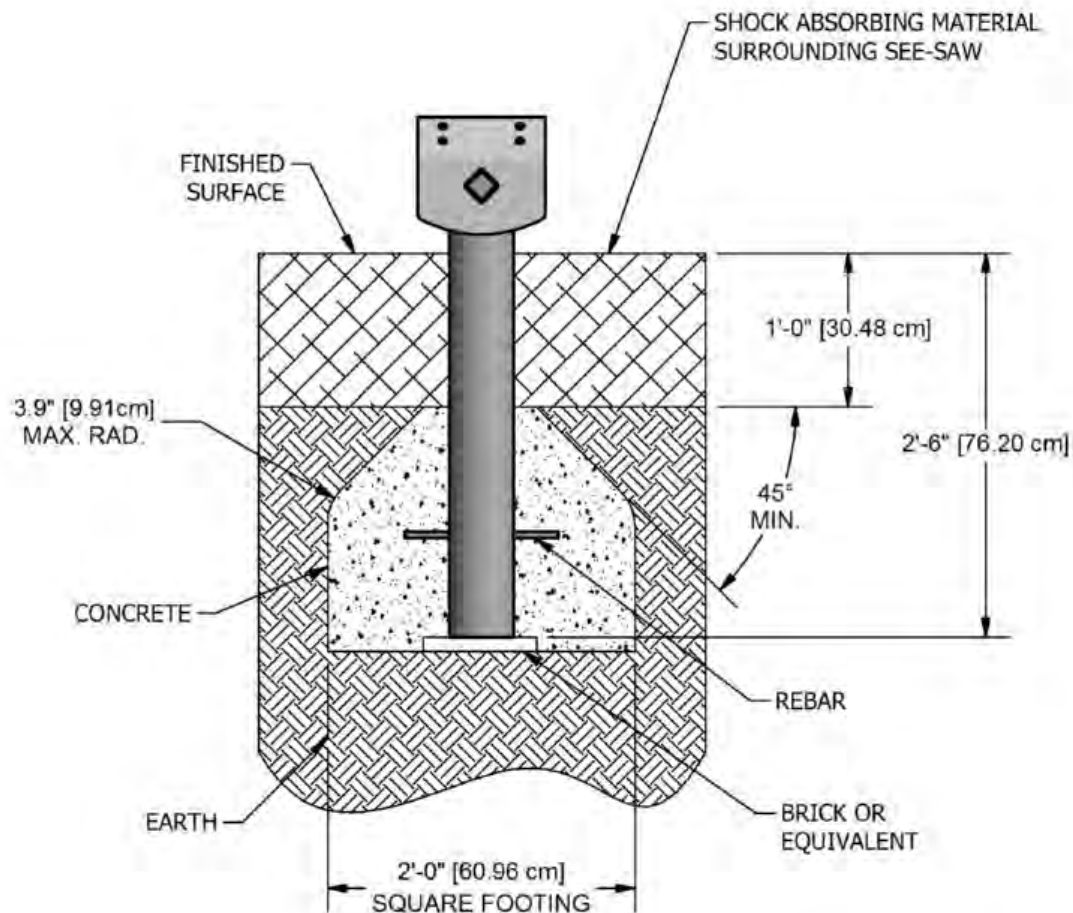
☐ All equipment should be free of rust and repainted whenever necessary to deter rusting.

☐ Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.

☐ Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

☐ Check to be sure all fittings are tight and that the bars and pipes do not move.

☐ A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.



