



**City of Concord
J.E. "Jim" Ramseur Park**

**PROJECT MANUAL
Volume 2
February 6, 2025 Issued for Bid**

**City of Concord
Engineering Department
P.O. Box 308
Concord, NC 28026**

**PROJECT No. 2022-080
BID No. 2590**



WOOLPERT

ARCHITECTURE | ENGINEERING | GEOSPATIAL

WOOLPERT OF NORTH CAROLINA, PLLC

13860 BALLANTYNE CORPORATE PLACE

SUITE 425

CHARLOTTE, NC 28277

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END OF SECTION

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SECTION 116800 - PLAY FIELD EQUIPMENT AND STRUCTURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes playground equipment as follows:
 - 1. Freestanding playground equipment.
 - 2. Composite playground equipment.

1.2 DEFINITIONS

- A. Definitions in ASTM F1487 apply to Work of this Section.
- B. IPEMA: International Play Equipment Manufacturers Association.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at the Project site.

1.4 ACTION SUBMITTALS

- A. Pre-Bid Design and Technical submittal for Architect & Owner review to confirm that manufacture design and equipment is equal to the Basis of Design Manufacture "Gametime (PowerScape)" to be submitted to Architect not less than 14-day period to receipt of bid. If determined equal, then approval will be issued in addendum prior to bid. "Basis of Design" playground equipment has been identified by technical drawings, product lists and equipment cut sheets, these are intended to establish a level of design aesthetics, range of play activities and components for a full turnkey playground equipment, this information is not intended to be or represented to be a full list of components and product identification and may vary. It is the responsibility of each bidder and manufacture to provide a full turnkey design and playground equipment equal to the basis of design as identified by the contract documents.
- B. Product Data: For each type of product.
- C. Shop Drawings: For each type of playground equipment.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Include fall heights and use zones for playground equipment, coordinated with the critical-height values of protective surfacing specified in Section 321816.13 "Playground Protective Surfacing."
- D. Samples: For each exposed product and for each color and texture specified.

1.5 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Material certificates.

C. Field quality-control reports.

D. Sample warranty.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained, certified, and approved by manufacturer.

B. Manufacturer Qualifications: Equipment components shall be certified by IPEMA's third party product certification service. Equipment and structural components shall bear the IPEMA certification seal. IPEMA validation is available at www.ipema.org.

C. Safety Standards: Comply with requirements of ASTM F 1487.

1.8 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of playground equipment that fail in materials or workmanship within specified warranty period, all warrantee shall meet or exceed the warranty provisions of the Basis of Design "GameTime" as follows:

1. Lifetime limited warranty on PowerScape®, PrimeTime®, Modern City®, Xscape® & IONiX® uprights
2. Lifetime limited warranty on Tru-Loc® connections and upright bolt-through connections.
3. Lifetime limited warranty on all hardware.
4. 20 Year limited warranty on Timber Decor™ & Timbers recycled plastic lumber.
5. 15 Year limited warranty on metal decks, pipes, rungs, rails, loops, braces, and footbucks.
6. 15 Year limited warranty on rotationally molded products.
7. 15-Year limited warranty on VistaRope nylon bearings and ring junction pieces.
8. 10 Year limited warranty on GTFit, THRIVE and Challenge Course posts & bars.
9. 10 Year limited warranty on site furnishings against structural failure.
10. 10-Year limited warranty on SunBlox® products.
11. 10 Year limited warranty on integrated GTShade® products.
12. 10 Year limited warranty on fiberglass and DHPL signage.

13. 10-Year limited warranty on VistaRope WeaveTech cables.
14. 5-Year limited warranty on TuffForms® structures, including TuffCrete™ and PolyShield.
15. 5 Year limited warranty on nylon covered cable net climbers and components.
16. 5 Year limited warranty on GT Symphony Freenotes™ Harmony Park components.
17. 5 Year limited warranty on Super Seats™.
18. 5-Year limited warranty on premature wear of VistaRope cables.
19. 3-Year limited warranty on Everybody Plays polyurea coated foam & rubber strips.
20. 3-Year limited warranty on SaddleMates® rubber and "C" springs.
21. 3-Year limited warranty on SureGrip Material
22. 2-Year limited warranty on Challenge Course timing components.
23. 1-Year limited warranty on all other GameTime products.

PART 2 - PRODUCTS

A. Manufacturers: **Freestanding Play** Equipment and Accessories

1. "Basis of Design" GameTime, a PlayCore Company: P.O. Box 680121, Fort Payne, Alabama 35968-0121, Phone: 1-800-235-2440.
2. Playworld: 1000 Buffalo Road, Lewisburg, PA, USA 800-233-8404
3. Landscape Structures: 1101 McKinley Parkway, Delano, MN 55328 888-438- 6574

2.1 MATERIALS

A. Main Structural Uprights

1. Shall be 5" outside diameter tubing, 1/8" wall thickness, extruded from 6005A-T61 aluminum alloy conforming to ASTM-B-221. Minimum yield strength shall be 35,000 psi and minimum tensile strength shall be 38,000 psi. All upright posts shall be coated with a custom formula TGIC polyester powder coating in conformance with the specification outlined herein.

B. (AND/OR)

1. Shall be 5" outside diameter, 11 gauge (nominal .120") galvanized round tubing, manufactured to ASTM A-1011 Grade B tolerances from cold-formed steel conforming to ASTM A-569 Sheet Spec for steel coil. Minimum yield strength shall be 45,000 psi and
Last Updated 3.8.2022

2. Minimum tensile strength shall be 48,000 psi. The exterior surface is In line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion coated, and a clear high performance organic polymer is applied. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 91% minimum zinc dust content in organic resin, as per ASTM F-1043. All upright posts shall be coated with a custom formula TGIC.
3. Tru Loc Connectors - Must attach directly to factory preset threaded insert in the uprights to ensure full field compliance with current safety standards. Hinged, or any clamps, that require field locating or field drilling or installation are not acceptable, due to the susceptibility of installation out of compliance with safety standards.
4. Plastisol Coated Steel - Products including decks, platforms, steps, and bridges shall be fabricated from 11-gauge perforated steel with a .08" minimum thickness, textured slip-resistant polyvinyl chloride plastisol dipped coating. Square deck size must be at least 49" x 49" (2,401 square inches), and triangular decks must be equally 49" on all sides (1,040 square inches) and bolt through the uprights. Decks must attach directly to threaded inserts factory installed to uprights, using (2) 3/8" bolts at each upright connection point to eliminate the possibility of deck slipping. Plastisol coating must be free of latex and tested to meet California standards for phthalate levels and safe for children.
5. Molded Polyethylene - Products are to be rotationally molded plastic with a %" nominal wall thickness. All plastic is to be U.V. stabilized with optional graphics molded into the component during the molding process. Molded products shall have an anti-static additive and be available in any of the manufacturer's standard colors.
6. High Density Polyethylene shall be made from either %" or 3/4" thick (depending on application used) high density, UV-stabilized and color impregnated polyethylene.
7. Metal Climbers and Enclosures - Products shall be fabricated from 1 5/16" OD x .083" (14 gauge) wall galvanized steel tubing with vertical members fabricated of 1 1/16" OD x .075 (15 gauge) wall galvanized steel tubing. All tubing used shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an In-line Zinc Flo Coating with a zinc coating of .03 thickness minimum, chromate conversion, and acrylic overcoating. The interior coating will consist of a special organic acrylic modified polyester.
8. Cables - shall be 18mm polyester twisted type with the following properties: calculated tensile strength of >60kN, quantity 6 strands 2.8mm diameter each, steel strands shall have QTY 19 steel wires diameter .62mm each, quantity 3 fiber core 2.7mm diameter each, UV protected polyester impregnated. Terminations shall be made of the following materials: Aluminum forks, stainless steel D-shackles, stainless steel lifting eye nuts. Connections shall be made of the following: Aluminum connector eggs, aluminum 2-piece T-joints, aluminum T-joints, aluminum in-line connector, aluminum ferrules.
9. Hardware - All nuts, bolts, screws, inserts, and lock washers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All

primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have Last Updated 3.8.2022

10. An electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate topcoat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. PowerScape Plus stainless-steel fasteners shall be button pin-in head, socket cap screws with a two-part epoxy locking patch added to the threads. The two-part locking patch shall consist of one part resin and one part catalyst which are activated during installation. After curing, the material shall require a minimum of five times the installation torque to remove the fastener. Manufacturer shall provide special installation tools for pinned fasteners.

2.2 REQUIRED COMPONENTS

- A. In addition to the requirements contained in this section, refer to layout drawings and schedules of components and accessories on drawings.
- B. All components, accessories, hardware, and other items required for a complete and usable system shall be provided.

2.3 FINISHES

- A. Polyester (Powder) Coating - The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be as selected by the Architect from the manufacturer's standard and/or custom color selection charts. The paint process must adhere to the Powder Coat Institute 4000 Certification.
- B. Galvanized Finish - All components shall have a galvanized finish prior to powder coating and shall be protectively coated with ZRP, a zinc primer that forms a rust-resistant barrier layer. All galvanized surfaces shall be free of burs, splinters, and sharp edges.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturer's written installation instructions for each equipment type unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated.
- B. Uprights - Set posts and other load bearing foundation supports in concrete footings as designed by the manufacturer's engineer based on geotechnical reports and field conditions as reported by the Owner's third-party inspector, reports to be obtained and coordinated with the general contractor Protect finish during installation. Comply with locations, height, and plumb requirements.
- C. Maximum Equipment Height: Coordinate installed fall heights of equipment with finished elevations and critical-height values of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that

playground equipment elevations comply with requirements for each type and component of equipment.

3.2 FIELD QUALITY CONTROL

- A. Testing Agency: Contractor to engage a qualified testing agency to perform tests and inspections.
- B. Perform the following tests and inspections with the assistance of a factory-authorized service representative with no less than 3 years installing playground equipment.
 - 1. Perform inspection and testing for each type of installed playground equipment according to **ASTM F1487**.
- C. Playground equipment items will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.

3.3 COMPLETION

- A. Protect installed products until completion of project.
- B. Touch up, repair, or replace damaged products before substantial completion.
- C. Installer shall turn over all installation instructions, parts lists, maintenance instructions, tool kits, and spare materials to the owner upon completion

END OF SECTION

116801 - TRADITIONAL PLAYGROUND EQUIPMENT

Reference Sheets:PG-100, PG-101, PG-102, PG-103, PG-104 for site plan layout and images of playground.

- 1 5173 Adaptive Swing w/Rung Belt
- 1 0283LD Nature Grounds Timber Hut (Conceptual no spec available)
- 1 5145 Expression Swing 5" X 8' (see spec 5128)
- 1 5166 Expression Swing w Adaptive Seat 5" (see spec 5165)
- 1 38111 Tree Stump
- 1 6096SP Half Play Sphere, Standard 20" (see spec 6094SP)
- 3 80000 49" Sq Punched Steel Deck
- 2 80001 49"Tri Punched Steel Deck (see spec 80000)
- 1 80690 6" Accessible Step
- 1 81598 Powerscape Swing 5" X 8'
- 1 81699 Bongos
- 2 90265 7' Upright, Alum (no spec)
- 2 90266 8' Upright, Alum (no spec)
- 2 90267 9' Upright, Alum (no spec)
- 4 90268 10' Upright, Alum (no spec)
- 4 90269 11' Upright, Alum (no spec)
- 2 90270 12' Upright, Alum (no spec)
- 2 90272 14' Upright, Alum (no spec)
- 1 90507 2'-6"/3' Rumble & Roll Zip Slide
- 3 91150 Entryway - Timbers
- 2 91151 Climber Entryway - Timbers
- 1 91182 5' 0" Plank Climber - Timbers
- 2 91200 1' 0" Transfer System - Timbers
- 2 91215 Slant Roof - Timbers
- 2 91221 66" Slant Roof Extension – Timbers (see spec 91216)
- 1 91223 3' 0" Plank Climber - Timbers
- 1 91338 Timbers Enclosure W/ Solid Steering Wheel (See spec 91336)

- 1 91622 Hi-Line Climbing Link 3' Rise
- 1 91688 Inclined Climber (3') (See spec 91336)

TRADITIONAL PLAYGROUND EQUIPMENT

Basis of design playground equipment has been identified by technical drawings, product lists and equipment cut sheets, these are intended to establish a level of design aesthetics, range of play activities and components for a full turnkey playground equipment, this information is not intended to be or represented to be a full list of components and product identification and may vary. It is the responsibility of each bidder and manufacture to provide a full turnkey design and playground equipment equal to the basis of design as identified by the contract documents.

**EXPRESSION
 SWING**

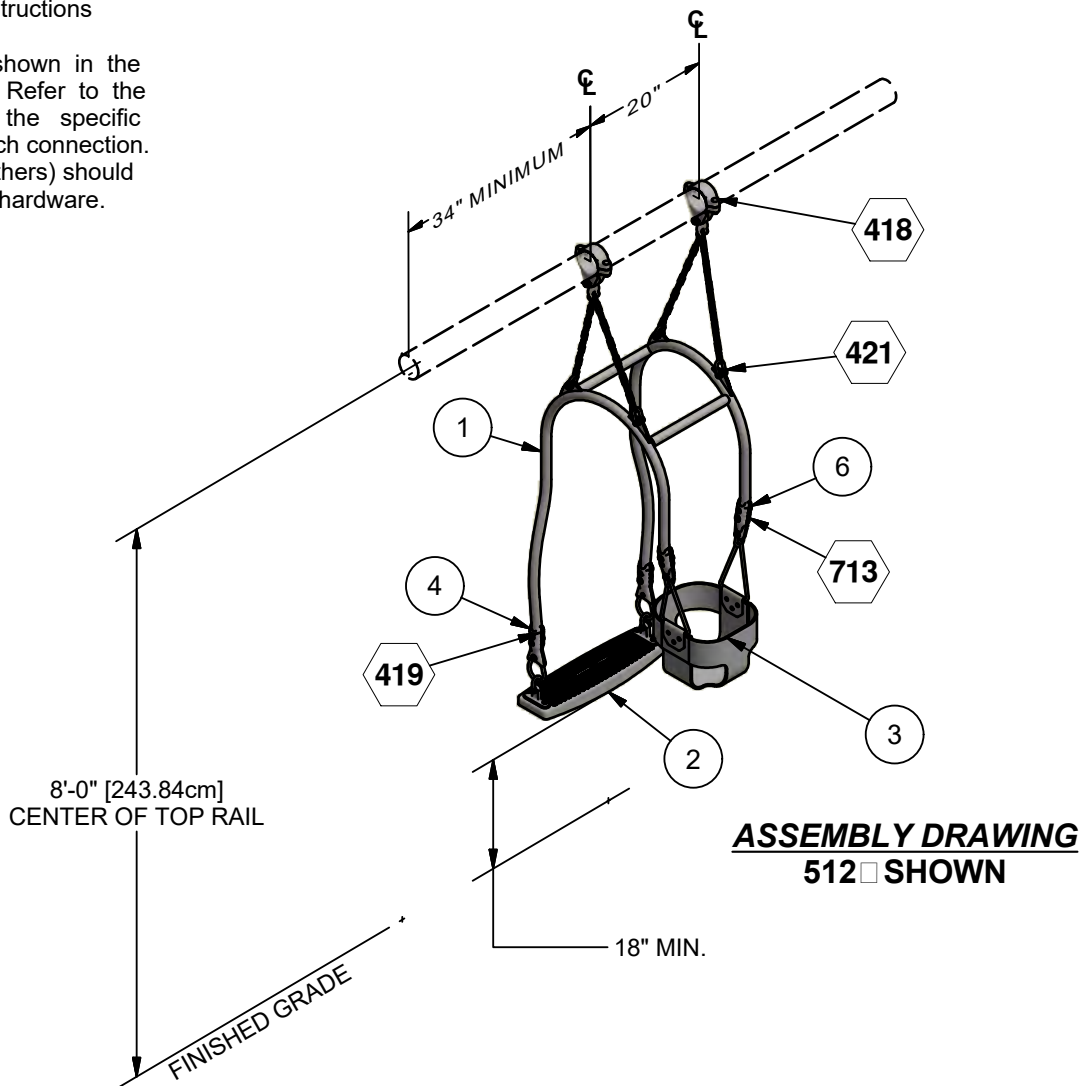
ISSUED/REVISED: 1/19/2023

- ⬡ = INSTALLATION
 DETAIL
- = PARTS LIST
 REFERENCE

3 1/2" O.D. x 8' TOPRAIL 5128
 5" O.D. x 8' TOPRAIL 5145

**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.



Parts List				
REF	DESCRIPTION	5128	5145	PART NUMBER
1	SWING ASS'Y PACKAGE	1	1	214339
2	SEAT ASS'Y	1	1	208958**
3	ENCLOSED TOT SEAT	1	1	153746**
4	SWING CASTING	4	4	209237**
5	EXPRESSION SWING CAUTION LABEL	1	1	211721**
6	SWING CASTING	4	4	214350**
	HARDWARE COMPLETE	1	1	214344***
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	812050*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	8	8	812053*
	3/8" FLAT WASHER	2	2	817410*
	3/8" BARREL NUT	10	10	804804*
	3/8" LOCK WASHER	10	10	817334*
	3/8" O.D. STAINLESS STEEL WIRE	2	2	208743*
	S.S. CHAIN 18 5/16"	4	4	214346*
	SWING HANGER (3-1/2" O.D.)	2	0	1462***
	SWING HANGER	0	2	1487***
	3/8" PLASTIC SPACER	12	12	817613*
	STAINLESS STEEL D SHACKLE	8	8	161853*
	3/8" PIN-IN TORX BIT, T45	2	2	812655*
	SLEEVE BUSHING	2	2	818382*

* Included in Hardware

** Included in Swing Ass'y Package

*** Included in Swing Hanger Reference or

Unless Otherwise Specified, All Units of Measure are Each

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

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

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

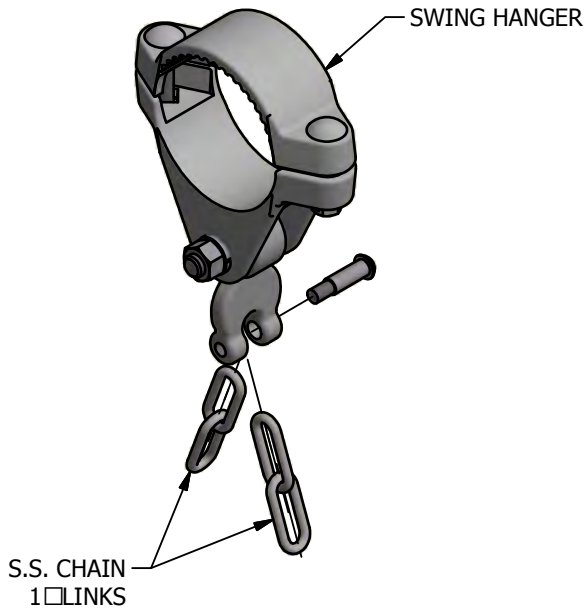
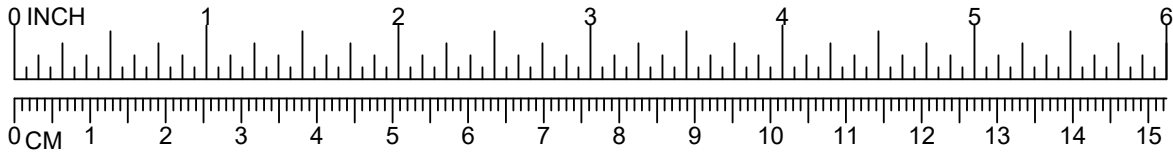
DETAILS -for- 5128 & 5145

IMPORTANT

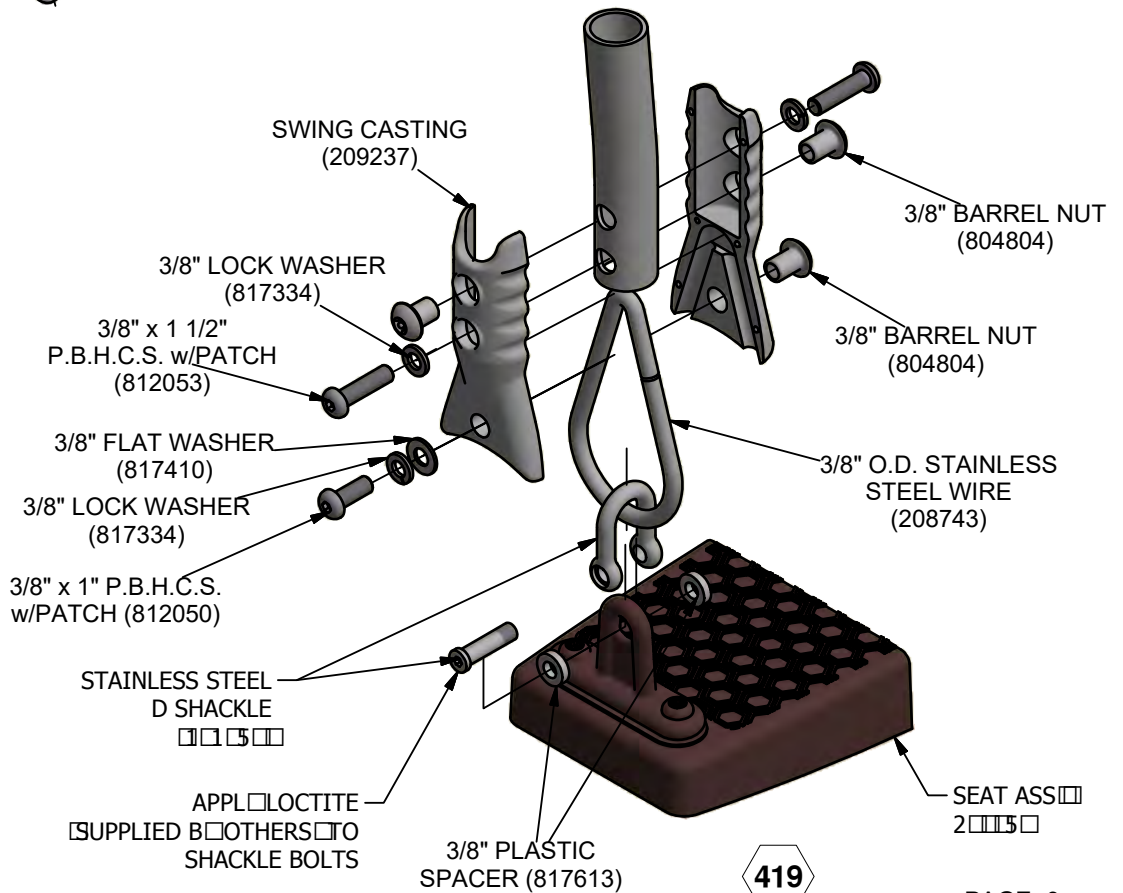
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



418



419

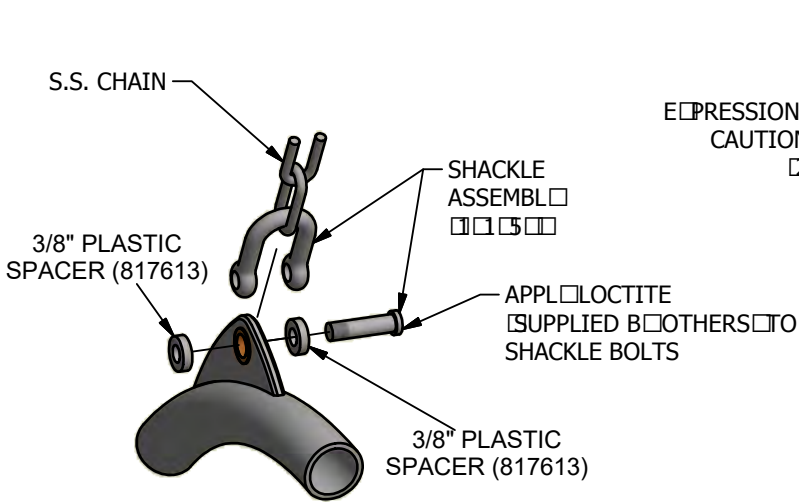
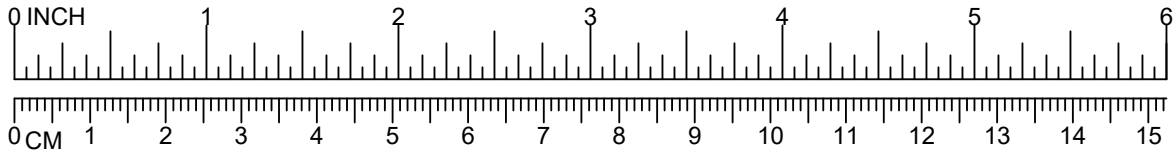
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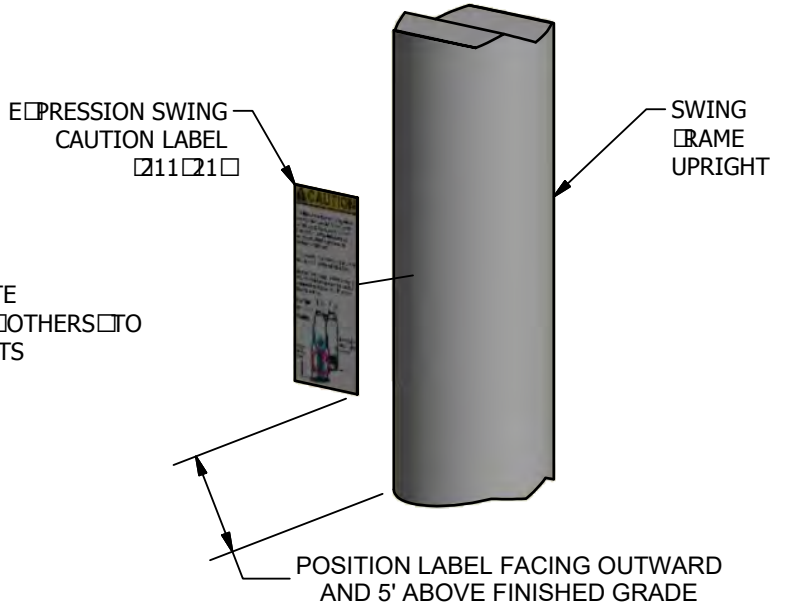
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421

NOTE:
SPACERS LOCATED
BETWEEN TAB AND
INTERIOR OF SHACKLE.



458

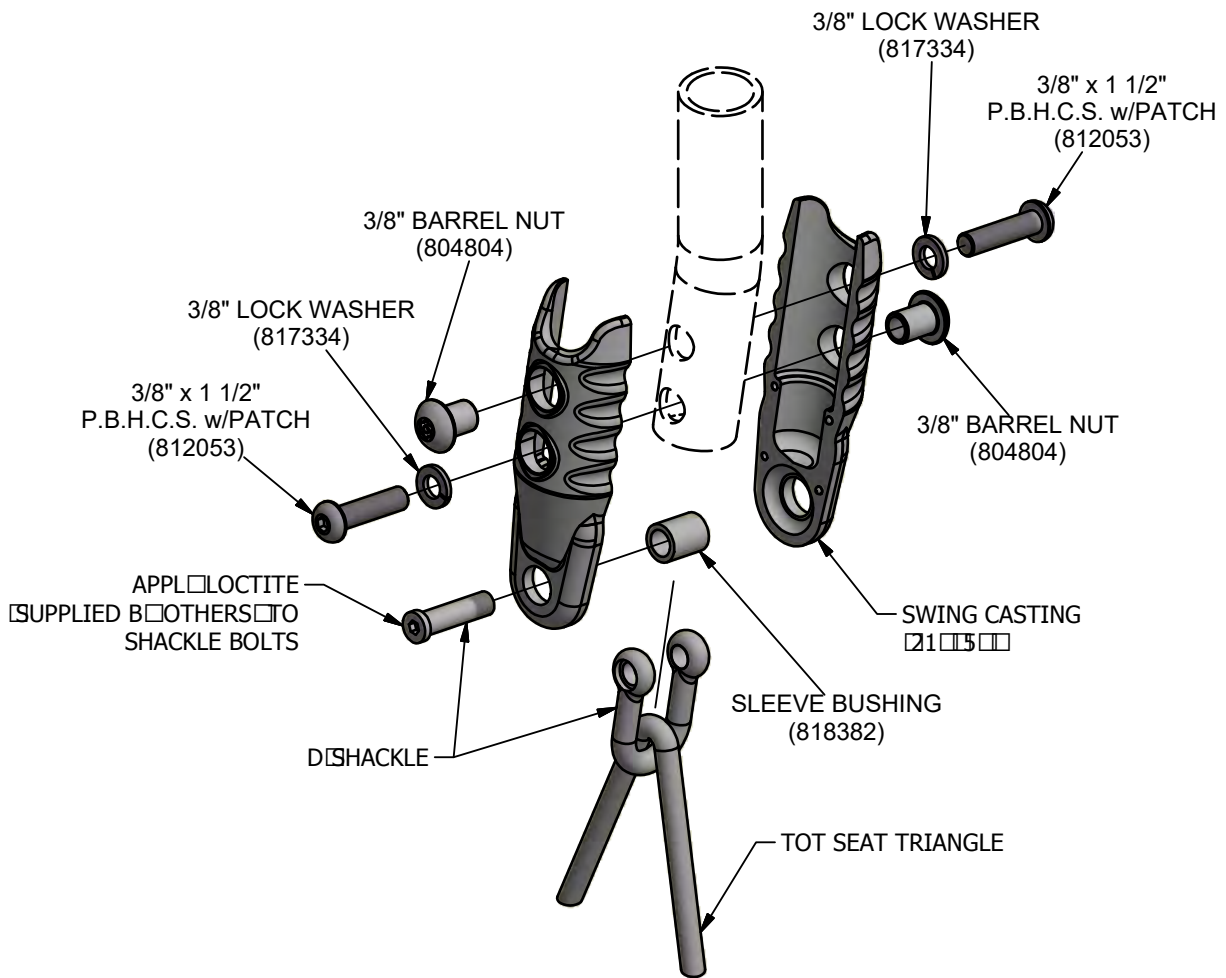
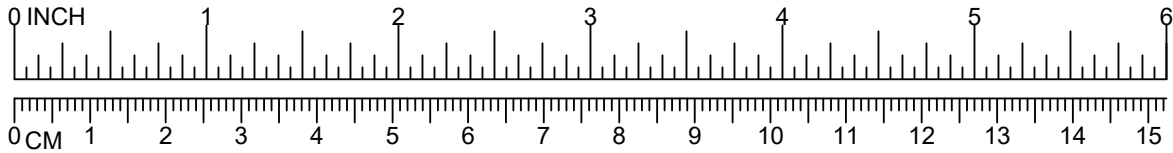
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713



A PLAYCORE Company





5165

EXPRESSION SWING w/ ADAPTIVE SEAT

ISSUED/REVISED: 1/19/2023

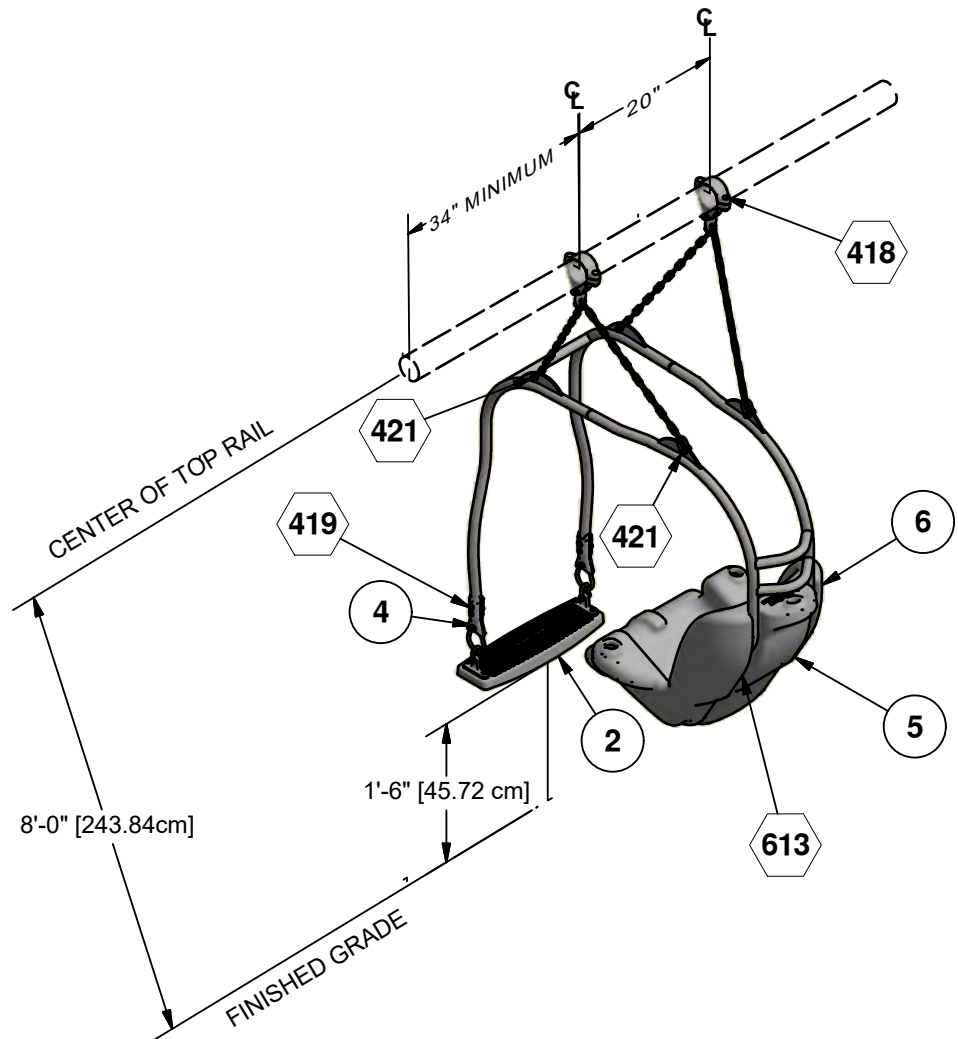
3 1/2" O.D. x 8' TOPRAIL 5165
5" O.D. x 8' TOPRAIL 5166

-  = 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. NOTE: Drill out 1/4" holes with 3/8" drill bit on the adaptive seat.



ASSEMBLY DRAWING
51 5 SHOWN

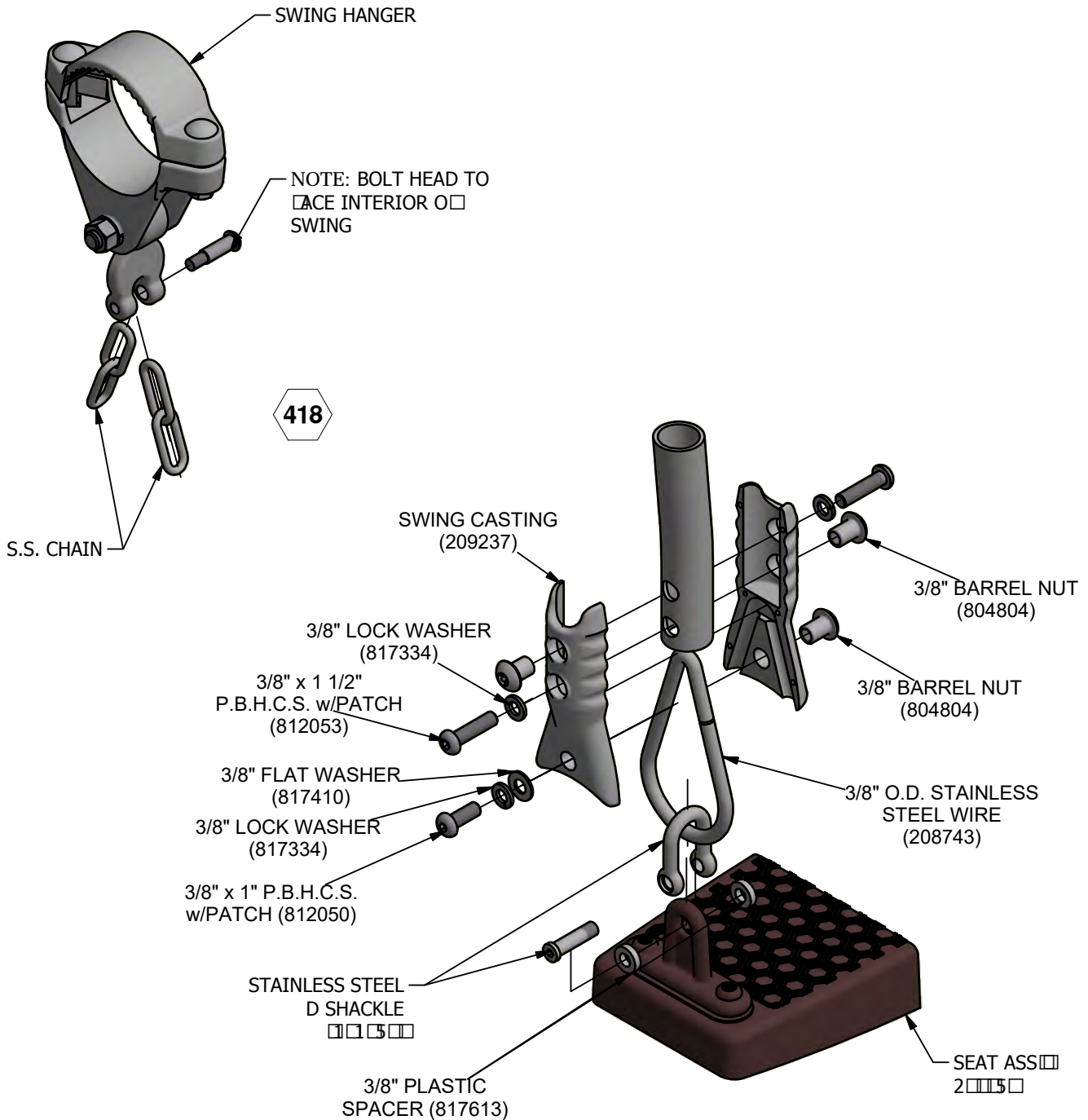
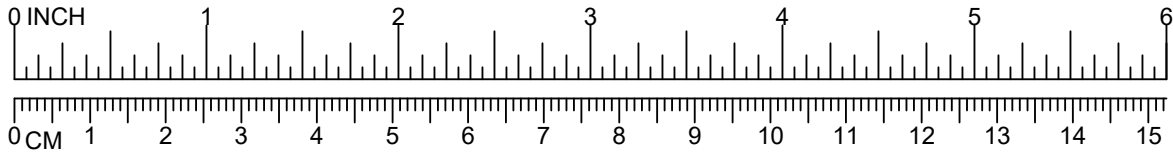
DETAILS -for- 5165 & 5166

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.



419

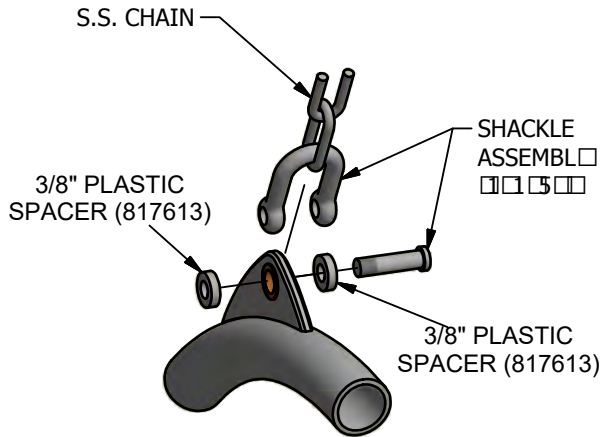
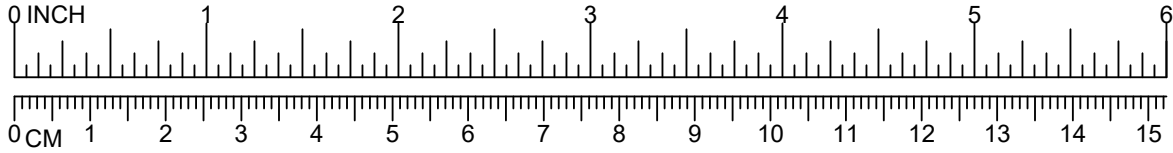
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421

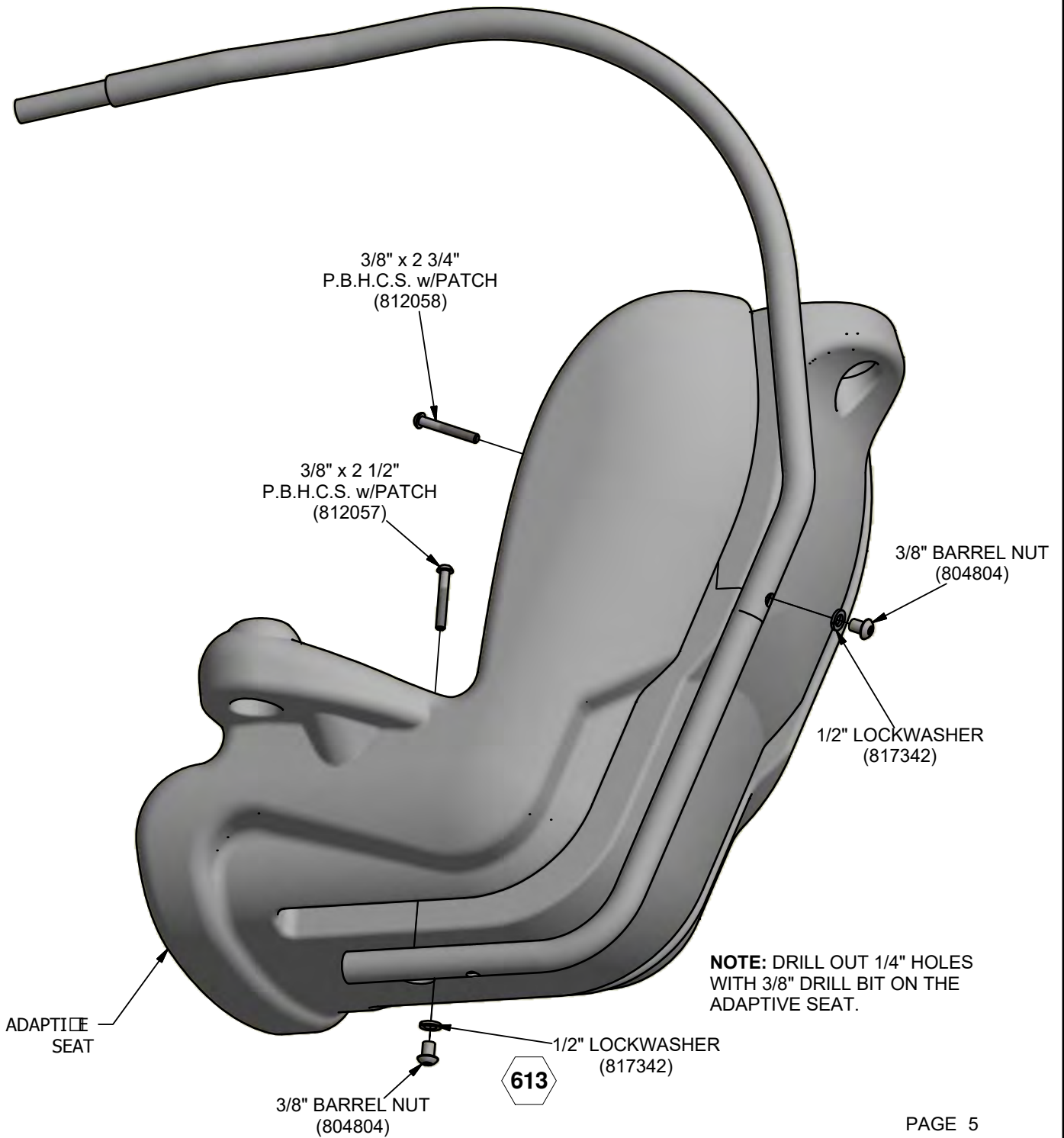
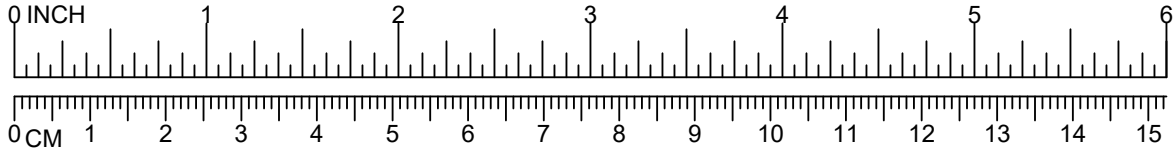
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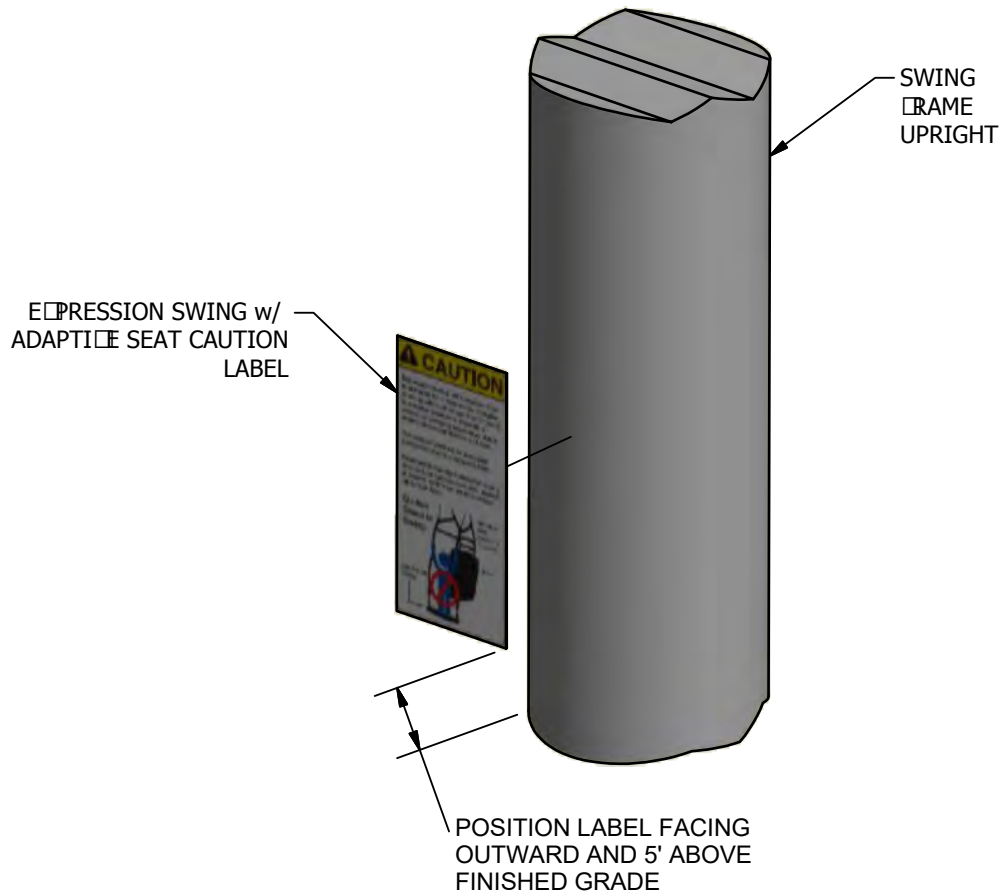
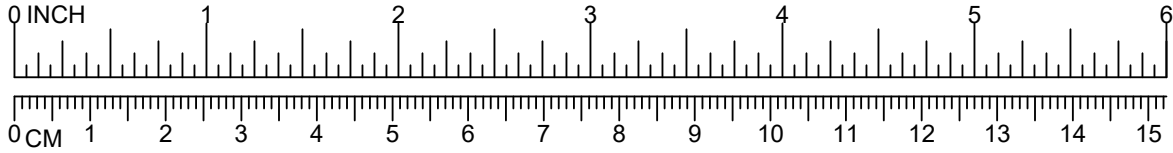
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A **PLAYCORE** Company
1-800-235-2440

5173

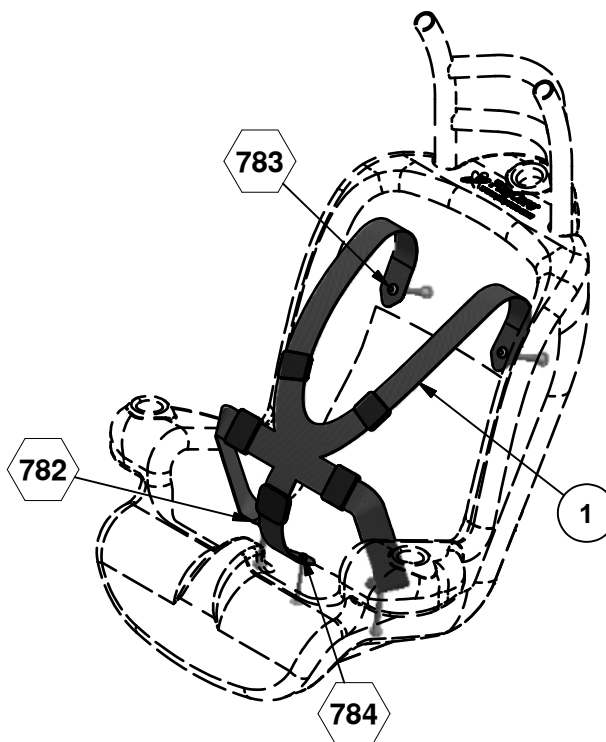
ADAPTIVE SWING W/ RUNG SAFETY BELT KIT

ISSUED/REVISED: 9/25/2018

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
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3. NOTE: Drill out 1/4" holes with 3/8" drill bit on the adaptive seat.



ASSEMBLY DRAWING

Parts List			
REF	DESCRIPTION	QTY	PART NUMBER
1	ADAPTIVE SWING SAFETY BELT	1	X18249
	HARDWARE COMPLETE	1	215684
	1/4" X 2-3/4" B.H.C.S.	1	811021*
	1/4" LOCK WASHER	1	817326*
	1/4" TEE-NUT	1	804559*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	812058*
	3/8" x 3" P.B.H.C.S. w/PATCH	2	812059*
	3/8" BARREL NUT	4	804804*
	1/2" LOCKWASHER	4	817342*

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.**

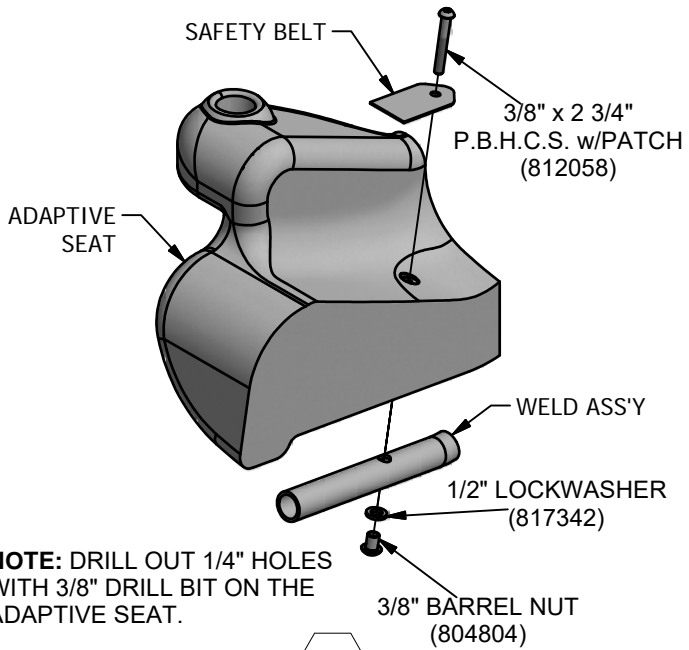
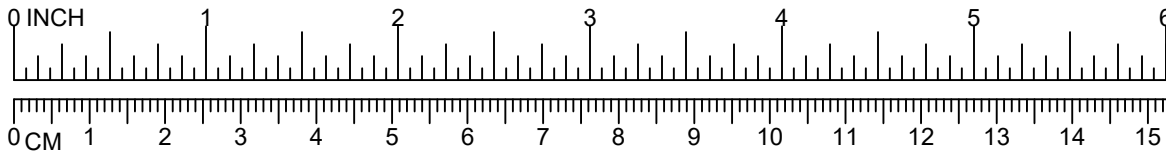
DETAILS -for- 5173

IMPORTANT

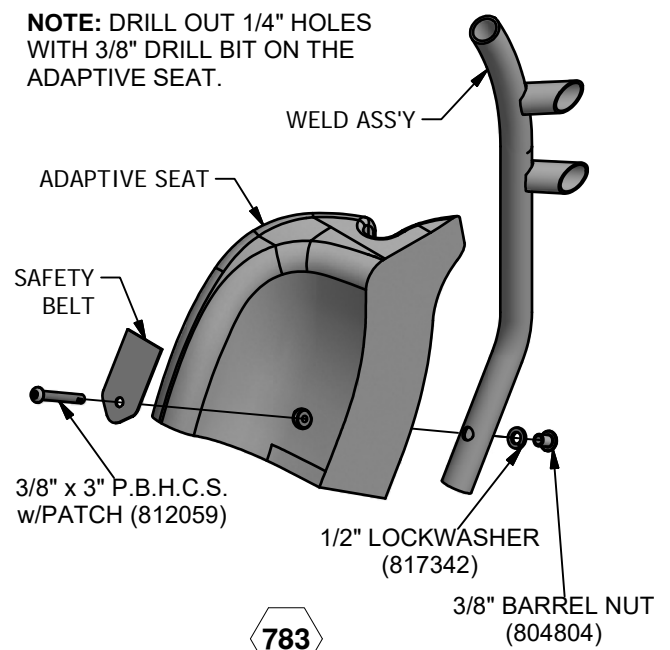
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

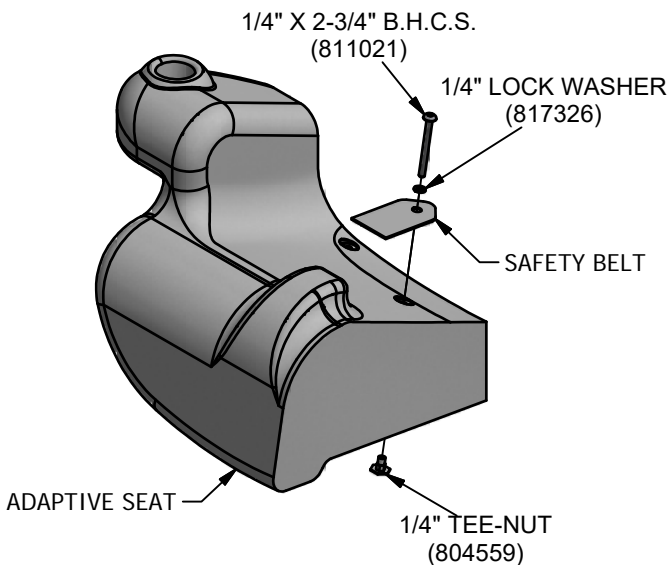
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



782



783



784





A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/23/15

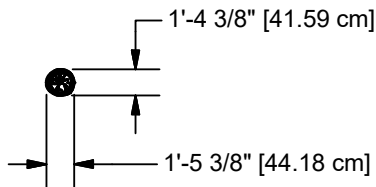
38111 TREE STUMP

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

TREE STUMP 38111
 TREE STUMP W/LABEL 38111L



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. **Backup Material:** Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing hole. 24" dia. min x 18" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Allow 48 hours minimum for concrete to cure before installing play feature.