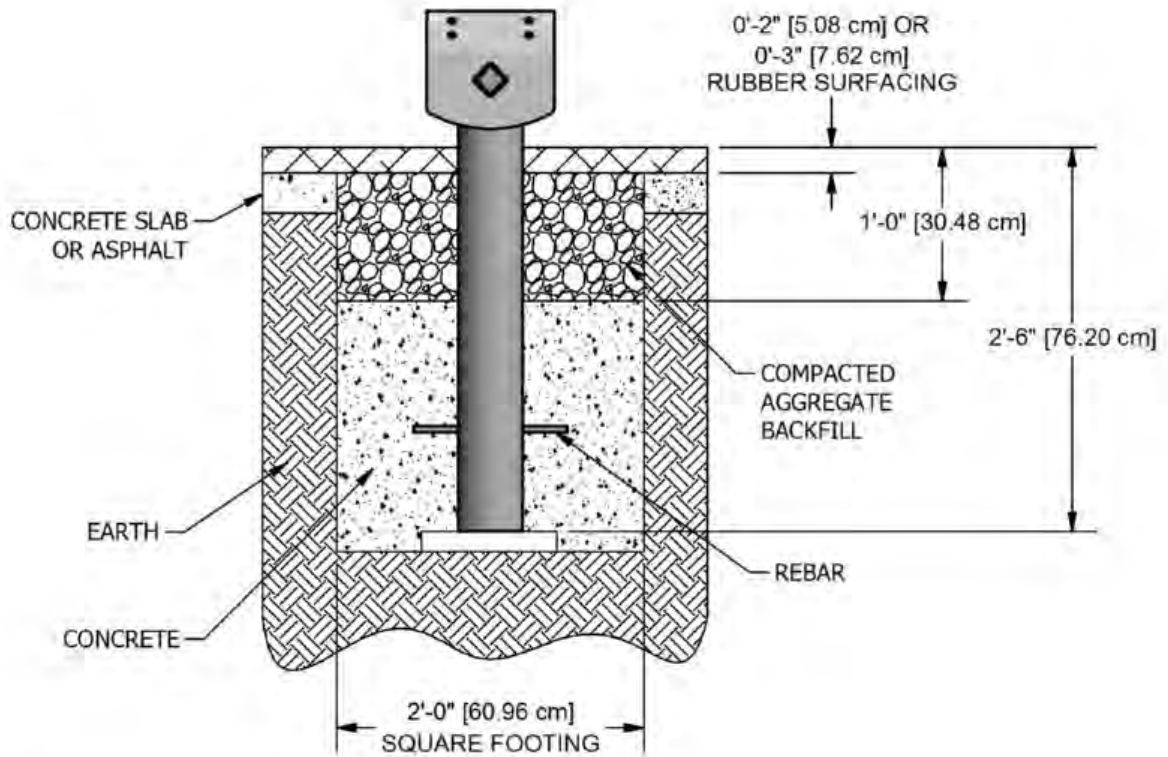
ASSEMBLY DRAWING
LOOSE-FILL SURFACING

CONCRETE REQUIRED:
.22 CUBIC YARDS
.17 CUBIC METERS

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

NOTES:

- 1) SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1.
- 2) SUGGESTED MINIMUM CONCRETE RATING: 3000PSI.
- 3) CONCRETE REQUIRED: .22 CUBIC YARDS [.17 CUBIC METERS].
- 4) HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE ASSEMBLY DRAWINGS. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



CONCRETE REQUIRED:
.22 CUBIC YARDS
.17 CUBIC METERS

ASSEMBLY DRAWING RUBBER SURFACING

NOTE: 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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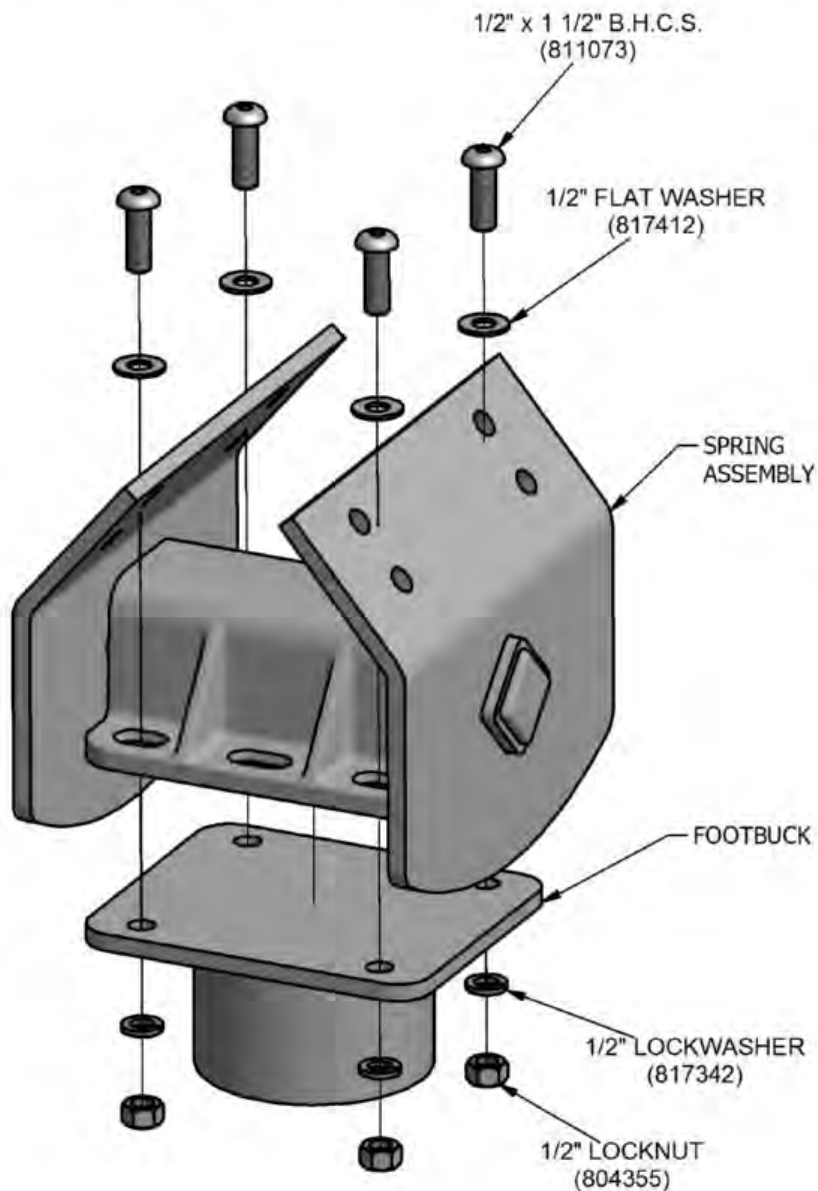
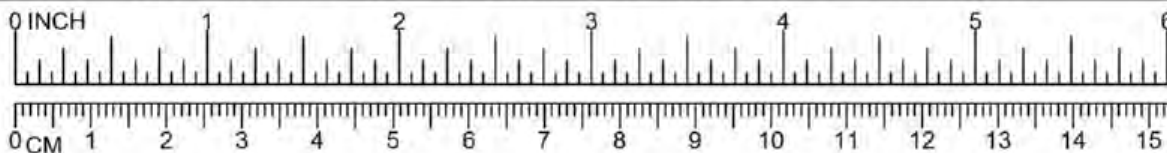
DETAILS -for- 6259

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.