STEP 3: Position lifting strap around the Play Feature

and attach free ends to lifting machinery

NOTE: Lifting strap and lifting machinery rated for 500 lbs min.

NOTE: Lifting strap should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

STEP 4: Carefully place and center play feature onto fully cured concrete footing. Secure with wedge anchors (QTY 4)

STEP 5: After play feature is in place and secured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as needed.

Parts List				
REF.	DESCRIPTION	38111	38111L	PART NUMBER
1	TREE STUMP	1	0	202192
1	TREE STUMP W/LABEL	0	1	206159
	HARDWARE COMPLETE	1	1	206037
	1/2" x 4 1/4" WEDGE ANCHOR	4	4	800082*

*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.

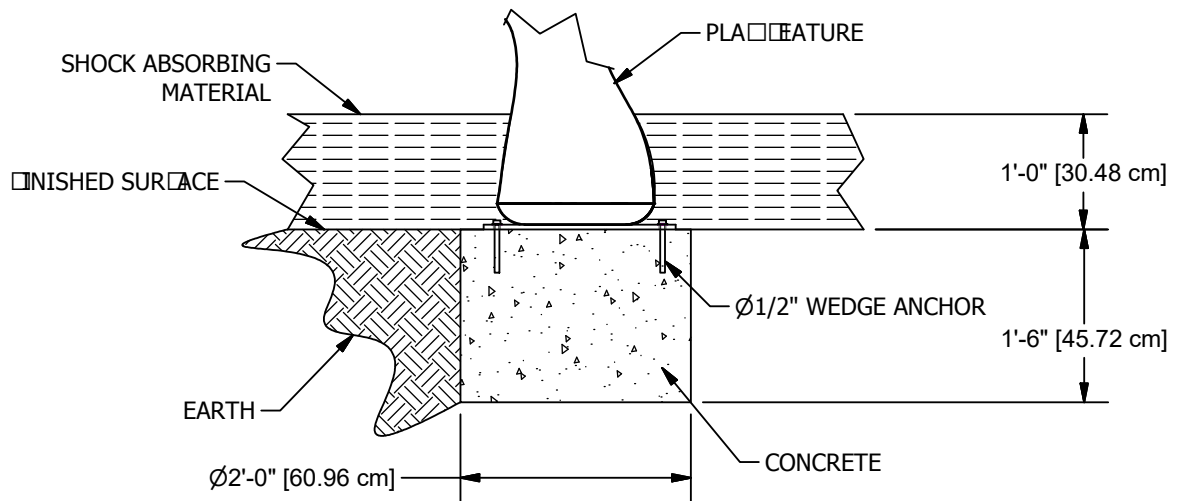
Note: Loctite (supplied by others) should be used on any non-patch hardware.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



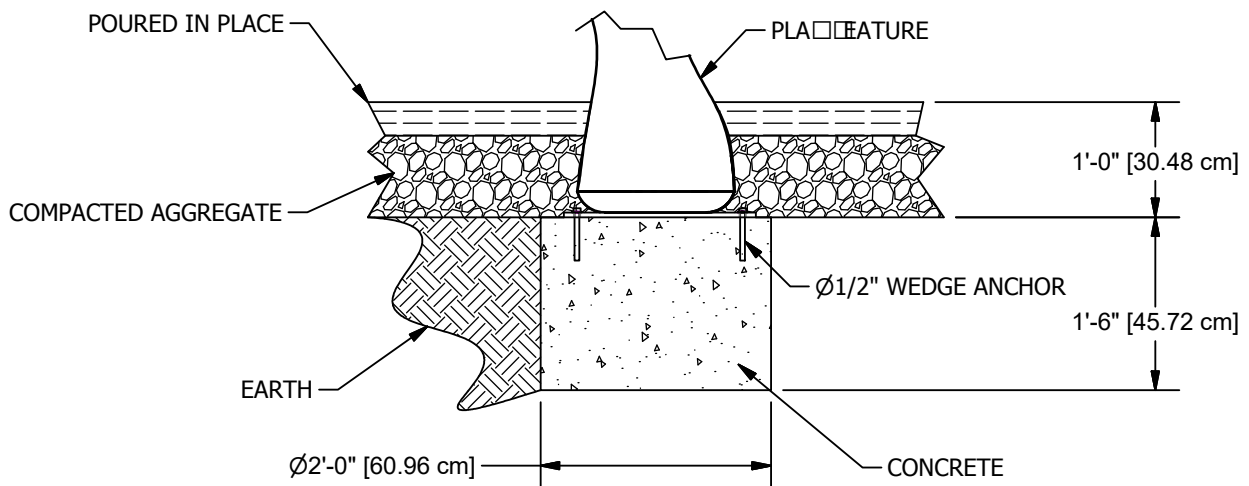
- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces 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.
- 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.



NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED:
.175 CUBIC YARDS
.134 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.

CONCRETE REQUIRED:
.175 CUBIC YARDS
.134 CUBIC METERS



SHOCK ABSORBING PROPERTIES OF SURFACING
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THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,
MAKE UP THE DIFFERENCE IN ELEVATION WITH
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Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 3/24/10

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

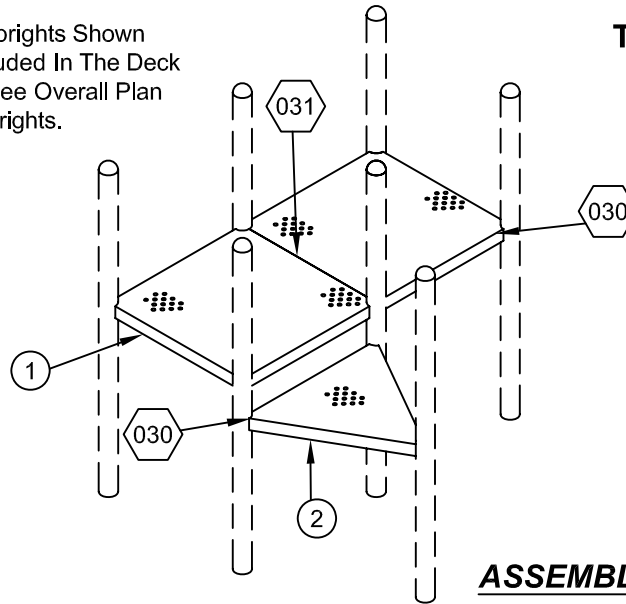
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 80000
TRIANGLE 80001

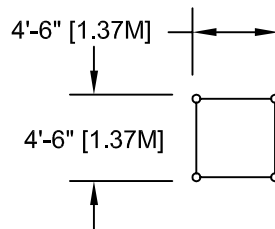
**INSTALLATION
INSTRUCTIONS**

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

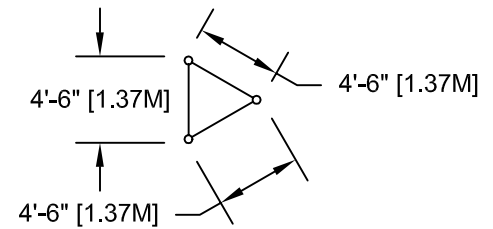
NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING



80000



80001

TOP VIEWS

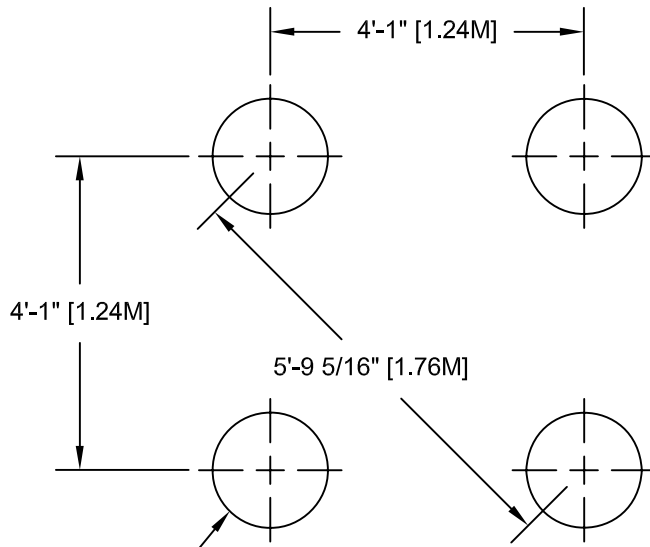
PARTS LIST

REF NO.	DESCRIPTION			PART NUMBER
		80000	80001	
1	Punched Deck, Square	1	0	163307
2	Punched Deck, Triangle	0	1	163317
	Hardware Complete	1	0	161254
	Hardware Complete	0	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	2	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
	3/8" Tee-Nut	2	2	804556*
	3/8" Lockwasher	10	8	817334*
	3/8" Flatwasher (1 1/4" O.D.)	10	8	817424*

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



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

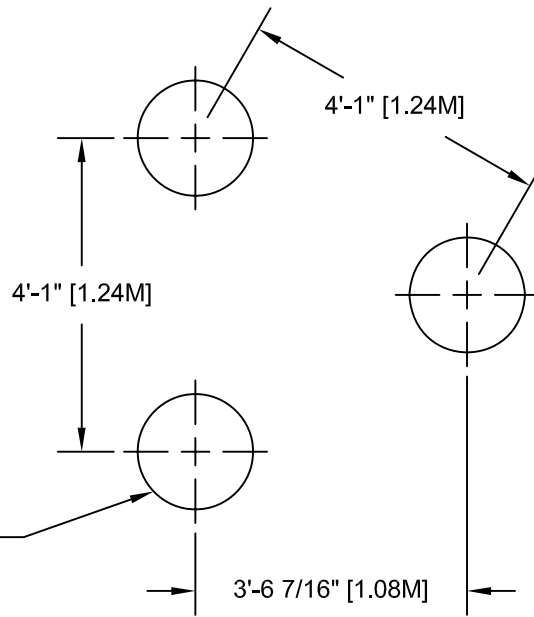


1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

80000

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

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



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

80001

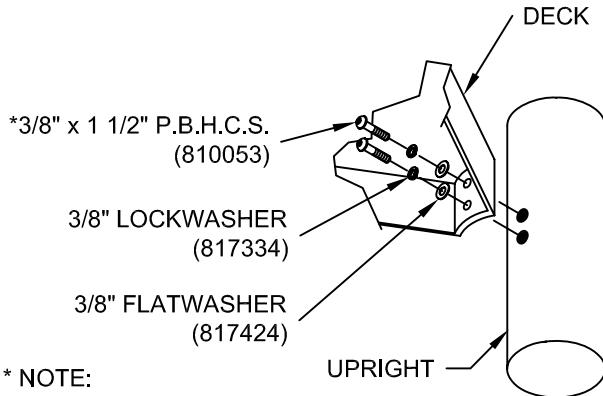
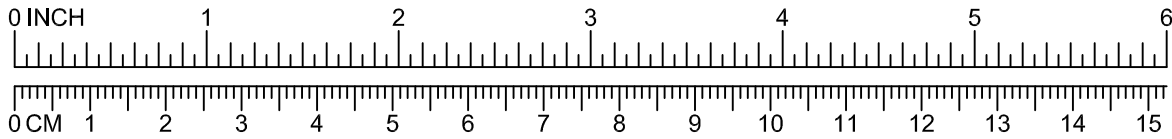
GROUND PLANS

DETAILS -for- 80000 & 80001

IMPORTANT

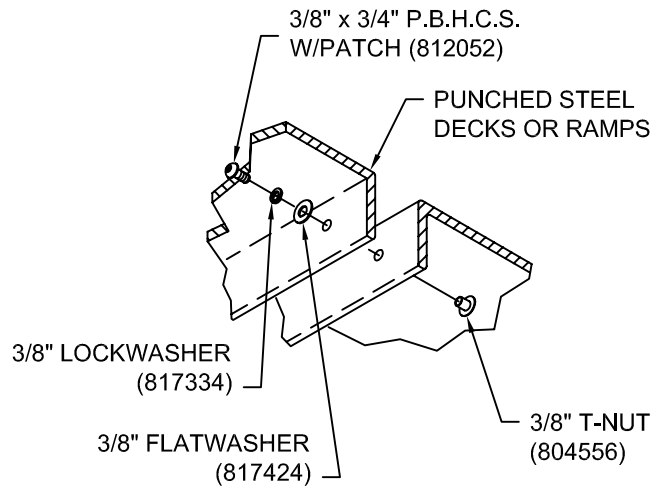
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



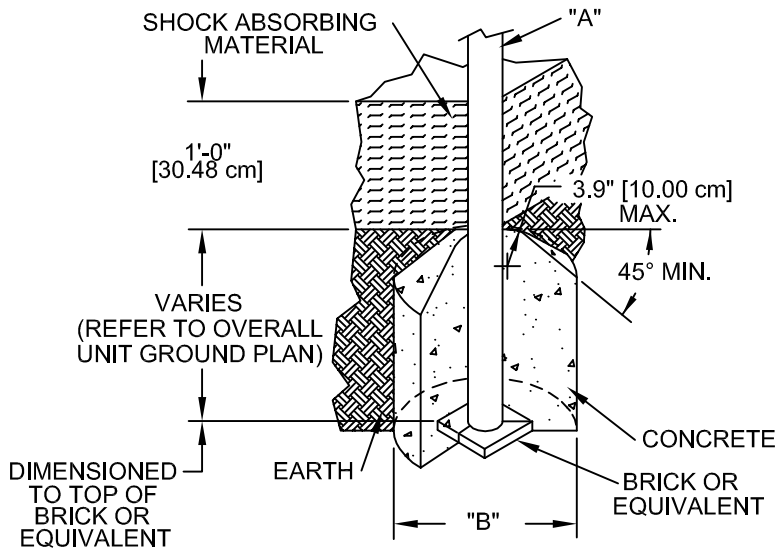
* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

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



030

031



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

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

032

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

ACCESSIBLE STEP ATTACHMENT

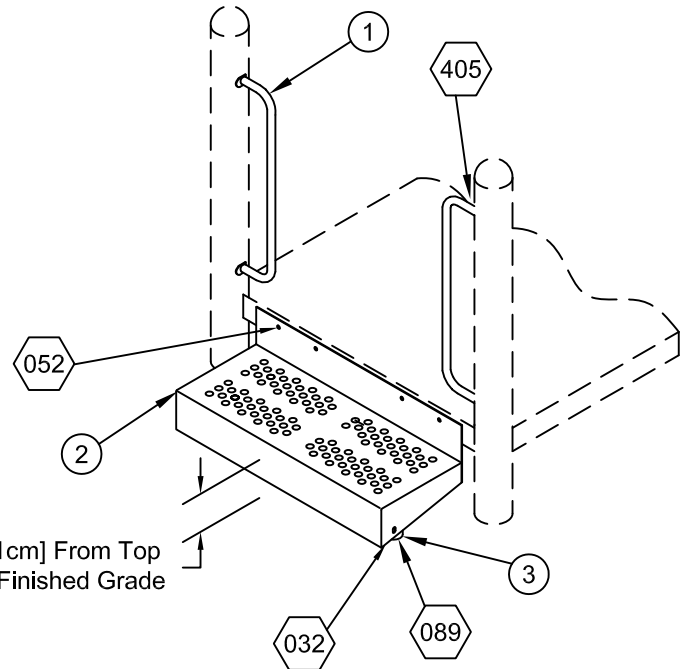
 = INSTALLATION
= DETAIL

 = PARTS LIST
= REFERENCE

INSTALLATION INSTRUCTIONS

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

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



0'-6" [15.21cm] From Top of Step to Finished Grade

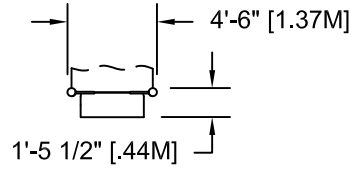
ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Handhold Ass'y	2	211395
2	Step	1	159231
3	Support Pipe	2	141850
	<i>Hardware Complete</i>	1	177004
	3/8" Lockwasher	14	817334*
	3/8" x 1 1/4" Hex Head Bolt	8	812051*
	3/8" x 1" P.B.H.C.S. w/Patch	4	812050*
	3/8" Flatwasher	6	817424*
	3/8" T-Nut	6	804556*
	3/8" x 2" P.B.H.C.S. w/Patch	2	812055*

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

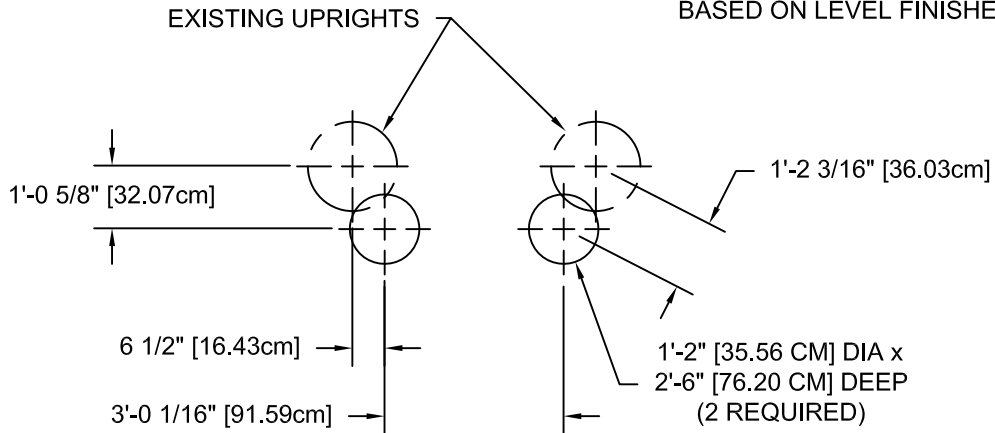
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.



TOP VIEW

Concrete Required
 .12 Cubic Yards [.09 cm]

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



GROUND PLAN

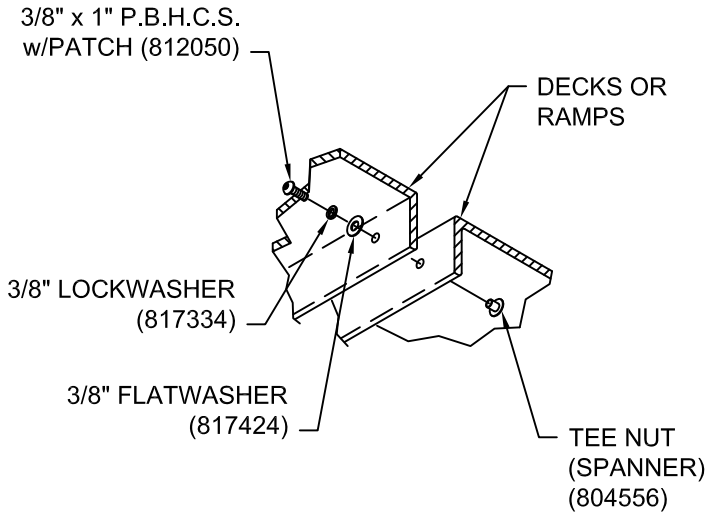
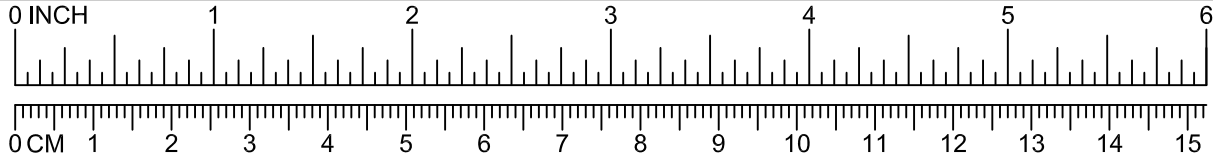
DETAILS -for- 80690

IMPORTANT

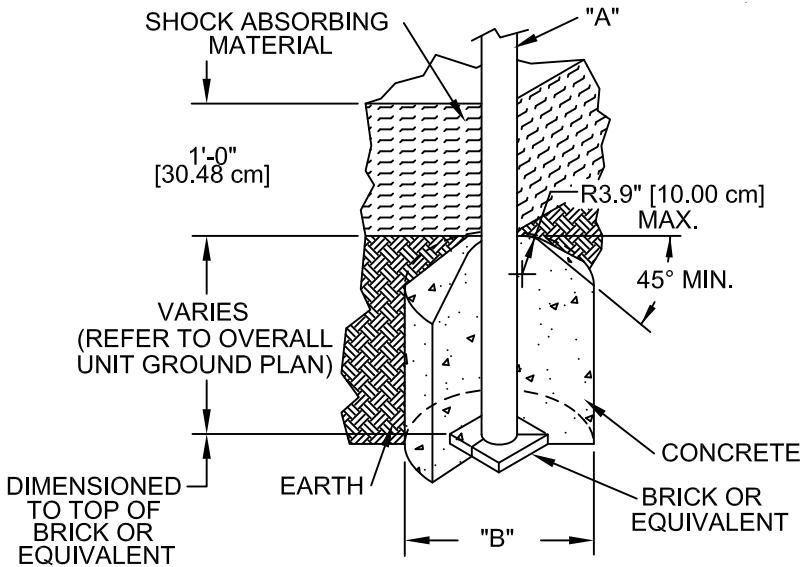
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



052



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

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

032

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

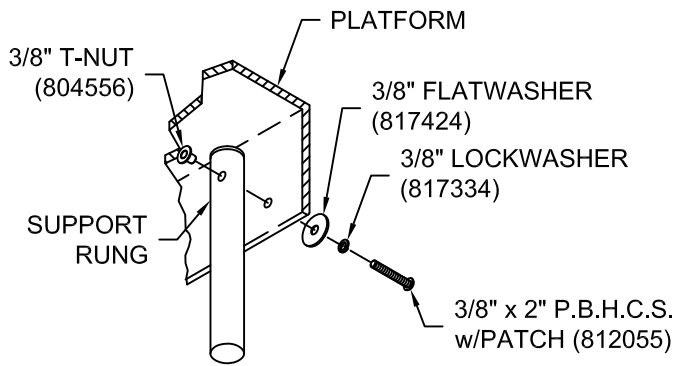
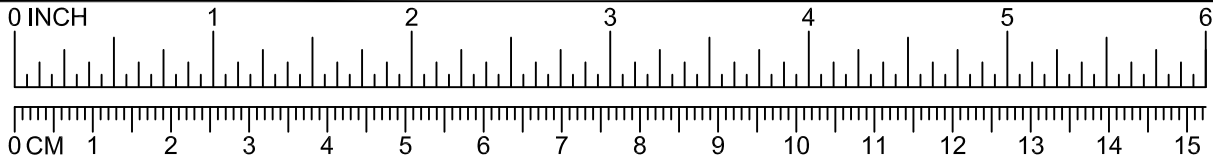
DETAILS -for- 80690

IMPORTANT

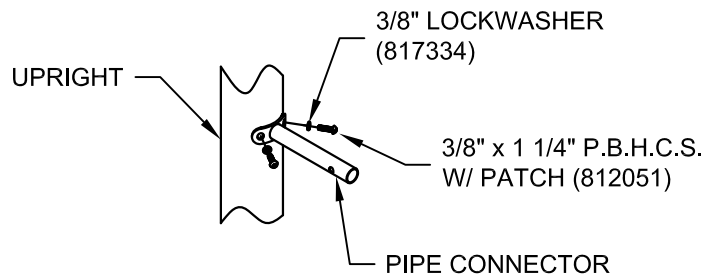
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.





089

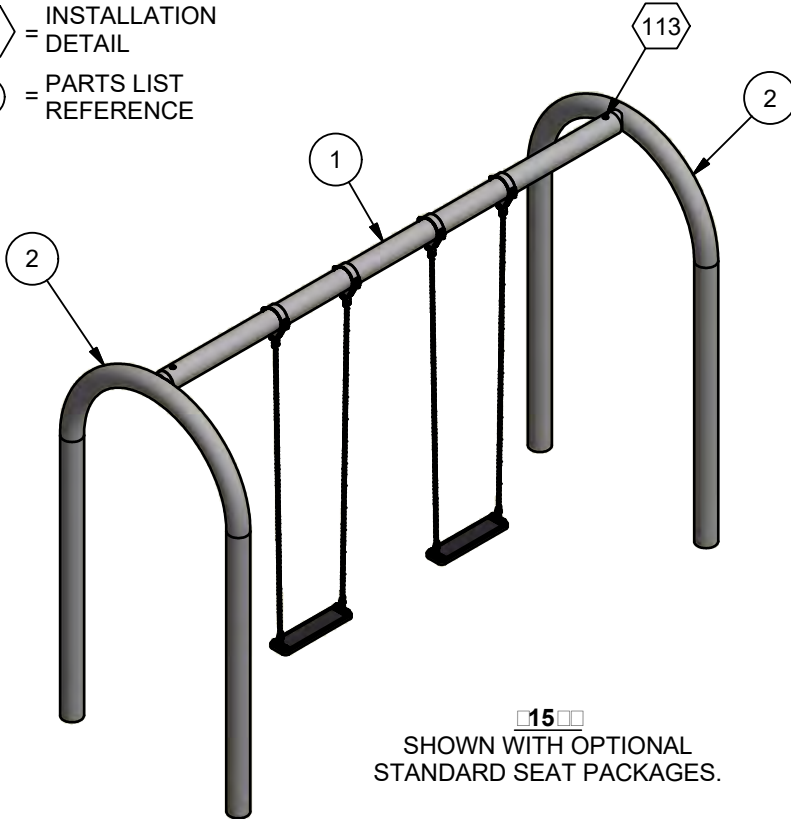



405

81598 TWO-PLACE SWING

FREESTANDING 81598
ADD-A-BAY 81599

 = INSTALLATION
= DETAIL
 = PARTS LIST
= REFERENCE

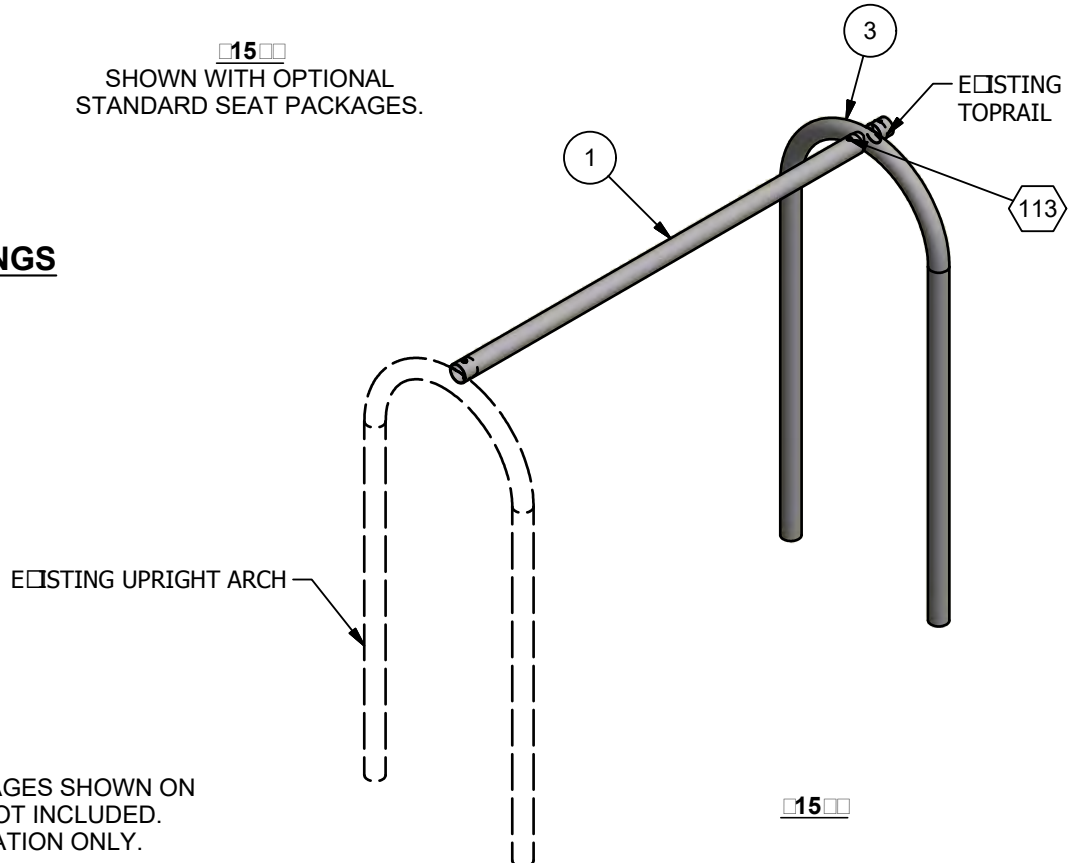


 SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

1. SAFETY
1. SAFETY

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

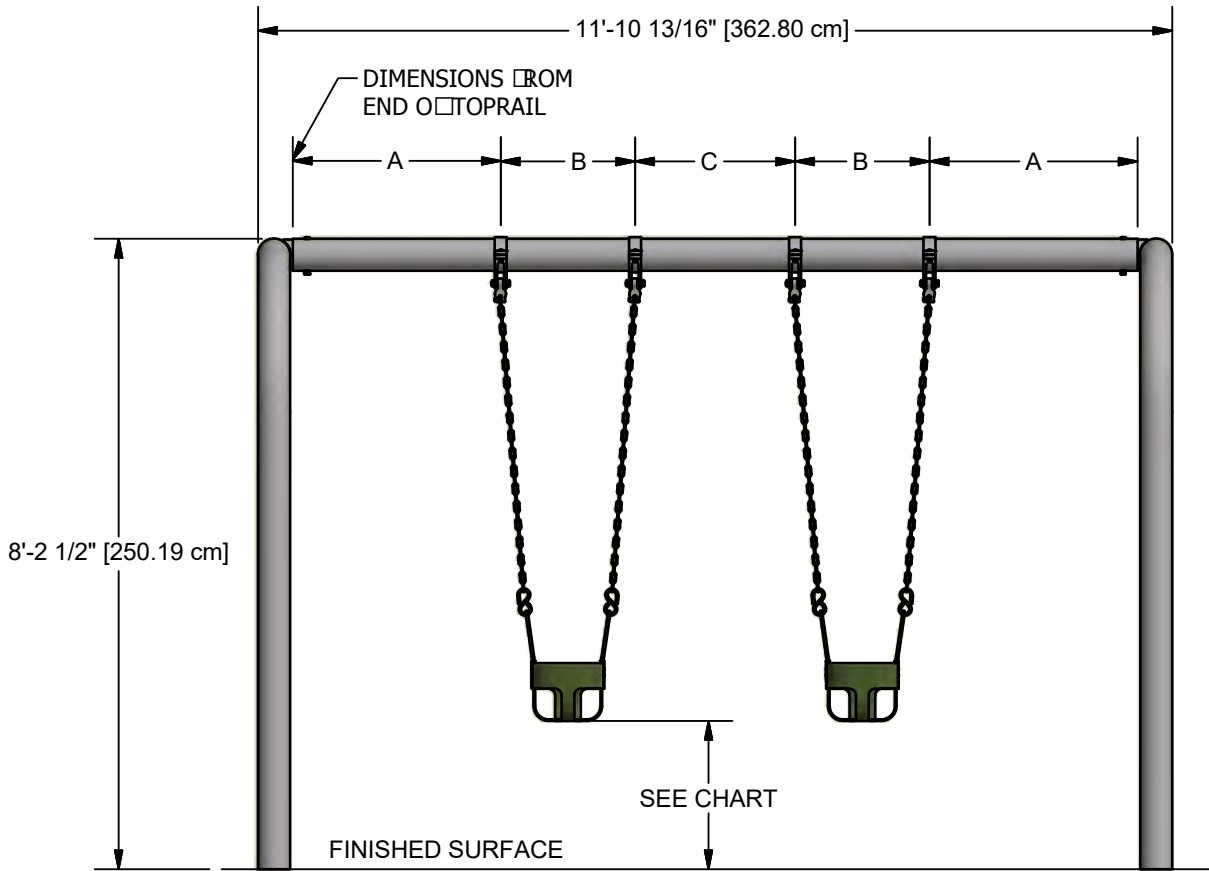
ASSEMBLY DRAWINGS



NOTE: SWING SEAT PACKAGES SHOWN ON
ASSEMBLY DRAWING NOT INCLUDED.
SHOWN FOR ILLUSTRATION ONLY.



TOPRAIL DIMENSIONS	
DIM A	2'-8 1/2" [82.55 cm]
DIM B	1'-9" [53.34 cm]
DIM C	2'-1" [62.50 cm]

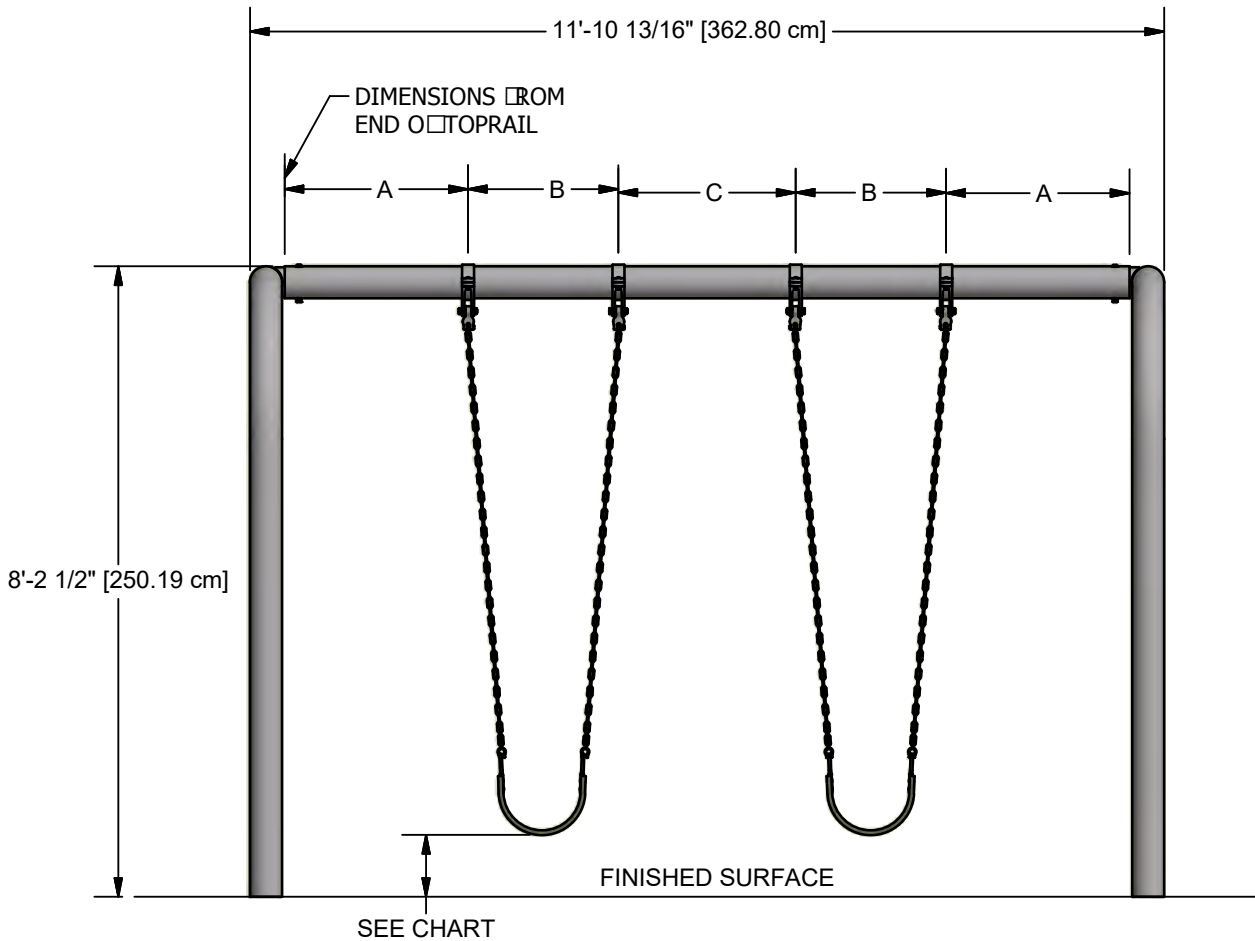


81598 SHOWN (81599 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

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

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

TOPRAIL DIMENSIONS	
DIM A	2'-4 5/8" [72.76 cm]
DIM B	1'-11 1/2" [59.69 cm]
DIM C	2'-3 11/16" [70.38 cm]



81598 SHOWN (81599 SIMILAR)
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

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

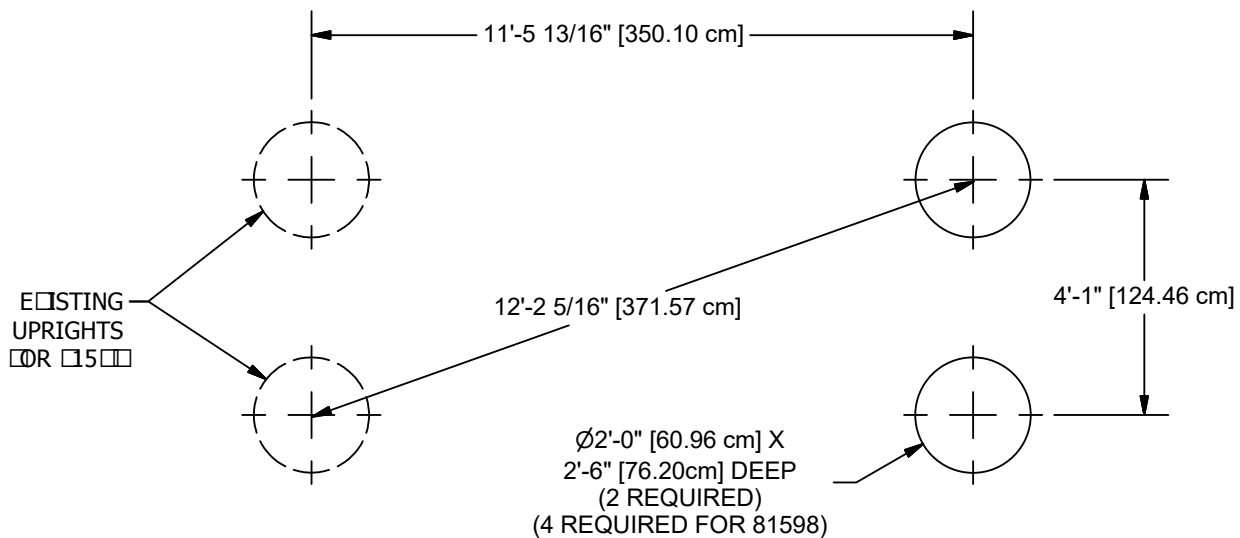
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

Parts List				
ITEM	DESCRIPTION	81598	81599	PART NUMBER
1	TOPRAIL	1	1	208808
2	ARCH END UPRIGHT ASSEMBLY	2	0	147006
3	MULTI-BAY ARCH UPRIGHT ASSEMBLY	0	1	147009
	HARDWARE COMPLETE	1	1	147013
	1/2" x 5 1/2" B.H.C.S.	2	2	811071*
	1/2" LOCKWASHER	4	4	817342*
	1/2" HEX NUT	2	2	804055*

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

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

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

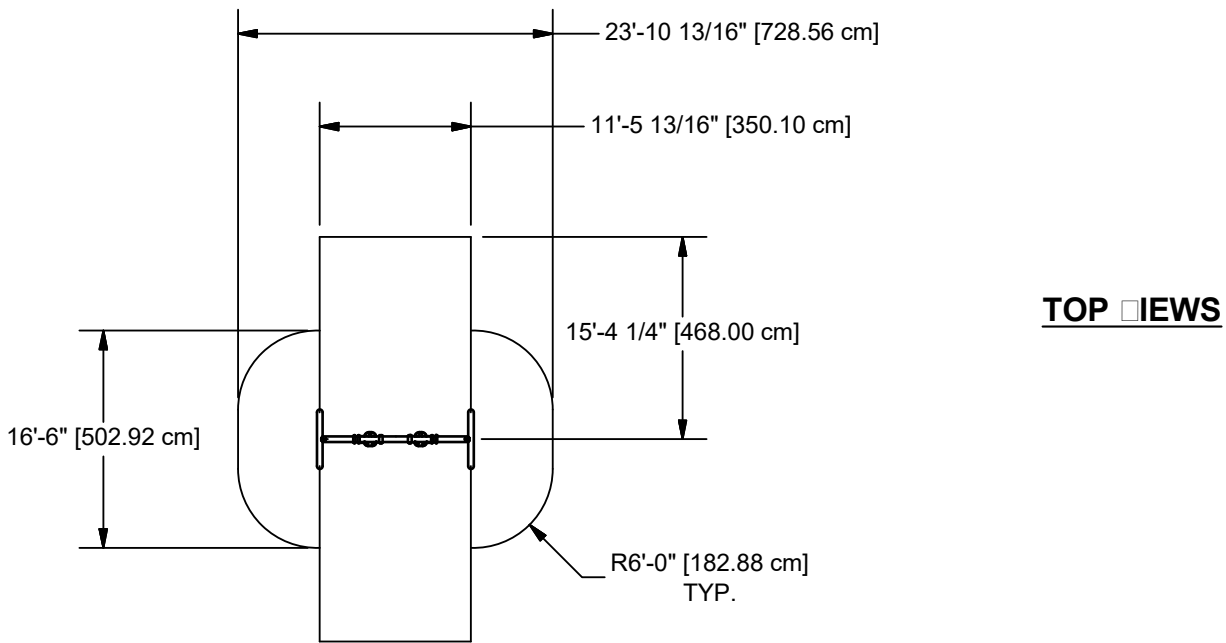


GROUND PLAN

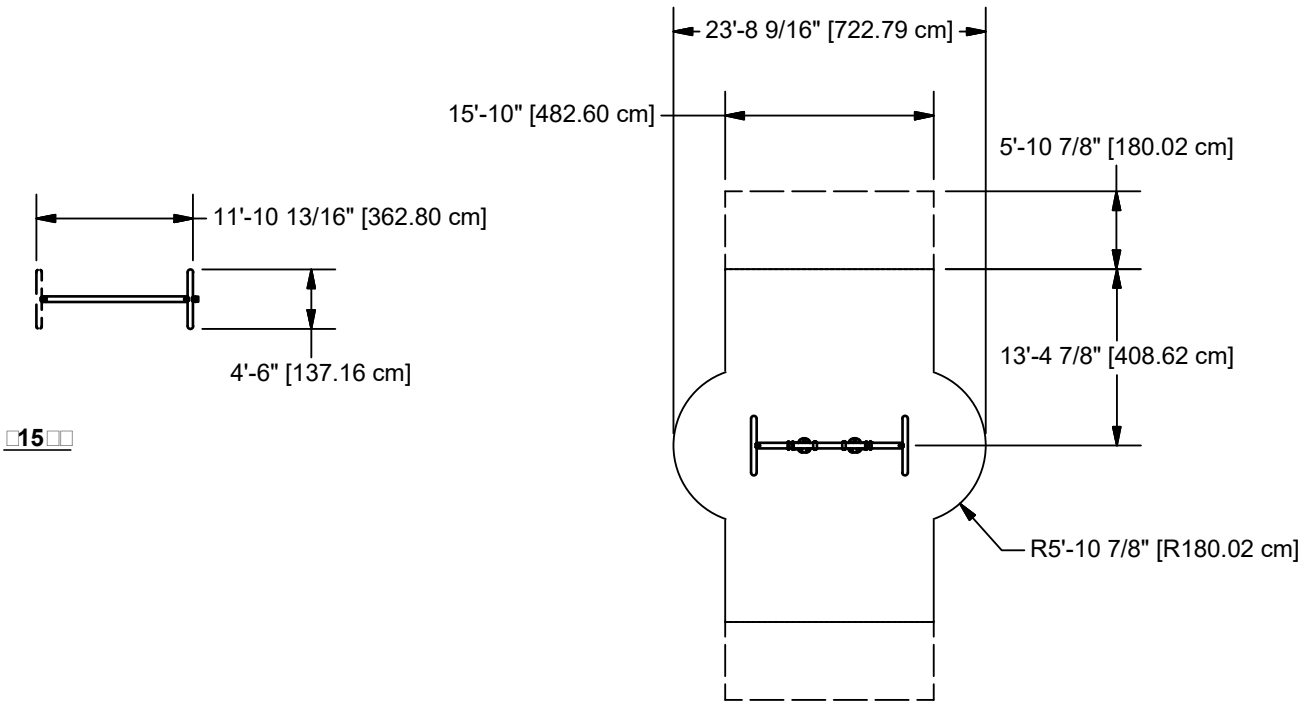
CONCRETE REQUIRED -81598
 .68 CUBIC YARDS
 [.52 CUBIC METERS]

CONCRETE REQUIRED - 81599
 .34 CUBIC YARDS
 [.26 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.



15



15 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 \square O \square E \square \square \square O \square A \square H \square M \square E \square \square ZONE (CANADA ONLY).
4. *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND \square O \square E \square \square \square O \square A \square H \square M \square E \square \square ZONE DIMENSIONS BY 11'-5 13/16" [3.79M].

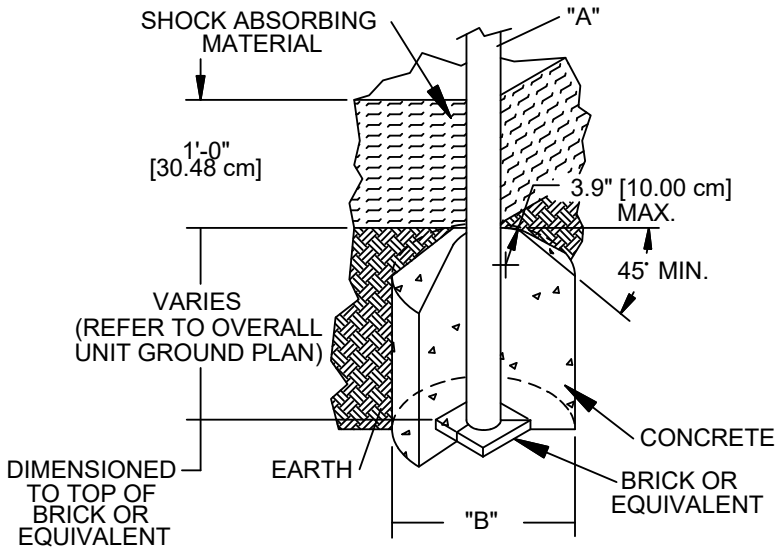
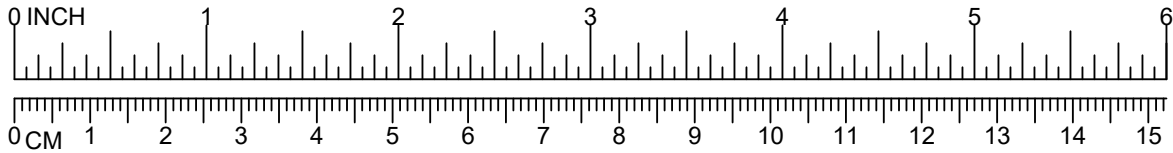
DETAILS -for- 81598 & 81599

IMPORTANT

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

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

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



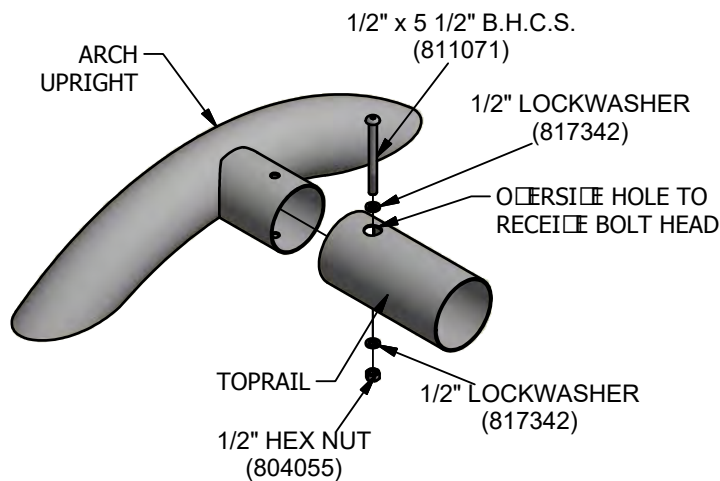
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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



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







Enriching Childhood Through Play™

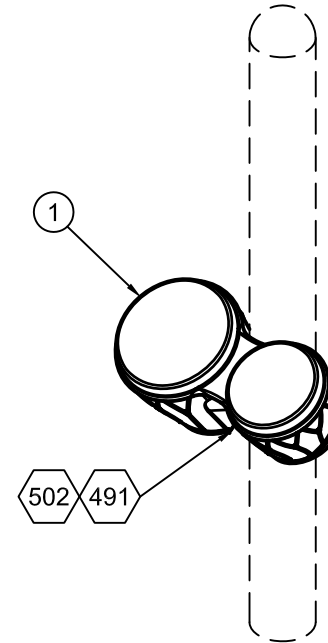
1-800-235-2440

ISSUED/REVISED: 9/11/12

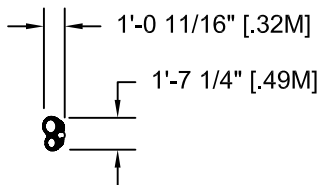
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

**INSTALLATION
INSTRUCTIONS**

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



ASSEMBLY DRAWING



TOP VIEW

PARTS LIST

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

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

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

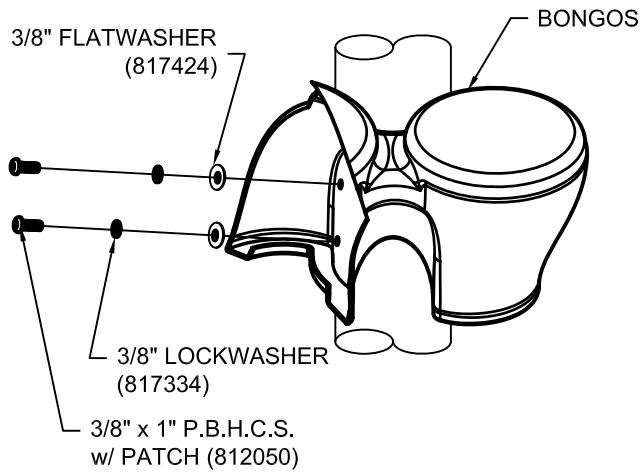
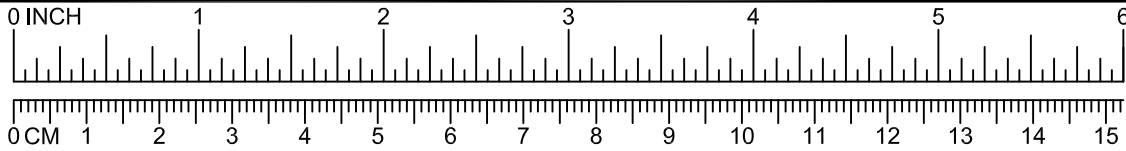
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81699

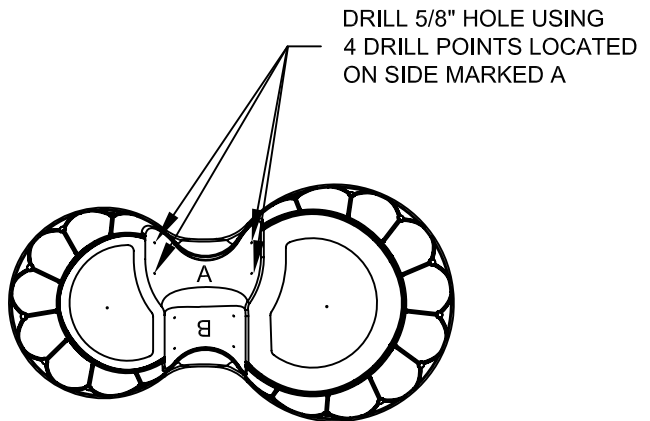
IMPORTANT

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

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



491



502



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1-800-235-2440

DOUBLE ZIP SLIDE

ISSUED/REVISED: 05/18/12

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

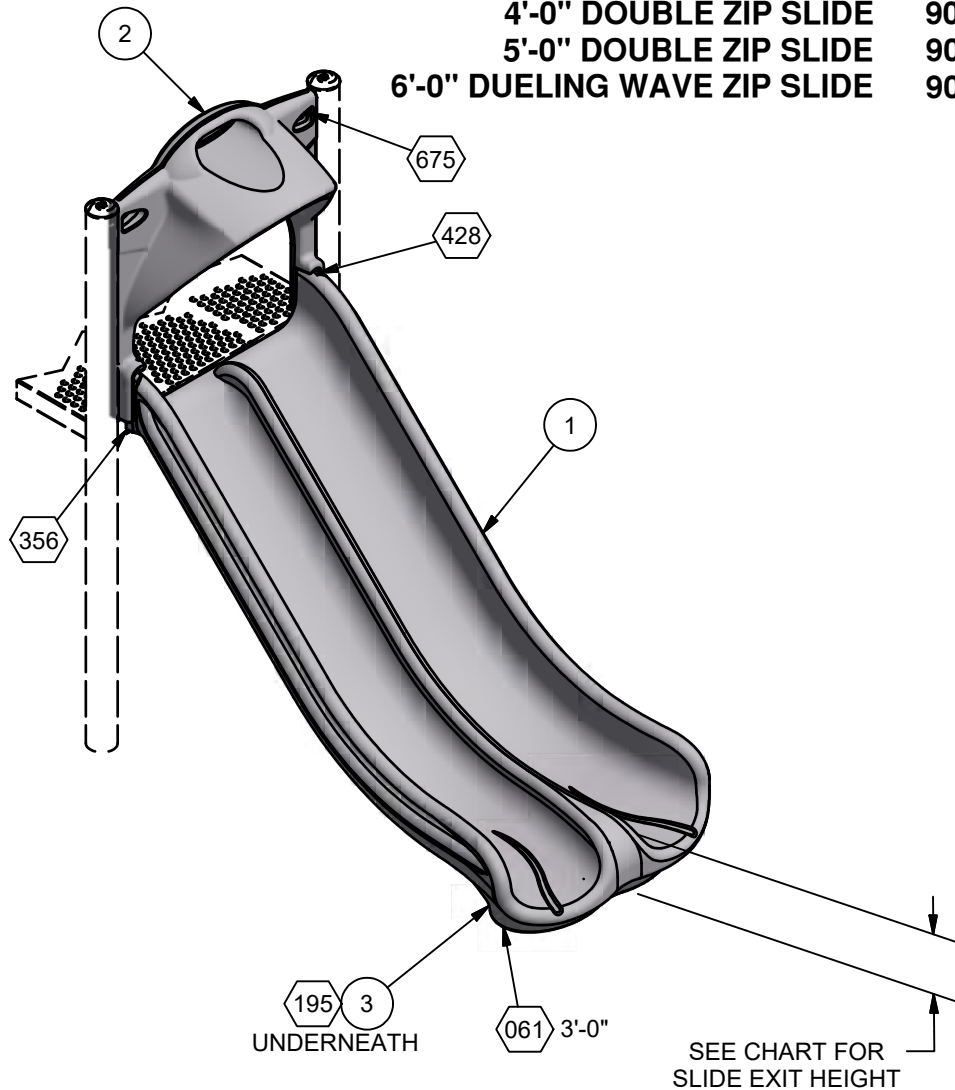
- 2'-6"/3'-0" RUMBLE & ROLL ZIP SLIDE 90507
- 4'-0" DOUBLE ZIP SLIDE 90508
- 5'-0" DOUBLE ZIP SLIDE 90509
- 6'-0" DUELING WAVE ZIP SLIDE 90510



90507
90508
90509



90510



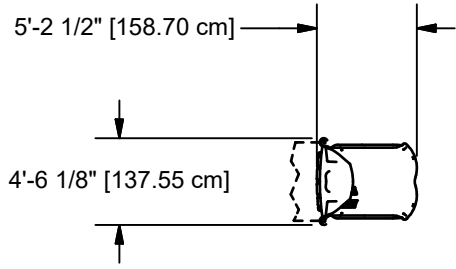
INSTALLATION INSTRUCTIONS

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. If the white plug underneath slide is not drilled, drill a 3/16" diameter hole in center after installation.