650

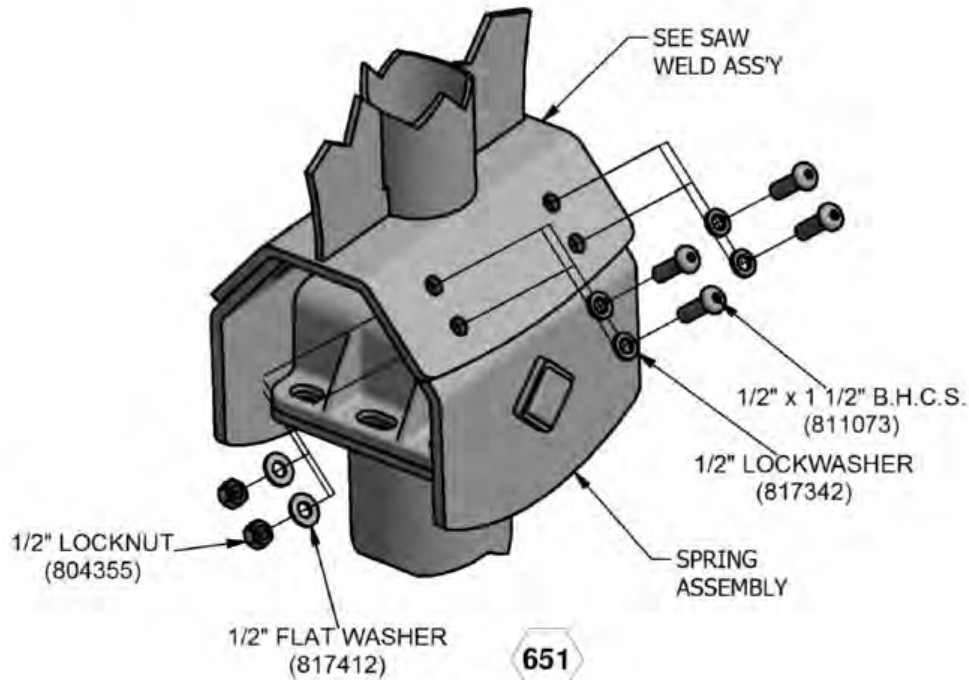
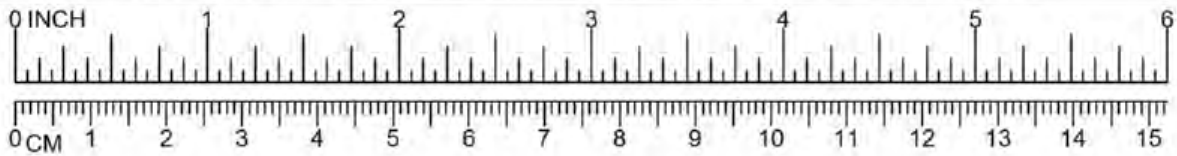
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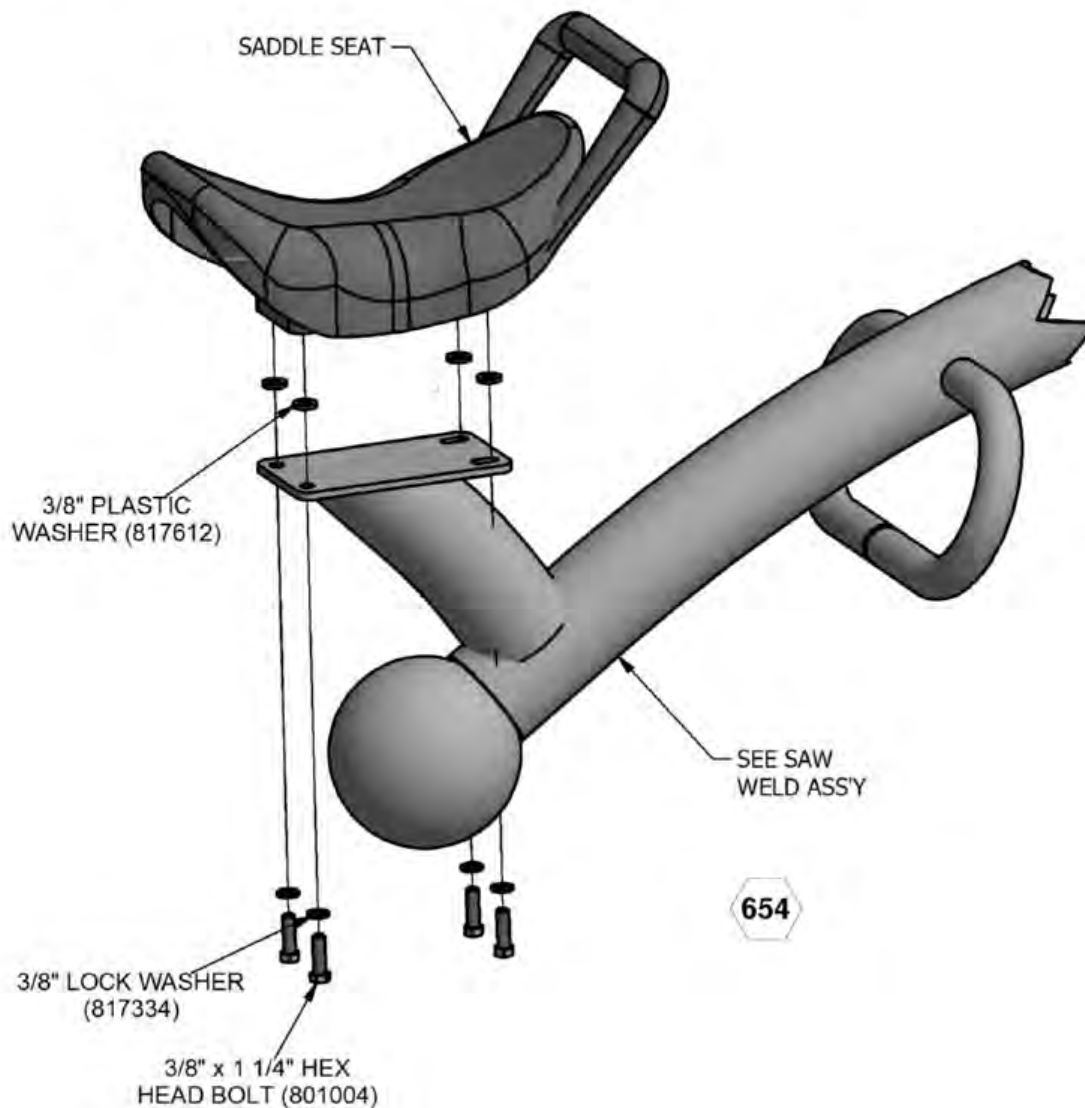
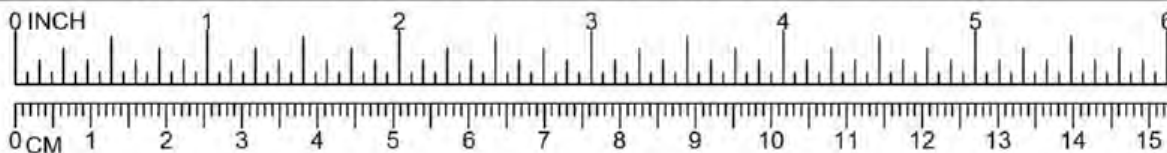
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ISSUED/REVISED: 10/30/17