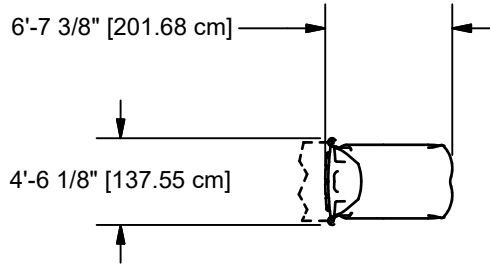
PART NO.	SLIDE EXIT HEIGHT
90507 (2'-6")	0'-4 3/4" [12 cm]
90507 (3'-0")	0'-10 3/4" [27 cm]
90508 (4'-0")	0'-7" [18 cm]
90509 (5'-0")	0'-8 3/4" [22 cm]
90510 (6'-0")	0'-11" [28 cm]

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

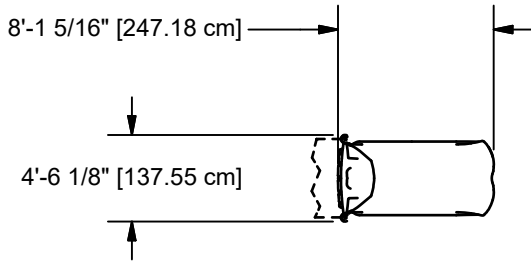
EXIT HEIGHT CHART -for- 5'-0" TO 8'-0"	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS



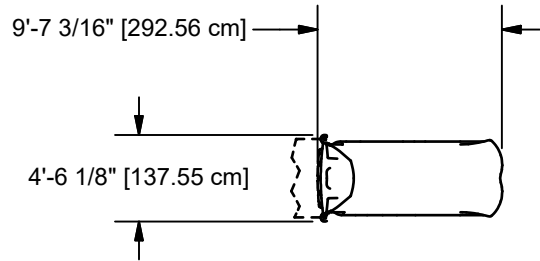
90507



90508

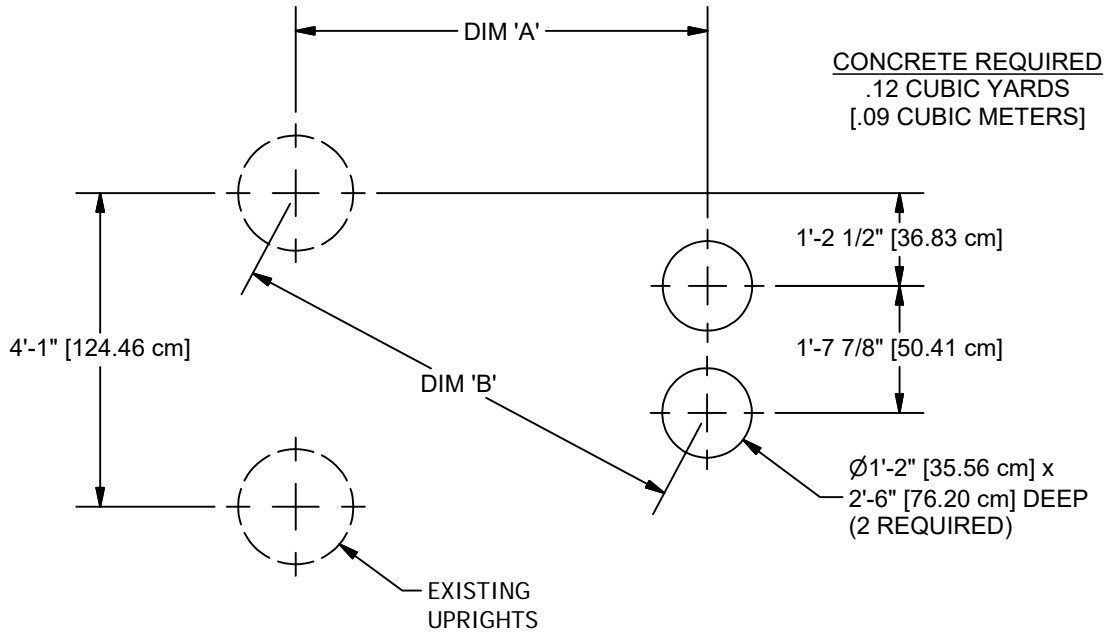


90509



90510

TOP VIEWS



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

PART NO.	DIM "A"	DIM "B"
90507	3'-11 1/8" [120 cm]	4'-10 7/16" [148 cm]
90508	5'-4 1/8" [163 cm]	6'-0 7/8" [185 cm]
90509	6'-9 1/8" [206 cm]	7'-4 1/8" [224 cm]
90510	8'-3 3/8" [252 cm]	8'-9 3/16" [267 cm]

Parts List						
REF.	DESCRIPTION	90507	90508	90509	90510	PART NUMBER
1	3' RUMBLE & ROLL SLIDE	1	0	0	0	176401
1	4' DOUBLE SLIDE	0	1	0	0	176188
1	5' DOUBLE SLIDE	0	0	1	0	176189
1	6' DUELING WAVE SLIDE	0	0	0	1	176158
2	DOUBLE ZIP SLIDE HOOD	1	1	1	1	203860
3	FOOTBUCK	2	2	2	0	176385
3	FOOTBUCK	0	0	0	2	176384
	HARDWARE COMPLETE	1	0	0	0	204379
	HARDWARE COMPLETE	0	1	1	1	204380
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812058*
	3/8" x 3" HEX HEAD BOLT	2	0	0	0	801011*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	817424*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	2	817401*
	3/8" FLAT WASHER	4	4	4	4	817410*
	3/8" LOCKWASHER	14	12	12	12	817334*
	3/8" HEX NUT	2	0	0	0	804053*
	6" EXTENSION	2	0	0	0	151080*

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

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

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

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

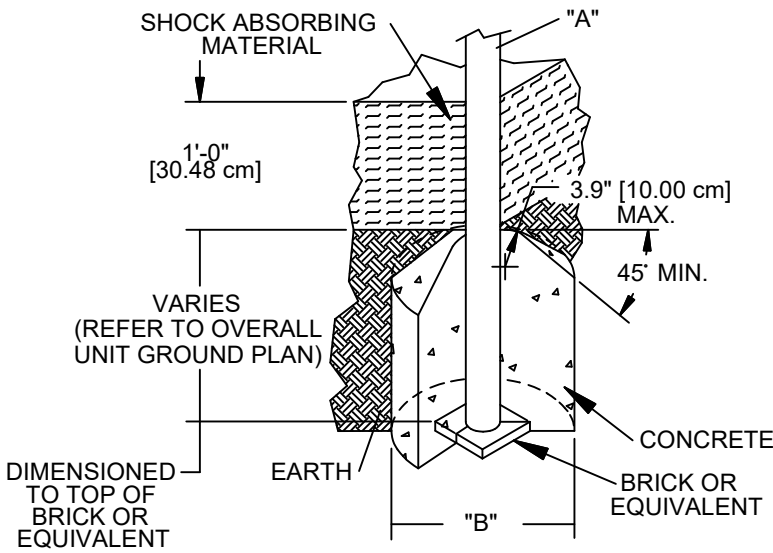
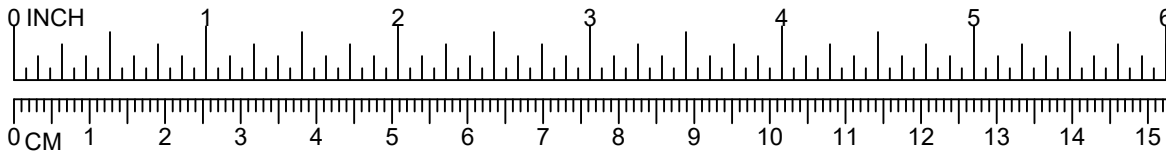
DETAILS -for- 90507, 90508, 90509 & 90510

IMPORTANT

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

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

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



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

NOTES:

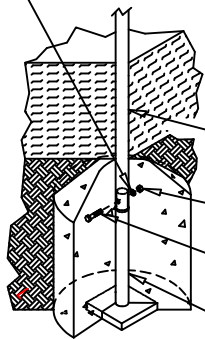
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

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

3/8" LOCKWASHER
(817334)

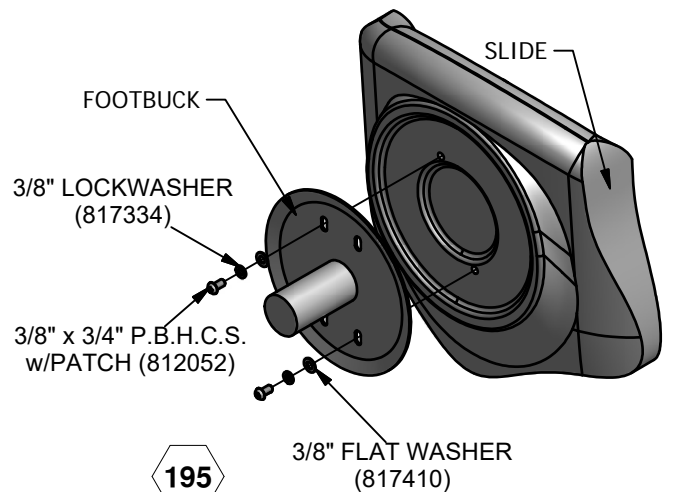


LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

SEE CHART
FOR SIZE

EXTENSION



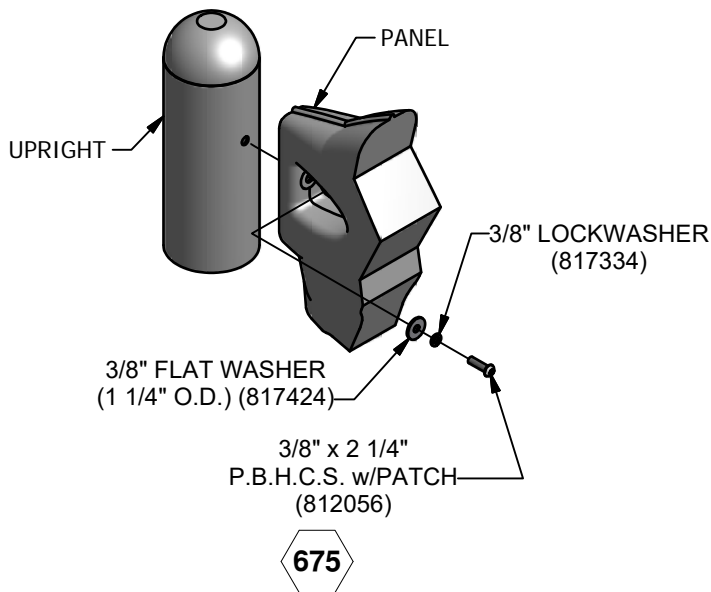
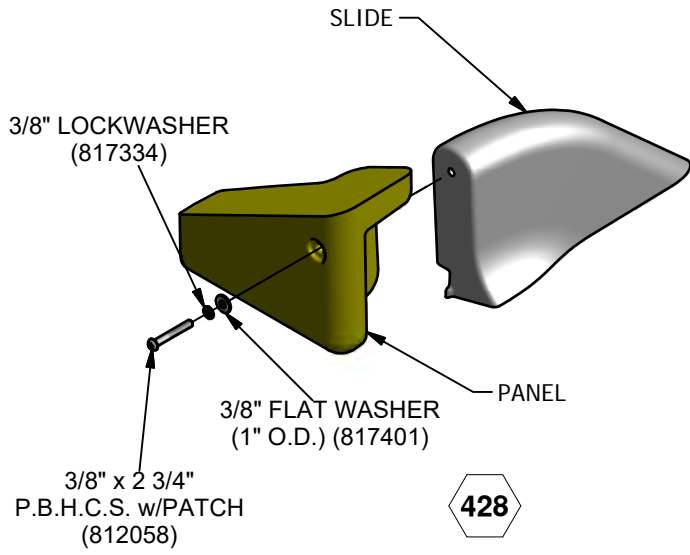
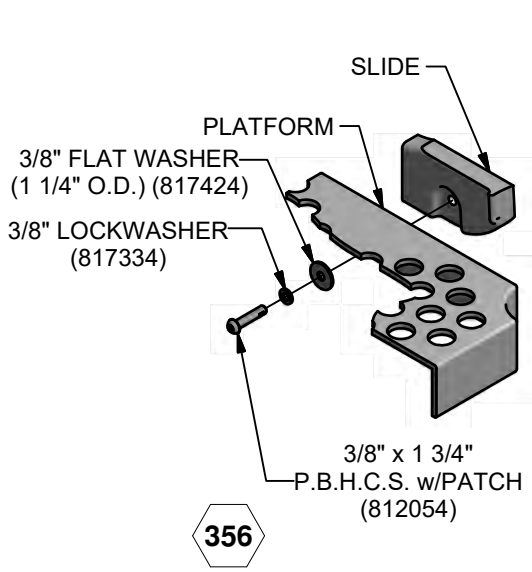
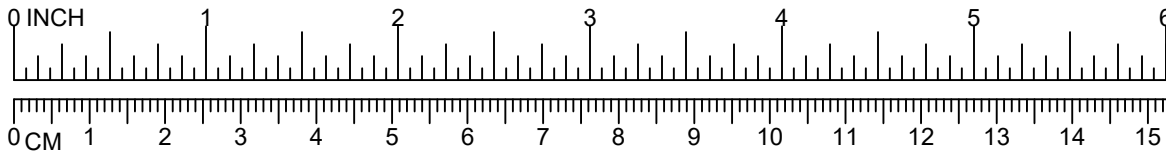
DETAILS -for- 90507, 90508, 90509 & 90510

IMPORTANT

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

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

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



PowerScape

GameTime

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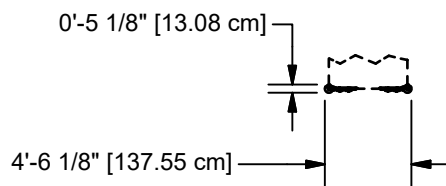
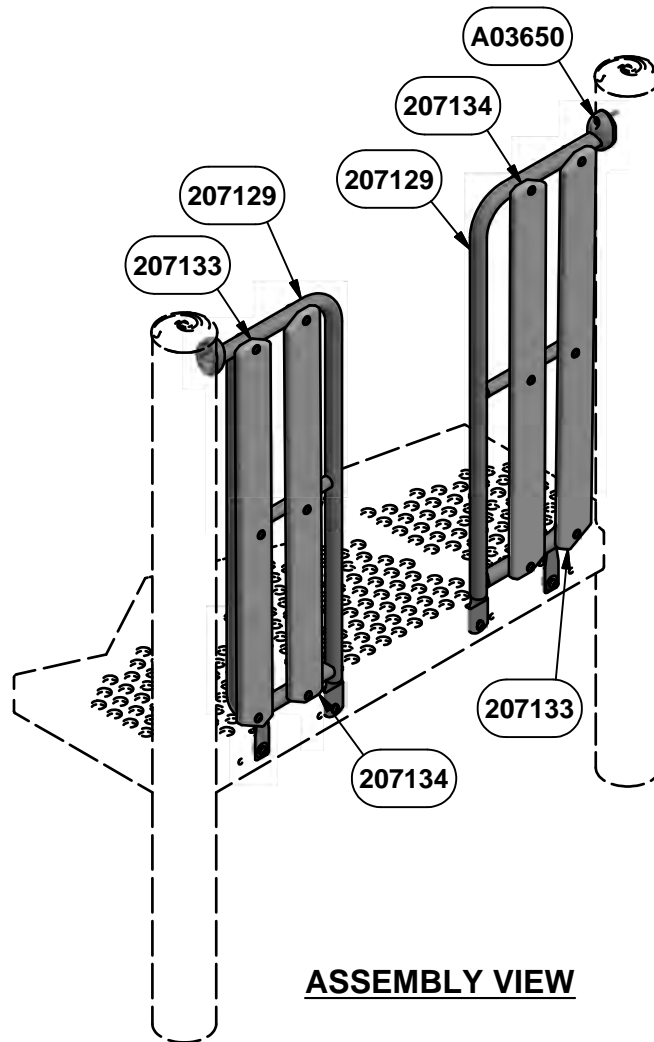
ISSUED/REVISED: 11/30/2020

91150 ENTRYWAY TIMBERS

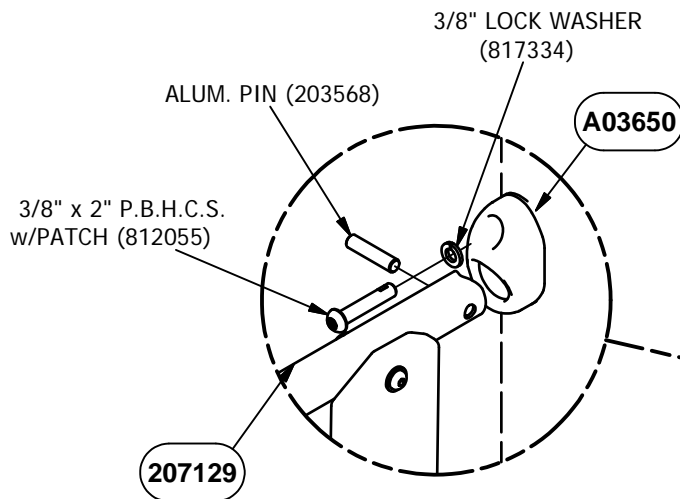
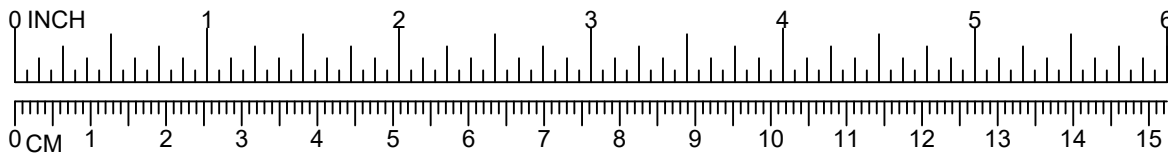


INSTALLATION INSTRUCTIONS

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



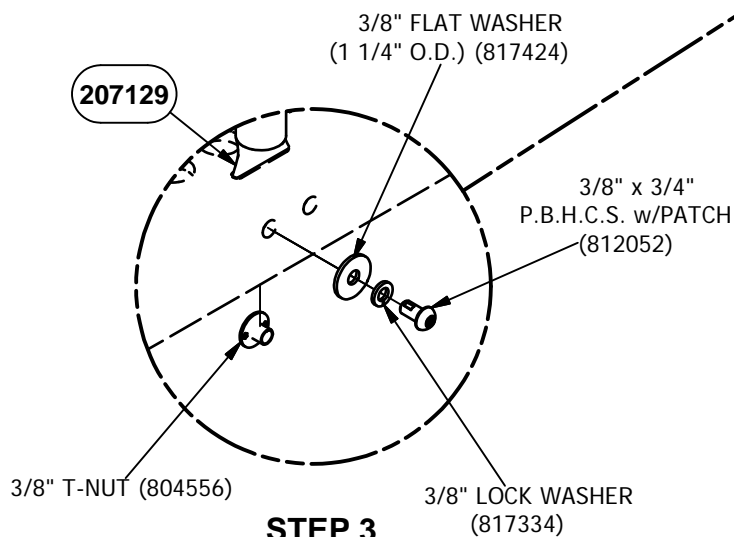
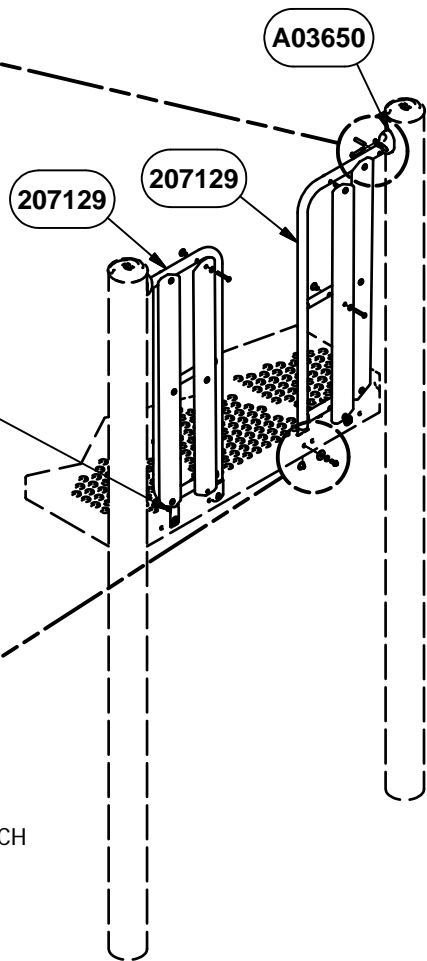
TOP VIEW



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

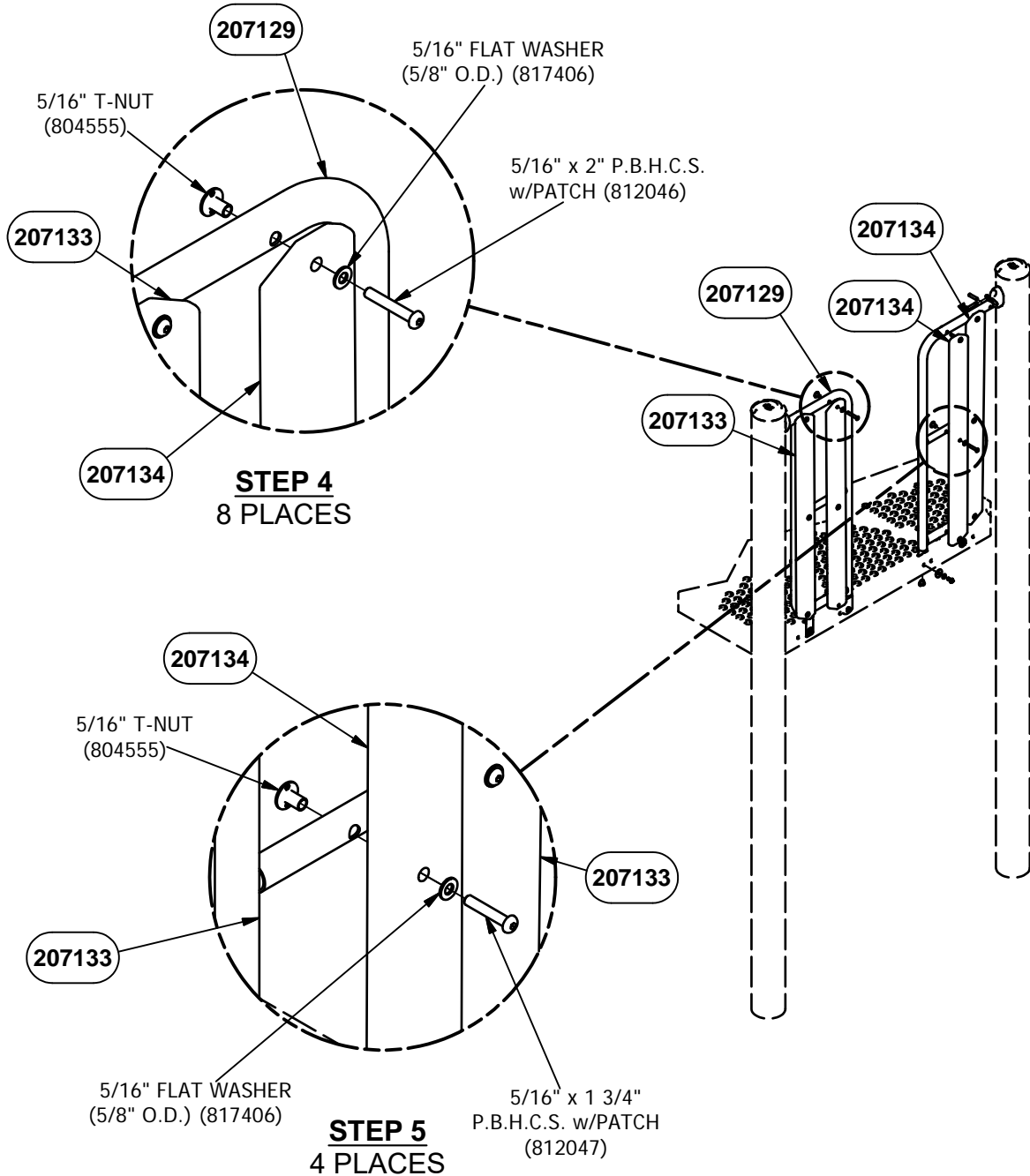
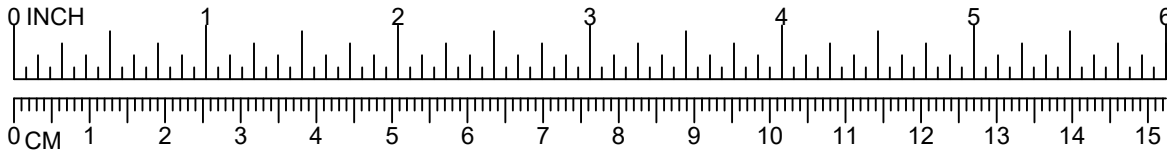
STEP 2
2 PLACES

STEP 1: INSERT TABS OF TIMBER ENTRYWAY WELD ASSEMBLY INTO SLOT OF DECK



STEP 3
4 PLACES

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



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

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
TIMBER ENTRYWAY WELD ASS'Y	2	207129
TIMBER PACKAGE	1	207457
TIMBER 1	2	207133**
TIMBER 2	2	207134**
TRU-LOC	2	A03650
HARDWARE COMPLETE	1	207136
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	4	812047*
5/16" x 2" P.B.H.C.S. w/PATCH	8	812046*
5/16" FLAT WASHER (5/8" O.D.)	12	817406*
5/16" T-NUT	12	804555*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" LOCK WASHER	6	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" T-NUT	4	804556*
ALUM. PIN	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

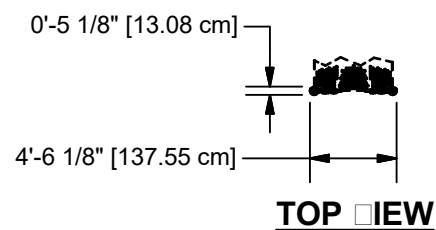
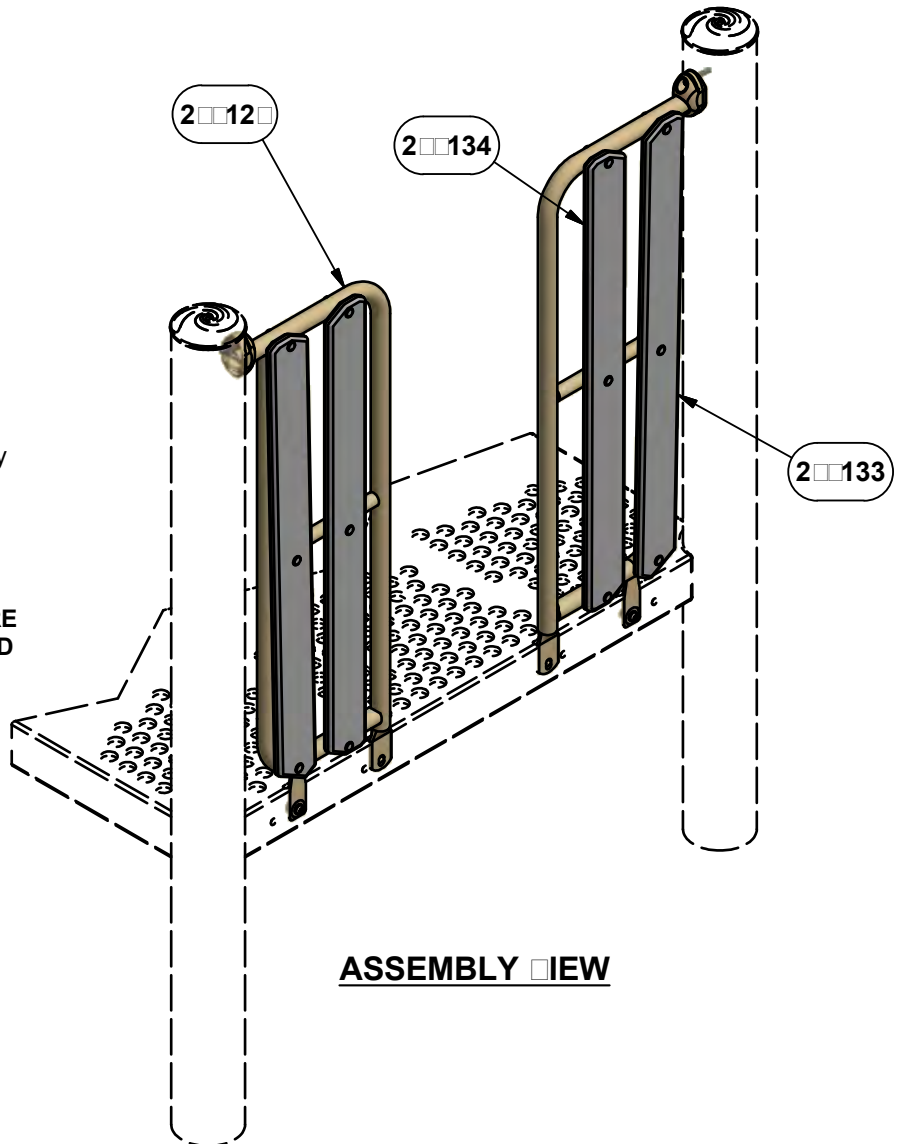
ISSUED/REVISED: 8/4/22

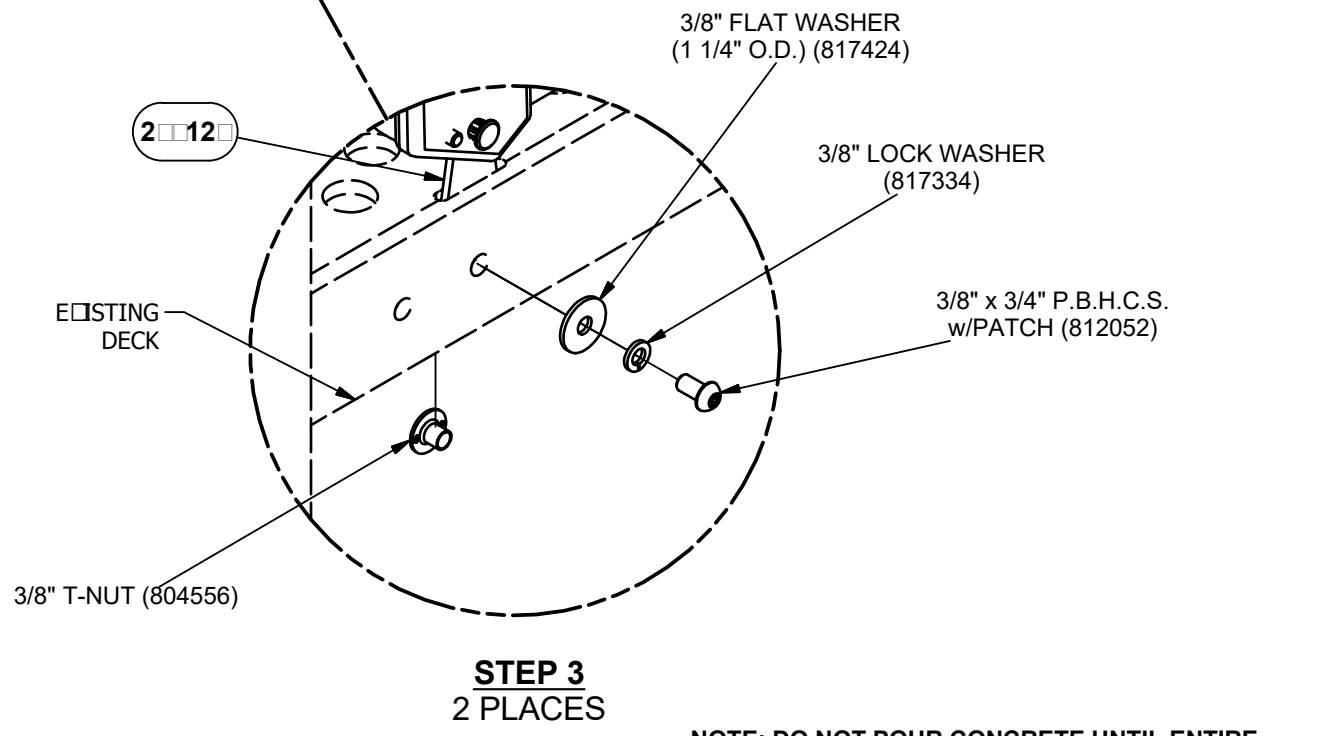
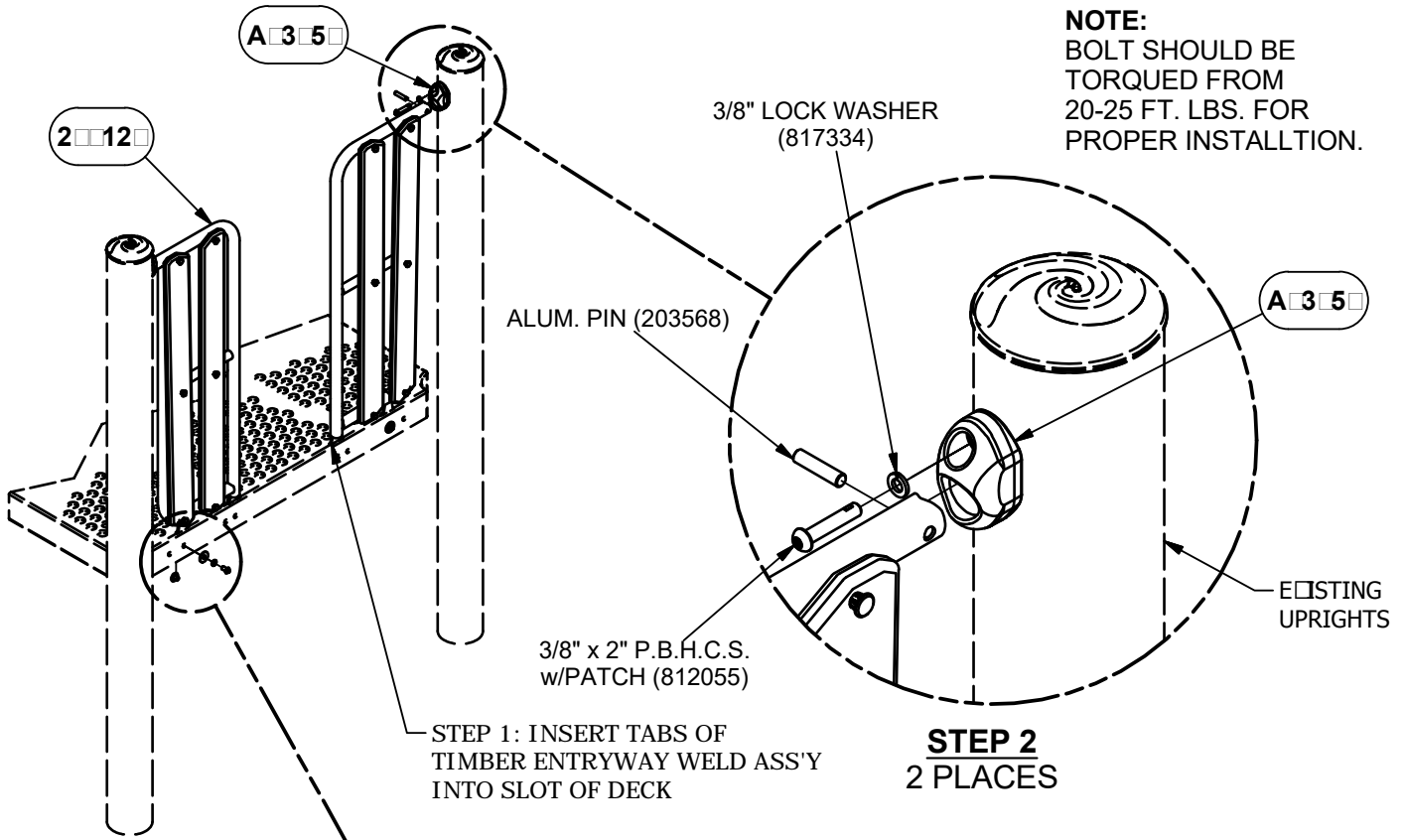
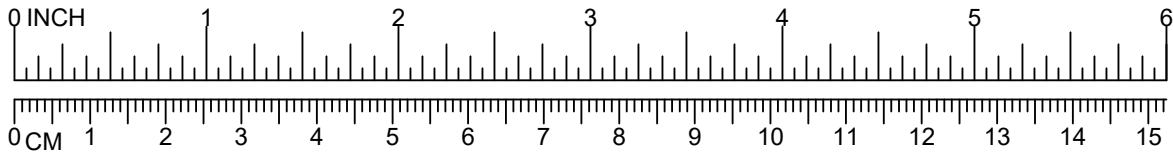
91151 CLIMBER ENTRYWAY TIMBERS



INSTALLATION INSTRUCTIONS

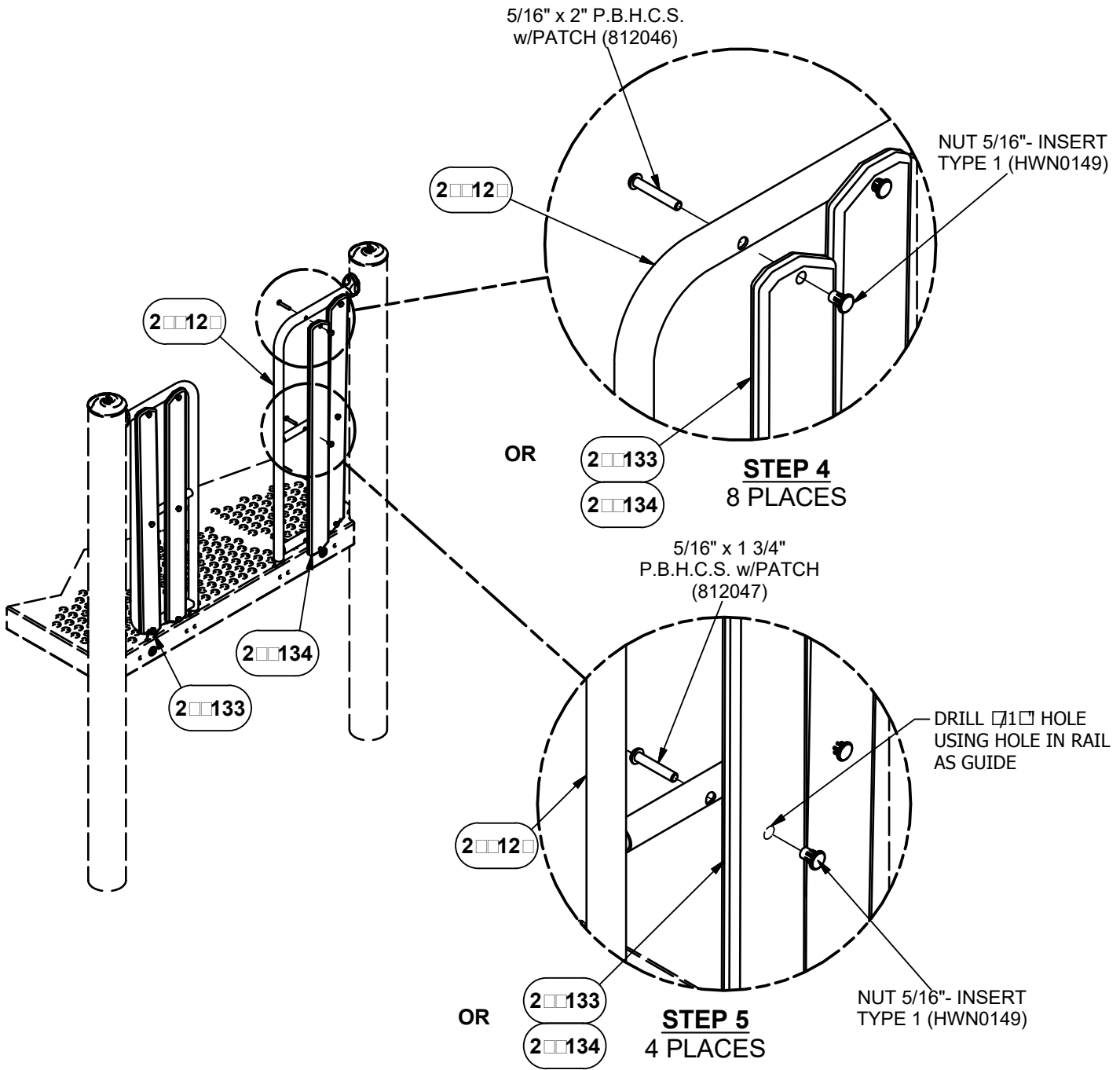
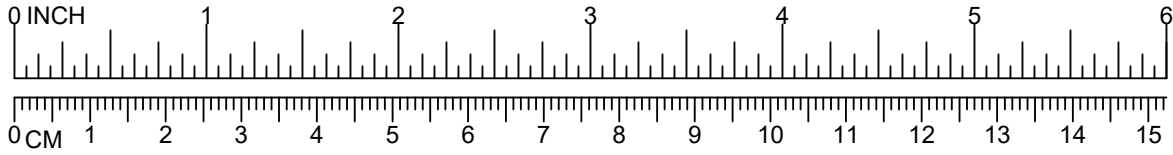
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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





NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.
PAGE 2

DETAIL VIEW



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

Parts List		
DESCRIPTION	QTY	PART NUMBER
TIMBER ENTRYWAY WELD ASS'Y	2	207129
TIMBER PACKAGE	1	207457
TIMBER 1	2	207133**
TIMBER 2	2	207134**
TRU-LOC	2	A03650
HARDWARE COMPLETE	1	222072
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" LOCK WASHER	4	817334*
3/8" T-NUT	2	804556*
5/16" x 2" P.B.H.C.S. w/PATCH	8	812046*
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	4	812047*
NUT 5/16"- INSERT TYPE 1	12	HWN0149*
ALUM. PIN	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

** Included in Timber Package

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

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

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

Timber Package includes: 207129, 207133, 207134, 207457, 203568, 222072, 812052, 812055, 817424, 817334, 804556, 812046, 812047, HWN0149, A03650, 203568. Hardware Complete includes: 222072, 812052, 812055, 817424, 817334, 804556, 812046, 812047, HWN0149, A03650, 203568.

MAINTENANCE PROCEDURE:

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



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ISSUED/REVISED: 8/4/22

TRANSFER SYSTEM TIMBERS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

1'-0" RISE	91200
2'-0" RISE	91201
2'-6" RISE	91202
3'-0" RISE	91203
4'-0" RISE	91204



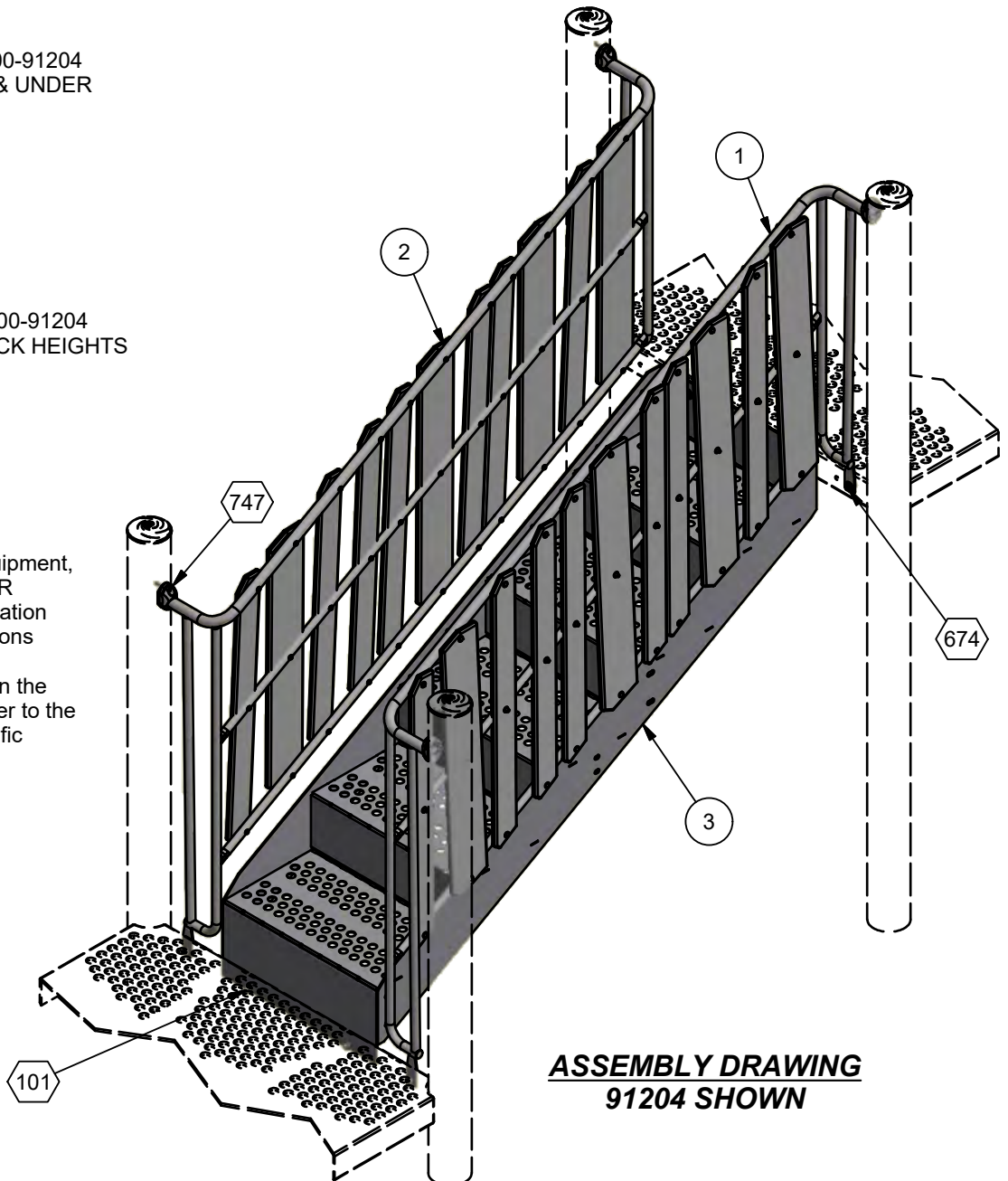
91200-91204
5'-0" & UNDER



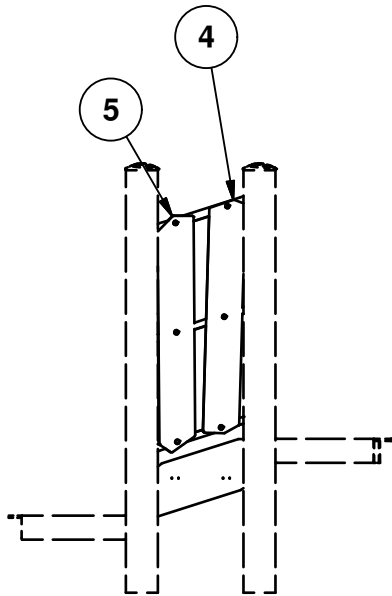
91200-91204
ALL DECK HEIGHTS

INSTALLATION INSTRUCTIONS

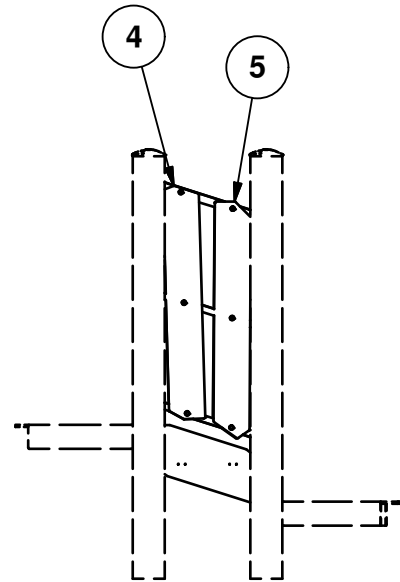
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING
91204 SHOWN



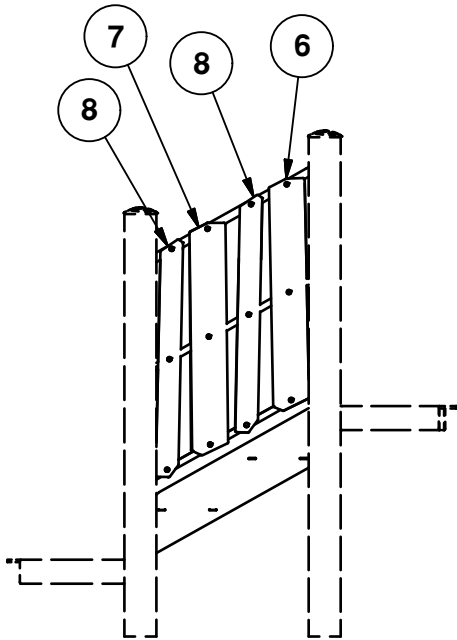
RIGHT



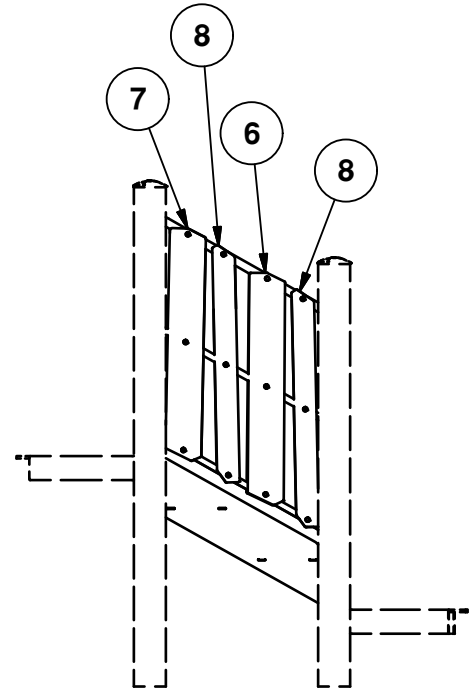
LEFT

TIMBER PACKAGE 2□□□□□		
RE□	DESCRIPTION	PART NUMBER
□	TIMBER □ □SAND□	2□□□□
5	TIMBER □ □TUDOR BROWN□	2□□□□

TIMBER LOCATION
91200 SHOWN



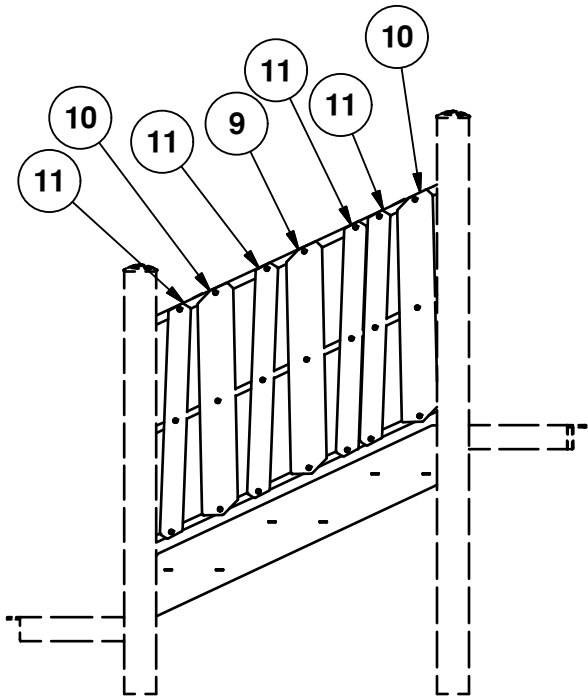
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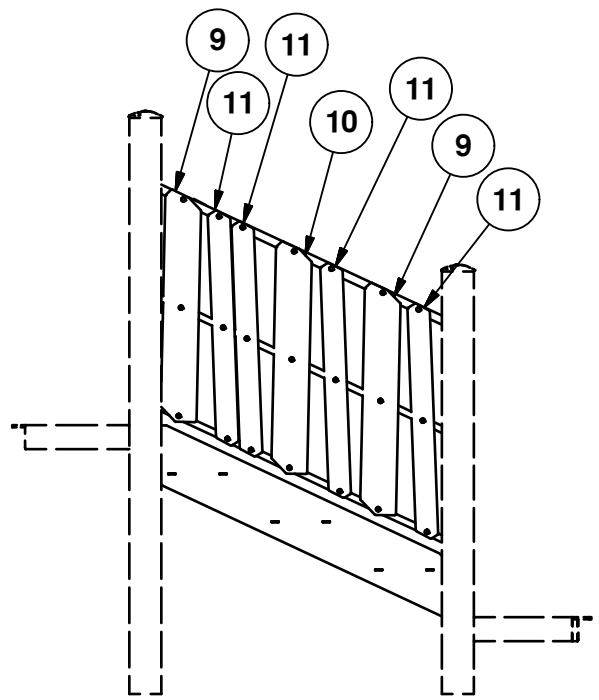
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TIMBER PACKAGE 2□□□□□		
RE□	DESCRIPTION	PART NUMBER
□	TIMBER □□SAND□	2□□□□
□	TIMBER □□TUDOR BROWN□	2□□□□
□	TIMBER □ □GRA□□	2□□□□