-  = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE

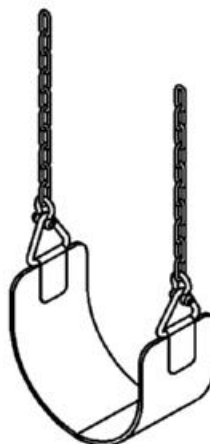


8695, 8696, 8914, SS8914, SS8695, SS8696



8908, 8909, 8910, 8911, 8918, 8915, SS8918, SS8908, SS8910, SS8909, SS8911

BELT SEAT 8691
FULLY ENCLOSED SEAT 8693
 8695, 8696, 8908, 8909, 8910, 8911,
 8914, 8918, SS8914, SS8695,
 SS8696, SS8918, SS8908, SS8910,
 SS8909, SS8911
SEAT PACKAGES



8691

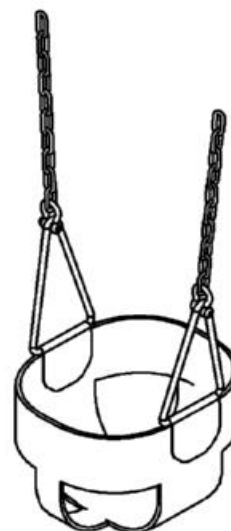
SPECIFICATIONS

*Rights are reserved to discontinue or change specifications without notice.

*Fully Enclosed Seats shall be fabricated with .025" thick stainless steel inserts covered by a dark green colored EPDM rubber.

*Commercial Belt Seat - an extra piece of fluted rubber at the front and back of seat gives it a cushion bumper.

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



8693



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PARTS LIST -for- SEATS

DESCRIPTION	NO. REQD		PART NO.
	8693	8691	
<i>Belt Seat</i>	0	1	153738
<i>Enclosed Tot Seat</i>	1	0	153746
<i>Hardware Complete</i>	1	1	167359
<i>Swing Clevis</i>	2	2	166683*
<i>1/2" Pin-In Hex Bit (5/16")</i>	1	1	812644*

PARTS LIST -for- SEAT PACKAGES

DESCRIPTION	NO. REQUIRED			PART NO.
	8914	8695	8696	
<i>Enclosed Tot Seat</i>	1	1	1	8693
<i>Swing Hanger (2-3/8" O.D.)</i>	0	2	0	1461
<i>Swing Hanger (3-1/2" O.D.)</i>	0	0	2	1462
<i>Swing Hanger (5" O.D.)</i>	2	0	0	1487
<i>Chain</i>	2	2	2	131904

Unless otherwise specified, all units of measure are each.