TIMBER LOCATION
91201 SHOWN



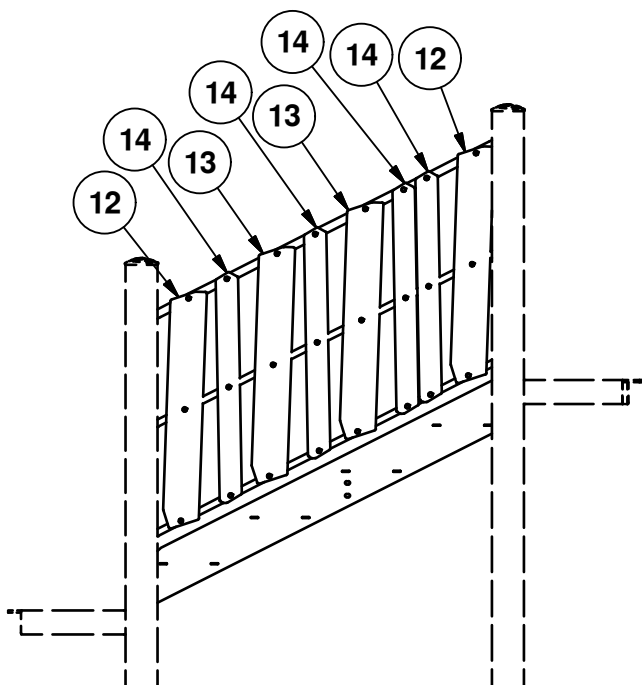
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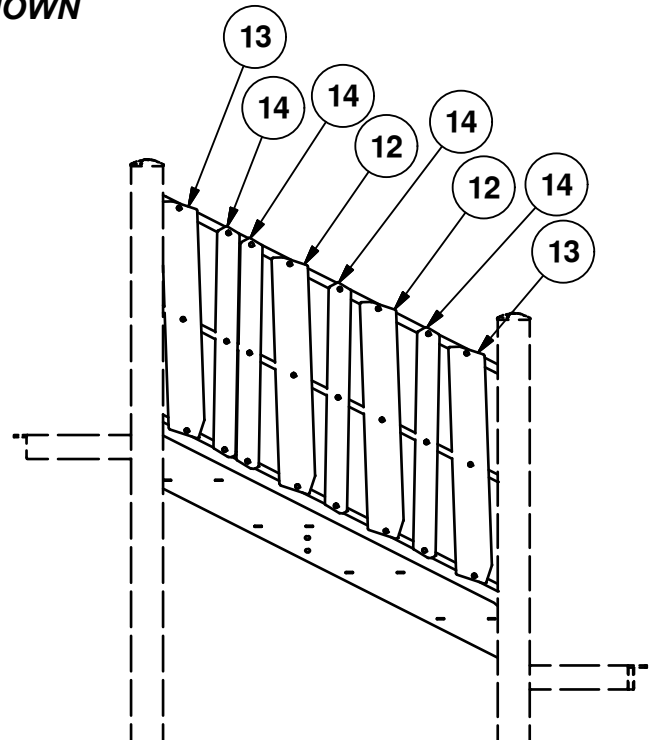
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TIMBER PACKAGE 2005		
RE	DESCRIPTION	PART NUMBER
	TIMBER SAND	2000
1	TIMBER TUDOR BROWN	2000
11	TIMBER GRAB	2005

TIMBER LOCATION
91202 SHOWN



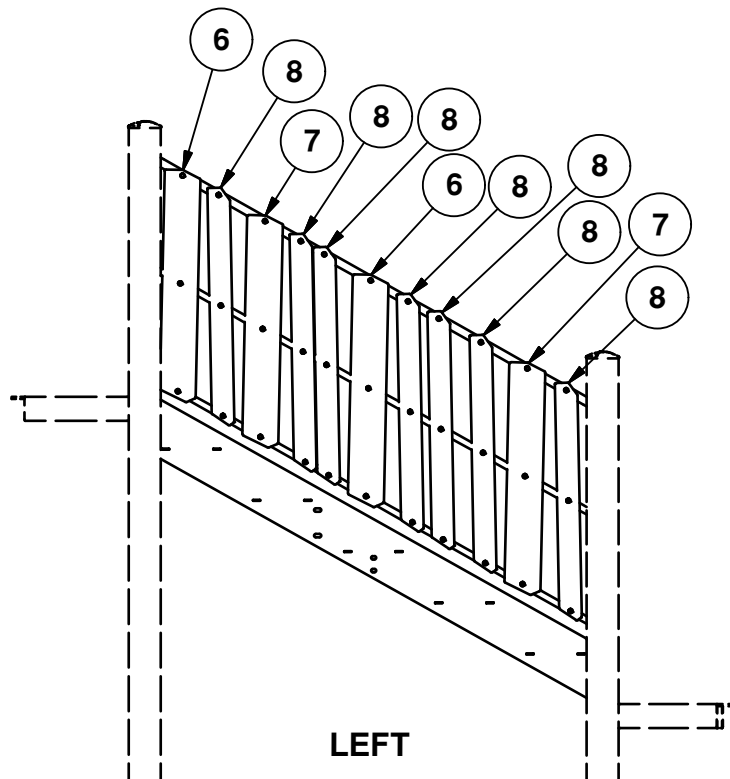
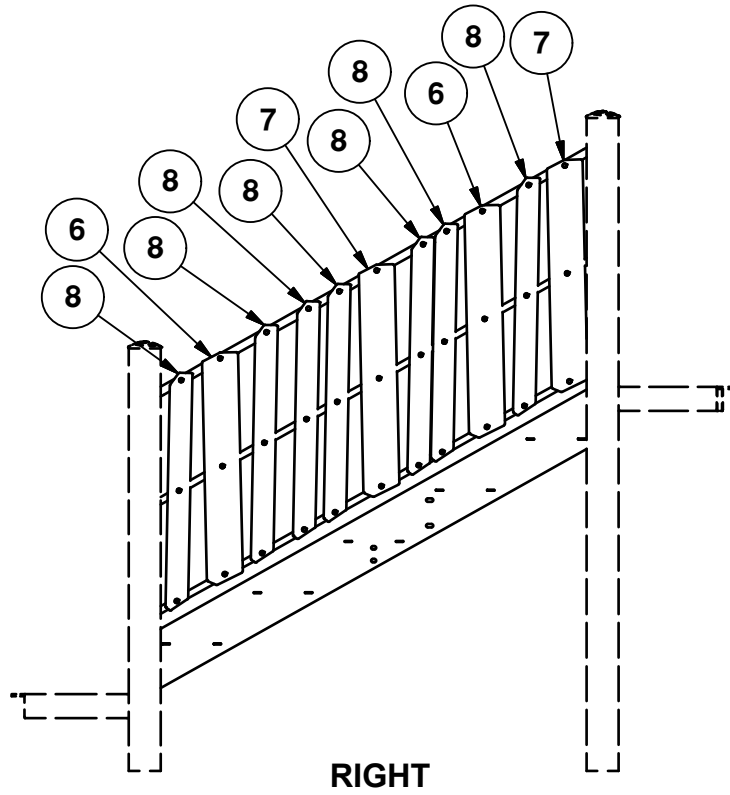
RIGHT



LEFT

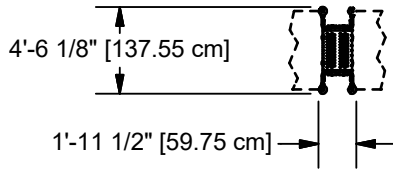
TIMBER PACKAGE 20051		
RE	DESCRIPTION	PART NUMBER
12	TIMBER SAND	2000
1	TIMBER TUDOR BROWN	2005
1	TIMBER GRAB	2000

TIMBER LOCATION
91203 SHOWN

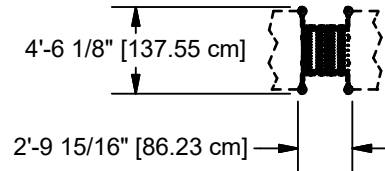


TIMBER PACKAGE 20052		
RE	DESCRIPTION	PART NUMBER
□	TIMBER SAND	2022
□	TIMBER TUDOR BROWN	2020
□	TIMBER GRA	2020

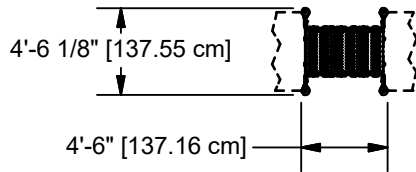
TIMBER LOCATION
91204 SHOWN



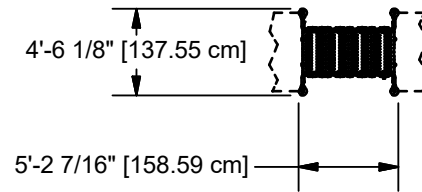
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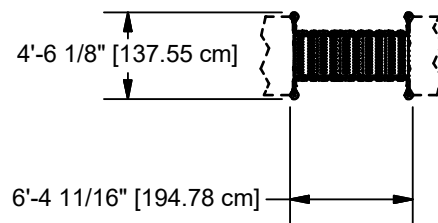
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12

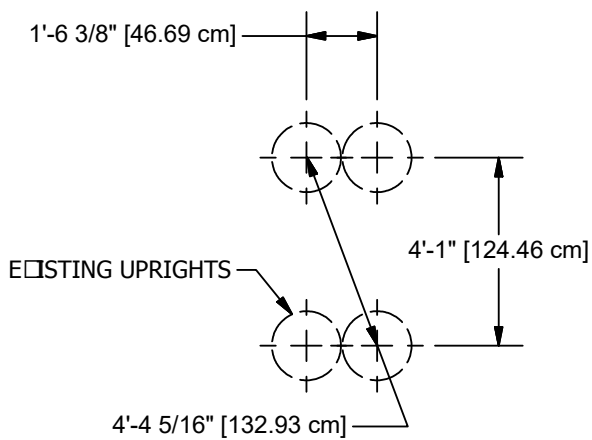


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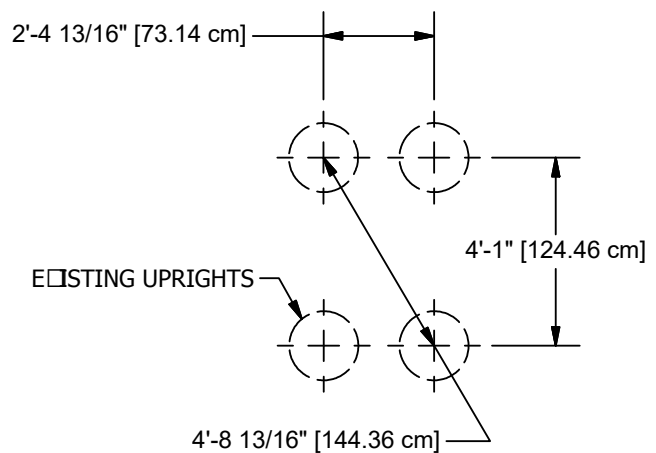


12

TOP VIEWS

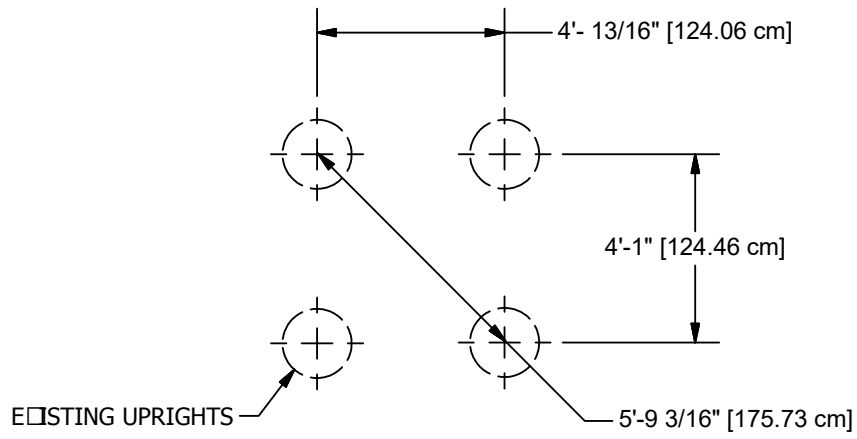


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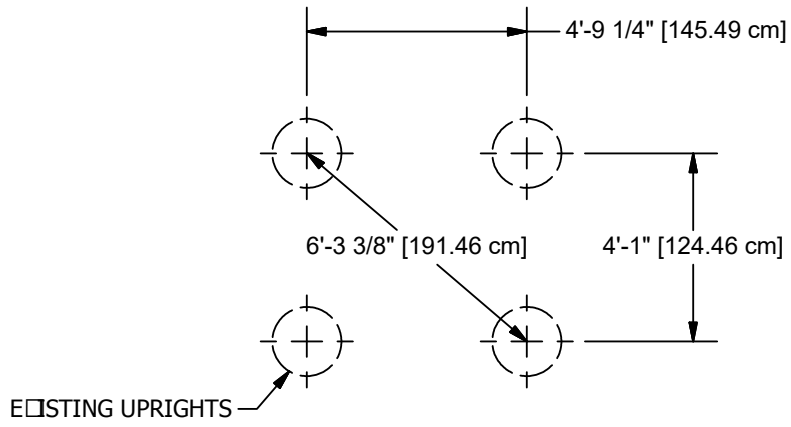


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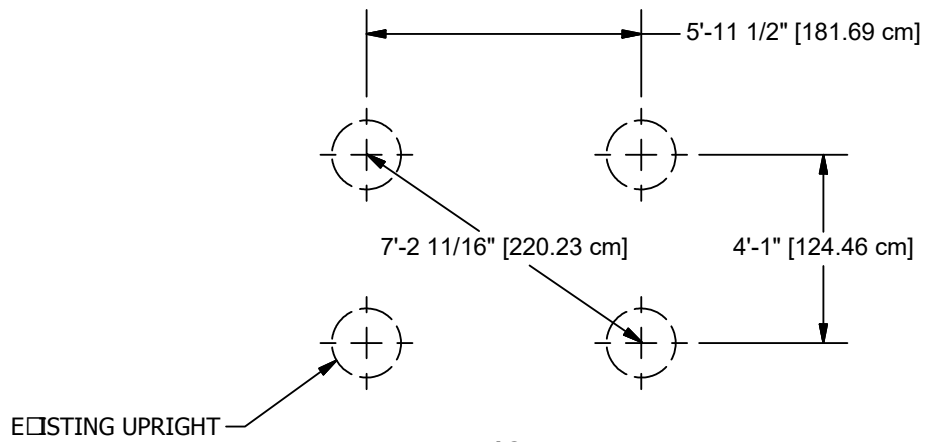
GROUND PLANS



1202



1203



1204

GROUND PLANS

Parts List							
REF.	DESCRIPTION	91200	91201	91202	91203	91204	PART NUMBER
1	RIGHT BARRIER WELD ASSEMBLY	1	0	0	0	0	207270
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	1	0	0	0	207280
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	1	0	0	207291
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	0	1	0	207302
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	0	0	1	207313
2	LEFT BARRIER WELD ASSEMBLY	1	0	0	0	0	207265
2	LEFT TIMBER BARRIER WELD ASS'Y	0	1	0	0	0	207275
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	1	0	0	207286
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	0	1	0	207297
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	0	0	1	207308
3	1'-0" COATED STEPLINK	1	0	0	0	0	161235
3	2'-0" COATED ASSEMBLY	0	1	0	0	0	160670
3	2'-6" COATED ASSEMBLY	0	0	1	0	0	167494
3	3'-0" COATED ASSEMBLY	0	0	0	1	0	161371
3	4'-0" COATED ASSEMBLY	0	0	0	0	1	160667
	TIMBER PACKAGE	1	0	0	0	0	207448
4	TIMBER 31	2	0	0	0	0	207272**
5	TIMBER 32	2	0	0	0	0	207273**
	TIMBER PACKAGE	0	1	0	0	0	207449
6	TIMBER 33	0	2	0	0	0	207282**
7	TIMBER 34	0	2	0	0	0	207283**
8	TIMBER 35	0	4	0	0	0	207284**
	TIMBER PACKAGE	0	0	1	0	0	207450
9	TIMBER 36	0	0	3	0	0	207293**
10	TIMBER 37	0	0	3	0	0	207294**
11	TIMBER 38	0	0	8	0	0	207295**
	TIMBER PACKAGE	0	0	0	1	0	207451
12	TIMBER 39	0	0	0	4	0	207304**
13	TIMBER 40	0	0	0	4	0	207305**
14	TIMBER 41	0	0	0	8	0	207306**
	TIMBER PACKAGE	0	0	0	0	1	207452
6	TIMBER 33	0	0	0	0	4	207282**
7	TIMBER 34	0	0	0	0	4	207283**
8	TIMBER 35	0	0	0	0	14	207284**
	TRU-LOC	4	4	4	4	4	A03650

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

** Included in i er ac a e

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.

CONTINUED ON NEXT PAGE

PAGE 7

Parts List							
REF.	DESCRIPTION	91200	91201	91202	91203	91204	PART NUMBER
	HARDWARE COMPLETE	1	0	0	0	0	222096
	HARDWARE COMPLETE	0	1	0	0	0	222097
	HARDWARE COMPLETE	0	0	1	0	0	222098
	HARDWARE COMPLETE	0	0	0	1	0	222099
	HARDWARE COMPLETE	0	0	0	0	1	222100
	3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	8	8	8	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	4	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	8	8	8	8	817424*
	3/8" LOCK WASHER	12	12	12	12	12	817334*
	3/8" T-NUT	8	8	8	8	8	804556*
	ALUM. PIN	4	4	4	4	4	203568*
	NUT 5/16"- INSERT TYPE 1	12	24	42	48	66	HWN0149*
	5/16" x 1 3/4" P.B.H.C.S. w/PATCH	8	16	28	32	44	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	4	8	14	16	22	812046*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in er ac a e*

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

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

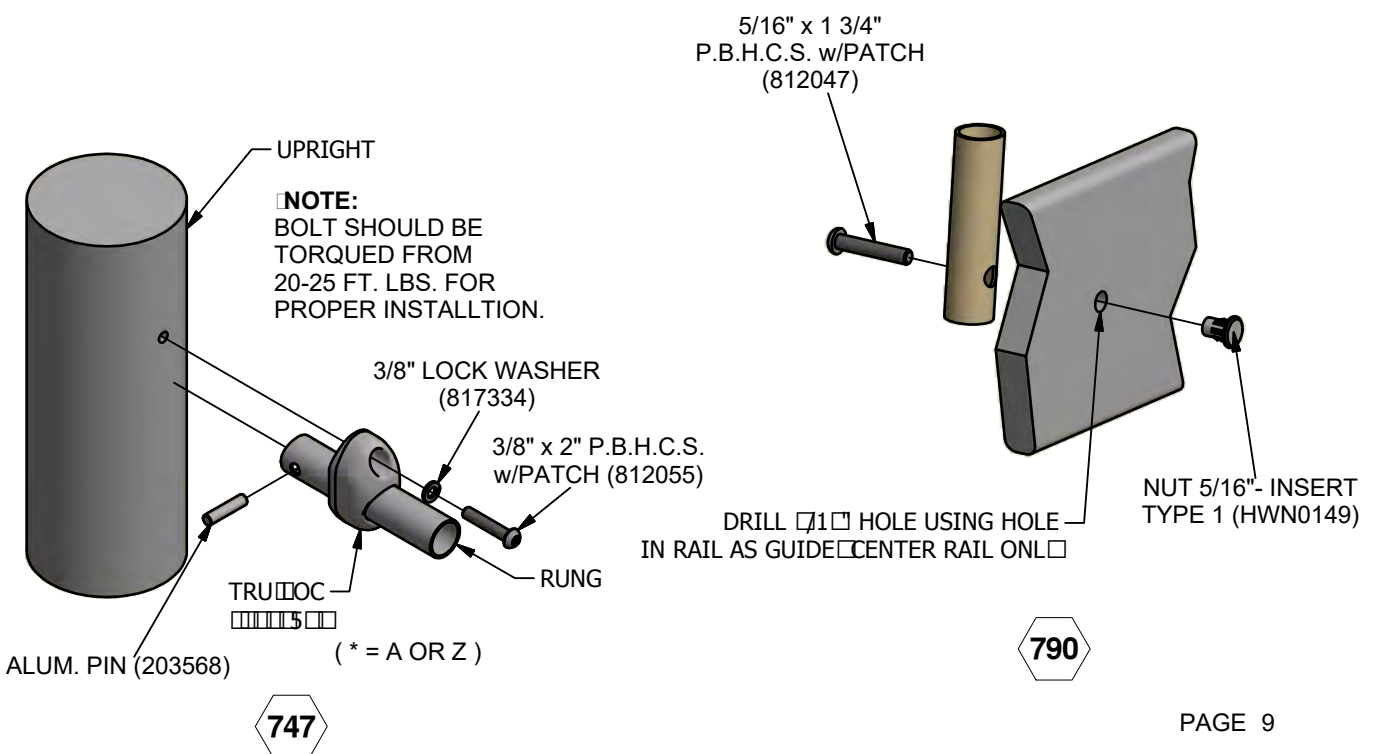
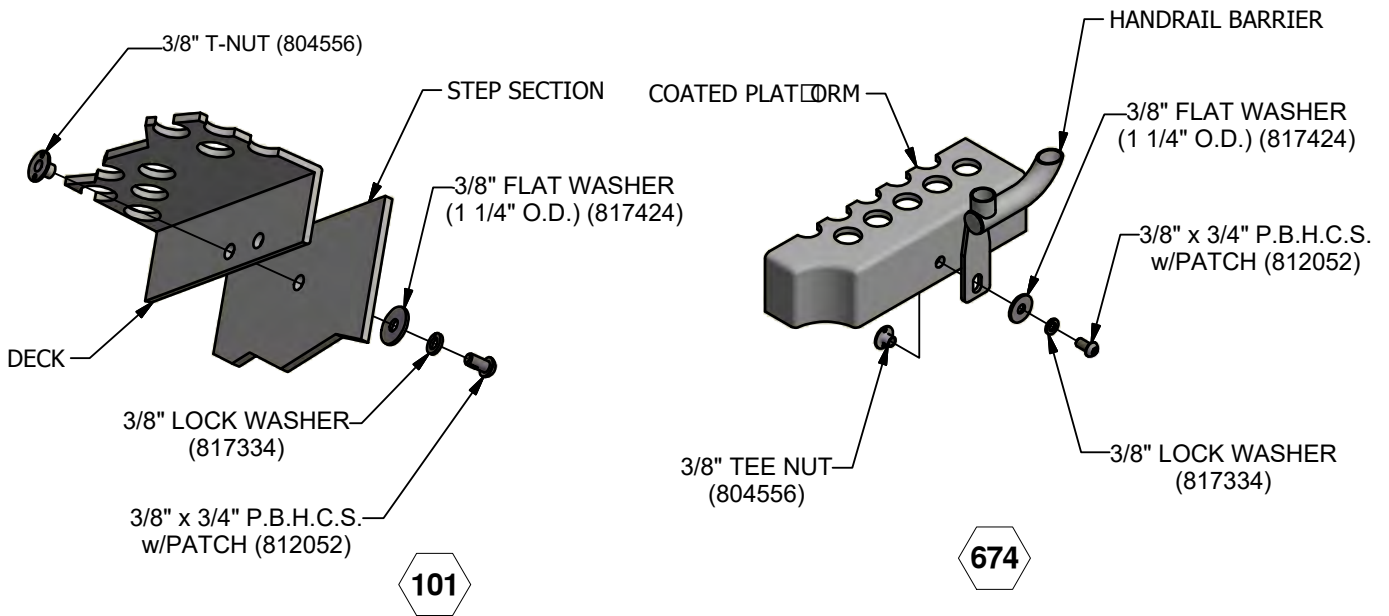
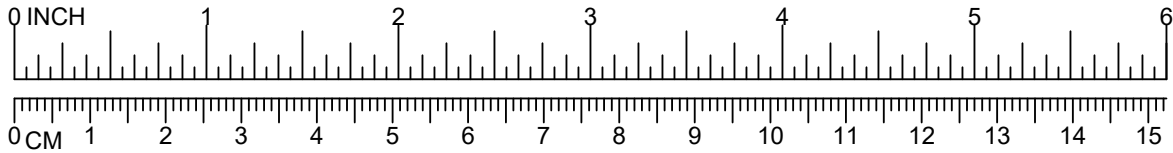
DETAILS -for- 91200, 91201, 91202, 91203 AND 91204

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.



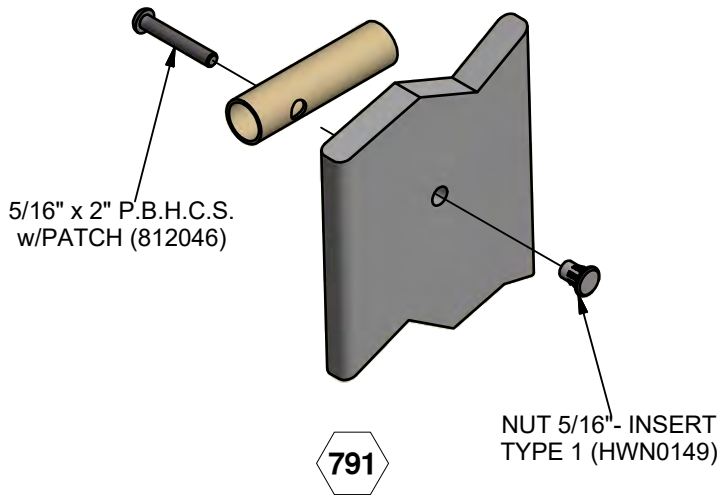
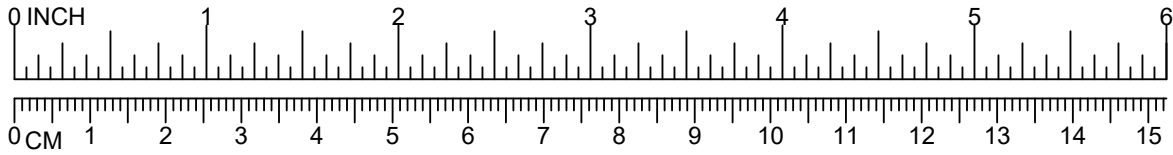
DETAILS -for- 91200, 91201, 91202, 91203 AND 91204



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.

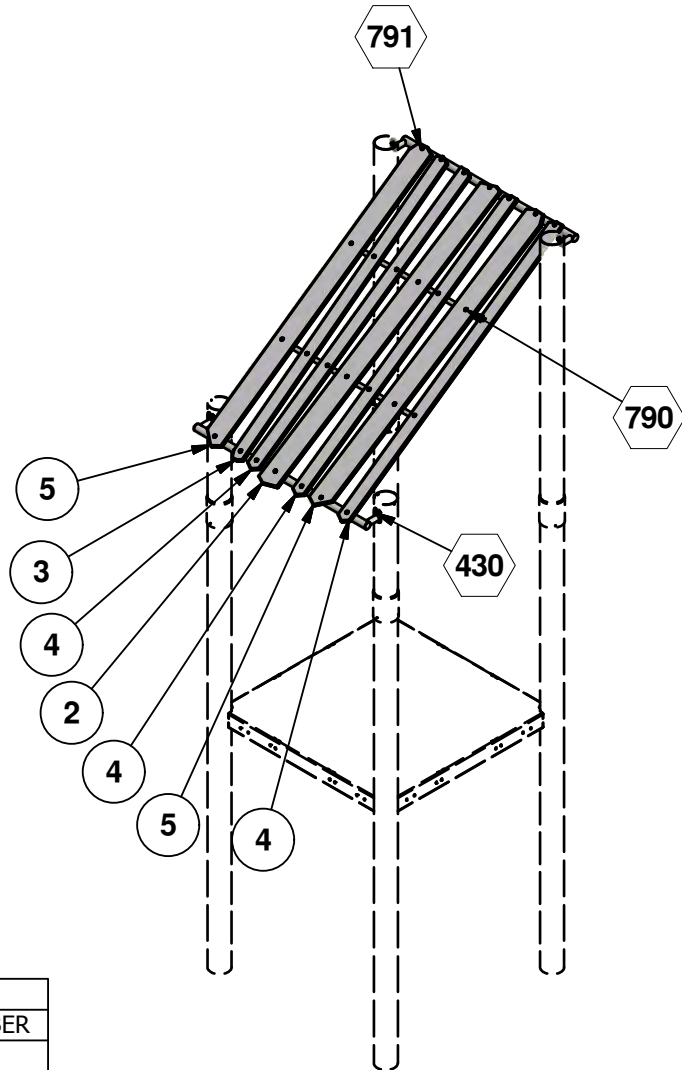


-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



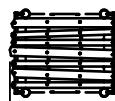
INSTALLATION INSTRUCTIONS

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



ASSEMBLY DRAWING

TIMBER PACKAGE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
RE <input type="checkbox"/>	DESCRIPTION	PART NUMBER
2 <input type="checkbox"/>	TIMBER 2 <input type="checkbox"/> SAND <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 21 <input type="checkbox"/> GRAY <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 22 <input type="checkbox"/> GRAY <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5 <input type="checkbox"/>	TIMBER 2 <input type="checkbox"/> TUDOR BROWN <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



5'-5 13/16" [167.10 cm]

TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SLANT ROOF TIMBERS WELD ASS'Y	1	207236
	TIMBER PACKAGE	1	207500
2	TIMBER 20	1	207241**
3	TIMBER 21	1	207242**
4	TIMBER 22	3	207243**
5	TIMBER 23	2	207244**
	HARDWARE COMPLETE	1	207393
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" LOCK WASHER	4	817334*
	3/8" FLAT WASHER	4	817410*
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	10	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	18	812046*
	5/16" FLAT WASHER (5/8" O.D.)	28	817406*
	5/16" T-NUT	28	804555*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in er ac a e*

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.

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

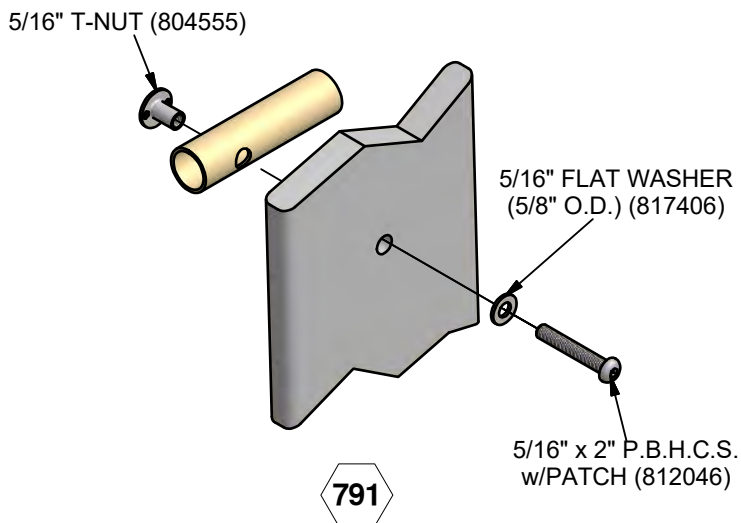
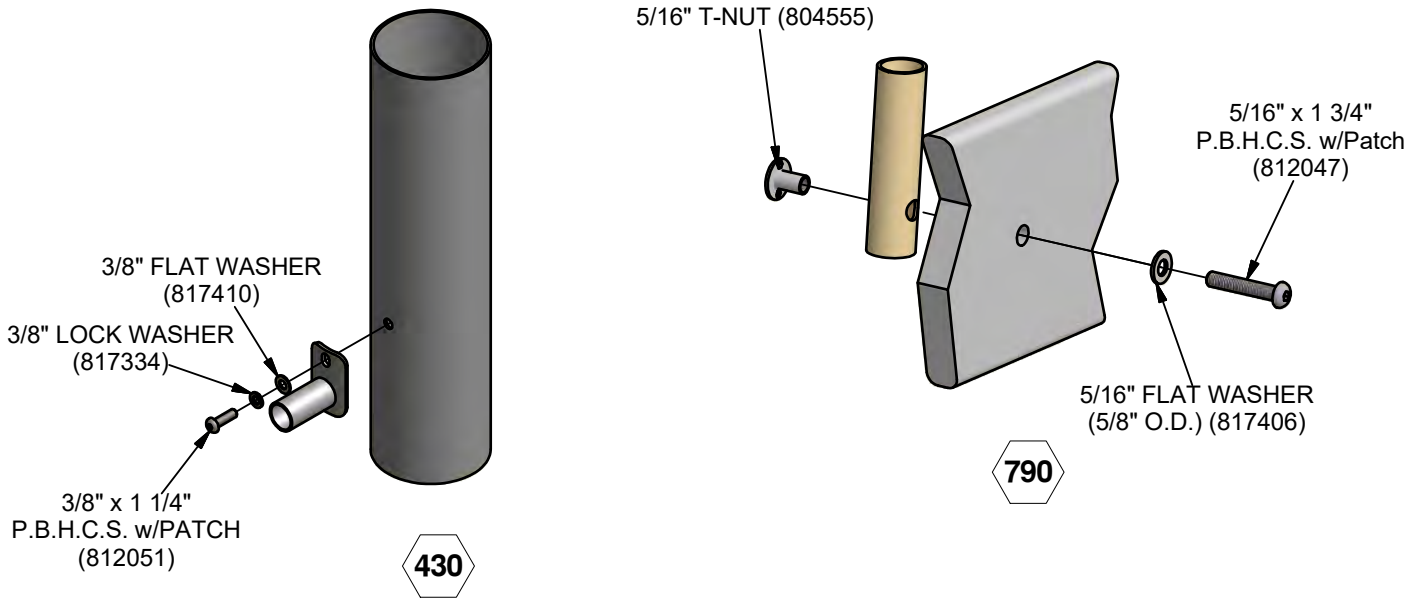
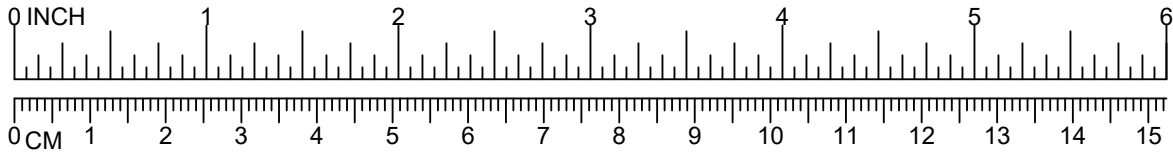
DETAILS -for- 91215

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.



SLANT HEX ROOF TIMBERS EXTENSION

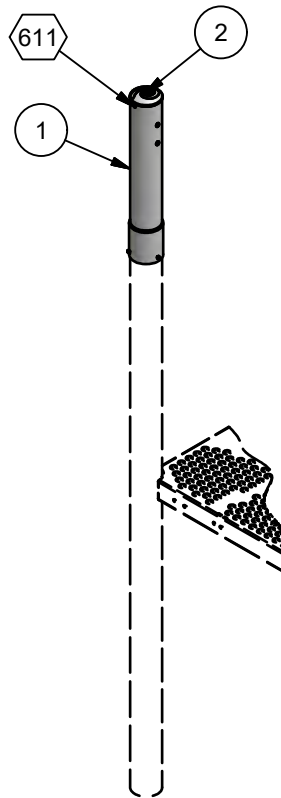
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

SLANT HEX ROOF TIMBERS EXTENSION 24"	91216
SLANT HEX ROOF TIMBERS EXTENSION 36"	91224
SLANT HEX ROOF TIMBERS EXTENSION 60"	91217
SLANT HEX ROOF TIMBERS EXTENSION 72"	91218
SLANT ROOF TIMBERS EXTENSION 24"	91220
SLANT ROOF TIMBERS EXTENSION 66"	91221

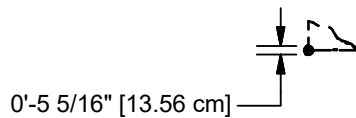


INSTALLATION INSTRUCTIONS

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



ASSEMBLY DRAWING



TOP VIEW

Parts List								
REF.	DESCRIPTION	91216	91224	91217	91218	91220	91221	PART NUMBER
1	SLANT HEX ROOF TIMBERS EXTENSION ASS'Y 24"	1	0	0	0	0	0	207204
1	SLANT HEX ROOF TIMBERS EXTENSION ASS'Y 36"	0	1	0	0	0	0	207558
1	SLANT HEX ROOF TIMBERS EXTENSION ASS'Y 60"	0	0	1	0	0	0	207206
1	SLANT HEX ROOF TIMBERS EXTENSION ASS'Y 72"	0	0	0	1	0	0	207208
1	SLANT ROOF TIMBERS EXTENSION 24"	0	0	0	0	1	0	207210
1	SLANT ROOF TIMBERS EXTENSION 66"	0	0	0	0	0	1	207212
2	SWIRL CAP	1	1	1	1	1	1	203801
	HARDWARE COMPLETE	1	1	1	1	1	1	204517
	#12 x 3/4" SS SELF DRILLING SCREW	3	3	3	3	3	3	810072*
	3/16" x 13/32" DRIVE RIVET	2	2	2	2	2	2	805366*

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

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

**Note: 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.**

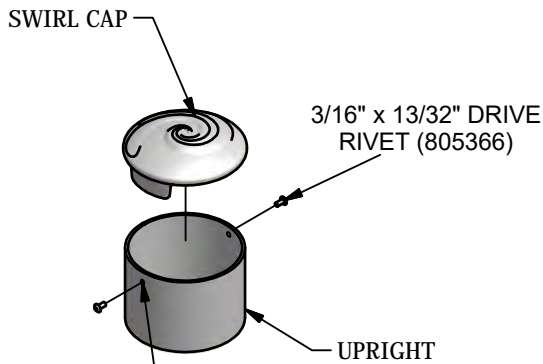
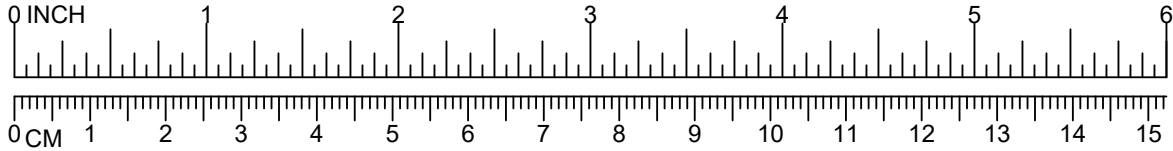
DETAILS -for- 91216, 91217, 91218, 91220 & 91221

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.

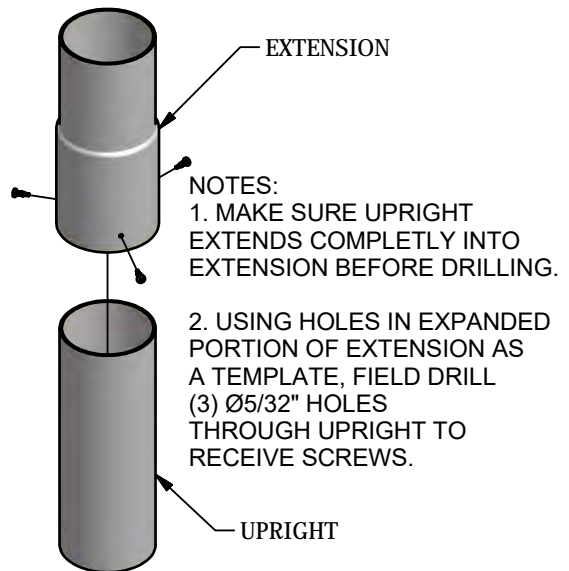
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



USING EXISTING HOLES IN PIPE AS TEMPLATE, DRILL $\approx 3/16$ " HOLES IN CAP AND INSTALL USING DRIVE RIVETS.

611



NOTES:
1. MAKE SURE UPRIGHT EXTENDS COMPLETELY INTO EXTENSION BEFORE DRILLING.
2. USING HOLES IN EXPANDED PORTION OF EXTENSION AS A TEMPLATE, FIELD DRILL (3) $\varnothing 5/32$ " HOLES THROUGH UPRIGHT TO RECEIVE SCREWS.

825

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1-800-235-2440

ISSUED/REVISED: 11/2/2020

91223 PLANK CLIMBER



91223 3'-0"
91181 4'-0"

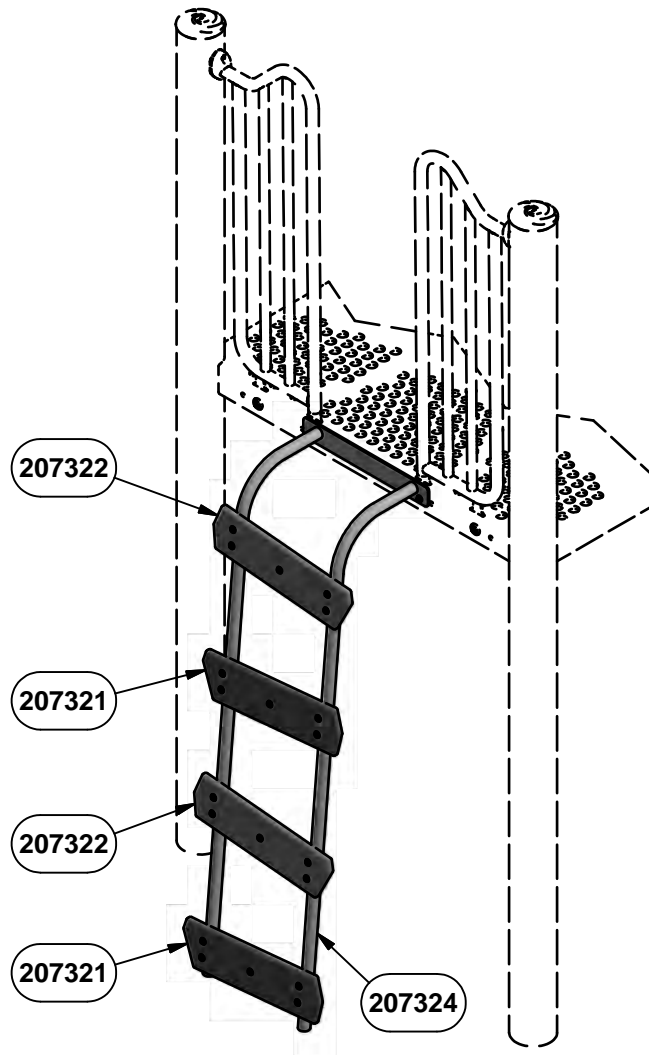
3'-0"	91223
4'-0"	91181
5'-0"	91182
6'-0"	91183
7'-0"	91184
8'-0"	91185



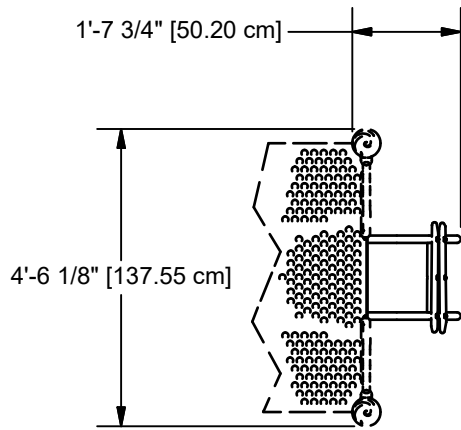
ALL DECK HEIGHTS

INSTALLATION INSTRUCTIONS

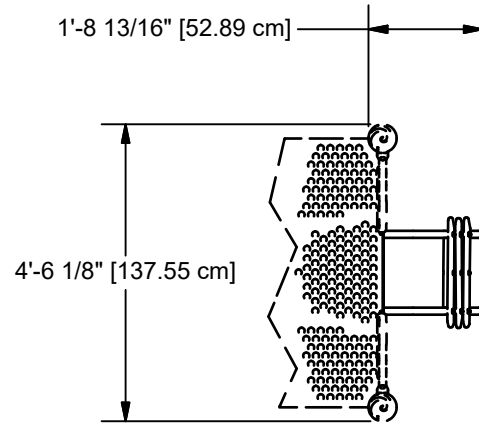
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



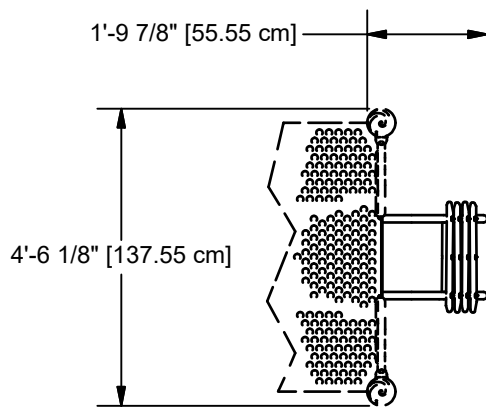
ASSEMBLY VIEW
91182 SHOWN



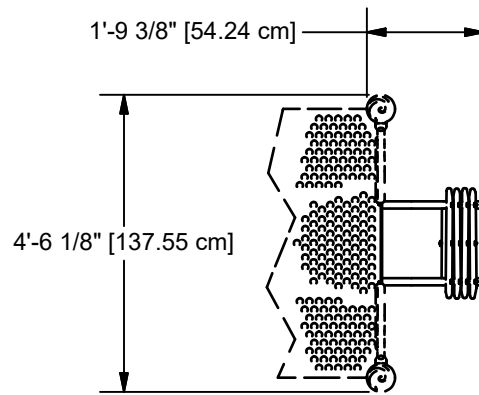
3'-0" DECK



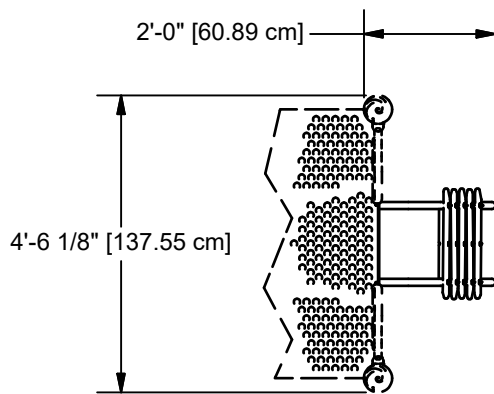
4'-0" DECK



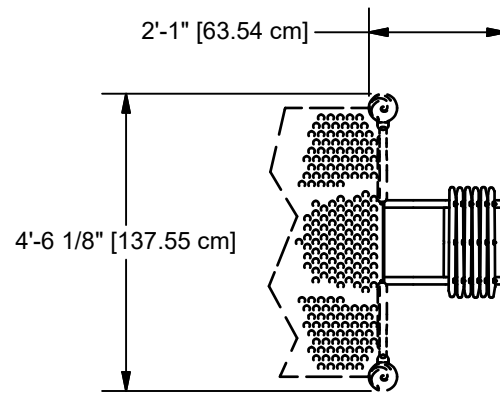
5'-0" DECK



6'-0" DECK



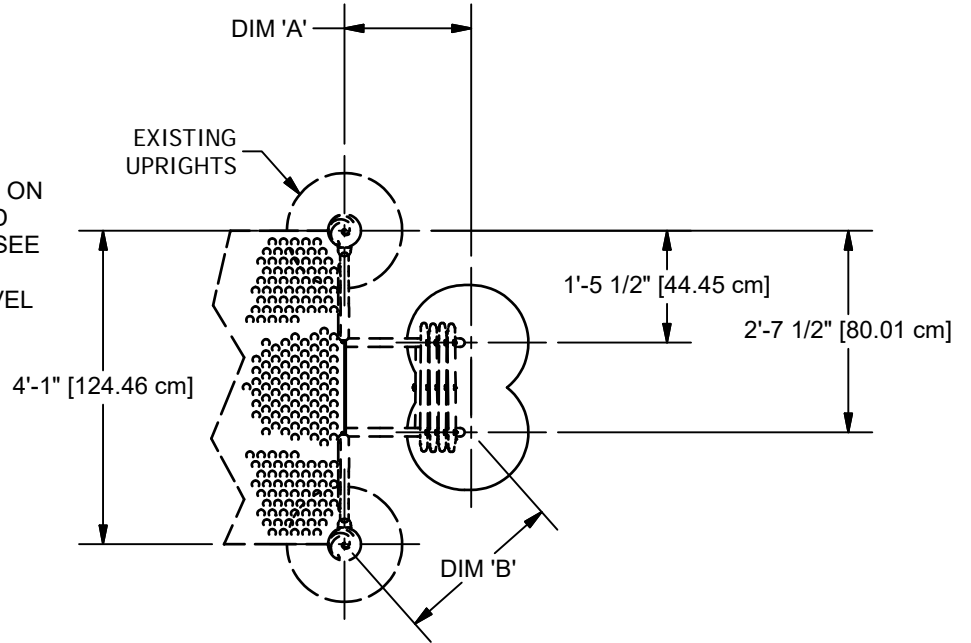
7'-0" DECK



8'-0" DECK

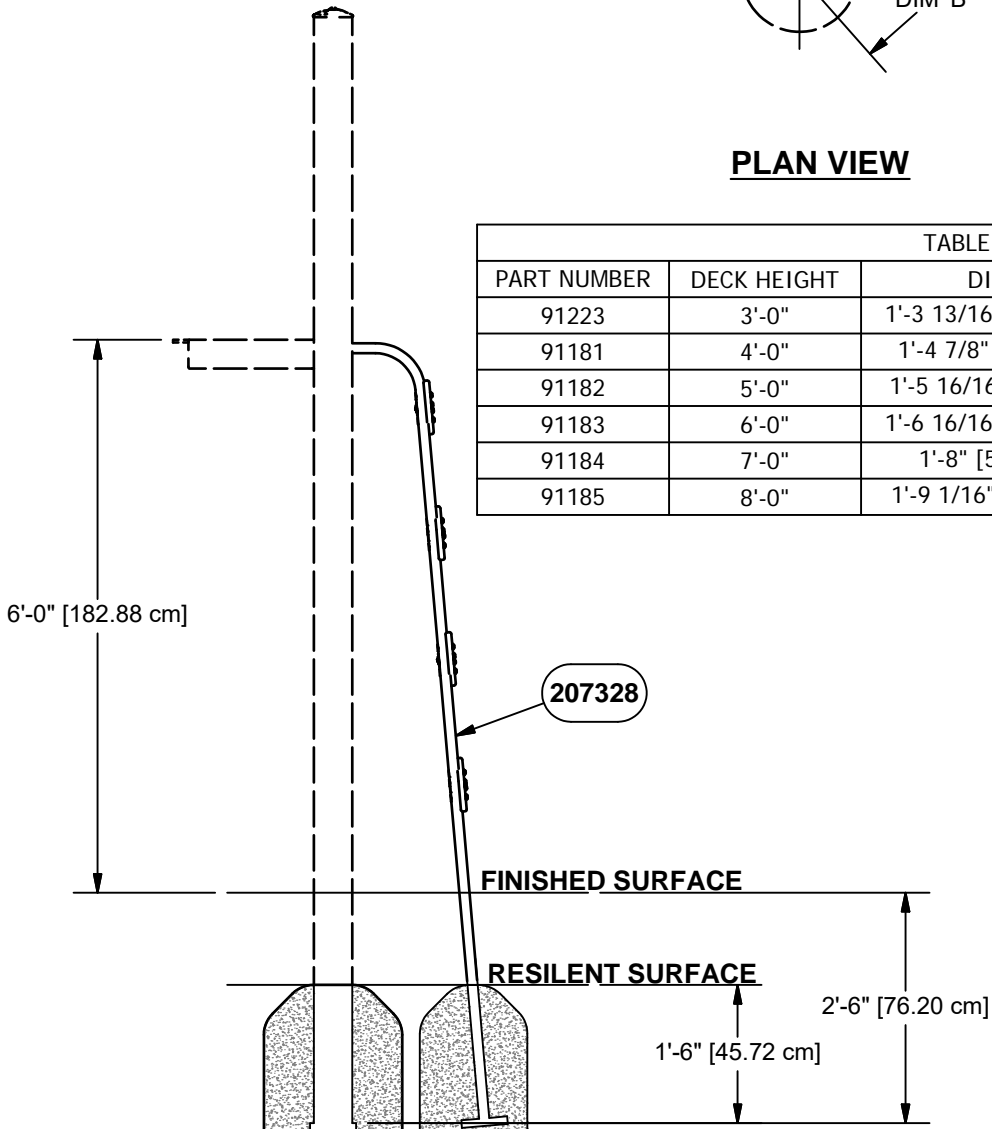
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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



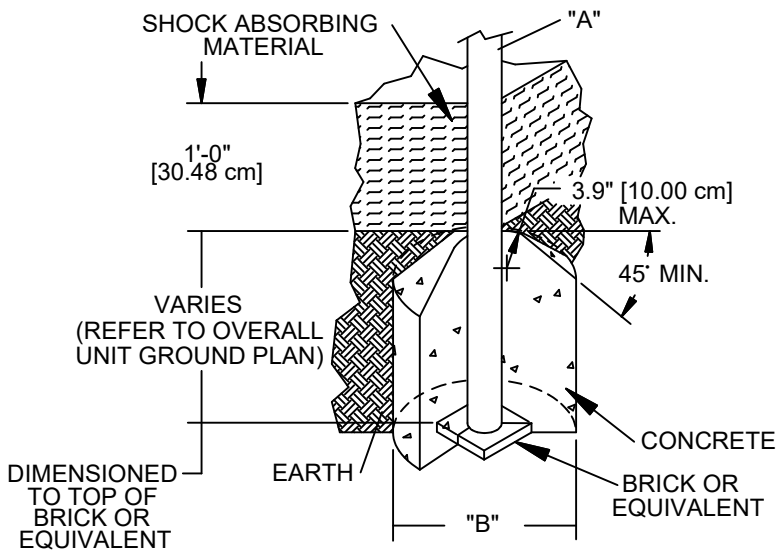
PLAN VIEW

TABLE			
PART NUMBER	DECK HEIGHT	DIM 'A'	DIM 'B'
91223	3'-0"	1'-3 13/16" [40.15 cm]	1'-10 3/4" [57.72 cm]
91181	4'-0"	1'-4 7/8" [42.82 cm]	1'-11 1/2" [59.67 cm]
91182	5'-0"	1'-5 16/16" [45.48 cm]	2'- 1/8" [61.28 cm]
91183	6'-0"	1'-6 16/16" [48.15 cm]	2'- 15/16" [63.37 cm]
91184	7'-0"	1'-8" [50.82 cm]	2'-1 11/16" [65.29 cm]
91185	8'-0"	1'-9 1/16" [53.48 cm]	2'-2 7/16" [67.17 cm]



ELEVATION VIEW

91183 6'-0" SHOWN
 OTHERS SIMILAR



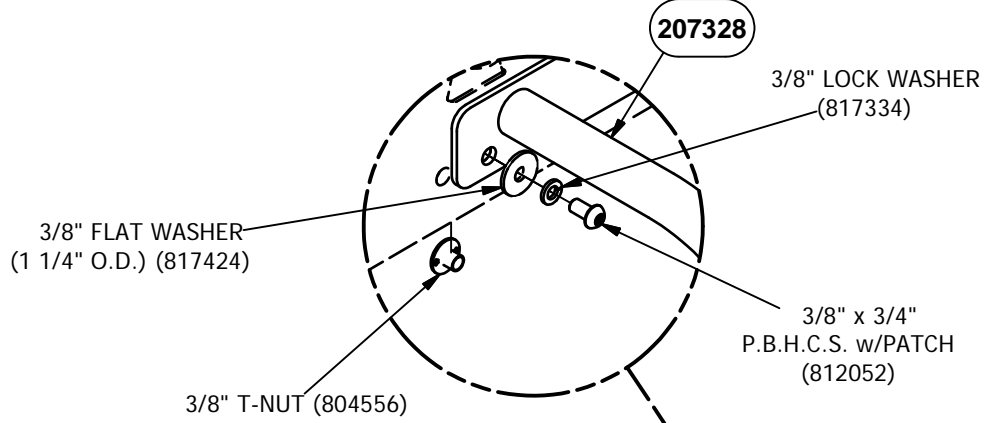
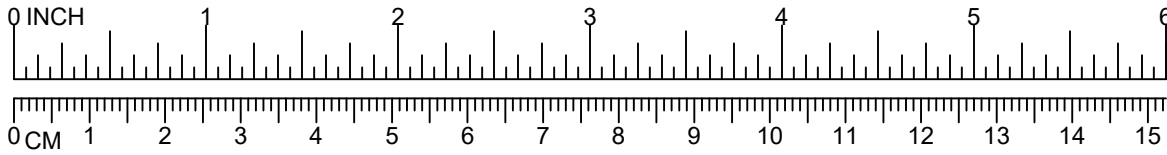
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

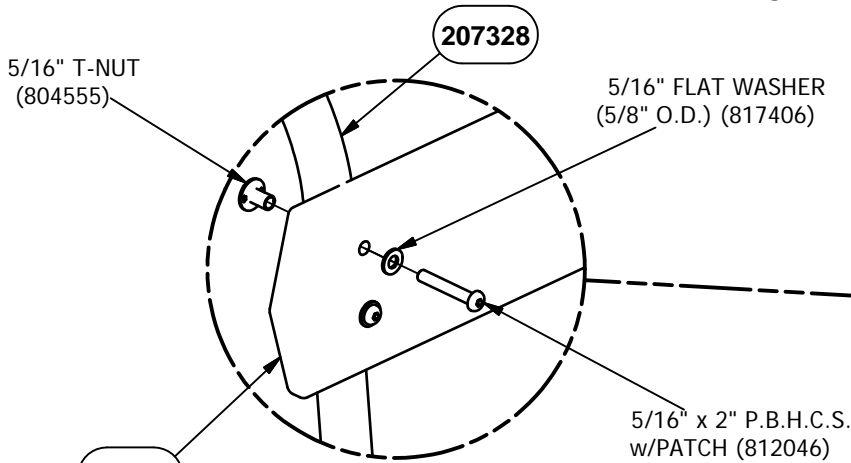
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL

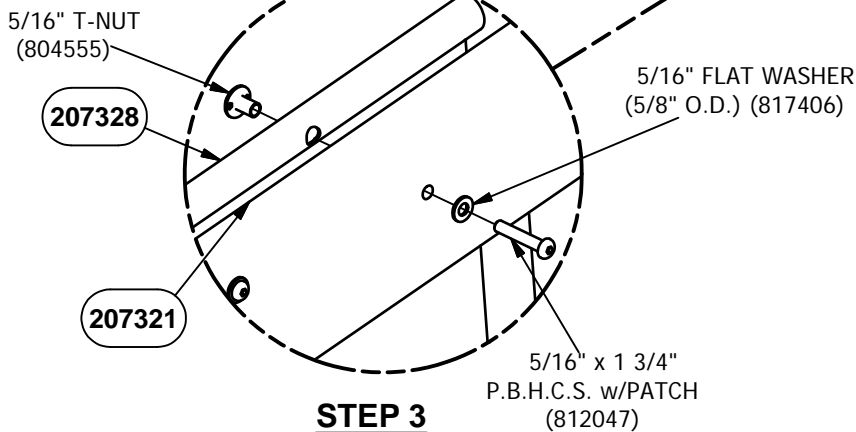


STEP 1
2 PLACES

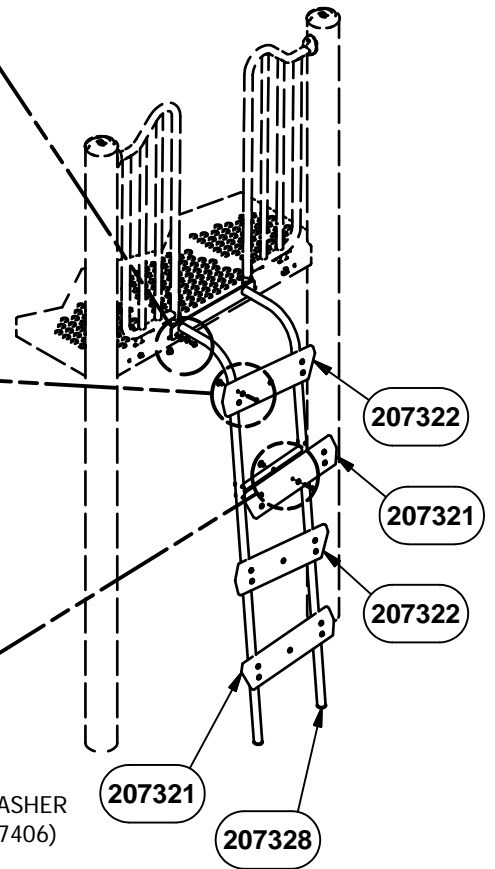


STEP 2
8 PLACES

207322



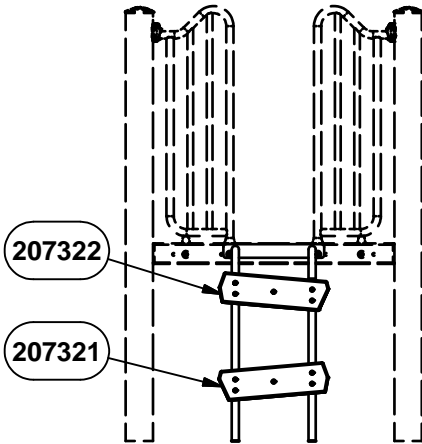
STEP 3
4 PLACES



91183 SHOWN

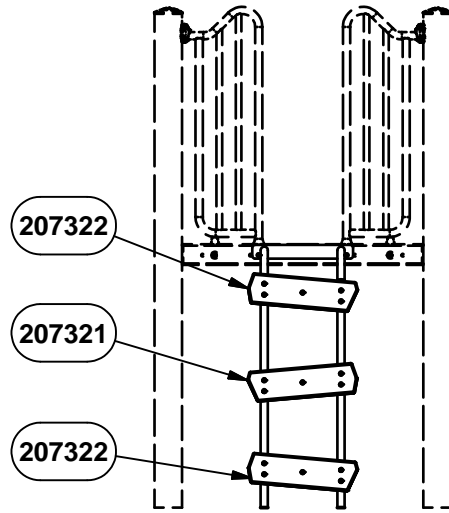
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



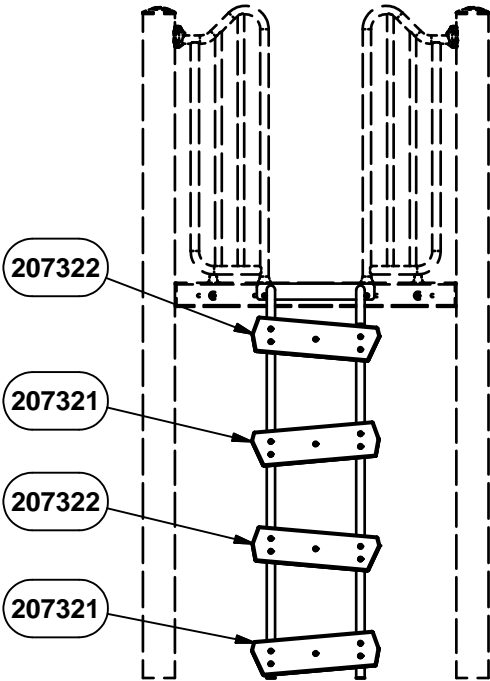
TIMBER LOCATION
91223

TIMBER PACKAGE 207490	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322



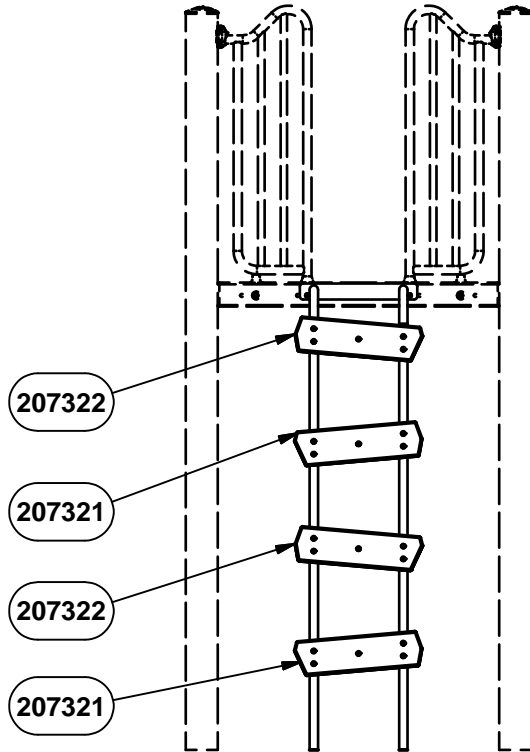
TIMBER LOCATION
91181

TIMBER PACKAGE 207491	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322



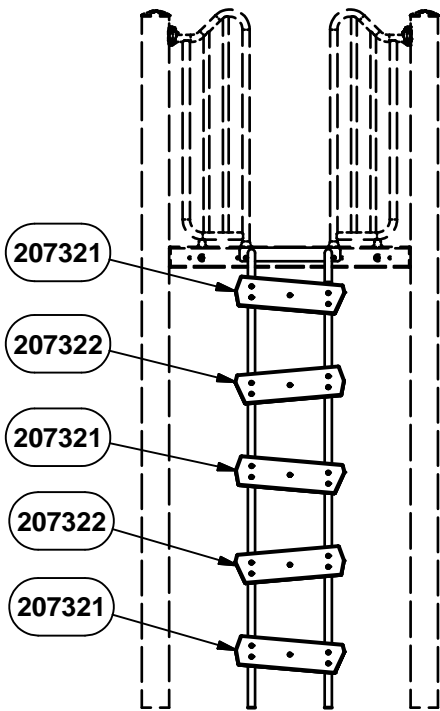
TIMBER LOCATION
91182

TIMBER PACKAGE 207492	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322



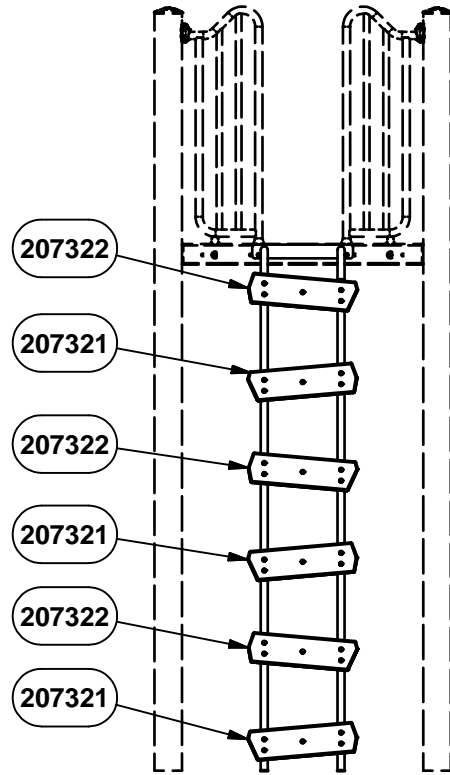
TIMBER LOCATION
91183

TIMBER PACKAGE 207492	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322



TIMBER LOCATION
91184

TIMBER PACKAGE 207493	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322



TIMBER LOCATION
91185

TIMBER PACKAGE 207494	
DESCRIPTION	PART NUMBER
TIMBER 42 (SAND)	207321
TIMBER 43 (TUDOR BROWN)	207322

Parts List							
DESCRIPTION	91223	91181	91182	91183	91184	91185	PART NUMBER
3' PLANK CLIMBER WELD ASS'Y	1	0	0	0	0	0	207377
4' PLANK CLIMBER WELD ASS'Y	0	1	0	0	0	0	207316
5' PLANK CLIMBER WELD ASS'Y	0	0	1	0	0	0	207324
6' PLANK CLIMBER WELD ASS'Y	0	0	0	1	0	0	207328
7' PLANK CLIMBER WELD ASS'Y	0	0	0	0	1	0	207332
8' PLANK CLIMBER WELD ASS'Y	0	0	0	0	0	1	207336
TIMBER PACKAGE	1	0	0	0	0	0	207490
TIMBER PACKAGE	0	1	0	0	0	0	207491
TIMBER PACKAGE	0	0	1	1	0	0	207492
TIMBER PACKAGE	0	0	0	0	1	0	207493
TIMBER PACKAGE	0	0	0	0	0	1	207494
TIMBER 42	1	2	2	2	3	3	207321**
TIMBER 43	1	1	2	2	2	3	207322**
HARDWARE COMPLETE	1	0	0	0	0	0	207495
HARDWARE COMPLETE	0	1	0	0	0	0	207496
HARDWARE COMPLETE	0	0	1	1	0	0	207497
HARDWARE COMPLETE	0	0	0	0	1	0	207498
HARDWARE COMPLETE	0	0	0	0	0	1	207499
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
3/8" LOCK WASHER	2	2	2	2	2	2	817334*
3/8" T-NUT	2	2	2	2	2	2	804556*
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	2	3	4	4	5	6	812047*
5/16" x 2" P.B.H.C.S. w/PATCH	8	12	16	16	20	24	812046*
5/16" FLAT WASHER (5/8" O.D.)	10	15	20	20	25	30	817406*
5/16" T-NUT	10	15	20	20	25	30	804555*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	817424*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

***Included in Timber Package*

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape®





A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 5/25/17

91336 TIMBERS ENCLOSURE

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

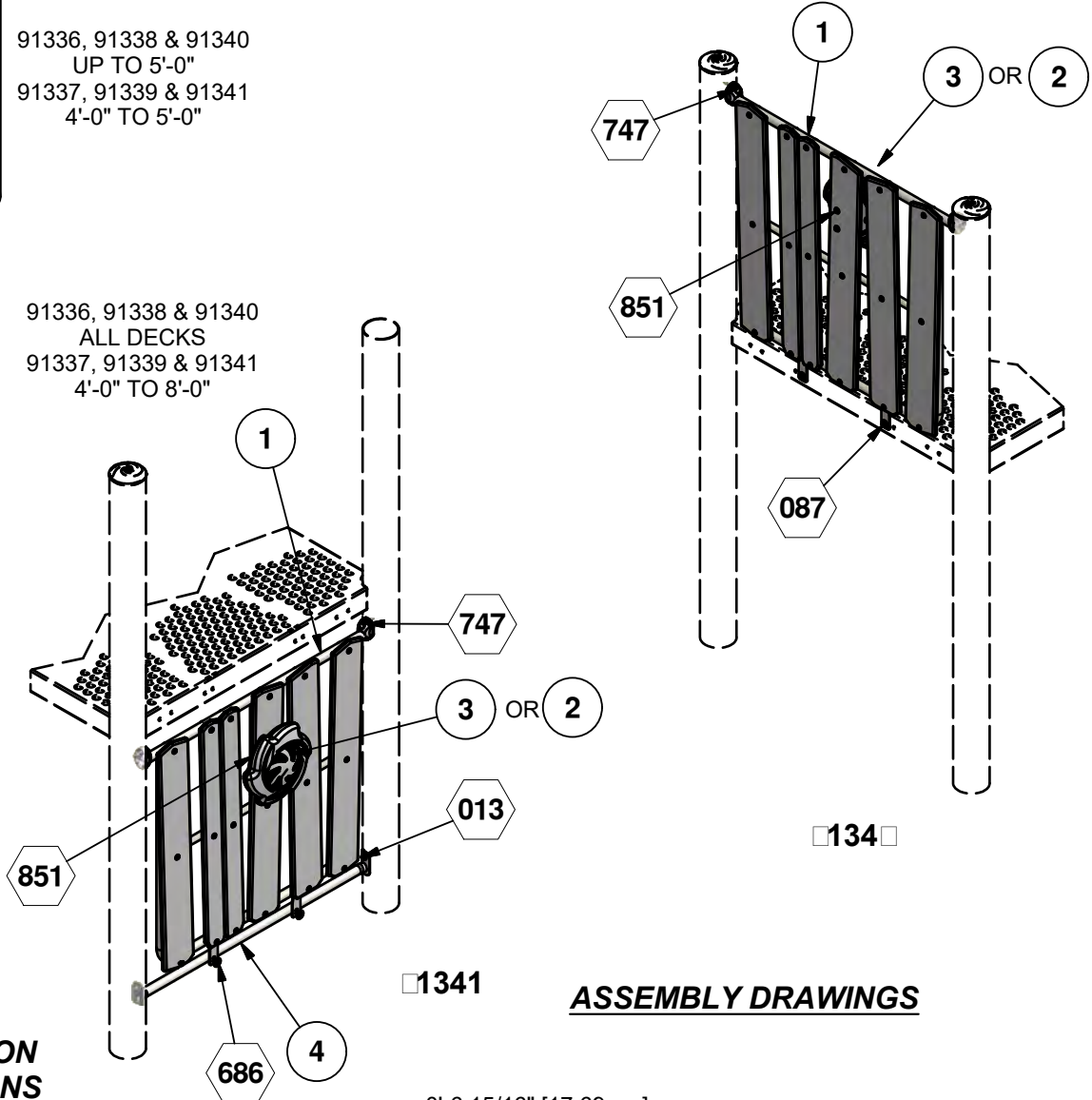
w/ MOLDED STEERING WHEEL (ABOVE DECK)	91336
w/ MOLDED STEERING WHEEL (BELOW DECK)	91337
w/ SOLID STEERING WHEEL (ABOVE DECK)	91338
w/ SOLID STEERING WHEEL (BELOW DECK)	91339
w/ THUNDERRING (ABOVE DECK)	91340
w/ THUNDERRING (BELOW DECK)	91341



91336, 91338 & 91340
UP TO 5'-0"
91337, 91339 & 91341
4'-0" TO 5'-0"



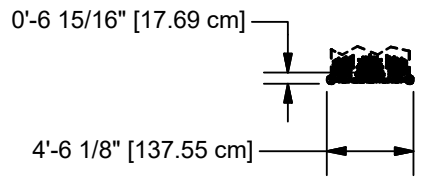
91336, 91338 & 91340
ALL DECKS
91337, 91339 & 91341
4'-0" TO 8'-0"



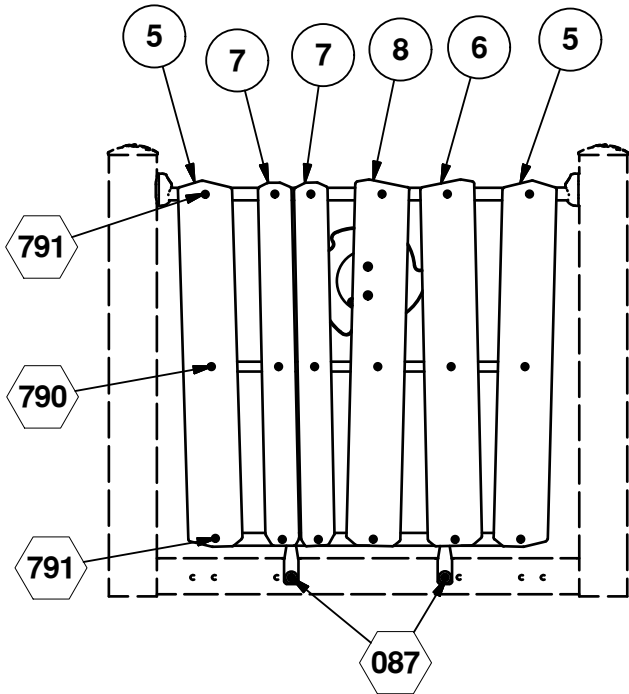
ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

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

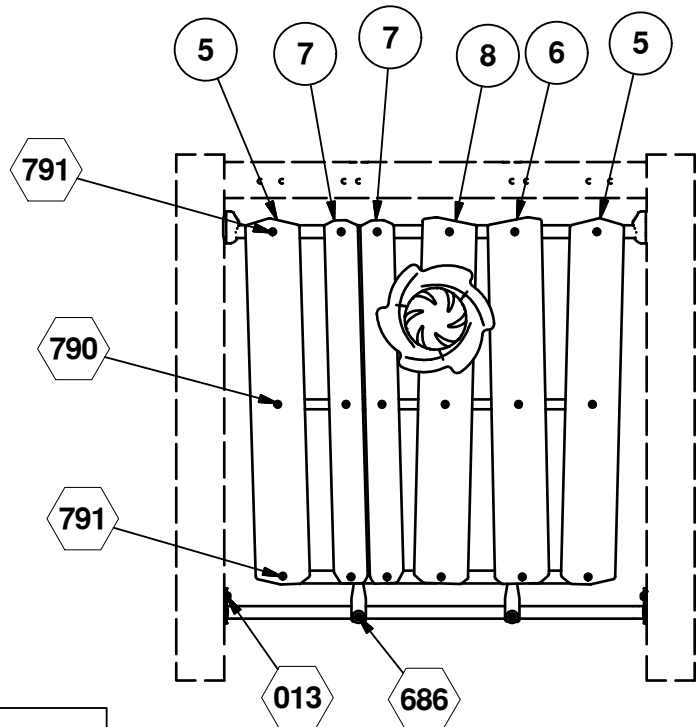


TOP VIEW



TIMBER LOCATION
91340 (91336 & 91338 SIMILAR)

TIMBER PACKAGE □		
RE□	DESCRIPTION	PART NUMBER
5	TIMBER 1□TUDOR BROWN□	2□222
□	TIMBER 1□TUDOR BROWN□	2□22□
□	TIMBER 1□GRA□	2□22□
□	TIMBER 12□SAND□	211□□



TIMBER LOCATION
91341 (91337 & 91339 SIMILAR)

TIMBER PACKAGE □11□□		
RE□	DESCRIPTION	PART NUMBER
5	TIMBER 1□TUDOR BROWN□	2□222
□	TIMBER 1□TUDOR BROWN□	2□22□
□	TIMBER 1□GRA□	2□22□
□	TIMBER 12□SAND□	211□□

Parts List								
REF.	DESCRIPTION	91336	91337	91338	91339	91340	91341	PART NUMBER
1	TIMBER ENCLOSURE WELD ASS'Y	1	1	1	1	1	1	211306
2	STEERING WHEEL ASSEMBLY	1	1	0	0	0	0	163235
2	SOLID STEERING WHEEL ASSEMBLY	0	0	1	1	0	0	141129
3	THUNDER RING	0	0	0	0	1	1	179013
4	MOUNTING PIPE	0	1	0	1	0	1	203900
	TIMBER PACKAGE	1	1	1	1	1	1	213114
5	TIMBER 14	2	2	2	2	2	2	207222**
6	TIMBER 16	1	1	1	1	1	1	207220**
7	TIMBER 17	2	2	2	2	2	2	207223**
8	TIMBER 123	1	1	1	1	1	1	211304**
	TRU-LOC	2	2	2	2	2	2	203650
	HARDWARE COMPLETE	1	0	1	0	1	0	211316
	HARDWARE COMPLETE	0	1	0	1	0	1	211317
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	6	6	6	6	6	6	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	12	12	12	12	12	12	812046*
	5/16" FLAT WASHER (5/8" O.D.)	18	18	18	18	18	18	817406*
	5/16" T-NUT	18	18	18	18	18	18	804555*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812055*
	3/8" ACORN NUT	2	2	2	2	2	2	804002*
	3/8" FLAT WASHER	2	2	2	2	2	2	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	817424*
	3/8" LOCK WASHER	6	8	6	8	6	8	817334*
	3/8" T-NUT	2	2	2	2	2	2	804556*
	ALUM. PIN	2	2	2	2	2	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

**Included in i er ac a e

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.

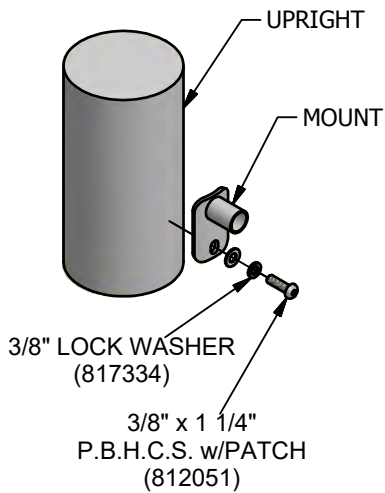
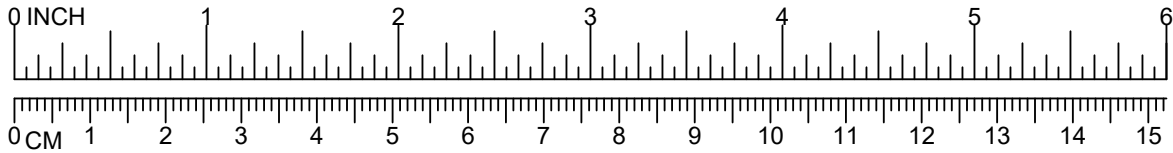
DETAILS -for- 91336, 91337, 91338, 91339, 91340 & 91341

IMPORTANT

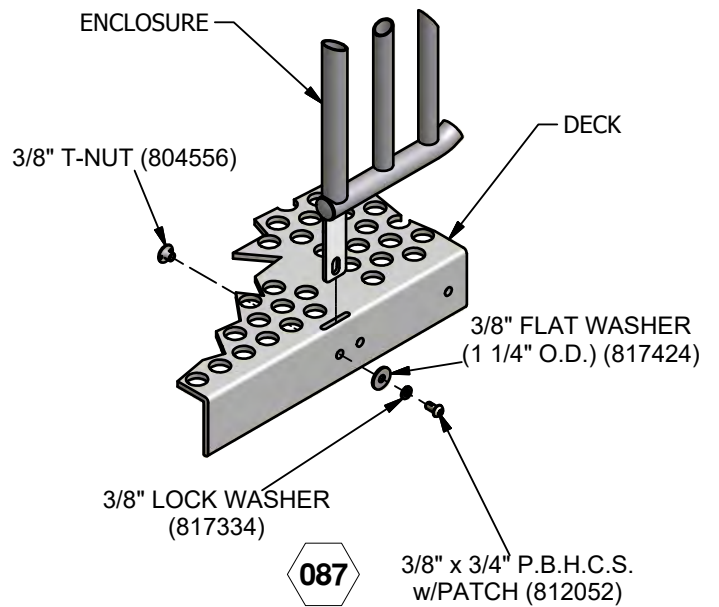
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

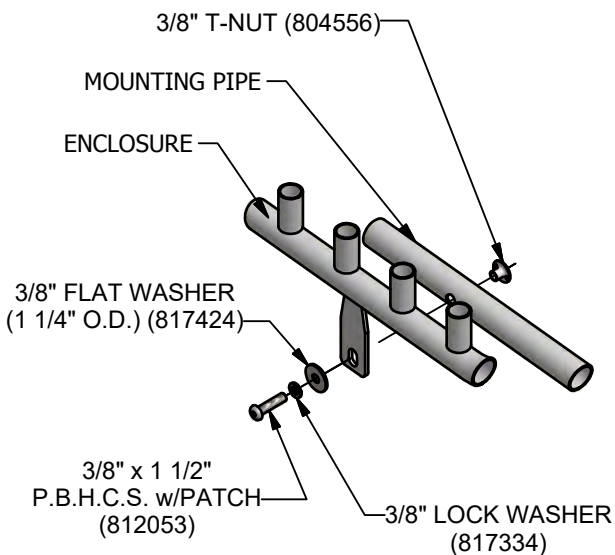
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



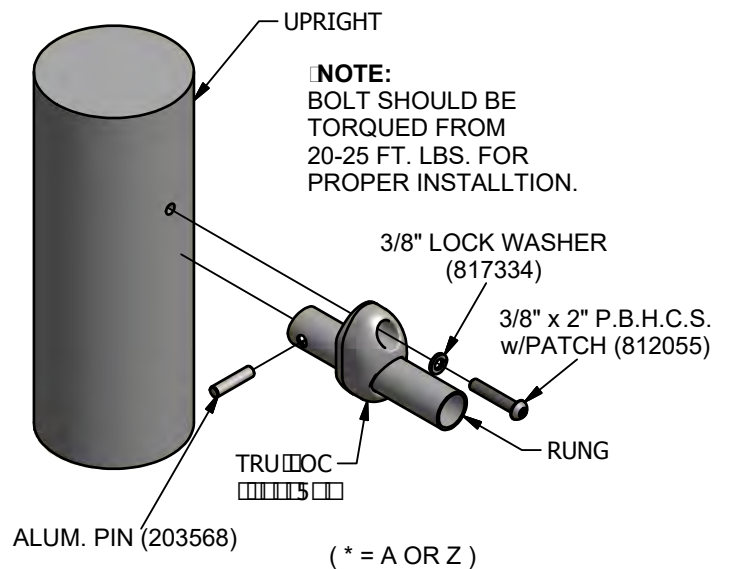
013



087



686



747

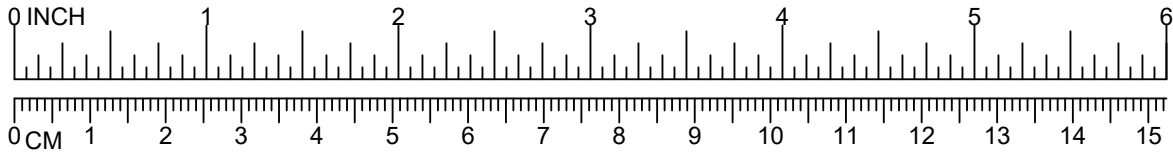
DETAILS -for- 91336, 91337, 91338, 91339, 91340 & 91341

IMPORTANT

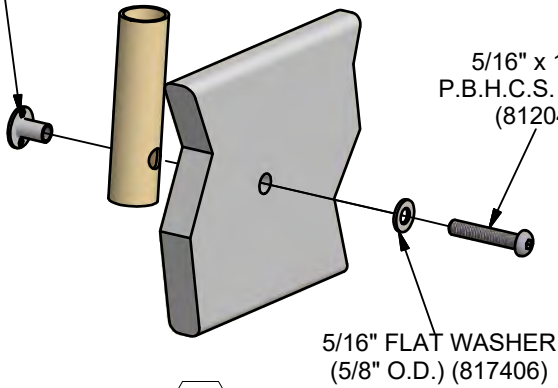
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.

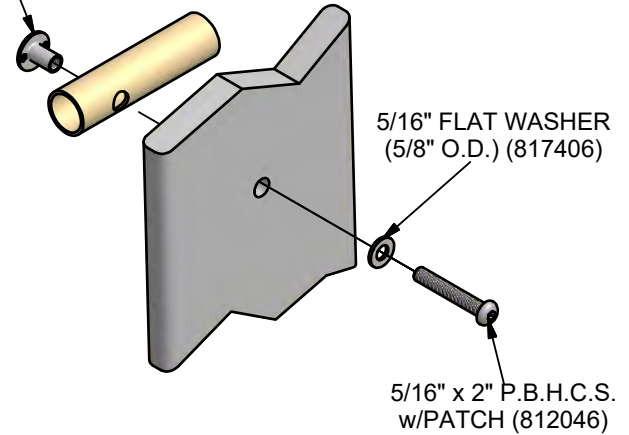


5/16" T-NUT (804555)



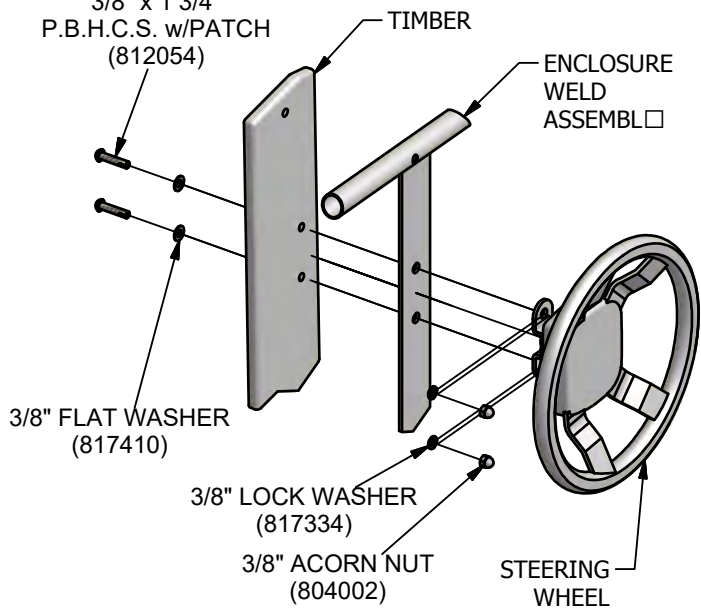
790

5/16" T-NUT (804555)



791

3/8" x 1 3/4"
P.B.H.C.S. w/PATCH
(812054)



851

PowerScape

GameTime

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1-800-235-2440

ISSUED/REVISED: 6/27/2022

91617

HI-LINE CLIMBING LINK



UP TO 5'

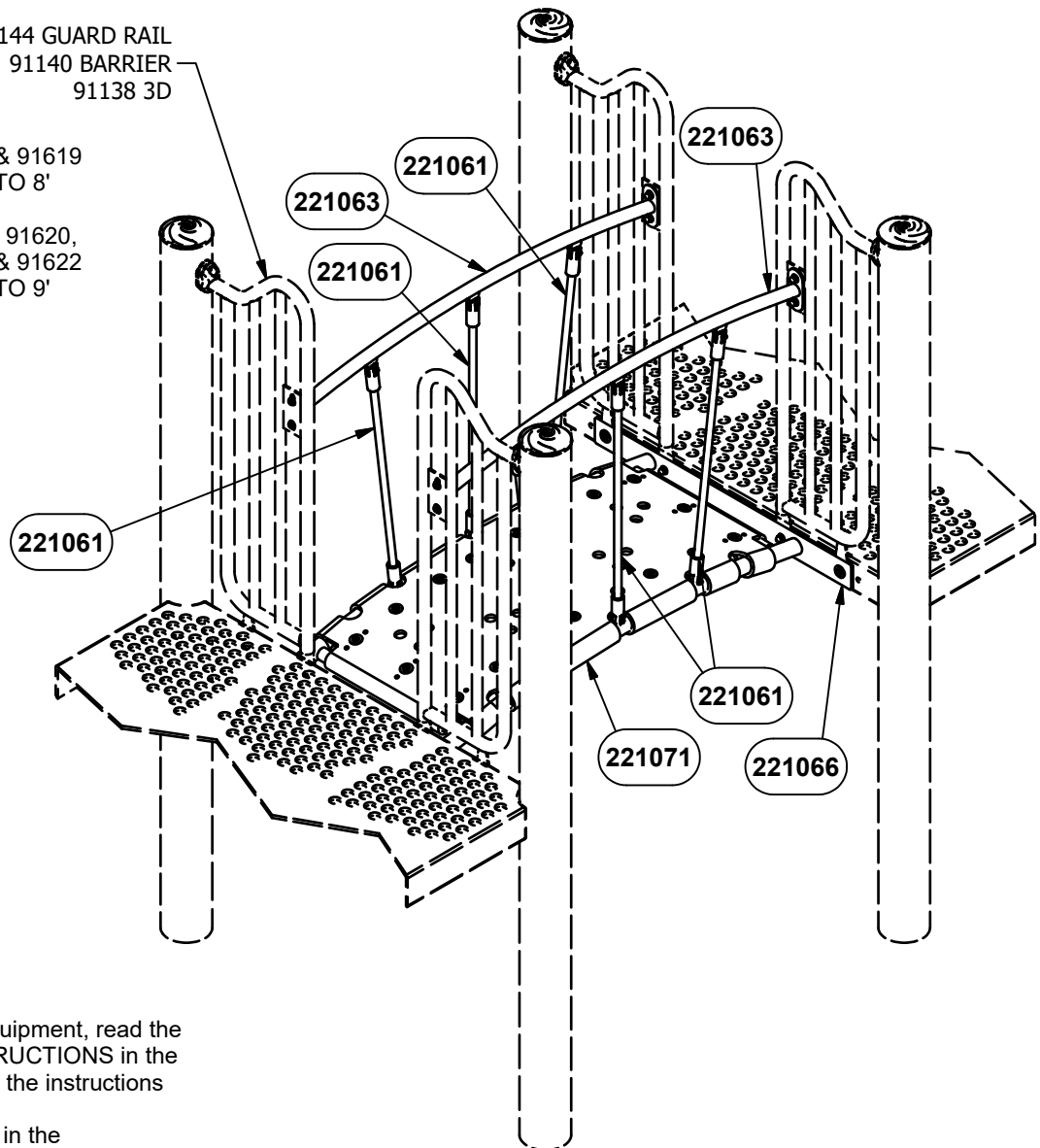


91617 & 91619
UP TO 8'

91618, 91620,
91621 & 91622
UP TO 9'

1 DECK SPAN 0' RISE	91617
1 DECK SPAN 1' RISE	91618
2 DECK SPAN 0' RISE	91619
2 DECK SPAN 1' RISE	91620
2 DECK SPAN 2' RISE	91621
2 DECK SPAN 3' RISE	91622

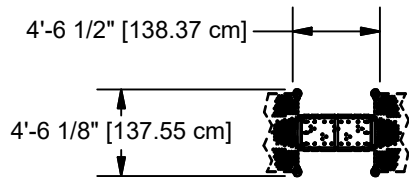
91144 GUARD RAIL
91140 BARRIER
91138 3D



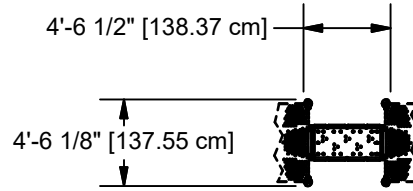
INSTALLATION INSTRUCTIONS

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

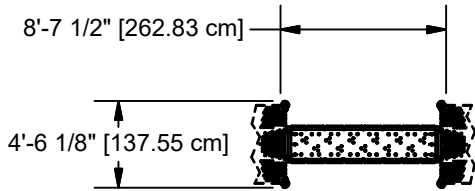
ASSEMBLY VIEW
91617 SHOWN
OTHERS SIMILAR



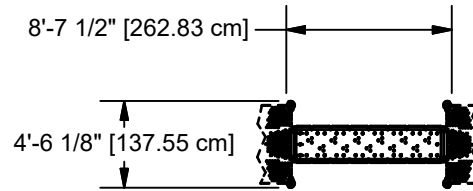
TOP VIEW
91617



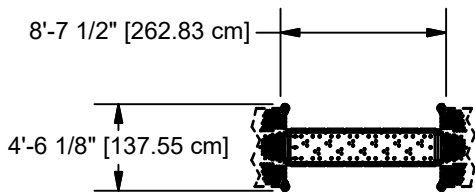
TOP VIEW
91618



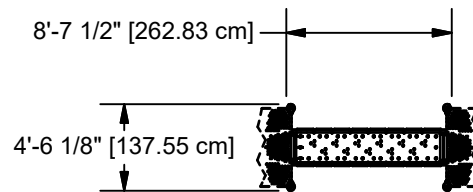
TOP VIEW
91619



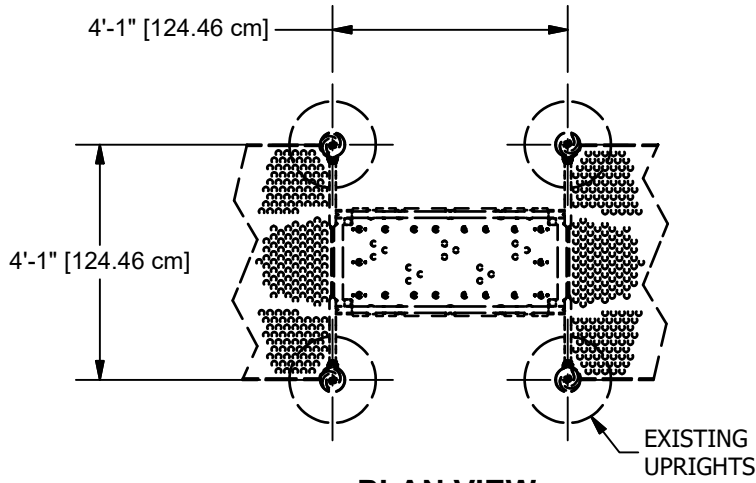
TOP VIEW
91620



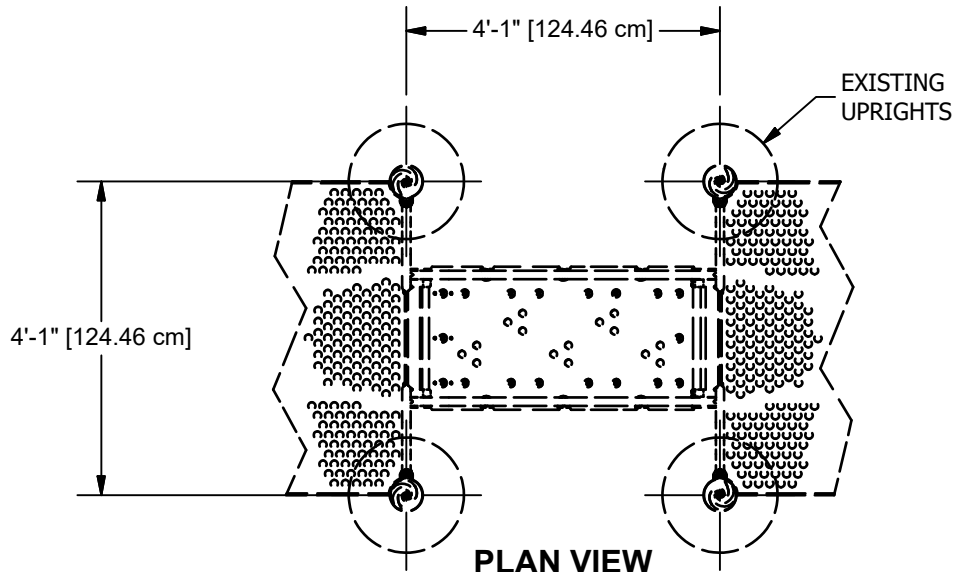
TOP VIEW
91621



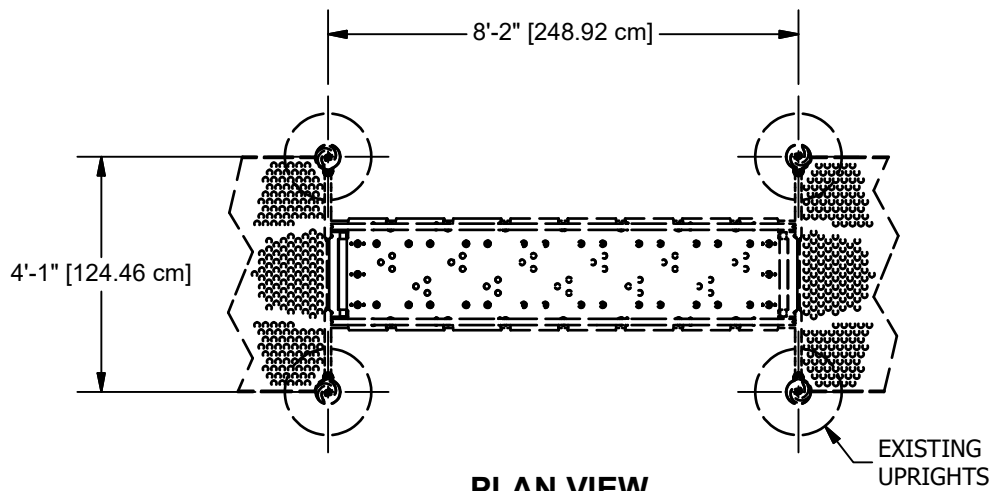
TOP VIEW
91622



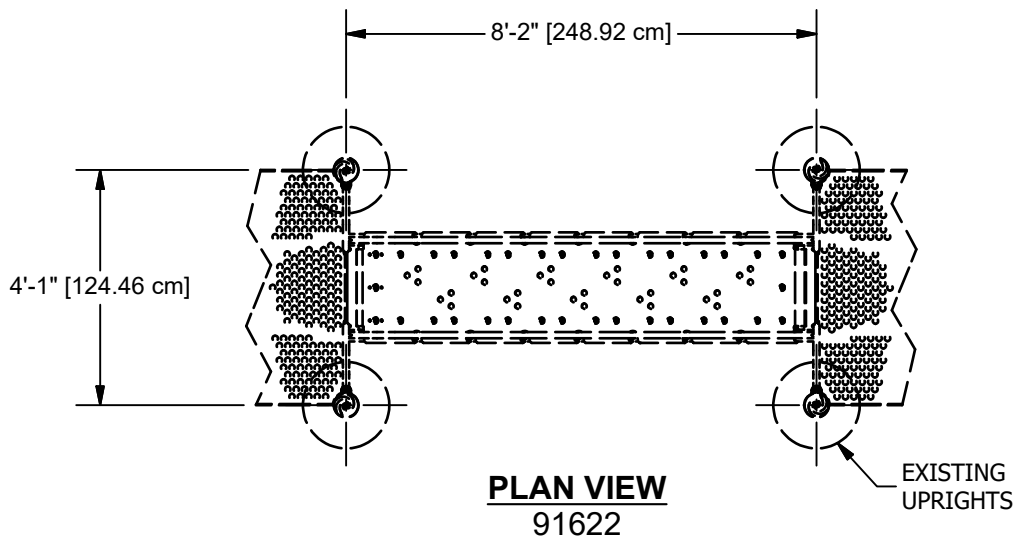
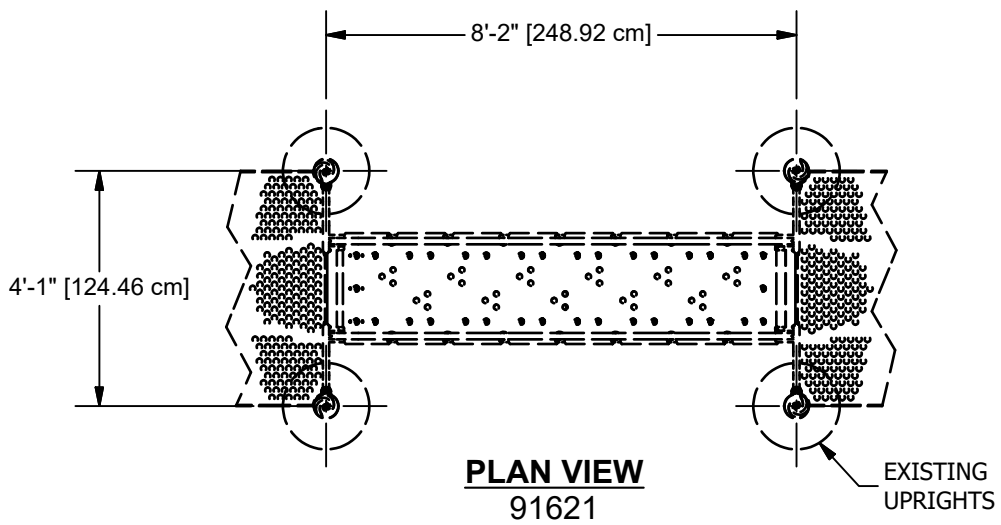
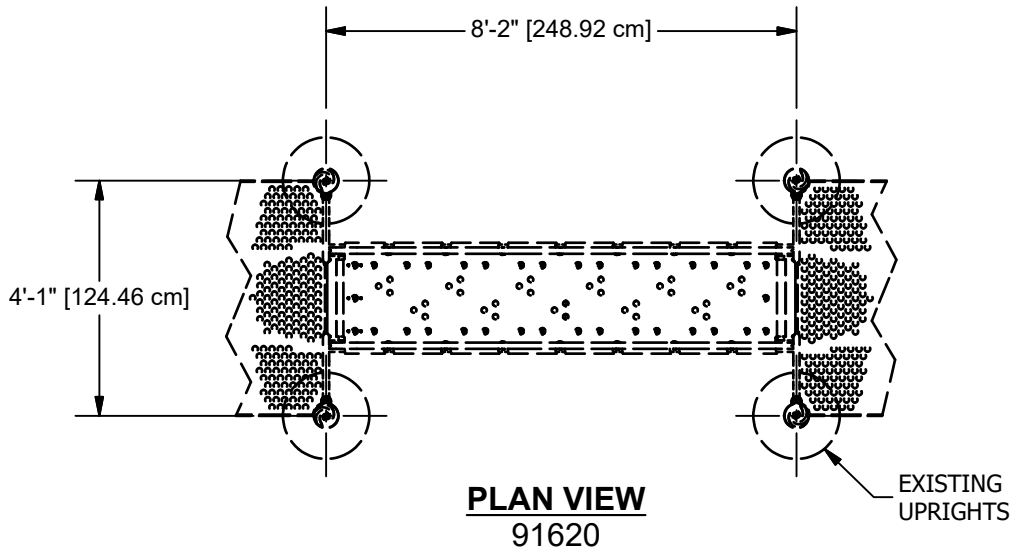
PLAN VIEW
91617