**Included in Hardware Complete.*

NOTE: "CC" prefix before package number indicates seat with coated chain.

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

PARTS LIST -for- SEAT PACKAGES

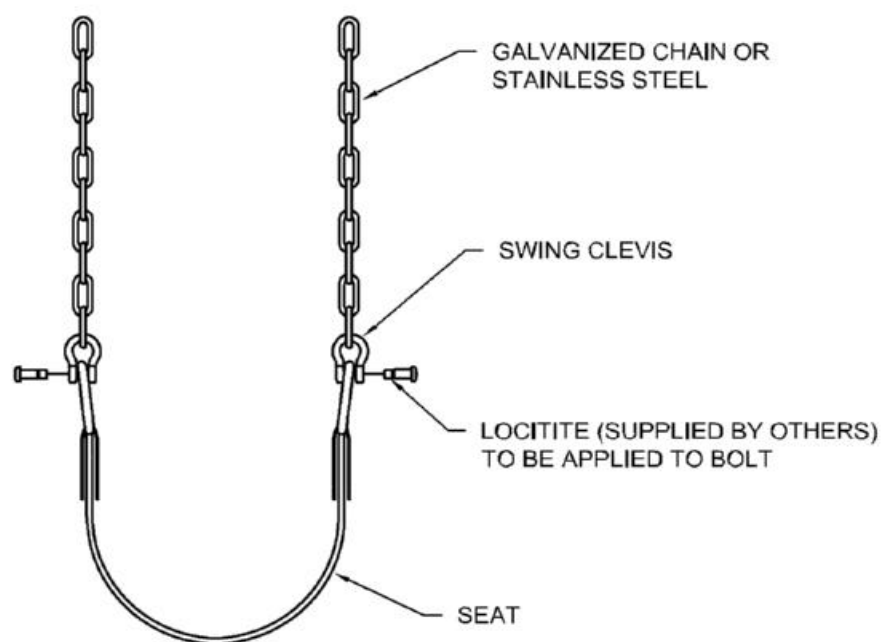
DESCRIPTION	NO. REQUIRED								PART NO.
	8691	8918	8908	8910	8909	8911			
Belt Seat	1	1	1	1	1	1			8691
Swing Hanger (2-3/8" O.D.)	0	0	2	0	2	0			1461
Swing Hanger (3-1/2" O.D.)	0	0	0	2	0	2			1462
Swing Hanger (5" O.D.)	0	2	0	0	0	0			1487
Chain	0	2	0	0	0	0			103052
Chain	0	0	2	2	0	0			166892
Chain	0	0	0	0	2	2			153867
Swing Clevis	2	2	2	2	2	2			166683*
1/2" Pin-In Hex Bit (5/16")	1	1	1	1	1	1			812644*
	SS8914	SS8695	SS8696	SS8918	SS8908	SS8910	SS8909	SS8911	
Enclosed Tot Seat	1	1	1	0	0	0	0	0	8693
Belt Seat	0	0	0	1	1	1	1	1	8691
Swing Hanger (2-3/8" O.D.)	0	2	0	0	2	0	2	0	1461*
Swing Hanger (3-1/2" O.D.)	0	0	2	0	0	2	0	2	1462*
Swing Hanger (5" O.D.)	2	0	0	2	0	0	0	0	1487*
Stainless Steel Chain	0	0	0	2	0	0	0	0	177993*
Stainless Steel Chain	2	2	2	0	0	0	0	0	177994*
Stainless Steel Chain	0	0	0	0	2	2	0	0	177991*
Stainless Steel Chain	0	0	0	0	0	0	2	2	177990*

Unless otherwise specified, all units of measure are each.

***Included in Hardware Complete.**

NOTE: "CC" prefix before package number indicates seat with coated chain.