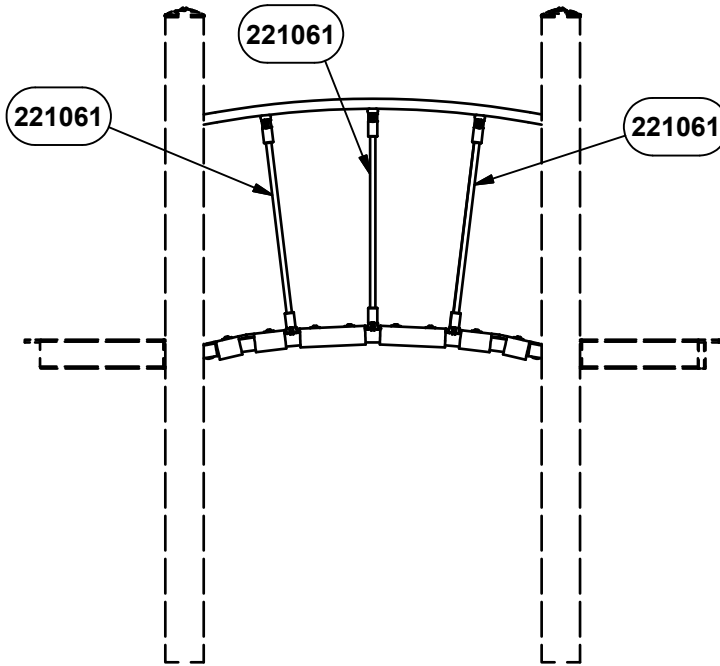


PLAN VIEW
91618

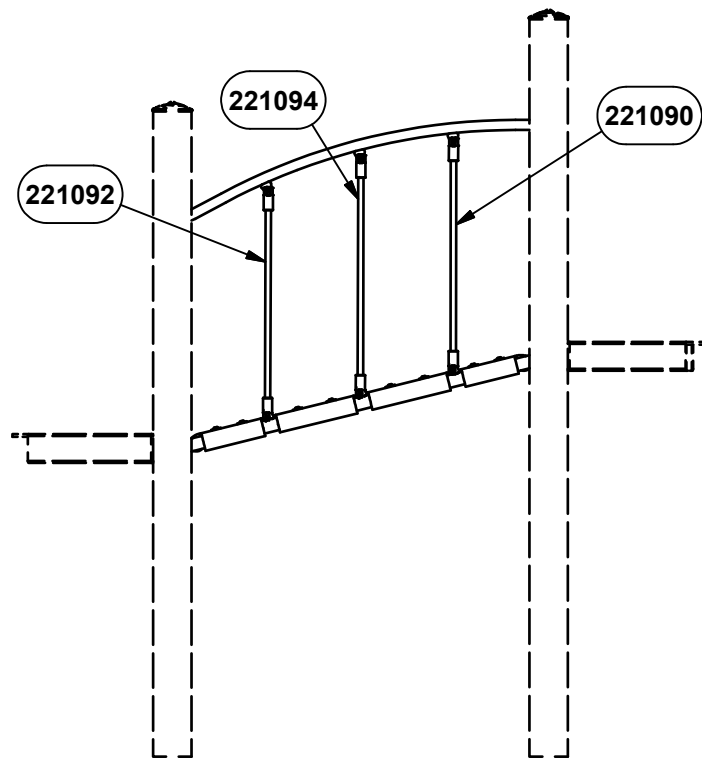


PLAN VIEW
91619

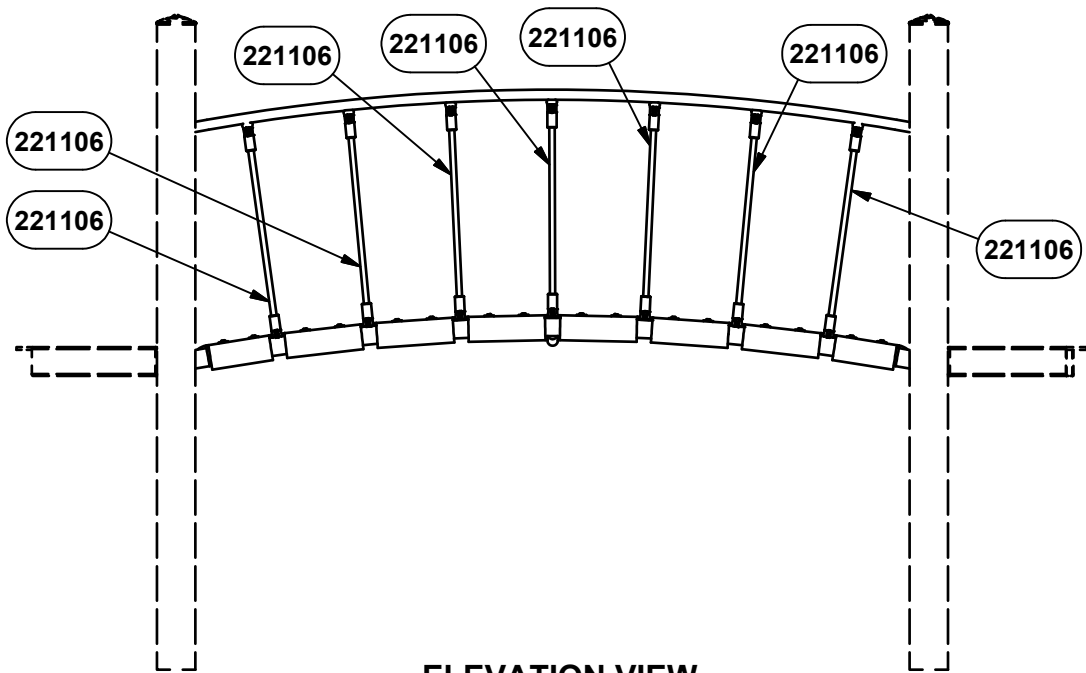




ELEVATION VIEW
91617

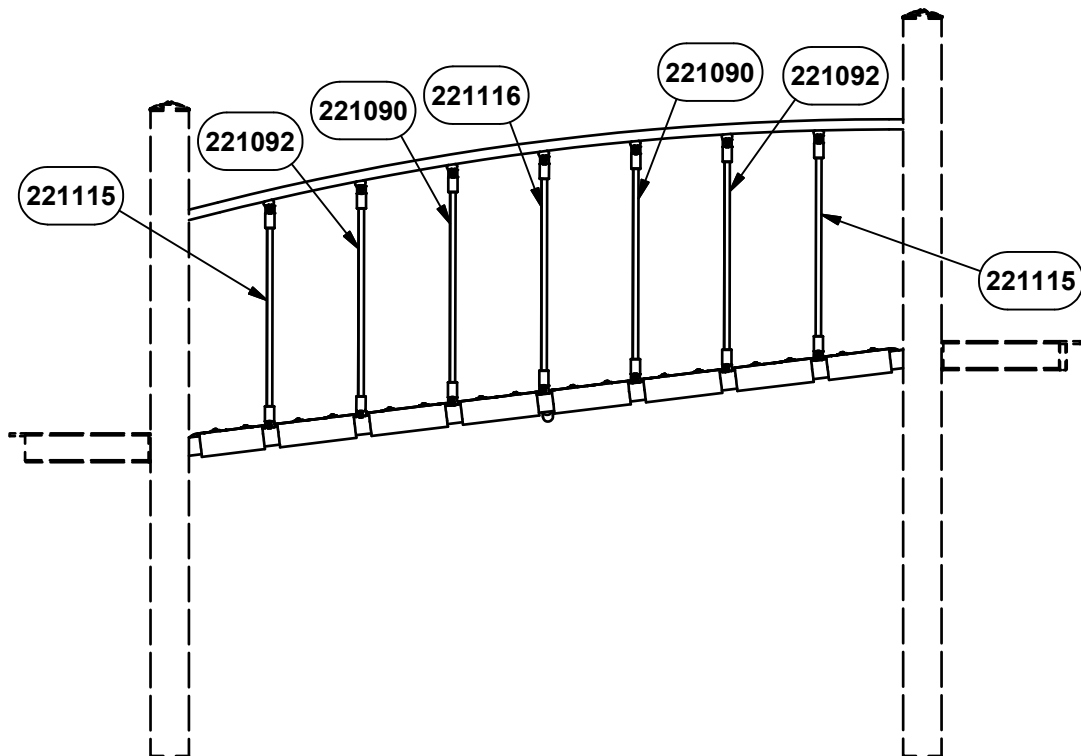


ELEVATION VIEW
91618



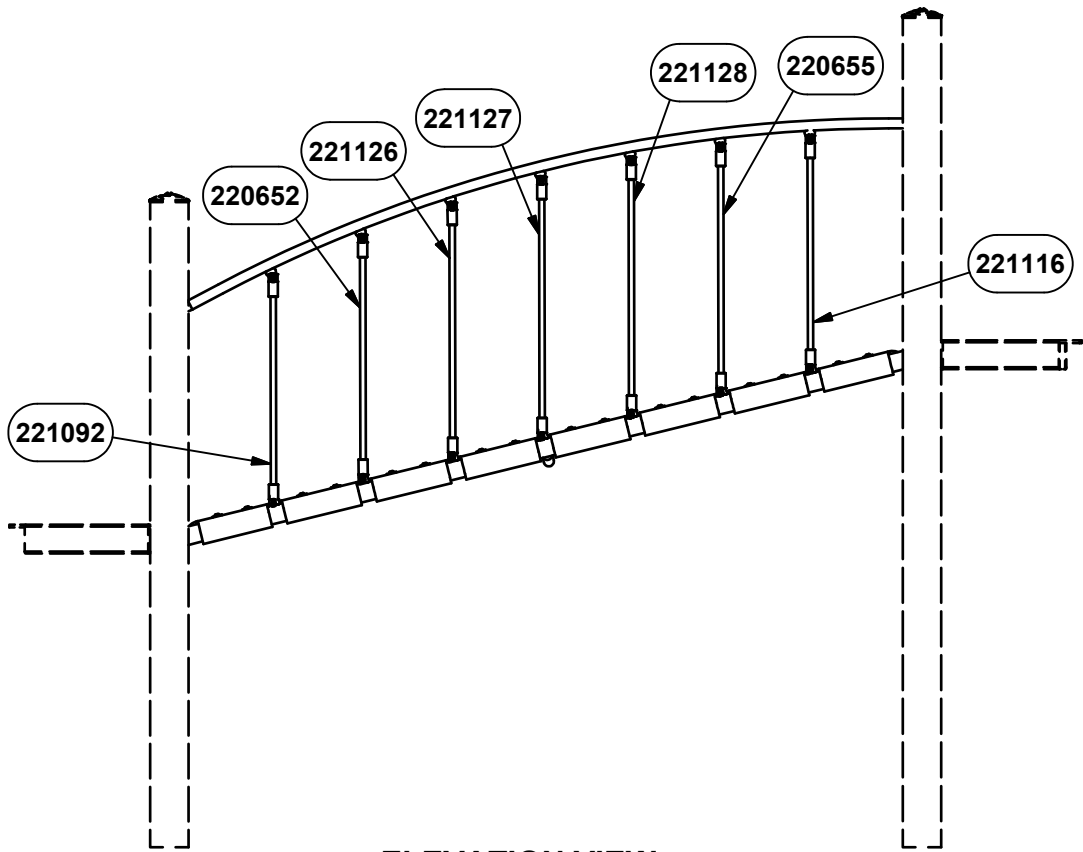
ELEVATION VIEW

91619

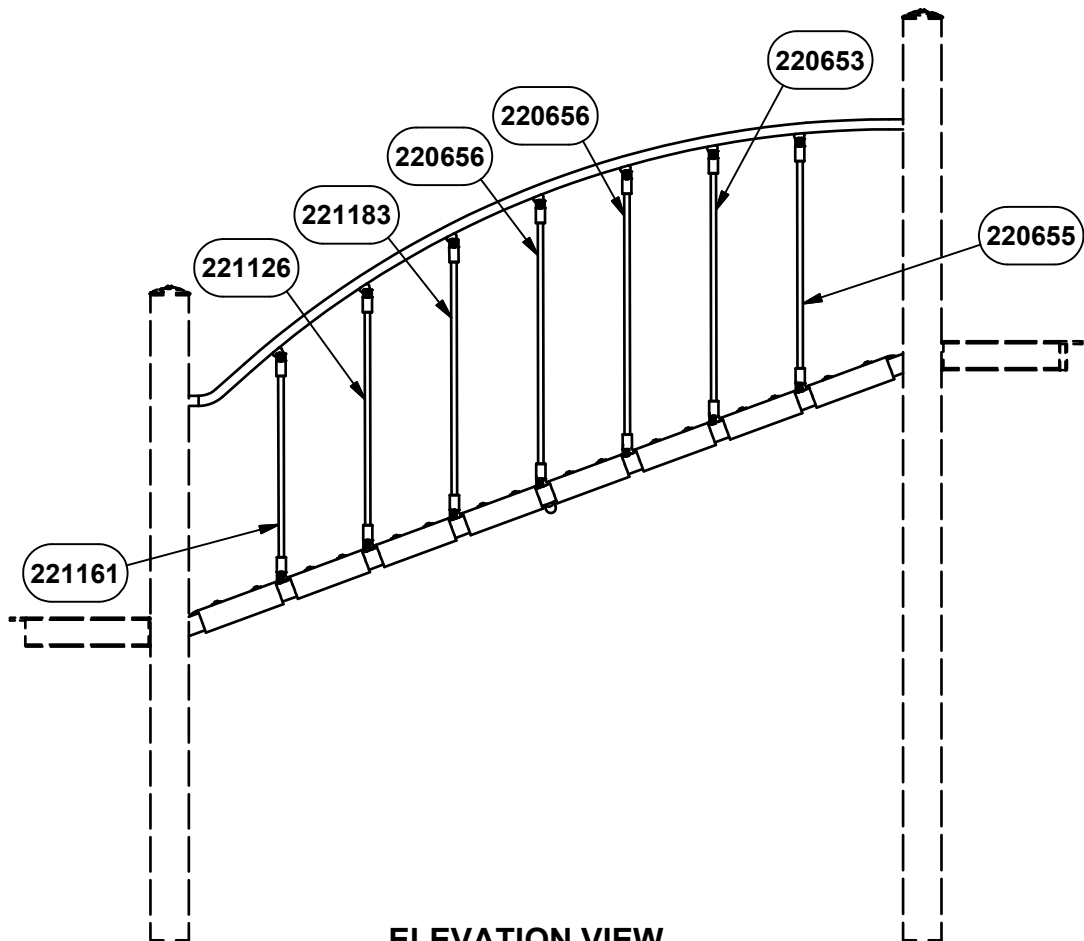


ELEVATION VIEW

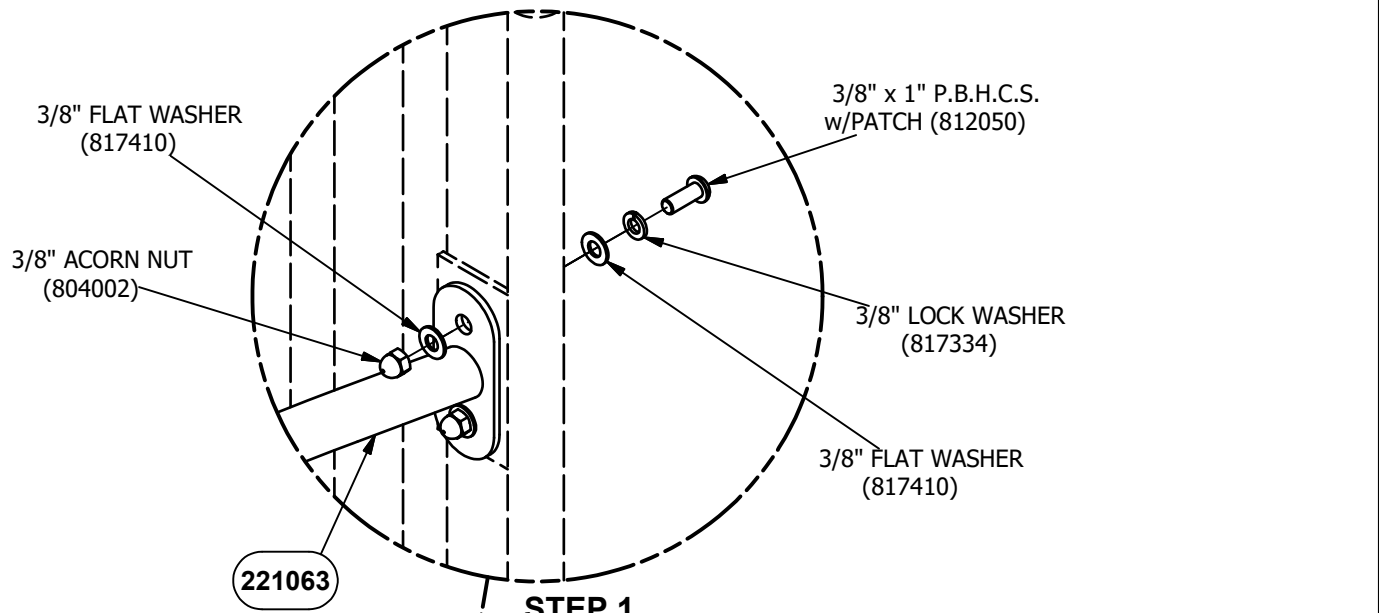
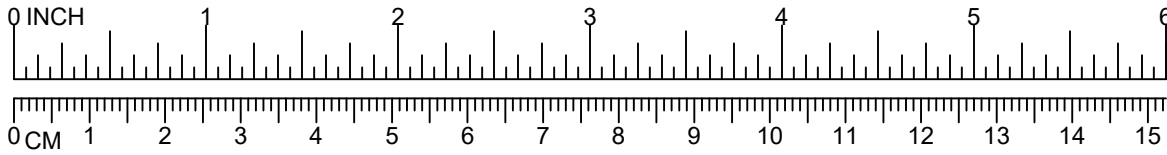
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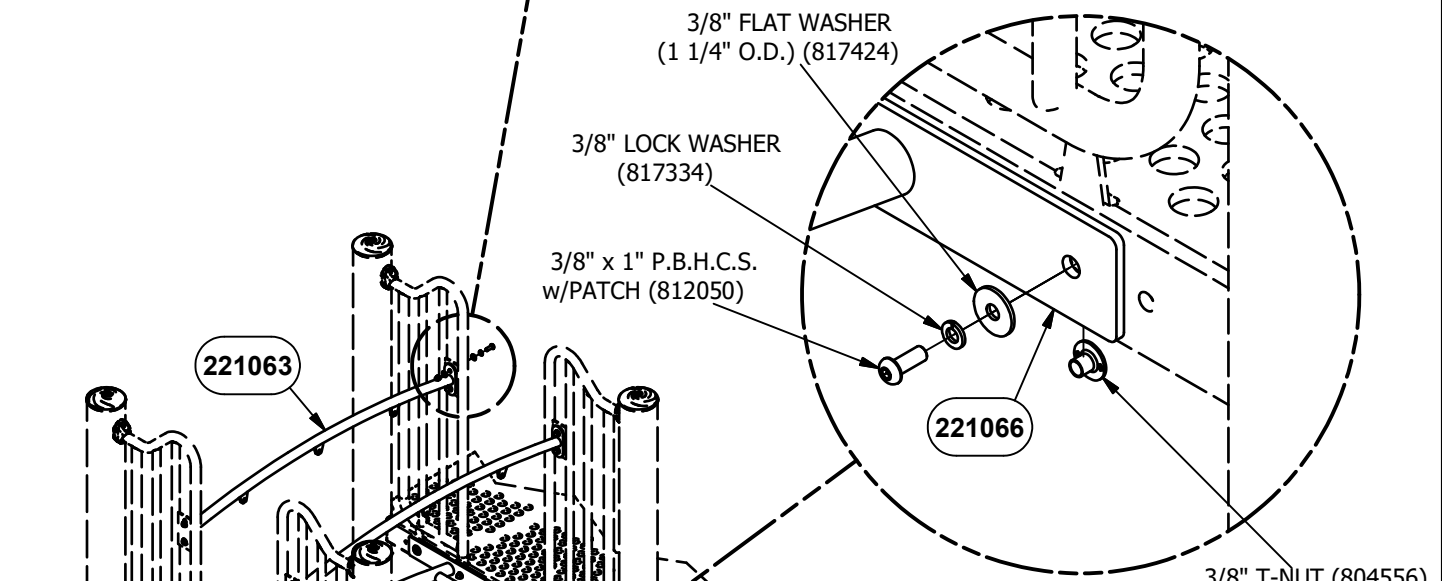
ELEVATION VIEW
91621



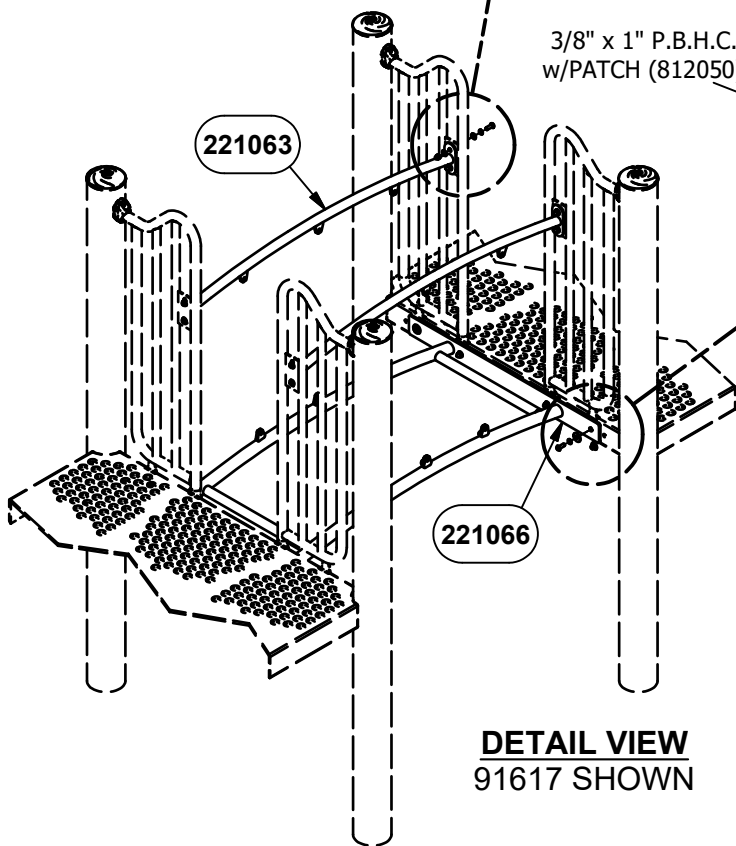
ELEVATION VIEW
91622



STEP 1
8 PLACES

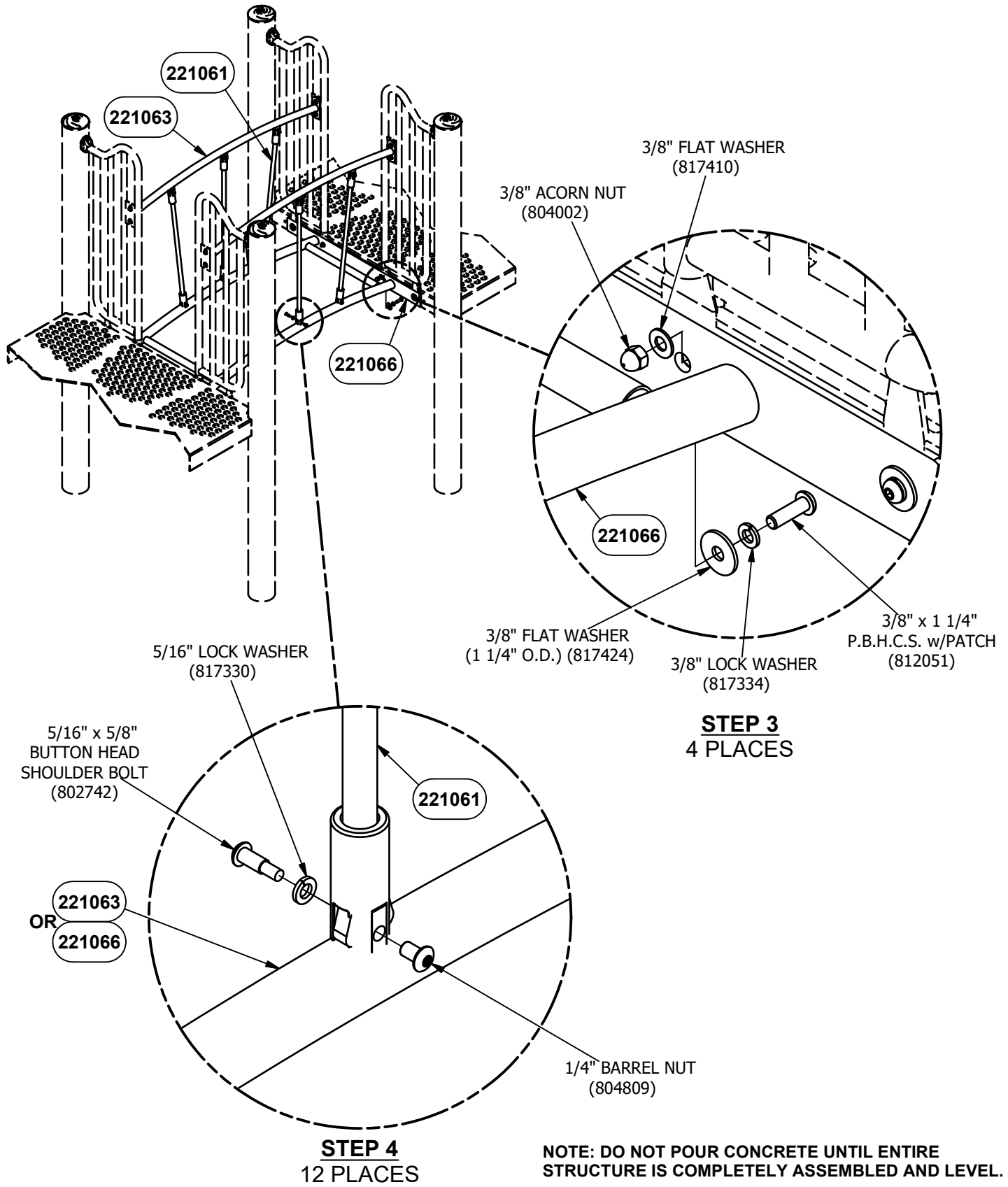
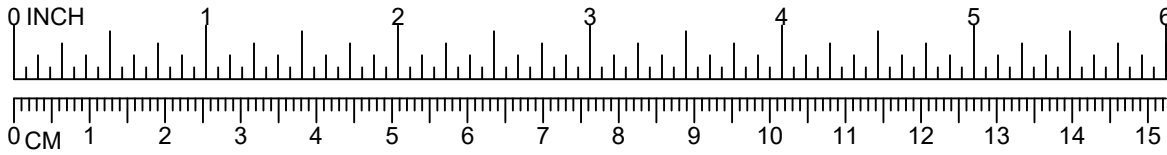


STEP 2
4 PLACES

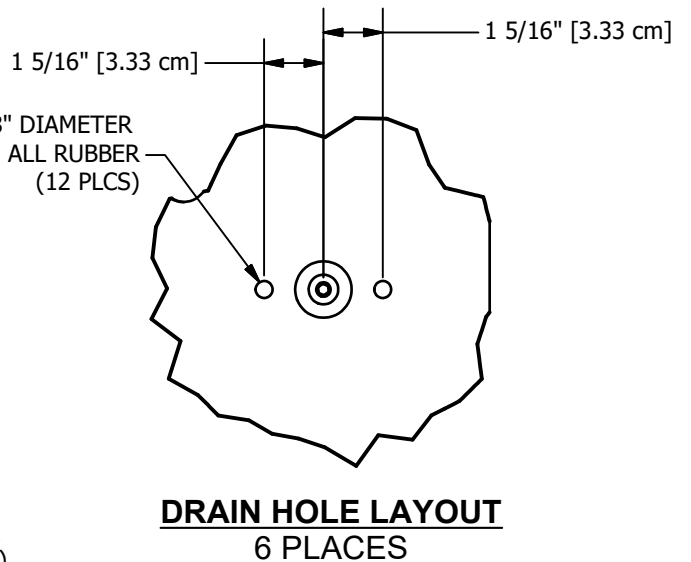
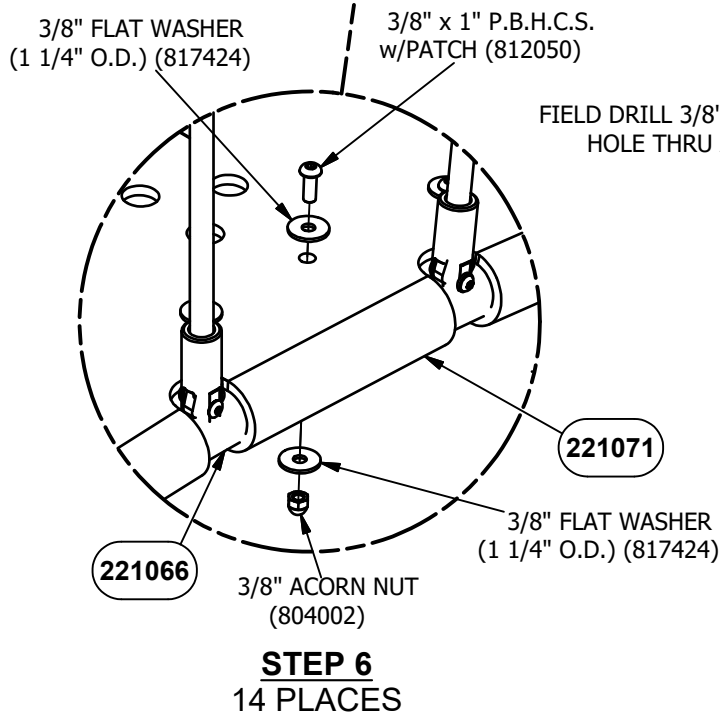
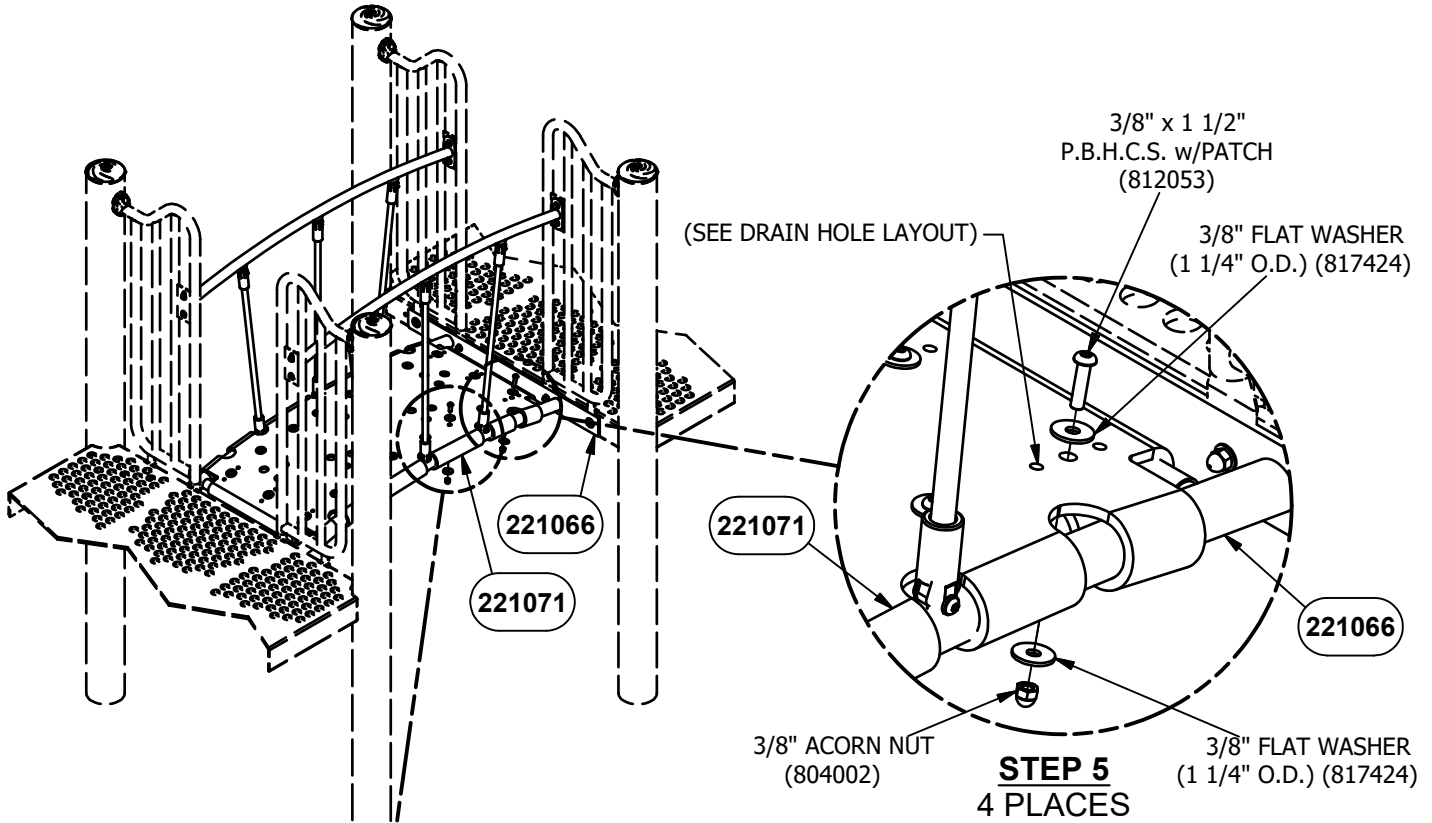
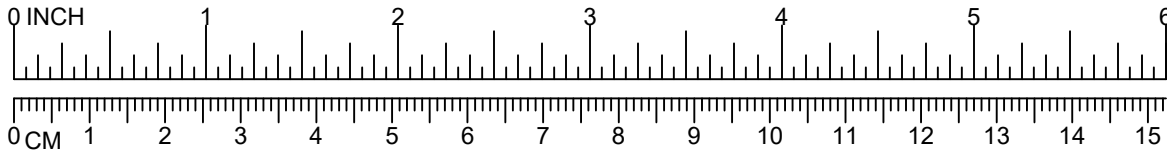


DETAIL VIEW
91617 SHOWN

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



DETAIL VIEW
91617 SHOWN



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

Parts List							
DESCRIPTION	91617	91618	91619	91620	91621	91622	PART NUMBER
TOP RAIL WELD ASSEMBLY	2	0	0	0	0	0	221063
TOP RAIL WELD ASSEMBLY	0	2	0	0	0	0	221085
TOP RAIL WELD ASSEMBLY	0	0	2	0	0	0	221101
TOP RAIL WELD ASSEMBLY	0	0	0	2	0	0	221109
TOP RAIL WELD ASSEMBLY	0	0	0	0	2	0	221121
TOP RAIL WELD ASSEMBLY	0	0	0	0	0	2	220649
BOTTOM SUPPORT WELD ASSEMBLY	1	0	0	0	0	0	221066
BOTTOM SUPPORT WELD ASSEMBLY	0	1	0	0	0	0	221088
BOTTOM SUPPORT WELD ASSEMBLY	0	0	1	0	0	0	221104
BOTTOM SUPPORT WELD ASSEMBLY	0	0	0	1	0	0	221112
BOTTOM SUPPORT WELD ASSEMBLY	0	0	0	0	1	0	221124
RUBBER MAT FRAME WELD ASSEMBLY	0	0	0	0	0	1	220643
RUBBER MAT	1	0	0	0	0	0	221071
RUBBER MAT	0	1	0	0	0	0	221083
RUBBER MAT	0	0	1	0	0	0	221099
RUBBER MAT	0	0	0	1	0	0	221114
RUBBER MAT	0	0	0	0	1	0	221129
RUBBER MAT	0	0	0	0	0	1	220651
CABLE ASSEMBLY	6	0	0	0	0	0	221061
CABLE 1 ASSEMBLY	0	0	0	0	2	0	220652
CABLE 2 ASSEMBLY	0	0	0	0	0	2	220653
CABLE 4 ASSEMBLY	0	0	0	0	2	2	220655
CABLE 5 ASSEMBLY	0	0	0	0	0	4	220656
CABLE ASSEMBLY 1	0	2	0	4	0	0	221090
CABLE ASSEMBLY 2	0	2	0	4	2	0	221092
CABLE ASSEMBLY 3	0	2	0	0	0	0	221094
CABLE ASSEMBLY	0	0	14	0	0	0	221106
CABLE ASSEMBLY	0	0	0	4	0	0	221115
CABLE ASSEMBLY	0	0	0	2	2	0	221116
CABLE ASSEMBLY	0	0	0	0	2	2	221126
CABLE ASSEMBLY	0	0	0	0	2	0	221127
CABLE ASSEMBLY	0	0	0	0	2	0	221128
CABLE ASSEMBLY	0	0	0	0	0	2	221161
CABLE ASSEMBLY	0	0	0	0	0	2	221183

CONTINUES TO NEXT PAGE

Parts List							
DESCRIPTION	91617	91618	91619	91620	91621	91622	PART NUMBER
HARDWARE COMPLETE	1	1	0	0	0	0	221107
HARDWARE COMPLETE	0	0	1	1	1	1	221117
1/4" BARREL NUT	12	12	28	28	28	28	804809*
5/16" x 5/8" BUTTON HEAD SHOULDER BOLT	12	12	28	28	28	28	802742*
5/16" LOCK WASHER	12	12	28	28	28	28	817330*
3/8" x 1" P.B.H.C.S. w/PATCH	26	26	42	42	42	42	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	812053*
3/8" FLAT WASHER	20	20	20	20	20	20	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	44	44	76	76	76	76	817424*
3/8" LOCK WASHER	16	16	16	16	16	16	817334*
3/8" ACORN NUT	30	30	46	46	46	46	804002*
3/8" T-NUT	4	4	4	4	4	4	804556*

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape®

91688

GameTime®

A PLAYCORE Company

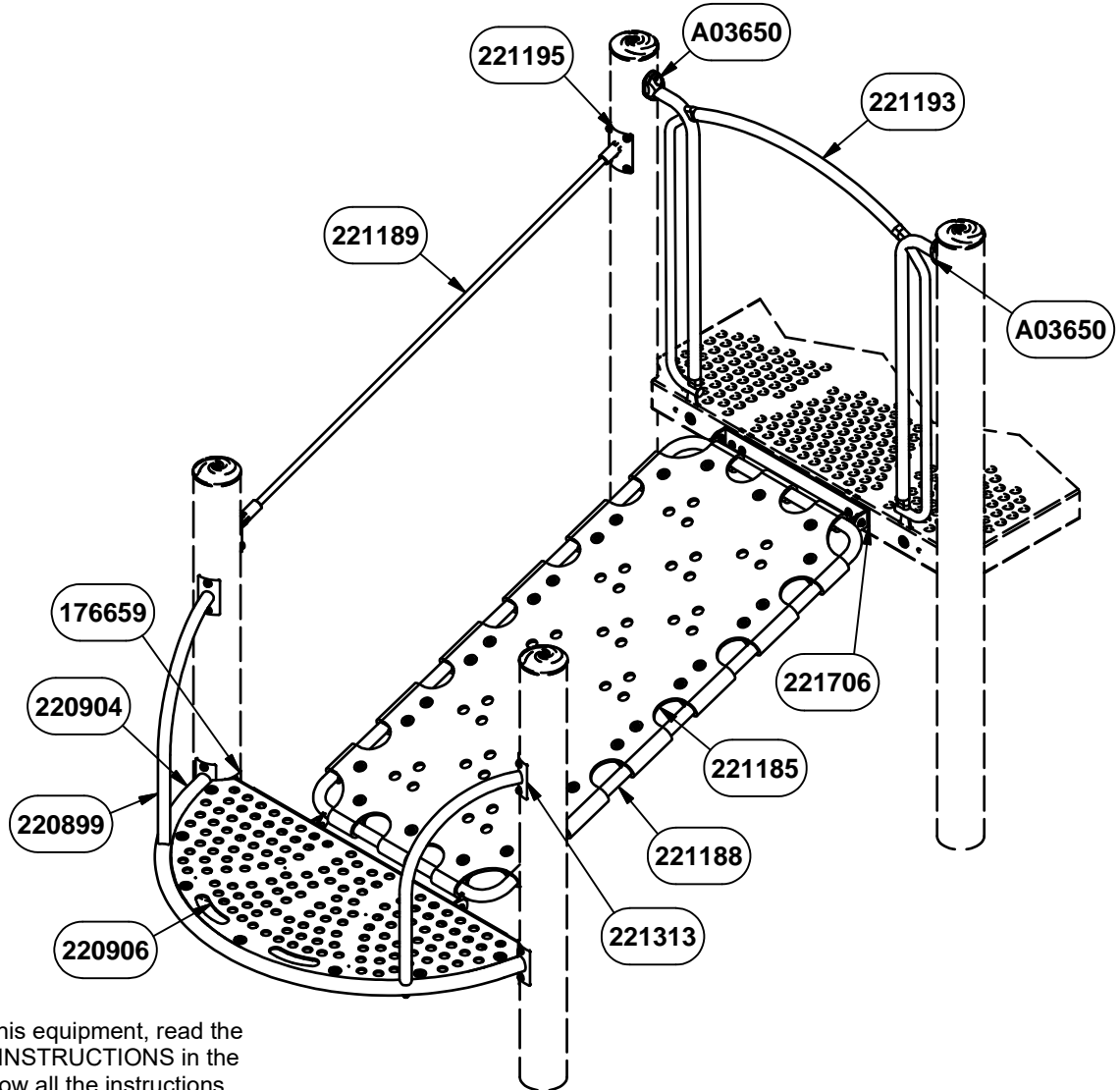
1-800-235-2440

ISSUED/REVISED: 5/26/2022

INCLINED CLIMBER



INCLINED CLIMBER TO 3'-0" DECK	91688
INCLINED CLIMBER TO 3'-6" DECK	91689
INCLINED CLIMBER TO 4'-0" DECK	91690
INCLINED CLIMBER TO 4'-6" DECK	91691
INCLINED CLIMBER TO 5'-0" DECK	91692



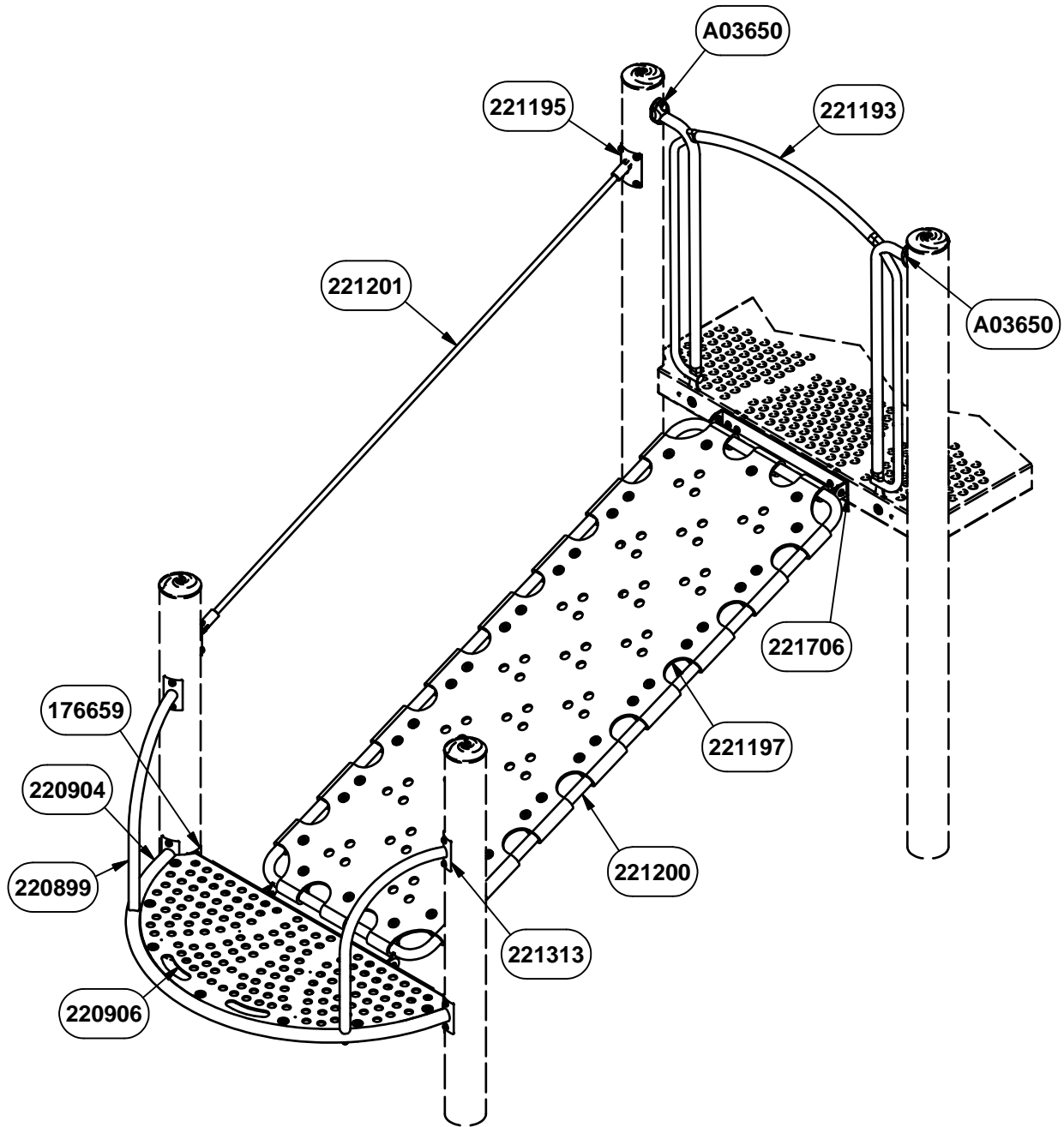
INSTALLATION INSTRUCTIONS

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

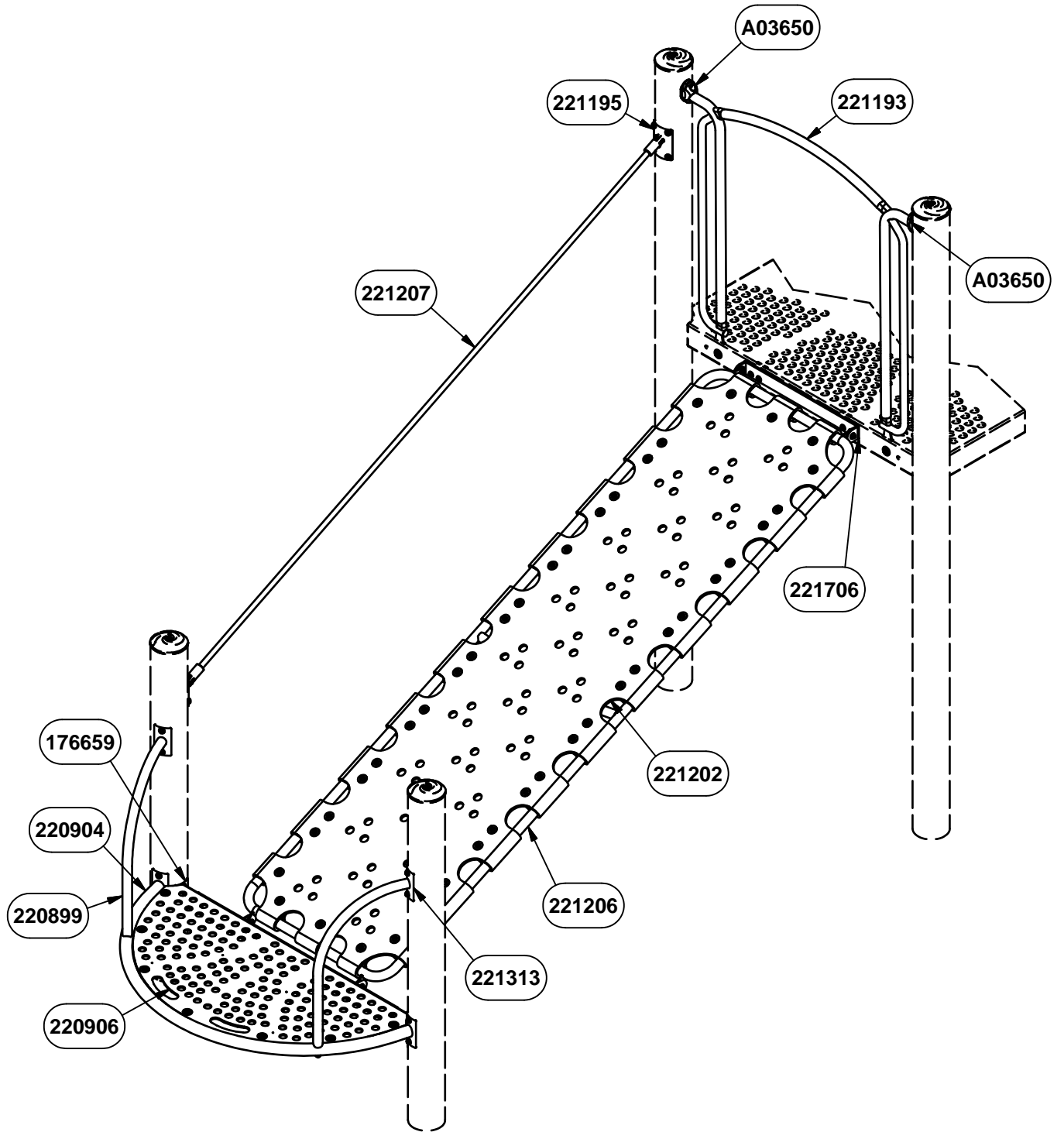
ASSEMBLY VIEW

91688 SHOWN

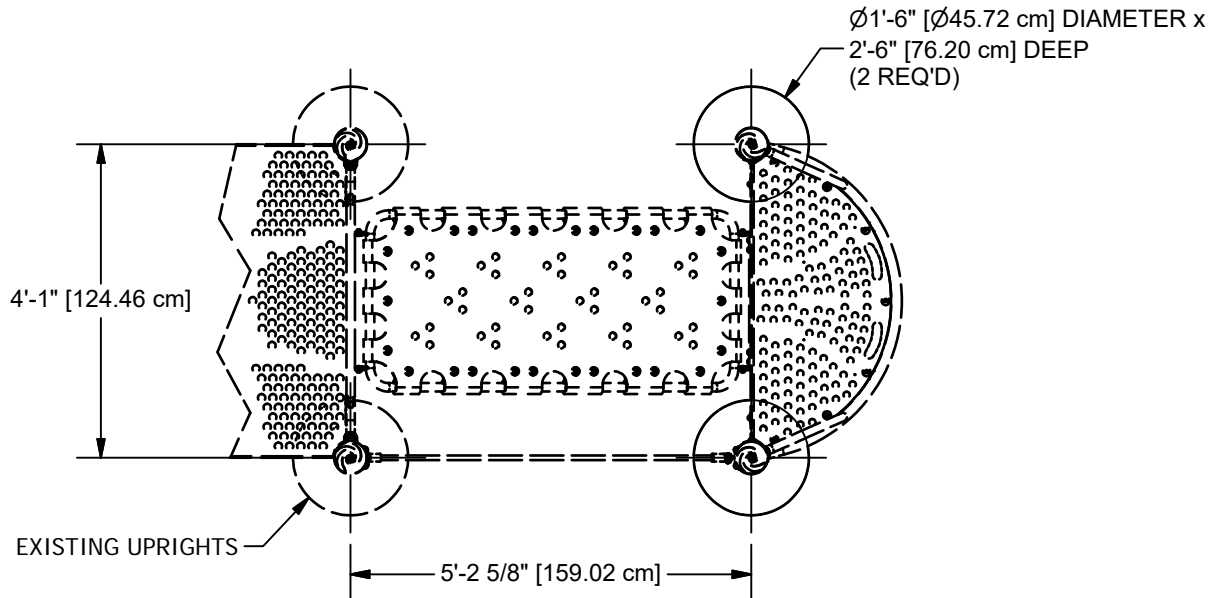
91689 SIMILAR



ASSEMBLY VIEW
91690 SHOWN
91691 SIMILAR



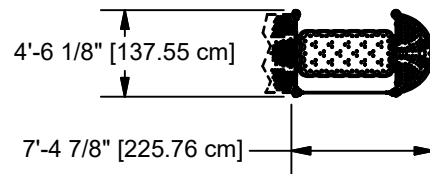
ASSEMBLY VIEW
 91692 SHOWN



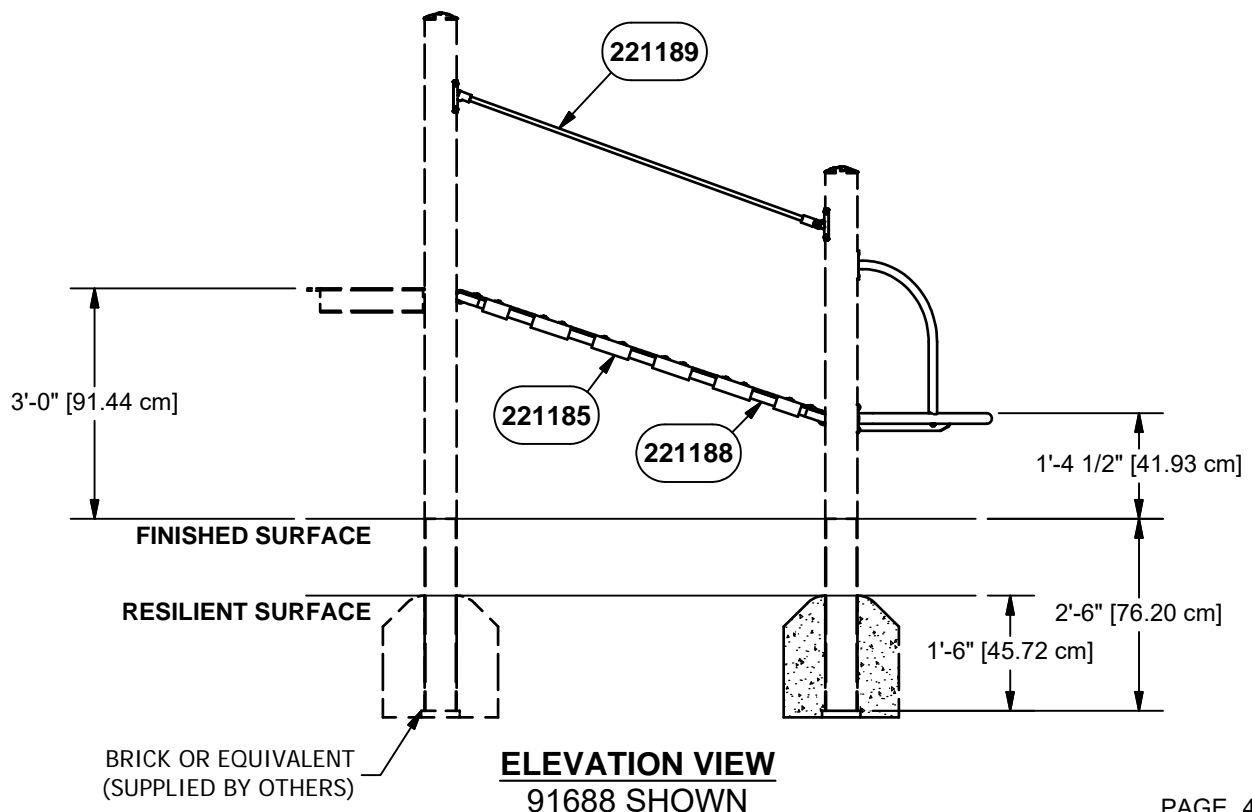
PLAN VIEW
91688 SHOWN

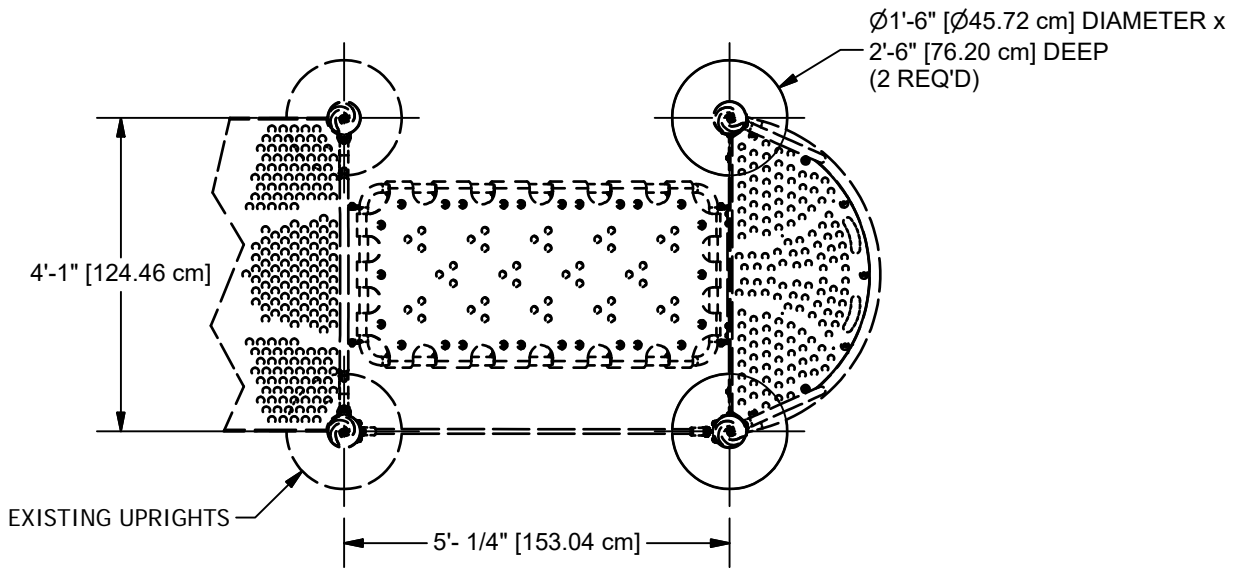
CONCRETE REQUIRED:
.20 CUBIC YARDS
[.15 CUBIC METERS]

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



TOP VIEW
91688 SHOWN

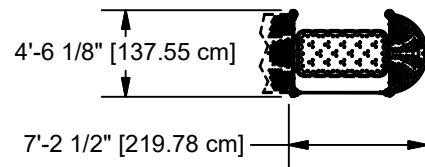




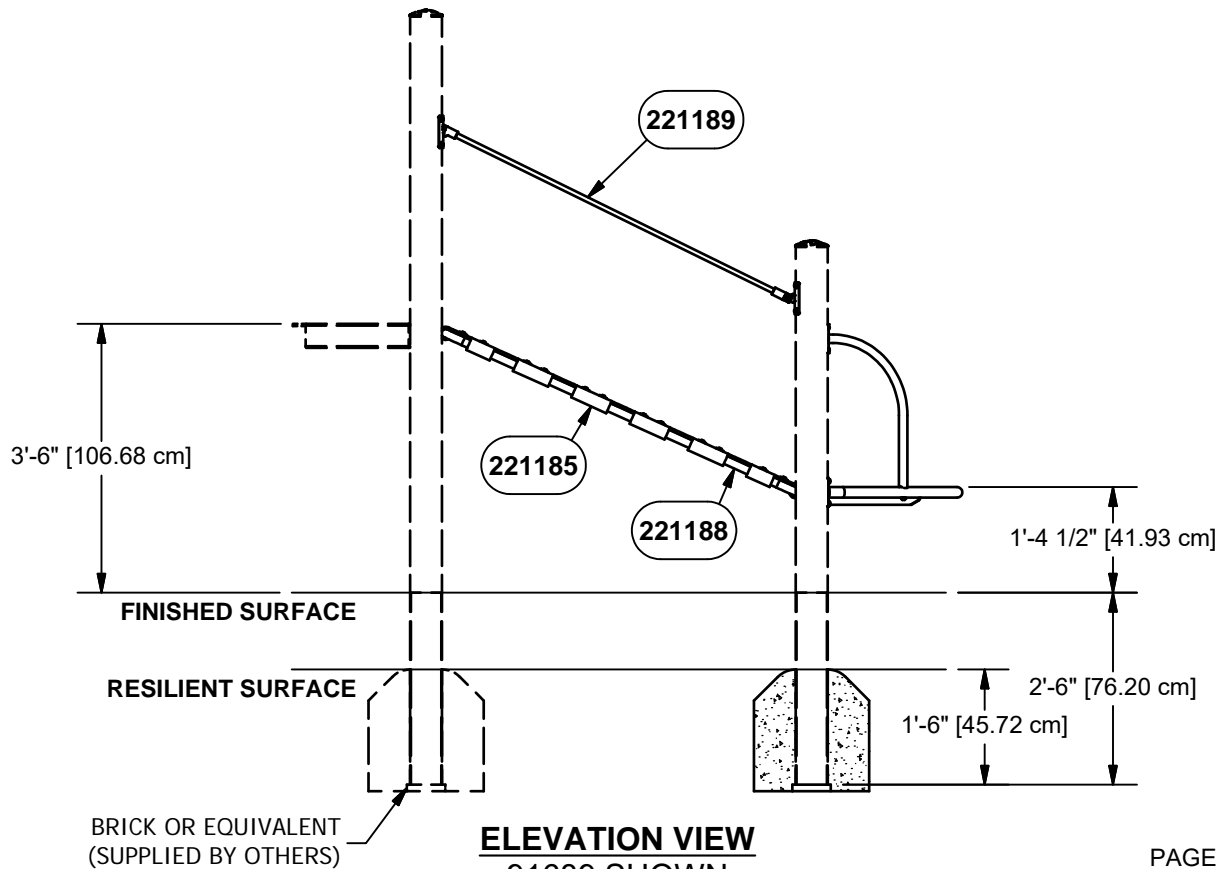
PLAN VIEW
91689 SHOWN

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

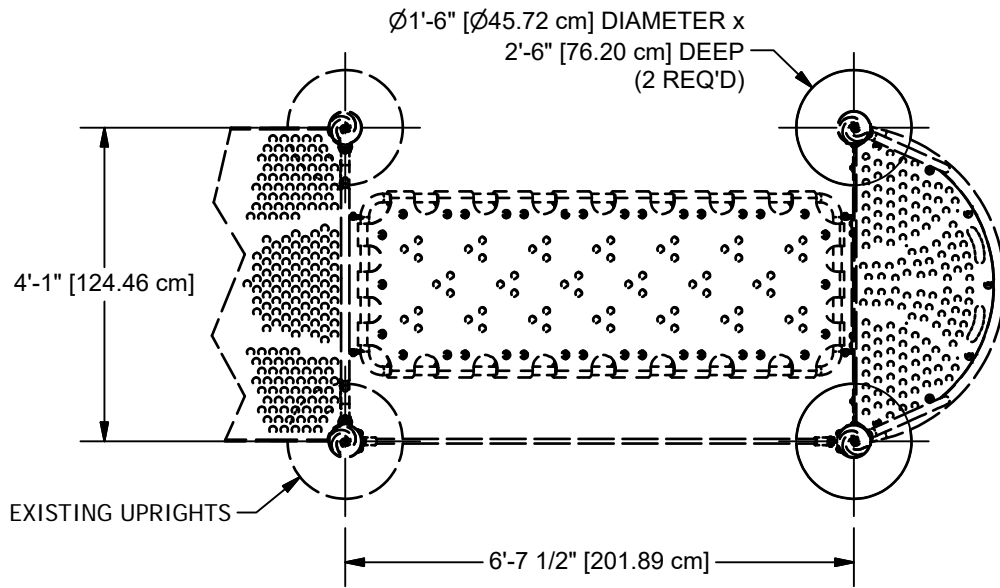
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
91689 SHOWN



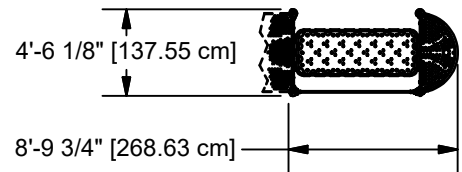
ELEVATION VIEW
91689 SHOWN



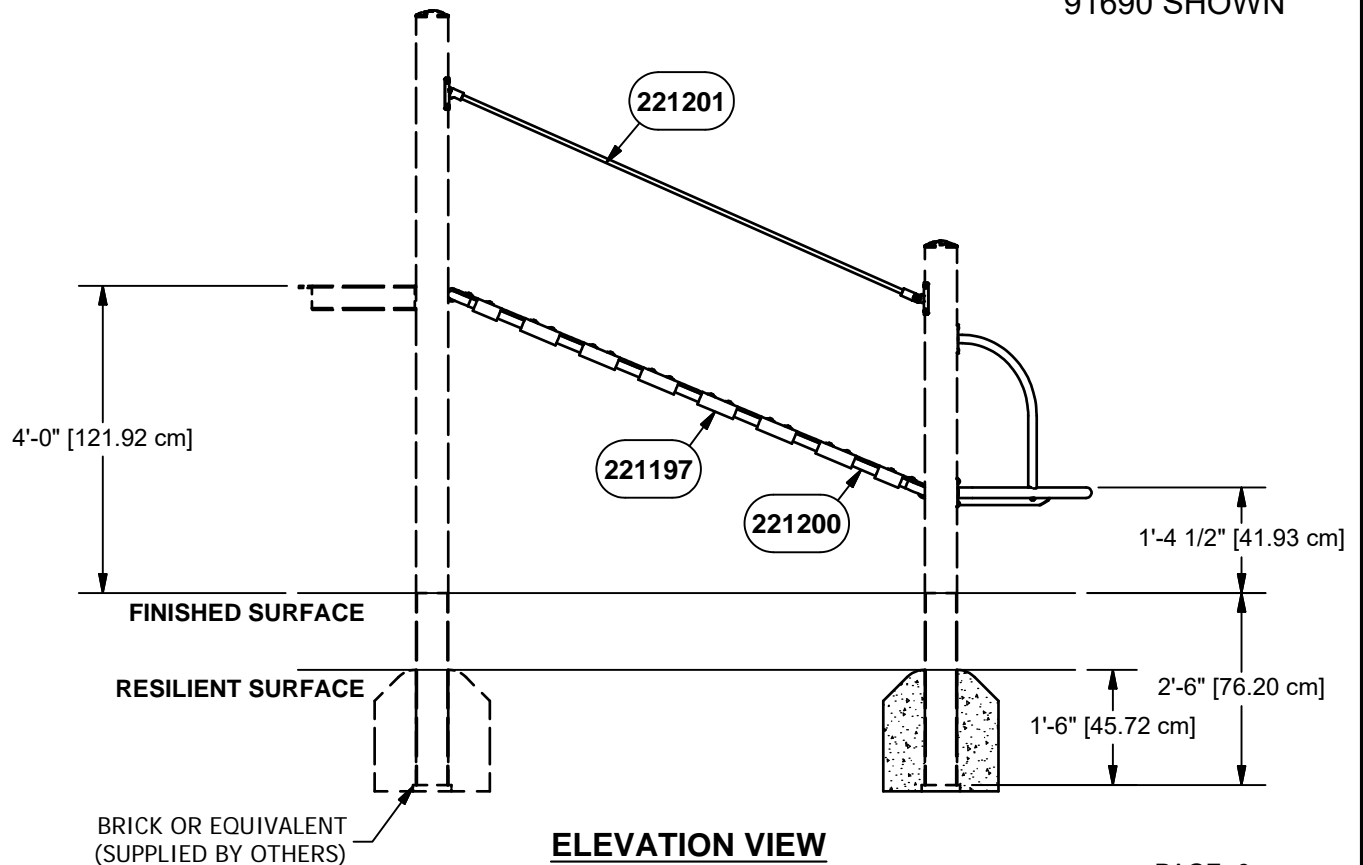
PLAN VIEW
91690 SHOWN

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

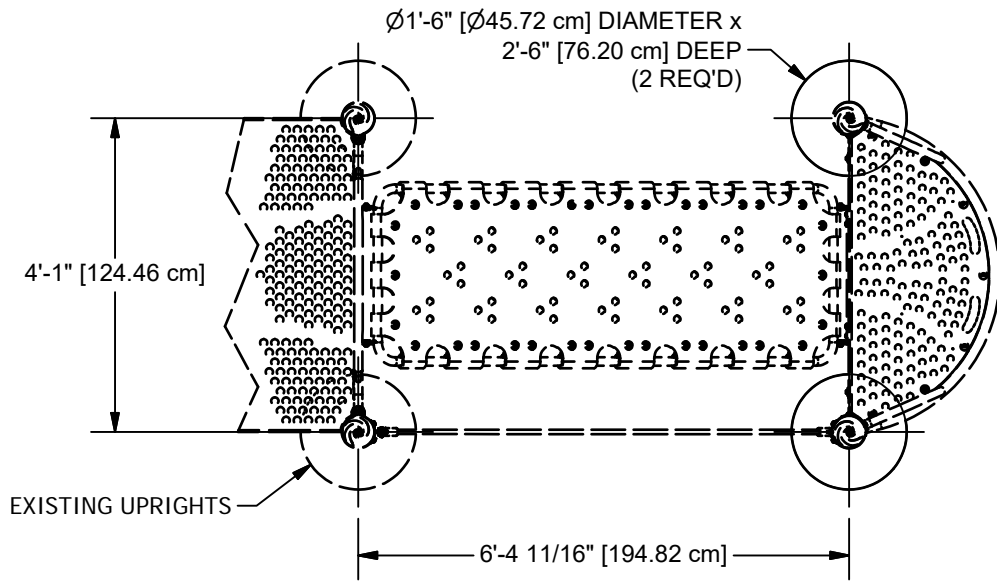
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
91690 SHOWN



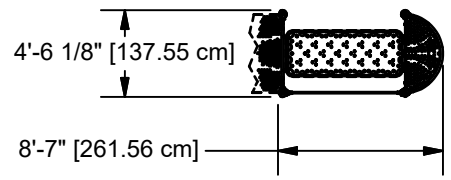
ELEVATION VIEW
91690 SHOWN



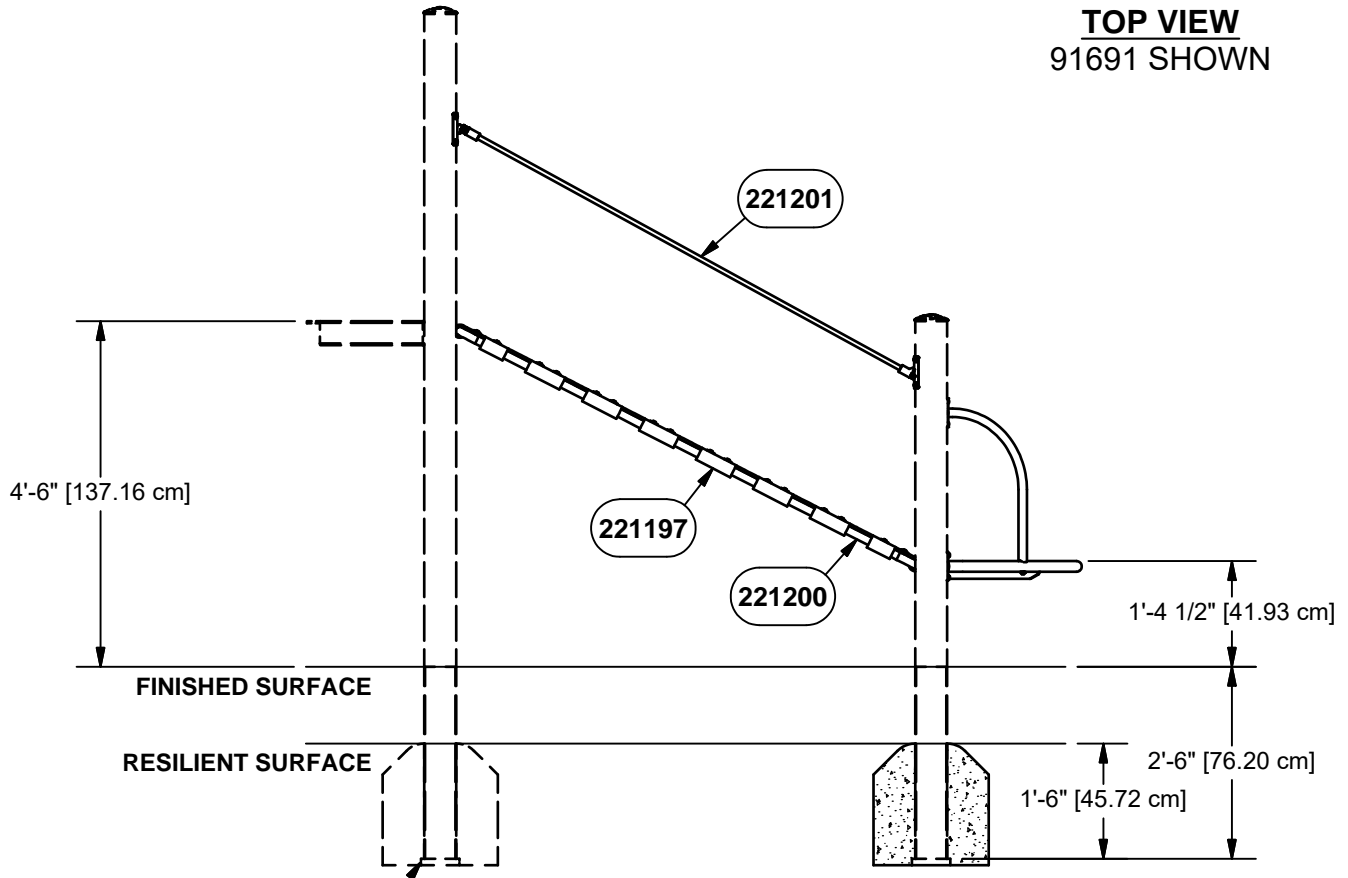
PLAN VIEW
91691 SHOWN

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

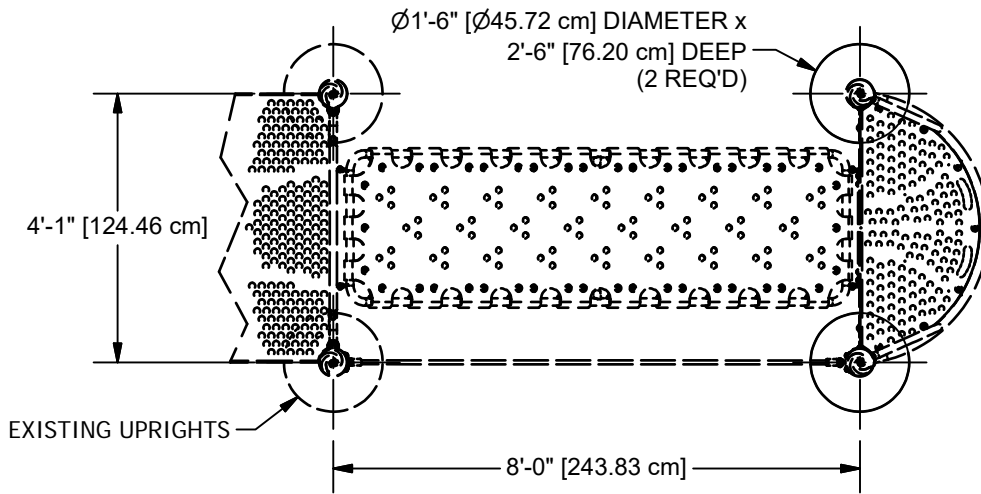
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
91691 SHOWN



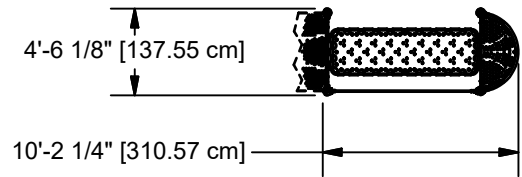
ELEVATION VIEW
91691 SHOWN



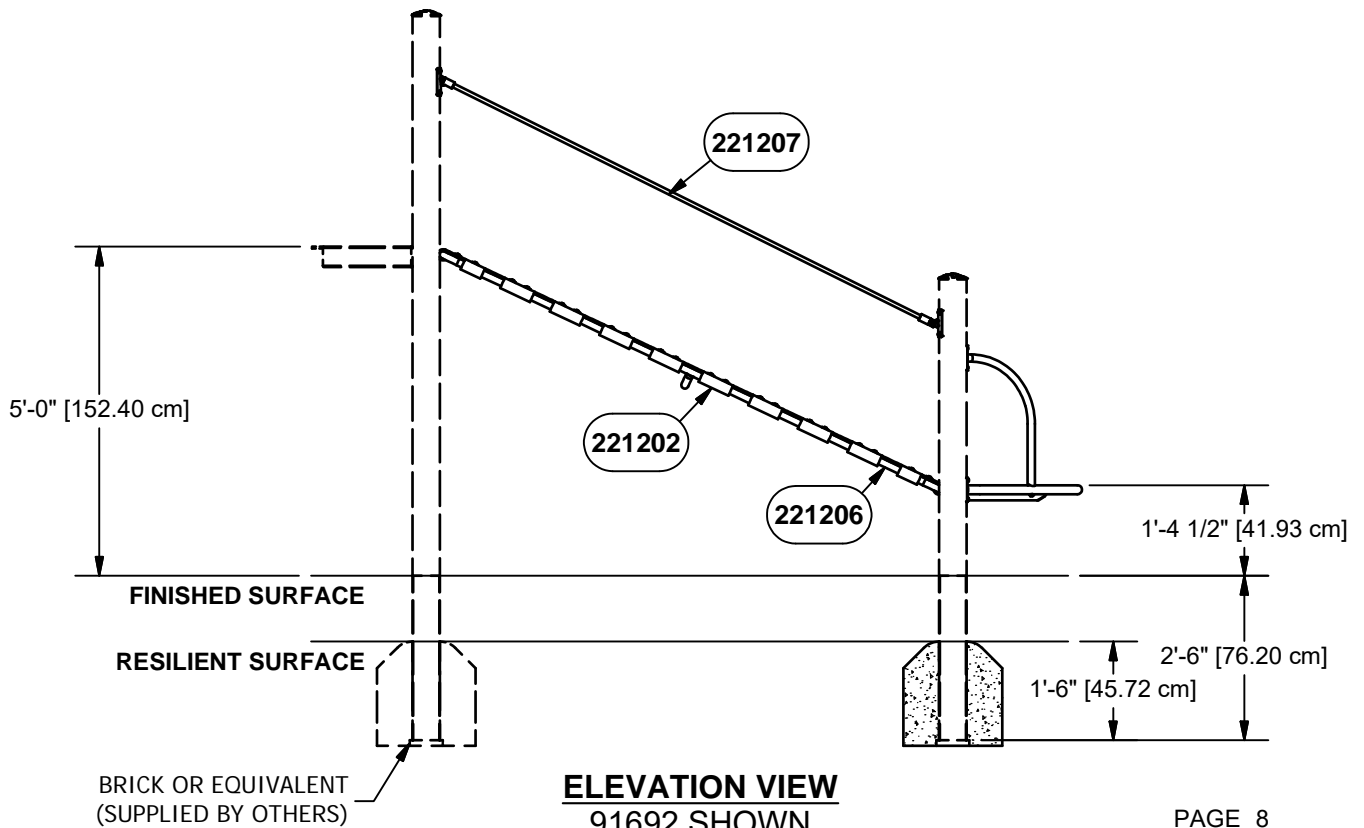
PLAN VIEW
91692 SHOWN

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

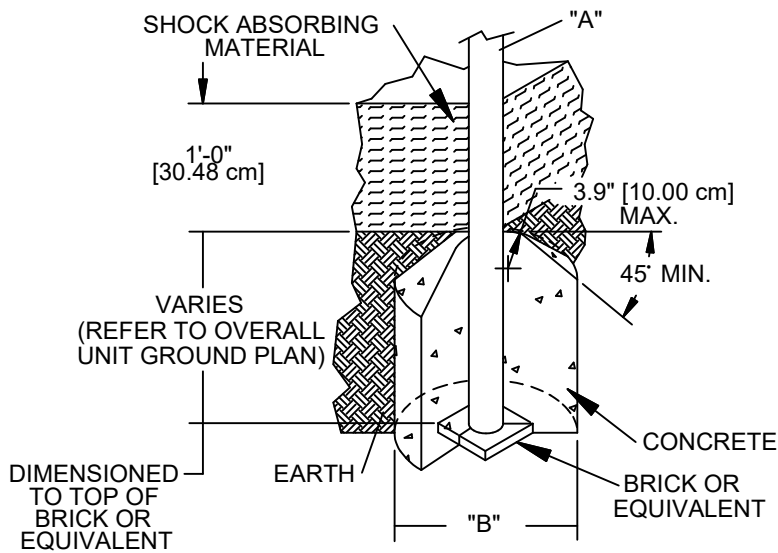
NOTE: HOLE DEPTHS INDICATED ON ALL
 GROUND PLANS ARE MEASURED FROM
 THE FINISHED SURFACE. ALL FOOTING
 DIMENSIONS ARE BASED ON LEVEL
 FINISHED SURFACE.



TOP VIEW
91692 SHOWN



ELEVATION VIEW
91692 SHOWN



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

NOTES:

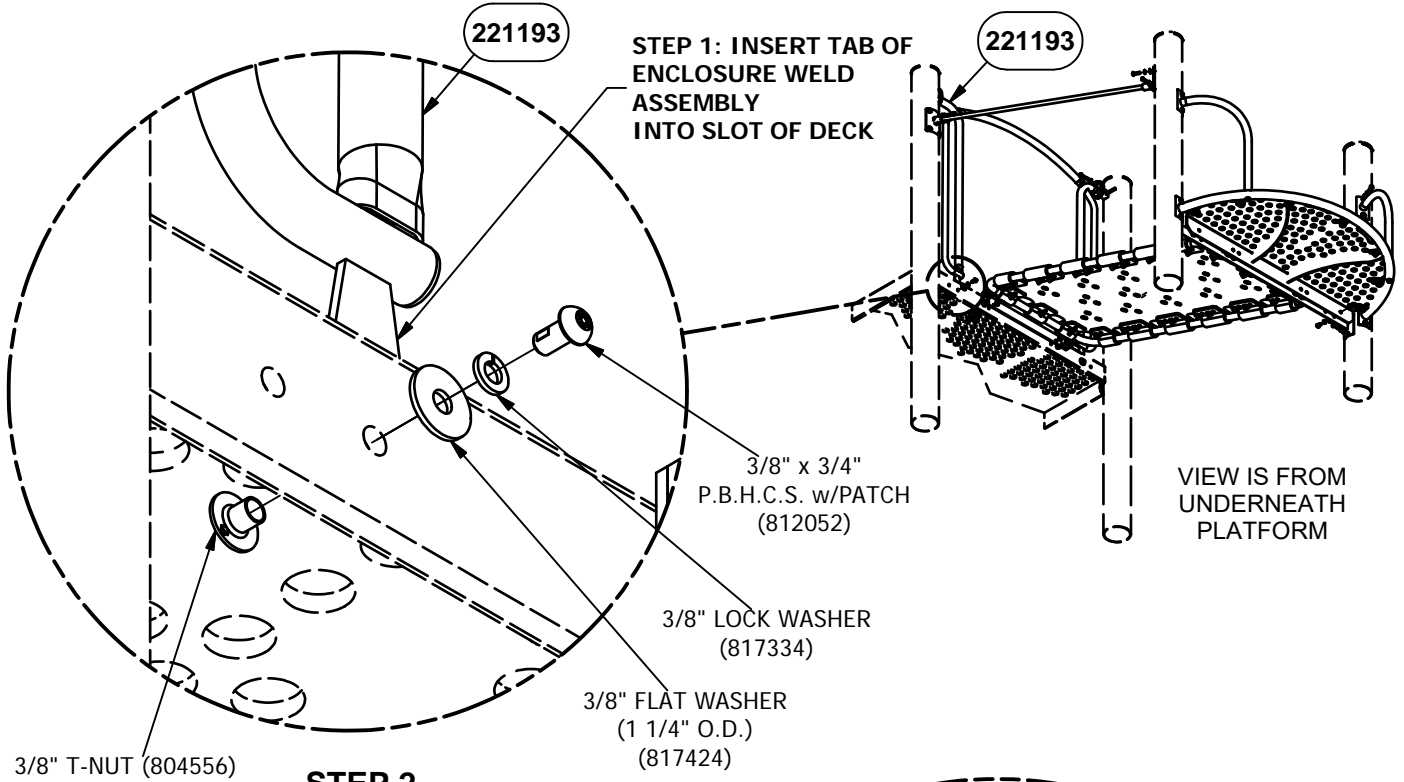
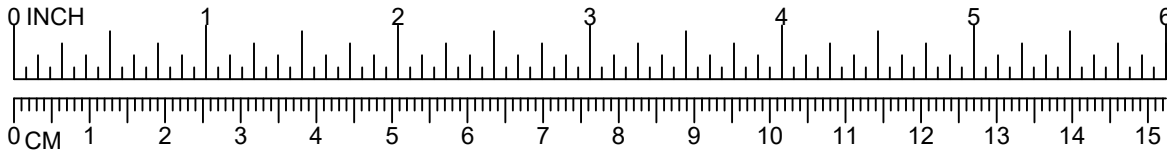
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

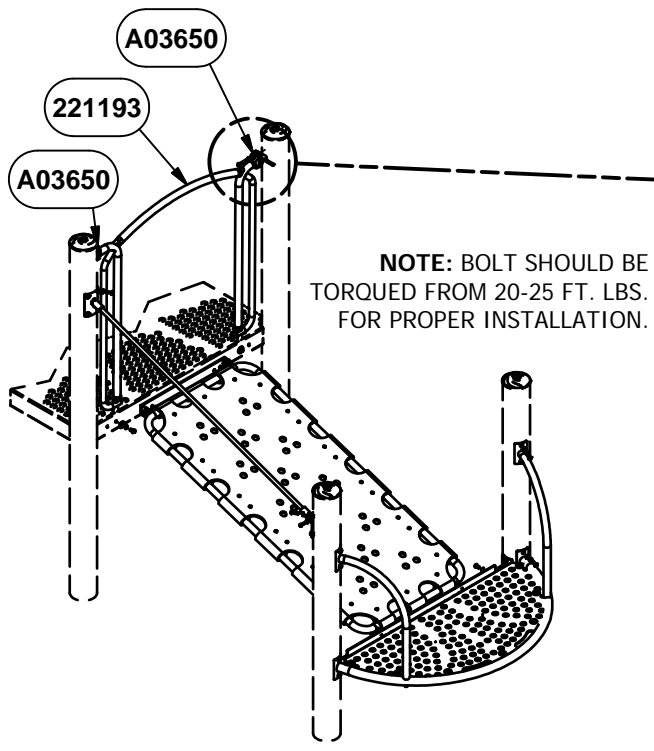
FOOTING DETAIL

MAINTENANCE PROCEDURE:

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



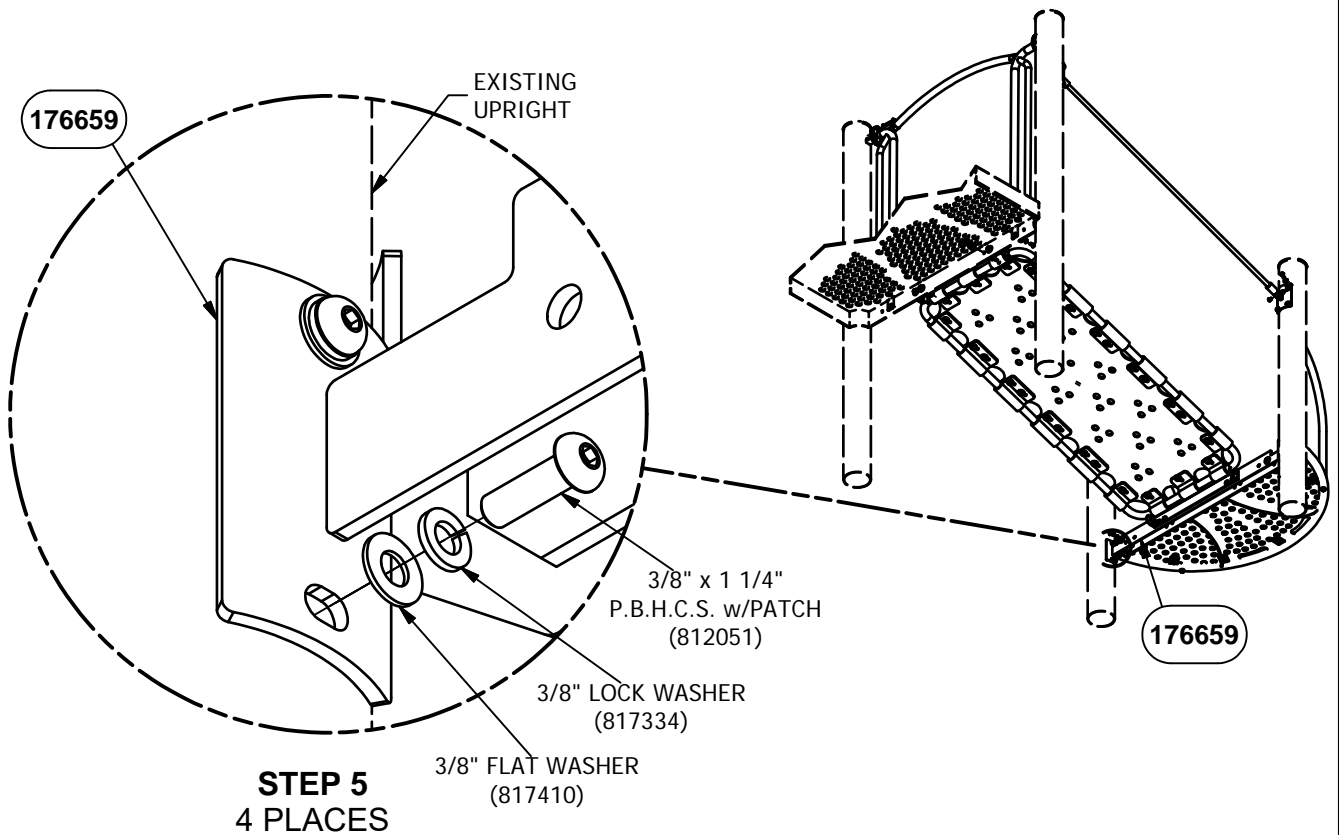
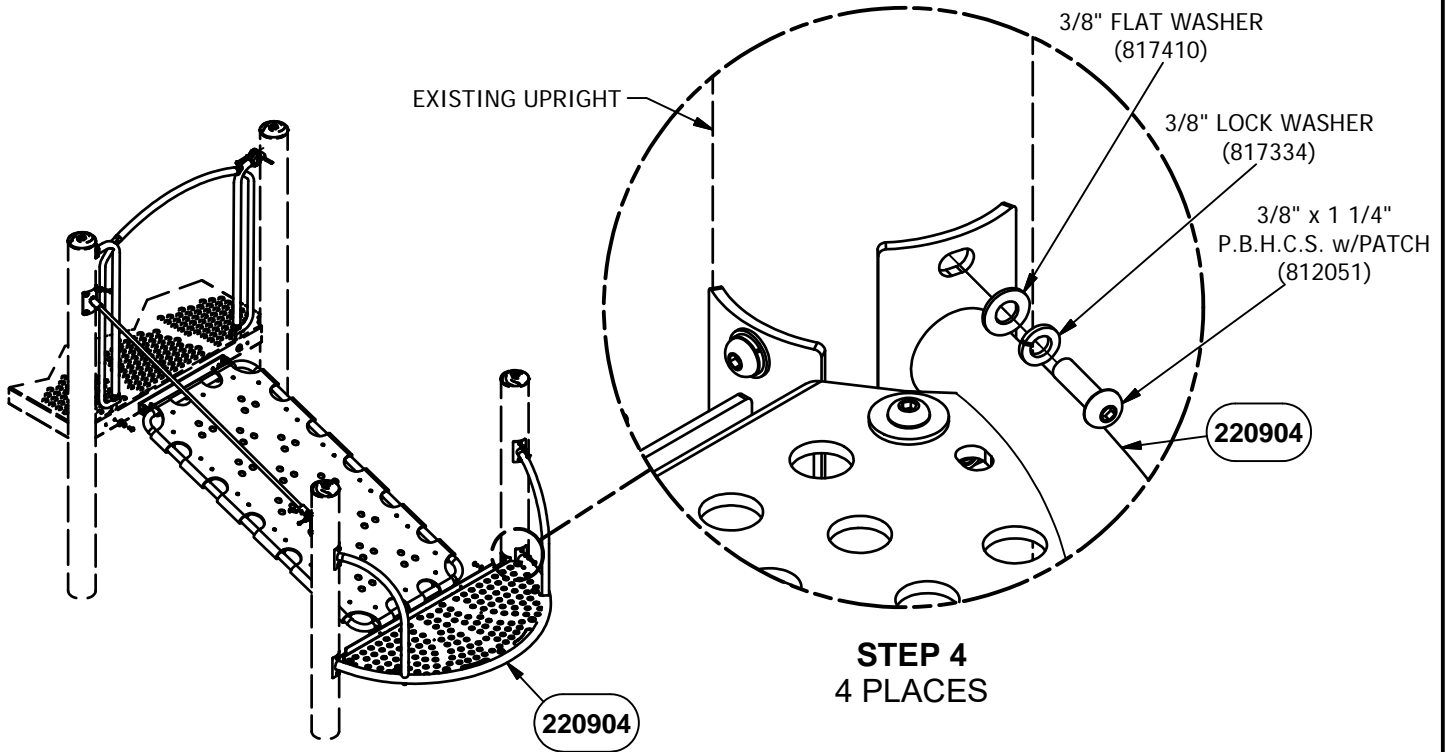
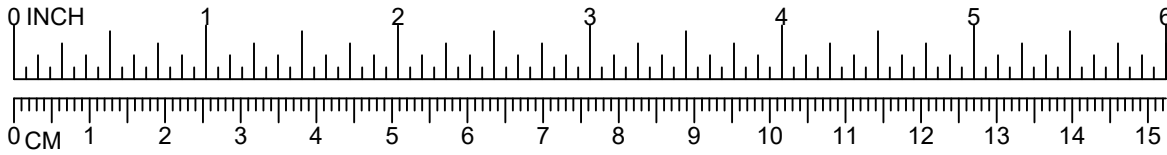
**STEP 2
2 PLACES**



**STEP 3
2 PLACES**

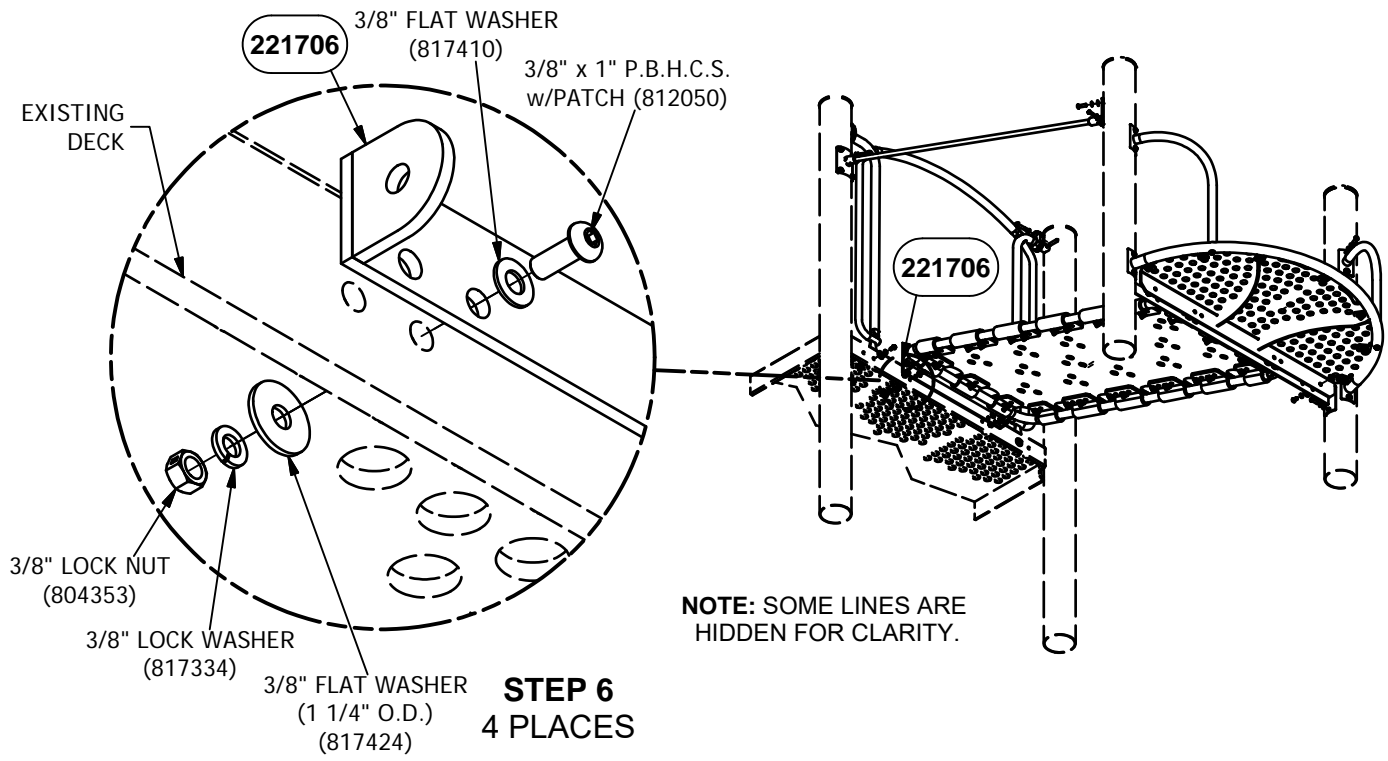
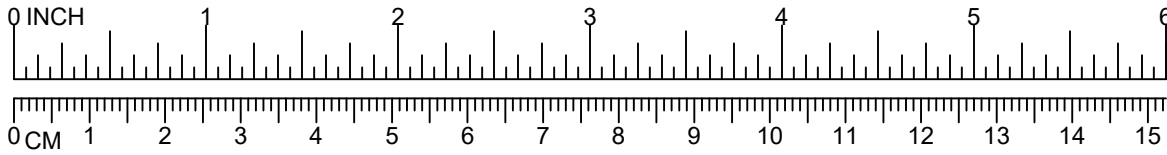
DETAIL VIEW

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

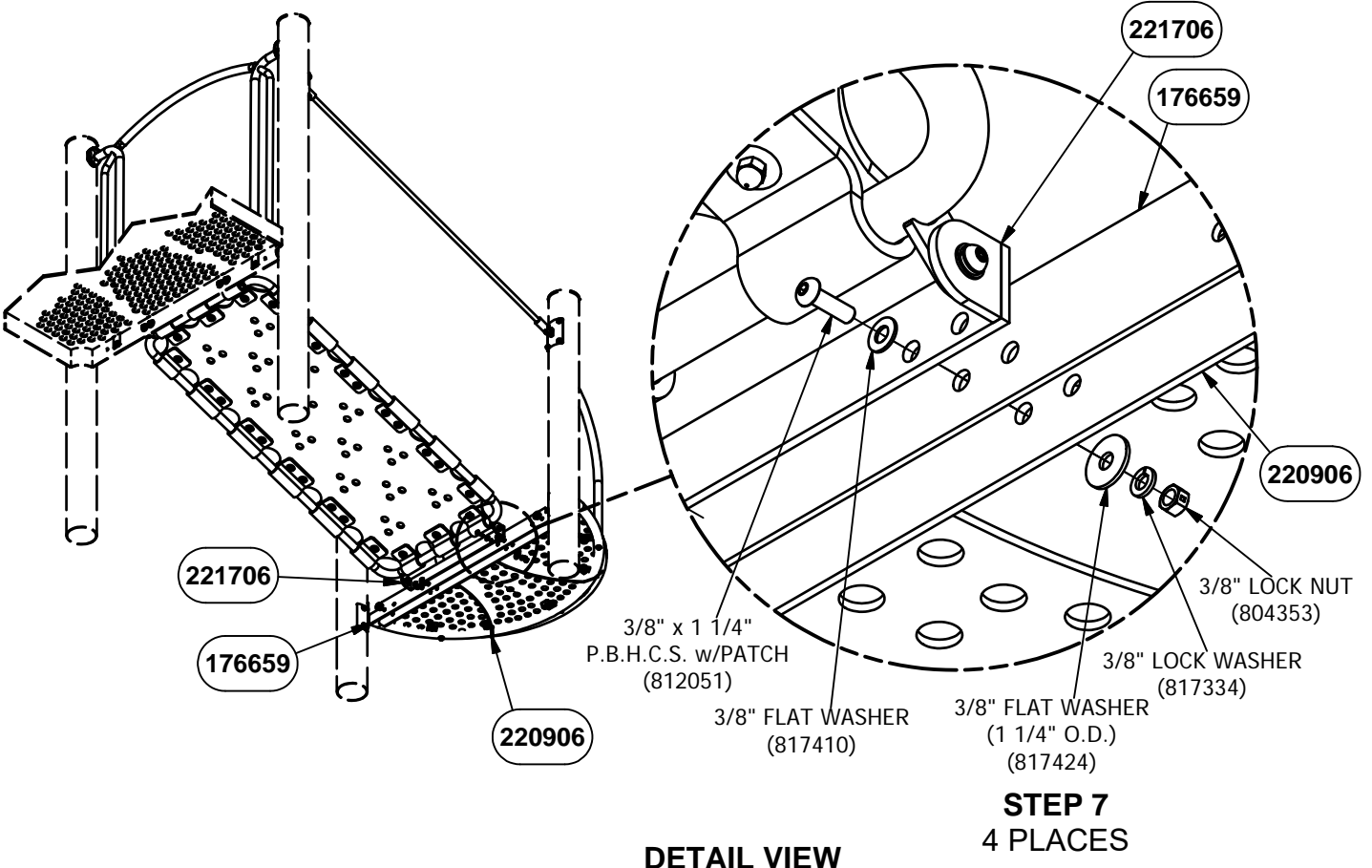


DETAIL VIEW

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

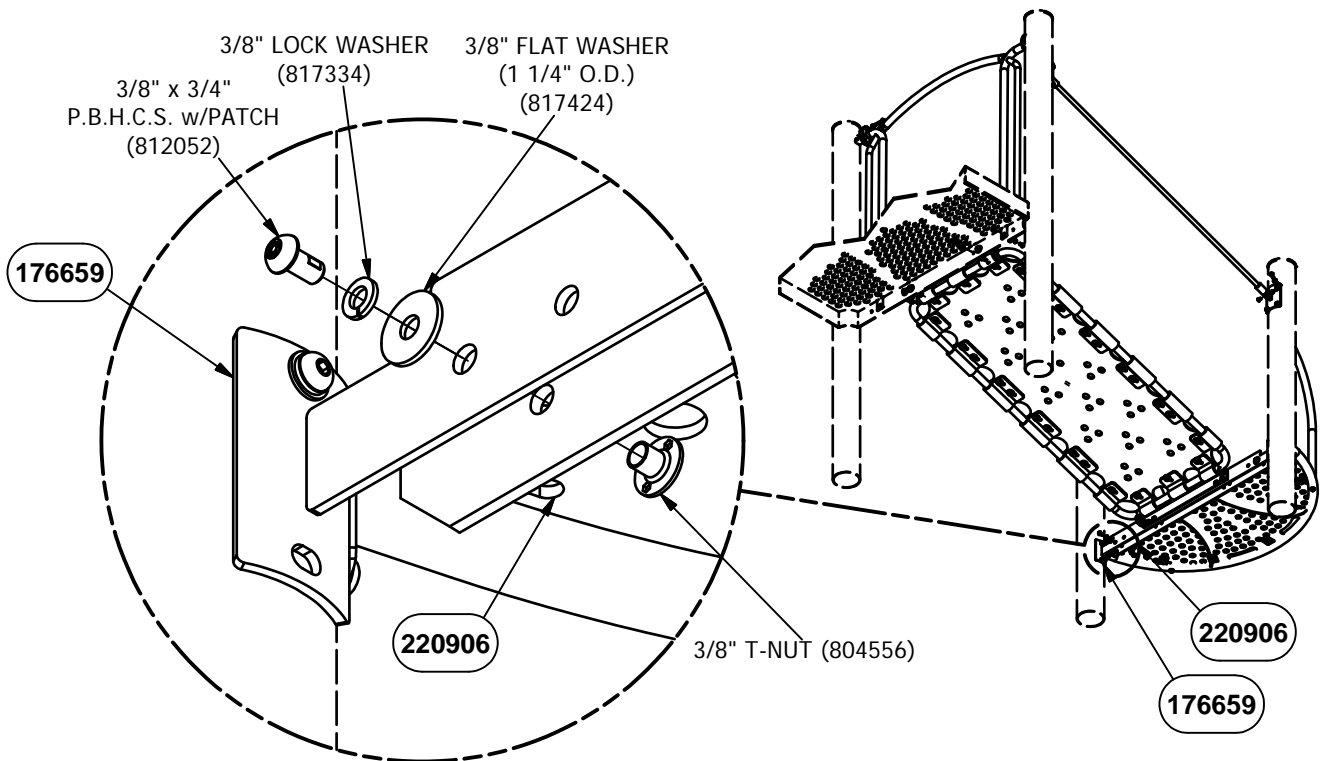
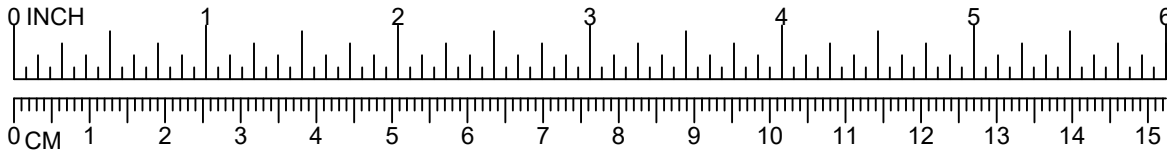


NOTE: SOME LINES ARE HIDDEN FOR CLARITY.

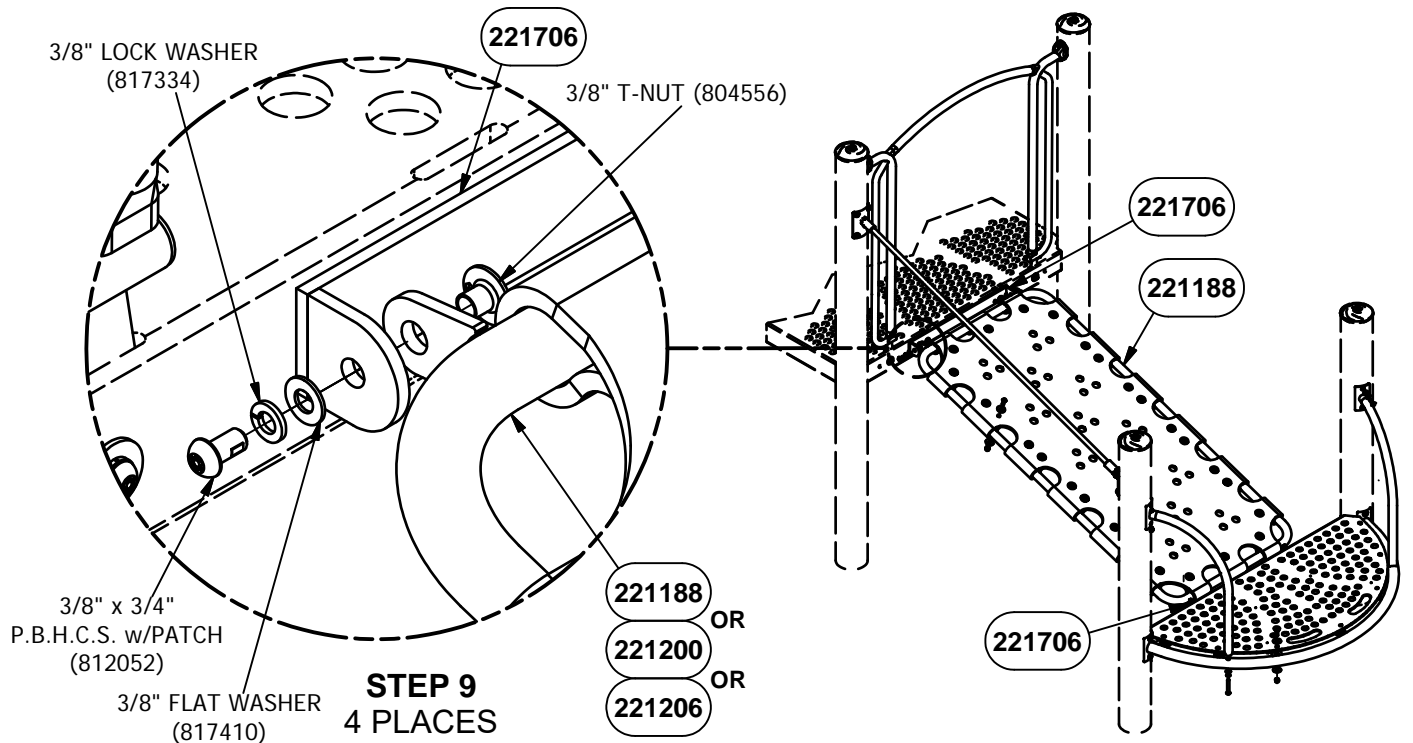


DETAIL VIEW

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



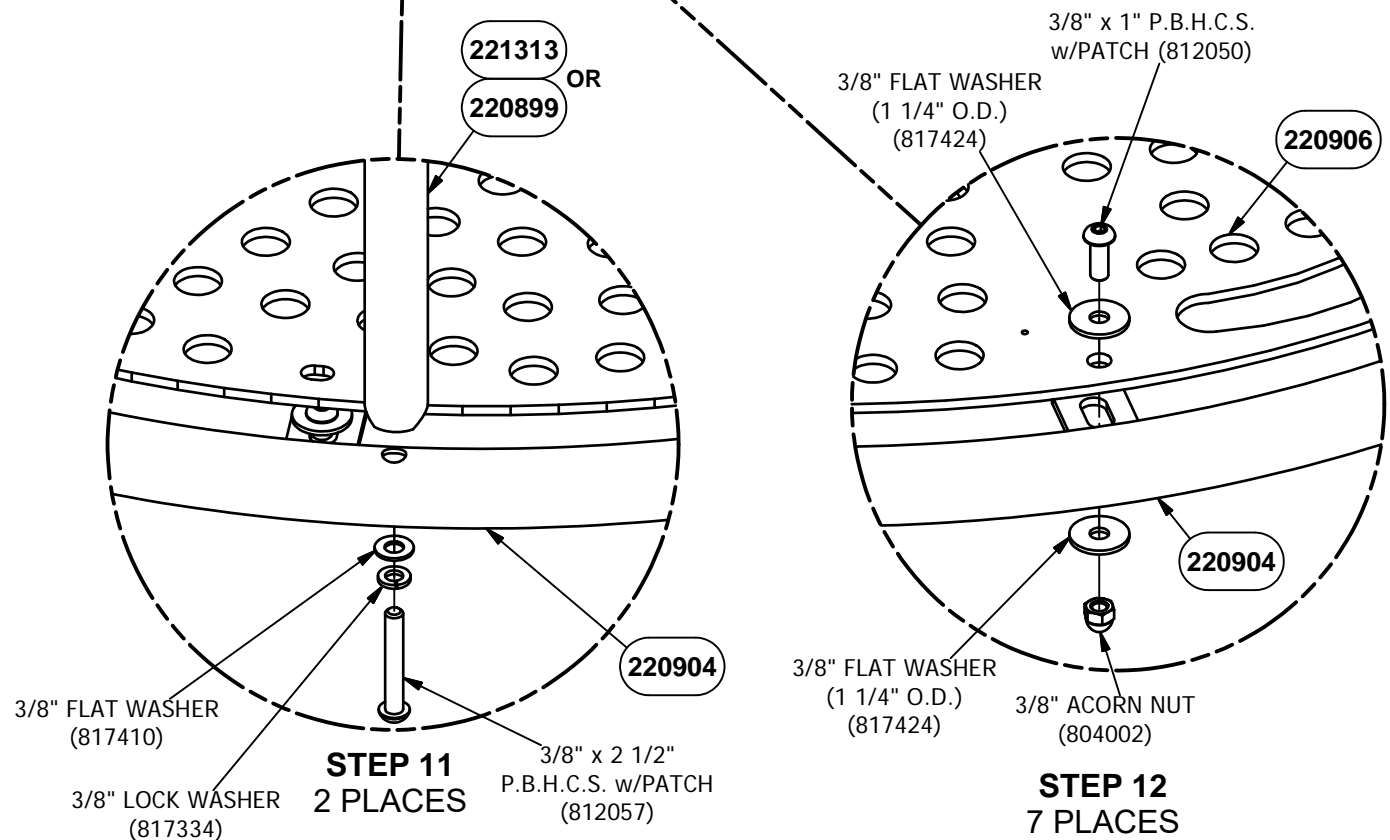
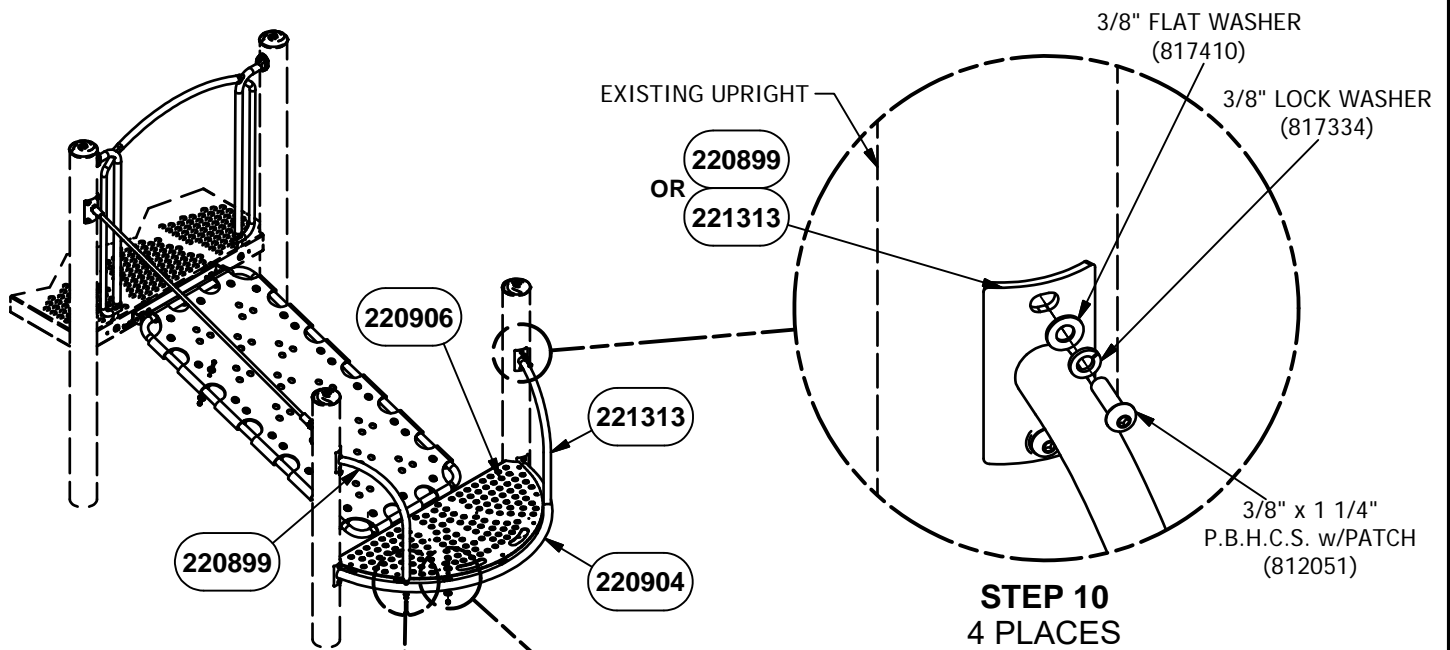
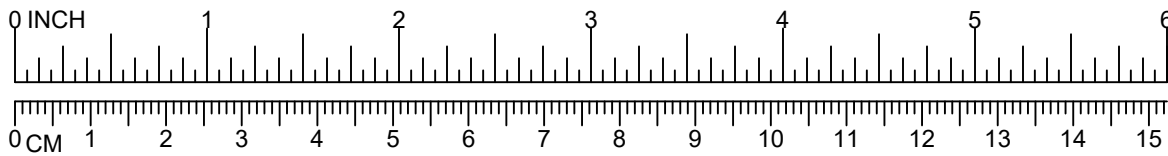
STEP 8
2 PLACES