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



SEAT ASSEMBLY
(WITH GALVANIZED CHAIN
OR STAINLESS STEEL)

1461 SWING HANGER

ISSUED/REVISED: 3/15/16

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

SPECIFICATIONS

MATERIAL: All swing hanger castings shall be cast of malleable iron.

HARDWARE: All Carriage bolts, lockwashers, hex nuts, and shoulder bolts shall be zinc plated with a clear chromate coating.

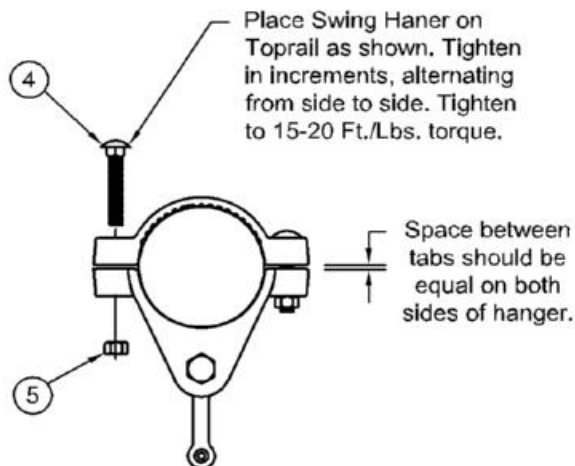
FINISH: All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.

CONSTRUCTION: The swing hanger shall consist of a top clevis, bottom clevis, and swing pendulum. The top clevis shall have a non-slip-serrated surface. The pendulum shall incorporate a factory installed bronze bushing. The pendulum shall be attached to the bottom clevis with 1/2" x 2-1/2" hex bolt, 1/2" lockwasher, and 1/2" hex nut. The top and bottom clevis shall be attached with 3/8" carriage bolt and 3/8" lock nut.

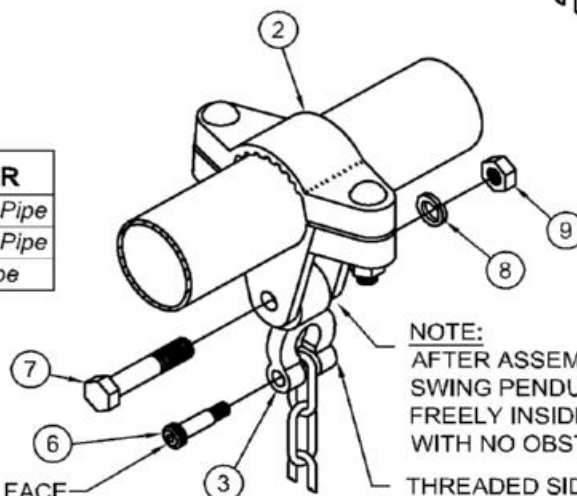
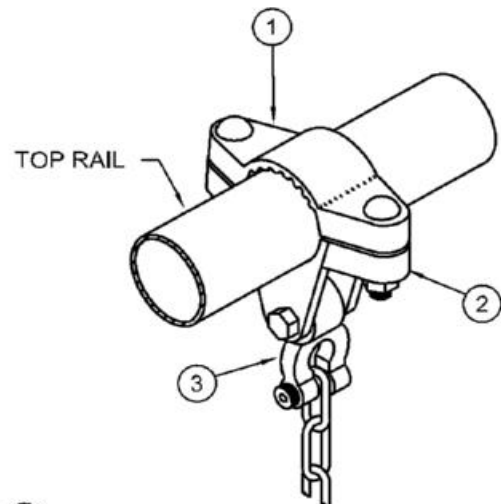
SPECIFICATIONS: GAMETIME has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.

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

GALVANIZED 1461
 GALVANIZED 1462
 PAINTED 1463
 PAINTED 1485
 PAINTED 1486
 GALVANIZED 1487



Space between tabs should be equal on both sides of hanger.



NOTE: AFTER ASSEMBLY IS COMPLETE, SWING PENDULUM SHOULD PIVOT FREELY INSIDE OF BOTTOM CLEVIS WITH NO OBSTRUCTION.

THREADED SIDE OF PENDULUM