STEP 9
4 PLACES

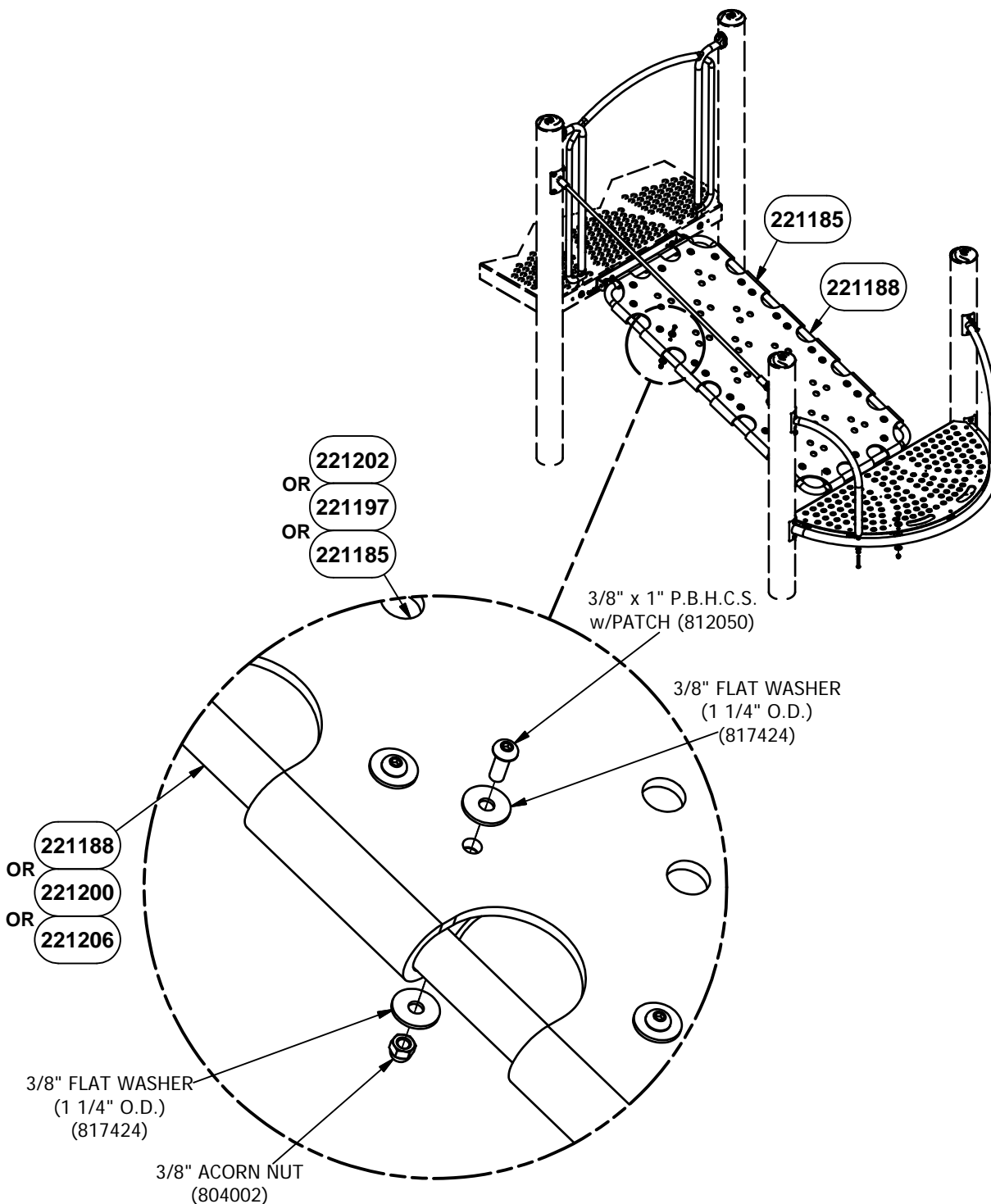
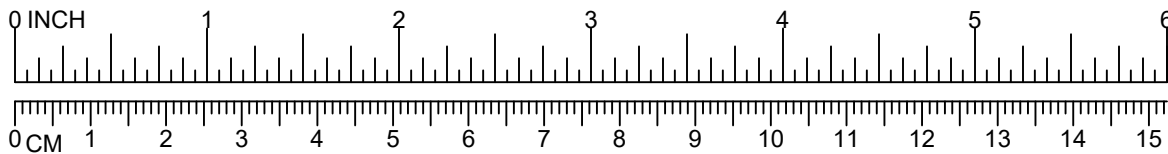
DETAIL VIEW

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



DETAIL VIEW

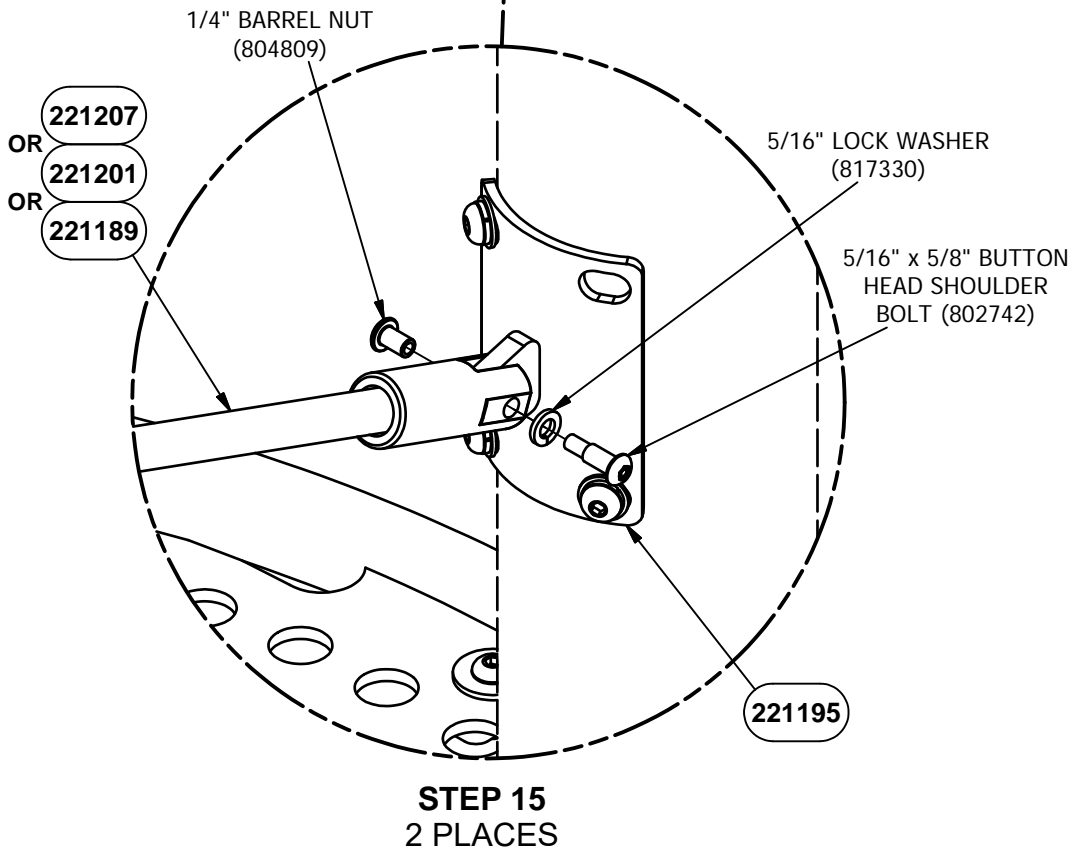
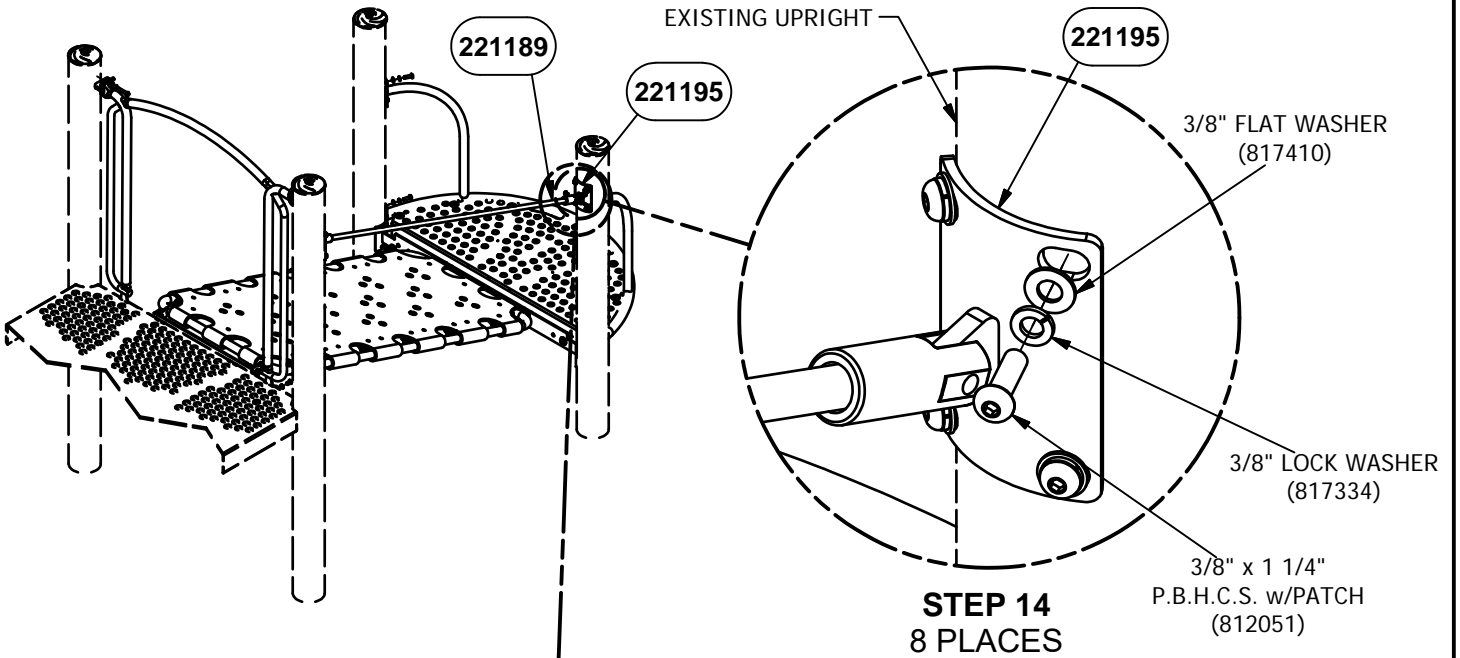
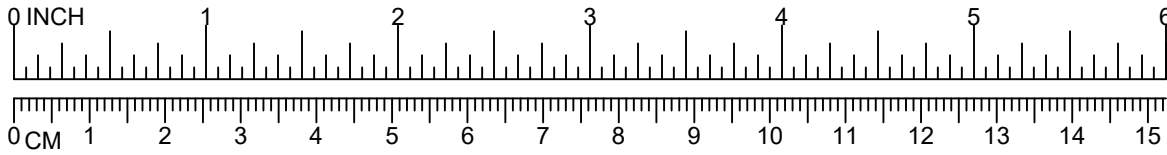
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



STEP 13
 26 PLACES 91688 & 91689
 34 PLACES 91690 & 91691
 42 PLACES 91692

DETAIL VIEW

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



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

DETAIL VIEW

Parts List						
DESCRIPTION	91688	91689	91690	91691	91692	PART NUMBER
SUPPORT ASSEMBLY	1	1	1	1	1	176659
MOUNTING BRACKET WELD ASSEMBLY	2	2	2	2	2	221706
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	1	220899
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	1	221313
PLATFORM SUPPORT WELD ASSEMBLY	1	1	1	1	1	220904
COATED PLATFORM	1	1	1	1	1	220906
TRANSFER WELD ASSEMBLY	1	1	0	0	0	221188
TRANSFER WELD ASSEMBLY	0	0	1	1	0	221200
TRANSFER WELD ASSEMBLY	0	0	0	0	1	221206
ENCLOSURE WELD ASSEMBLY	1	1	1	1	1	221193
TAB WELD ASSEMBLY	2	2	2	2	2	221195
RUBBER MAT	1	1	0	0	0	221185
RUBBER MAT	0	0	1	1	0	221197
RUBBER MAT	0	0	0	0	1	221202
HAND GUIDE ASSEMBLY	1	1	0	0	0	221189
HAND GUIDE ASSEMBLY	0	0	1	1	0	221201
HAND GUIDE ASSEMBLY	0	0	0	0	1	221207
TRU-LOC	2	2	2	2	2	A03650
HARDWARE COMPLETE	1	1	0	0	0	221196
HARDWARE COMPLETE	0	0	1	1	0	221208
HARDWARE COMPLETE	0	0	0	0	1	221209
1/4" BARREL NUT	2	2	2	2	2	804809*
5/16" x 5/8" BUTTON HEAD SHOULDER BOLT	2	2	2	2	2	802742*
5/16" LOCK WASHER	2	2	2	2	2	817330*
3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	8	8	8	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	37	37	45	45	53	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	24	24	24	24	24	812051*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812055*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812057*
3/8" FLAT WASHER (1 1/4" O.D.)	78	78	94	94	110	817424*
3/8" FLAT WASHER	34	34	34	34	34	817410*
3/8" LOCK WASHER	40	40	40	40	40	817334*
3/8" ACORN NUT	33	33	41	41	49	804002*
3/8" T-NUT	8	8	8	8	8	804556*
3/8" LOCK NUT	8	8	8	8	8	804353*
ALUM. PIN	2	2	2	2	2	203568*

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

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

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

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

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

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116802 - ADVENTURE PLAYGROUND EQUIPMENT

Reference Sheets:PG-100, PG-101, PG-102, PG-103, PG-104 for site plan layout and images of playground.

- 1 0310LD 9' Sky Bridge (See spec 16730)
- 1 0449LD Funnel Crows Nest w Telescope (See spec 91135)
- 1 0450LD Enclosure (Timbers) (See spec 91149)
- 1 0451LD Entryway (Timbers) (See spec 91150)
- 2 0454LD Slant Hex Rood Ext (72" w cap) (See spec 91216)
- 4 0455LD Slant Hex Roof Ext (36" w cap) (See spec 91216)
- 4 0456LD Slant Hex Rood Ext (72" w cap) (See spec 91216)
- 1 0459LD Transfer System (Timbers)(4'Rise) (See spec 91200)
- 1 0461LD Enclosure (Timbers) w solid steering (See spec 91338)
- 1 14927 NDS Play On Sign Package (See spec 14926)
- 1 38111 Tree Stump
- 2 5694SP 10' Hillside Slide
- 1 5700RP Playcast Critters Post Mount
- 1 5703RP Critter Panel
- 1 5956SP VistaAdventure Course 6
- 2 6094SP Half Play Sphere, Standard 14" (See spec 6094SP)
- 3 6095SP Full Play Sphere, Standard 14"(See spec 6094SP)
- 4 6096SP Half Play Sphere, Standard 20"(See spec 6094SP)
- 2 6098SP Half Play Sphere, Standard 28"(See spec 6094SP)
- 1 6224SP Hillside Tug Rope w/ Handholds
- 1 6225SP Hillside Tug Rope Add-A-Span (See spec 6224SP)
- 1 6263 Inclusive Whirl - Natural
- 1 6554SP Maracabasa Wall Mount
- 1 6557SP 3 in a Row Wall Mount
- 1 6558SP Giggle Box Sensor 20" Wall Mount
- 1 6561SP Metallophone Wall Mount
- 1 6689RP Timber Bubble Panel

5	80000	49" Sq Punched Steel Deck
8	80001	49"Tri Punched Steel Deck (See spec 80000)
1	80082	Slide Transfer
1	80687	Handhold/Kick Plate Pkg
1	80820	Balustrade Encl
2	81666	Fun Seat
1	81669	Hand Cyclor
1	81670	Crunch Bar
1	81688	Therapeutic Rings Attch
1	81766	Leaf Seat
1	90004	Two Piece Hex Deck
1	90113	Flower Talk Tube 6'6" To 8'0" (2 To (See spec 90011)
1	90174	Flower Talk Tube Gr Lvl Attach (2-5)
1	90189	Ganza Panel
1	90193	2-6"/3' Single Curved Zip Slide
1	90264	6' Upright, Alum (Cut sheet not available)
3	90266	8' Upright, Alum (Cut sheet not available)
1	90267	9' Upright, Alum (Cut sheet not available)
2	90268	10' Upright, Alum (Cut sheet not available)
2	90269	11' Upright, Alum (Cut sheet not available)
4	90270	12' Upright, Alum (Cut sheet not available)
4	90271	13' Upright, Alum (Cut sheet not available)
5	90272	14' Upright, Alum (Cut sheet not available)
1	90273	15' Upright, Alum (Cut sheet not available)
1	90322	1'-6"/2' Rung Ladder
1	90371	4'/5' Climbing Pole (Spec 90370)
2	90396	2' Rung Kickplate (See spec 90395)
1	90475	Rain Wheel Panel
1	90476	Rung Enclosure W/Guardrail, Above Dk
1	90508	4' Double Zip Slide, Std Dk (See spec 90507)

- 2 90525 Half Panel W/Thunderring
- 1 90610 Contoured Panel (Above)
- 2 91139 Entryway - Barrier
- 3 91146 Entryway – Guardrail (See spec 91139)
- 2 91150 Entryway - Timbers
- 1 91157 Archway W/ Socket - Timbers
- 1 91179 4' 0" Transfer Platform – Timbers (See spec 91178)
- 1 91180 5' 0" Transfer Platform – Timbers (See spec 91178)
- 1 91201 2' 0" Transfer System – Timbers (See spec 91200)
- 2 91215 Slant Roof – Timbers (See spec 91214)
- 4 91221 66" Slant Roof Extension - Timbers
- 1 91269 Sprout Climber
- 1 91327 Big Stump Climber
- 1 91333 Climber Offset Entryway (Timbers)
- 2 91340 Timbers Enclosure W/ Thunderring (Above) (See spec 91336)
- 1 91602 HDPE Vertical Ladder 3'0" (See spec 91599)
- 1 91638 9' WilderTube "L"
- 2 91659 49" Square Deck 9'
- 6 91660 49" Triangle Deck 9' (See spec 91659)
- 1 91665 Trillium Climber 2'- 0" & 2'- 6"
- 8 91708 2'-0" In-Ground Ext. For 9' Platform
- 1 91711 Modern Transfer w/Guardrail 1' Rise
- 5 91721 Wayfinder Sign – Climb
- 3 91722 Wayfinder Sign – Slide (See spec 91721)
- 1 91724 Wayfinder Sign – Music (See spec 91721)
- 1 91725 Wayfinder Sign – Ramp (See spec 91721)
- 1 91741 Tic-Tac-Toe Panel
- 2 G90262 4' Upright, Galv (No cut sheet available)
- 1 G90269 11' Upright, Galv (No cut sheet available)

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TRADITIONAL PLAYGROUND EQUIPMENT

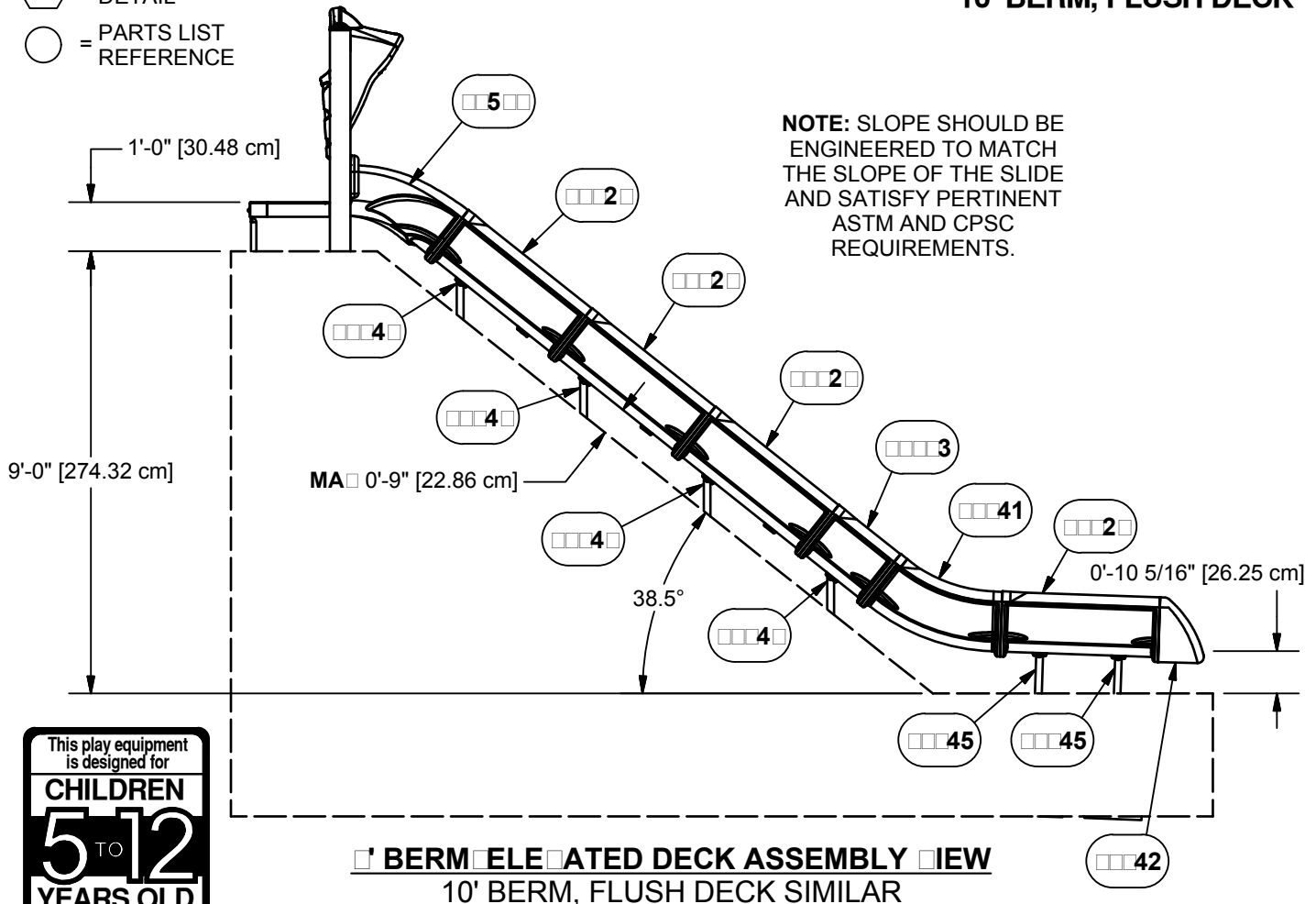
Basis of design playground equipment has been identified by technical drawings, product lists and equipment cut sheets, these are intended to establish a level of design aesthetics, range of play activities and components for a full turnkey playground equipment, this information is not intended to be or represented to be a full list of components and product identification and may vary. It is the responsibility of each bidder and manufacture to provide a full turnkey design and playground equipment equal to the basis of design as identified by the contract documents.

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10' HILLSIDE SLIDE

9' BERM, ELEVATED DECK
10' BERM, FLUSH DECK

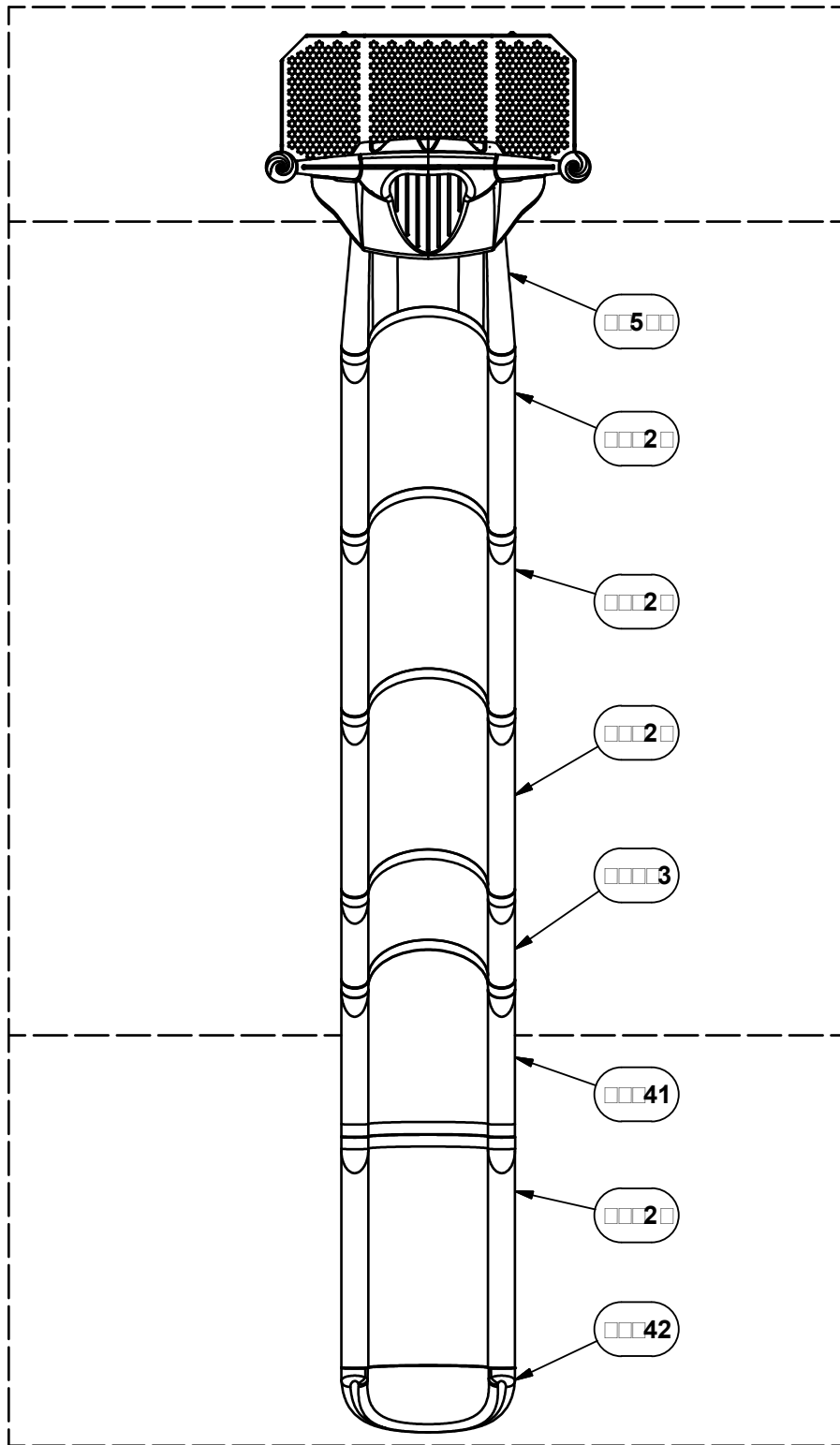
- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE



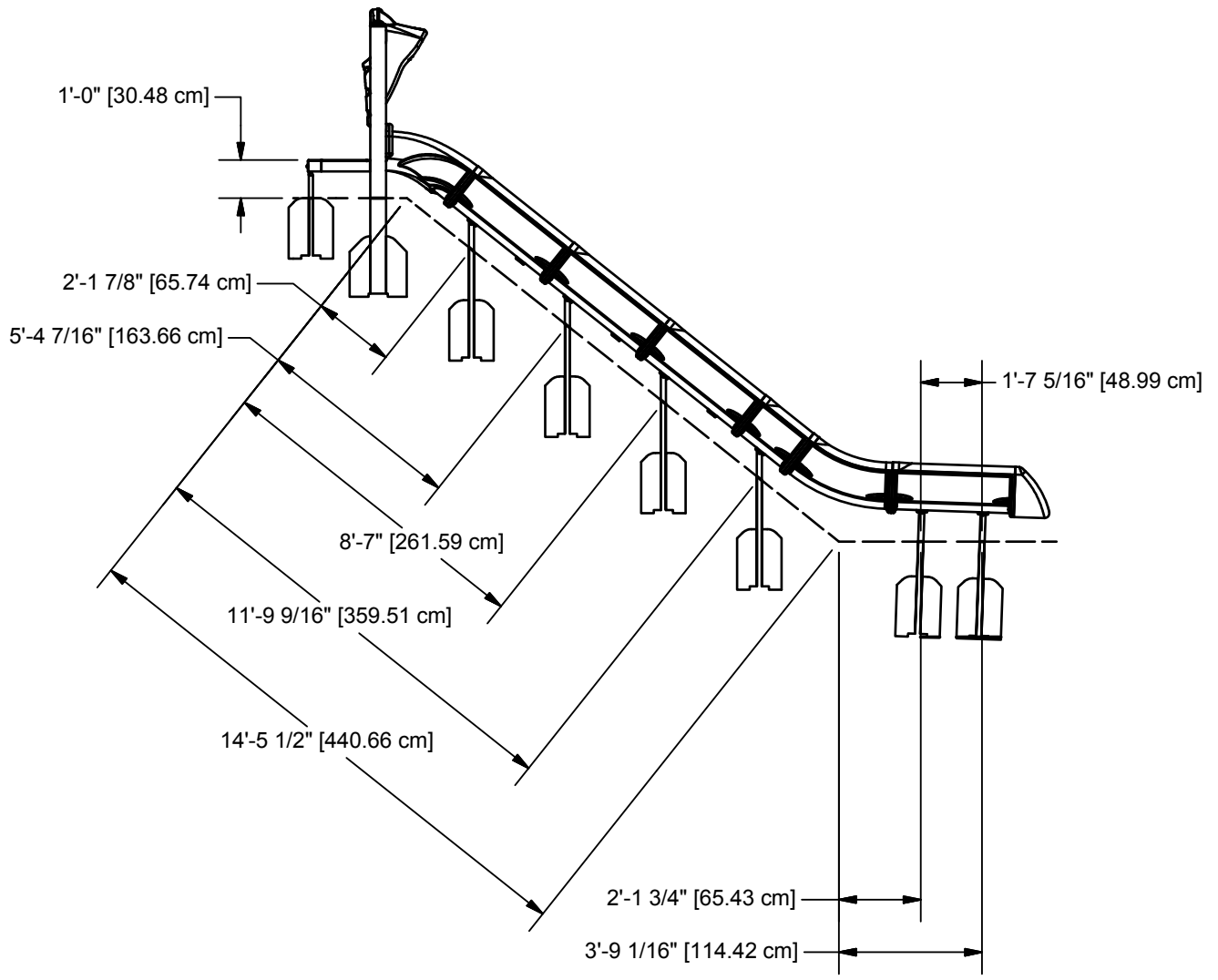
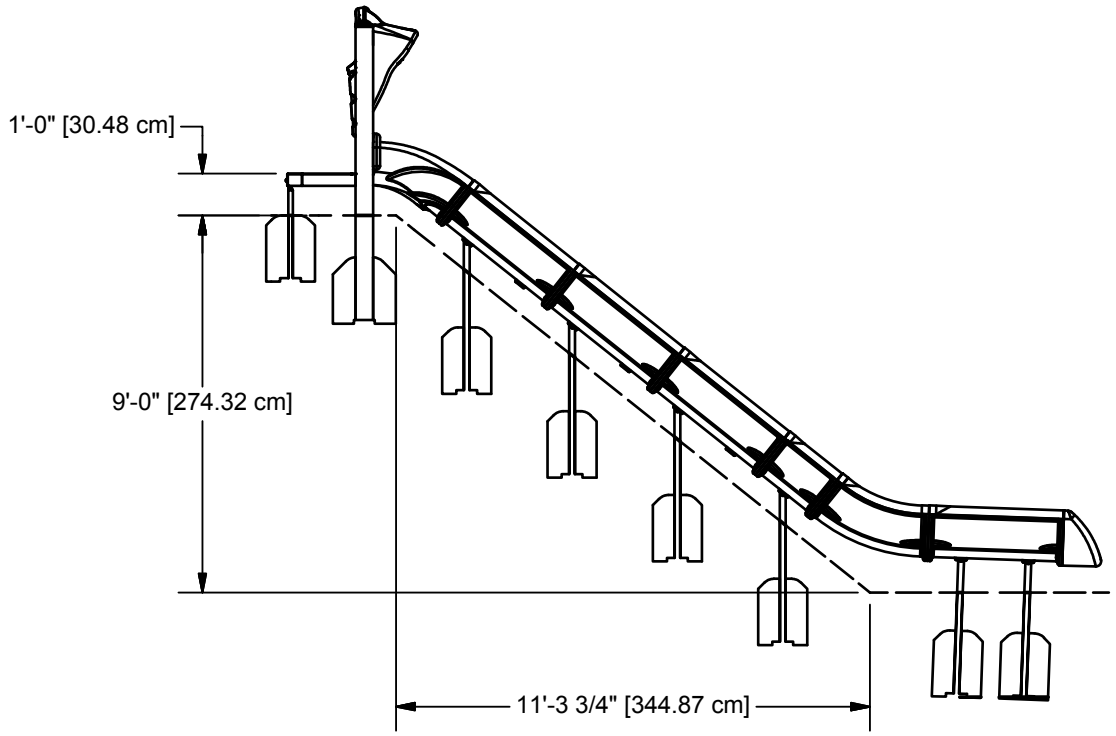
INSTALLATION INSTRUCTIONS

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

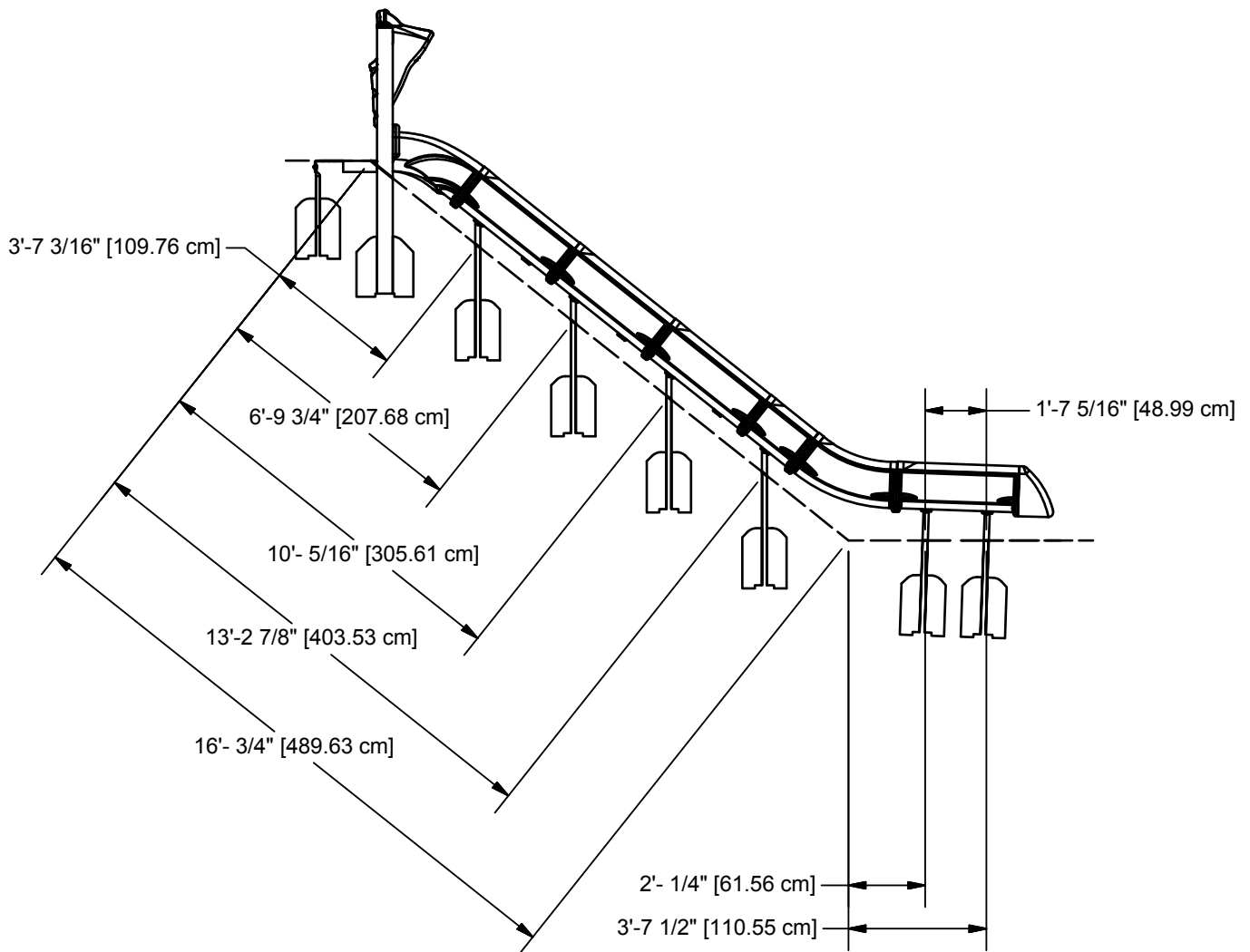
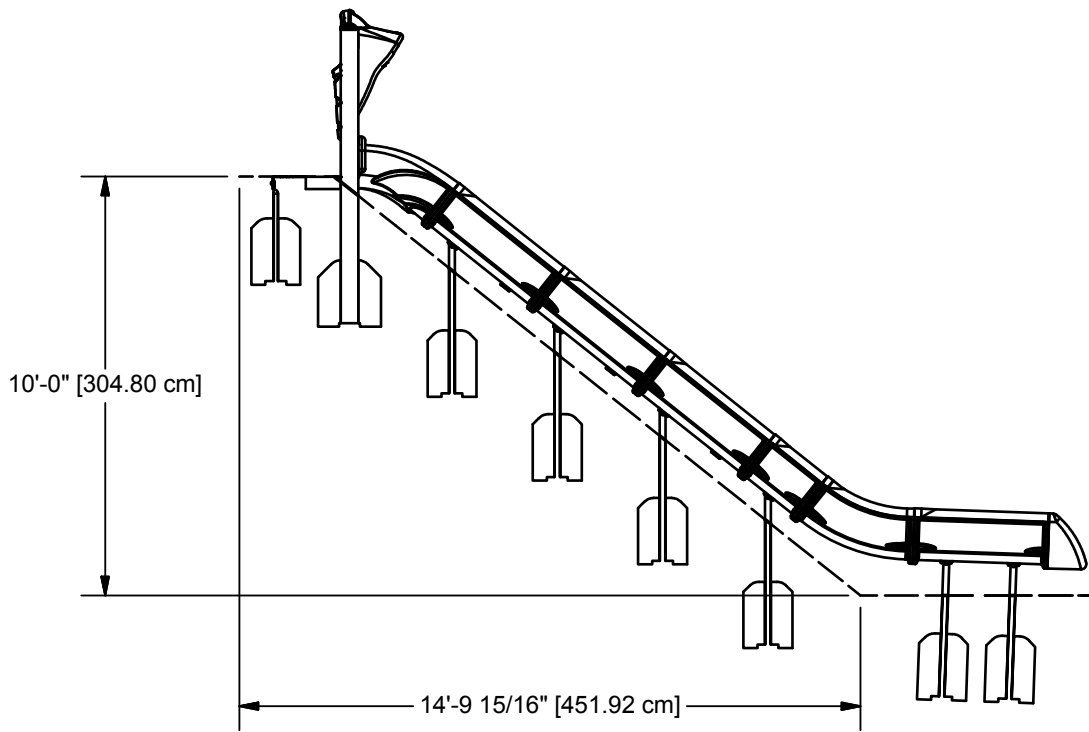
5694SP - SLIDE COMPONENT LIST		
DESCRIPTION	QTY	PART NUMBER
ENTRANCE	1	90576
DOUBLE STRAIGHT	4	90729
STRAIGHT SECTION	1	90703
TRANSITION	1	90741
END CAP	1	90742
HILLSIDE SLIDE FOOTBUCK	2	90745
HILLSIDE SLIDE SUPPORT	4	90746



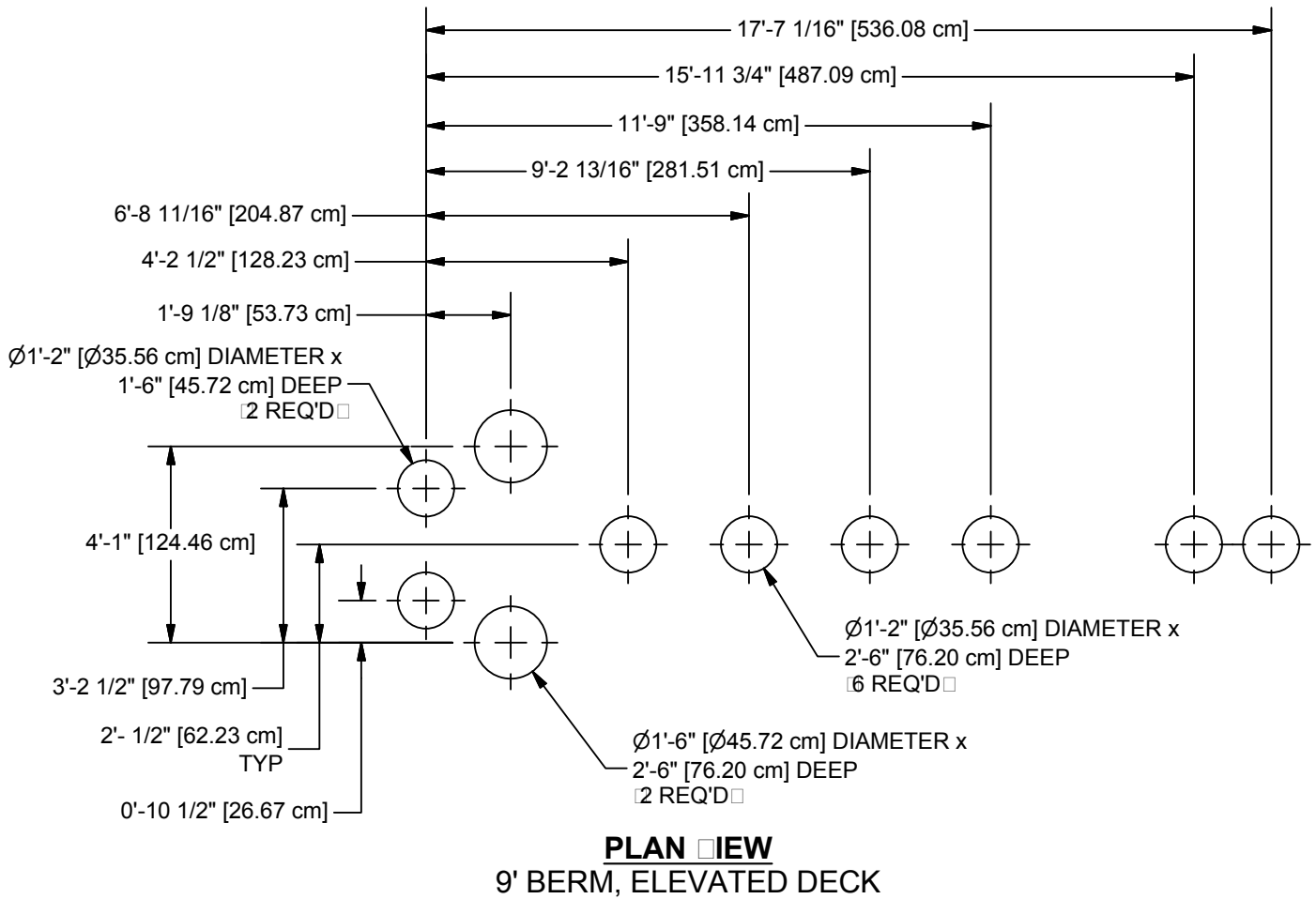
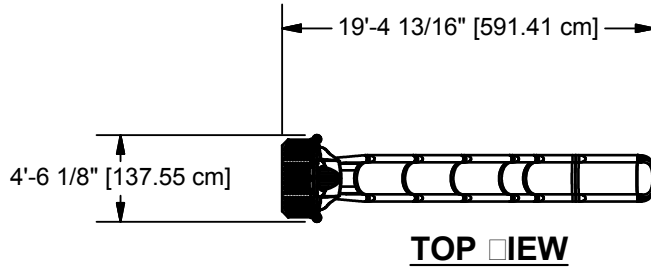
COMPONENT TOP VIEW



ELEVATION VIEW
9' BARGE, ELEVATED DECK

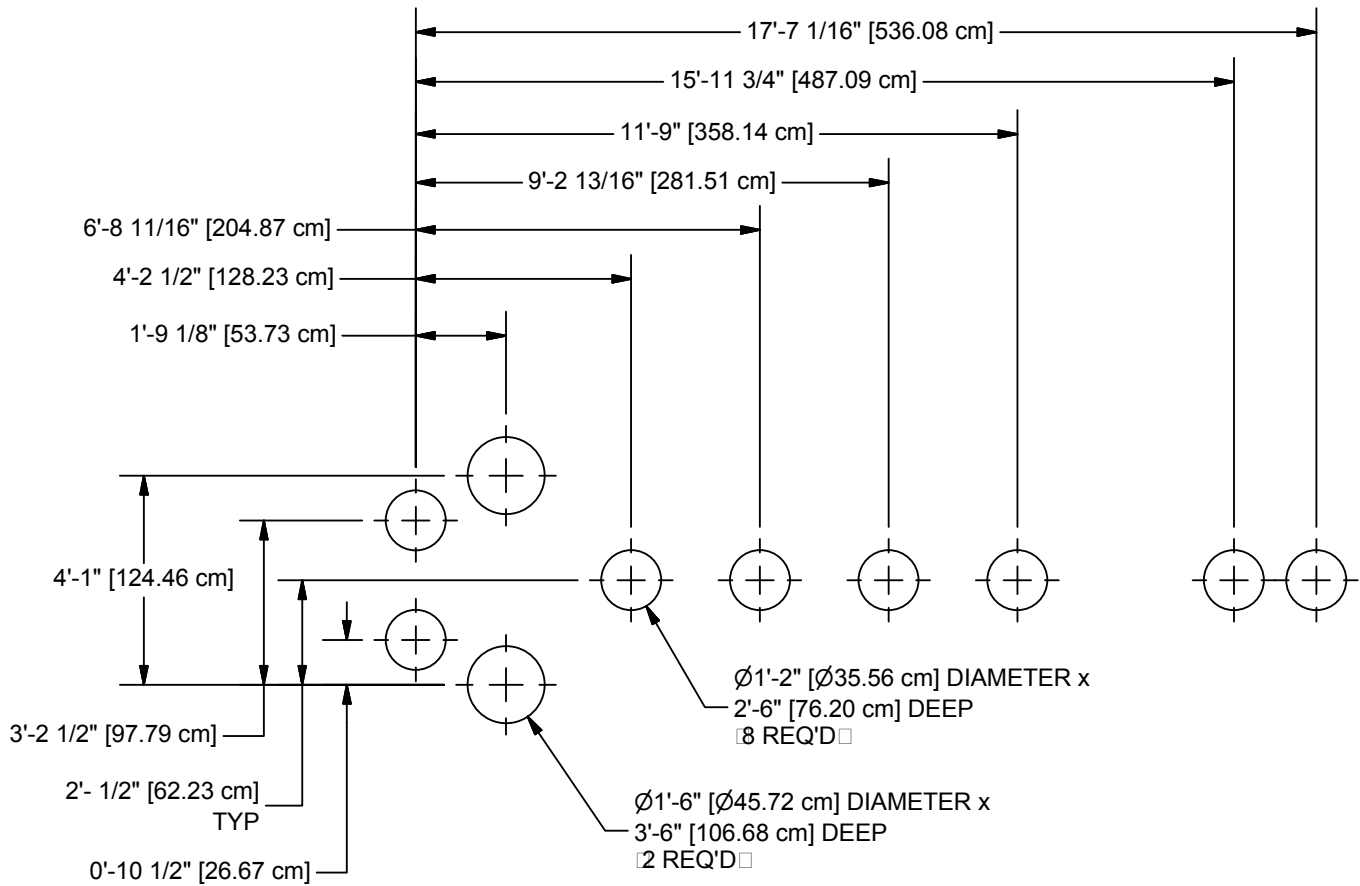
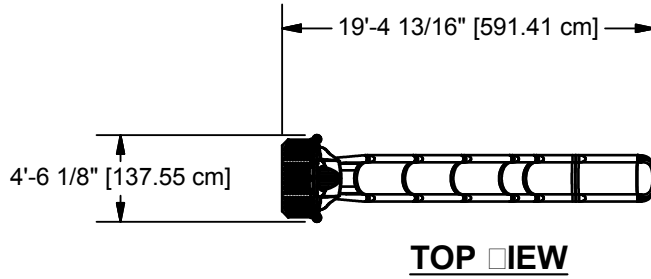


ELEVATION VIEW
10' BERM, FLUSH DECK



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

BERM ELEVATED DECK CONCRETE REQUIRED:
0.71 CUBIC YARDS
[0.54 CUBIC METERS]



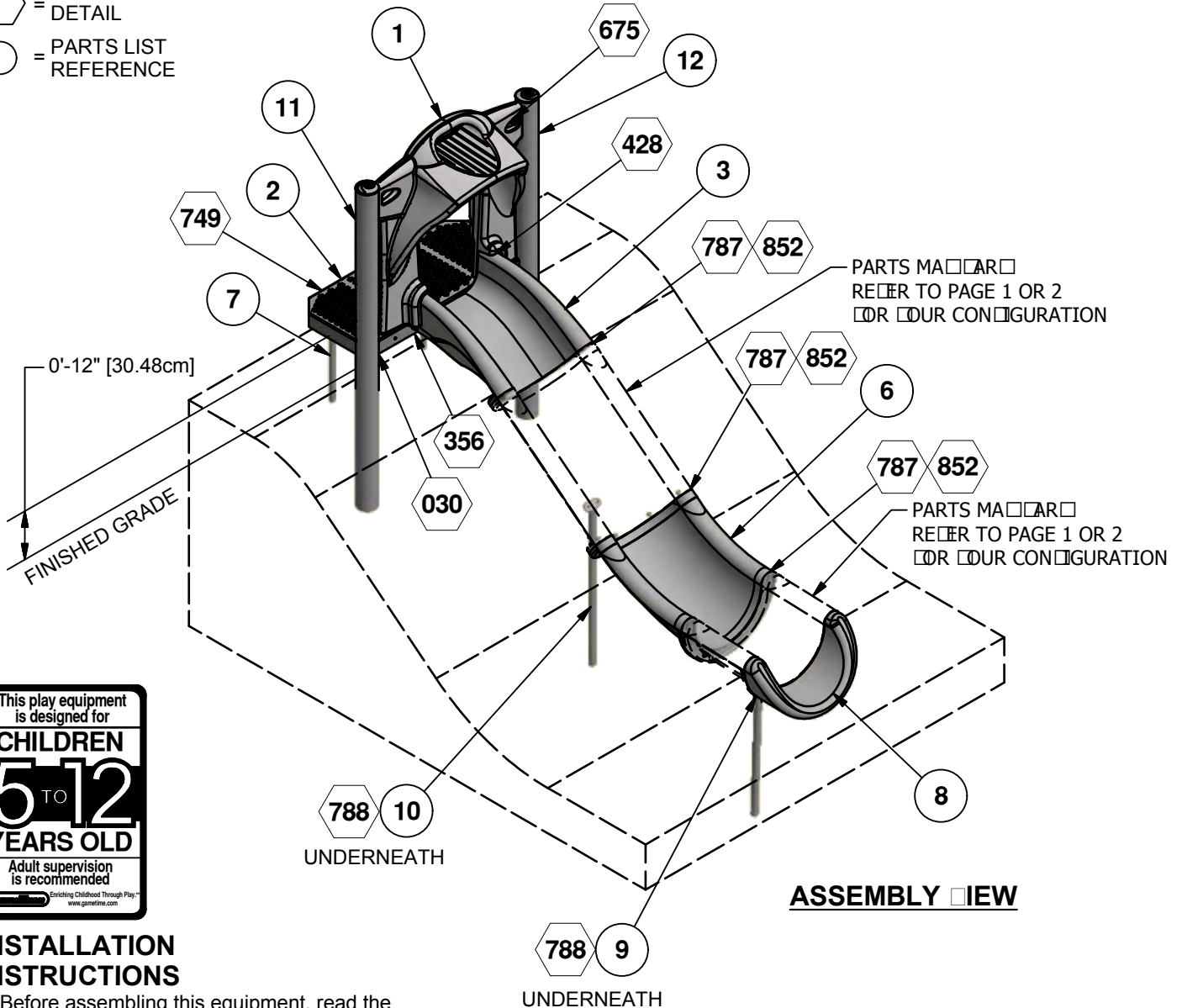
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**1' BERM FLUSH DECK
CONCRETE REQUIRED:**
0.83 CUBIC YARDS
[0.63 CUBIC METERS]

EMBANKMENT SLIDE COMPONENTS

= INSTALLATION
 = DETAIL

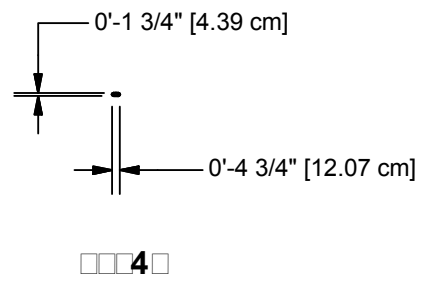
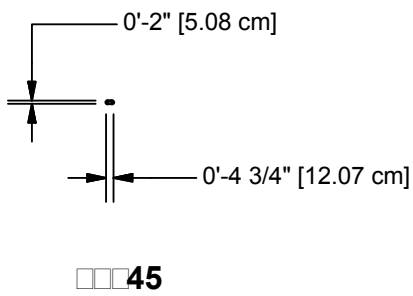
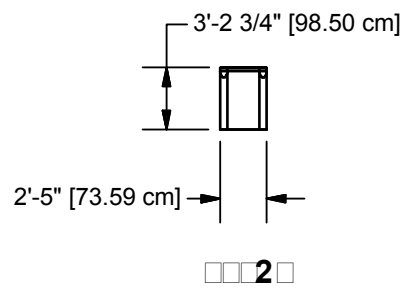
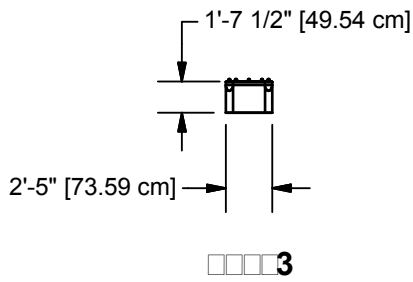
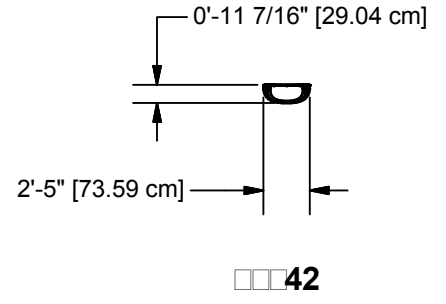
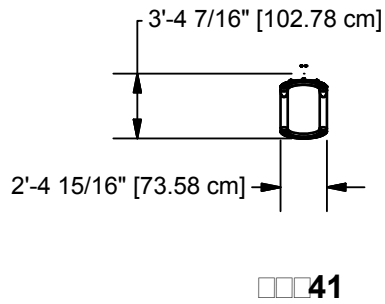
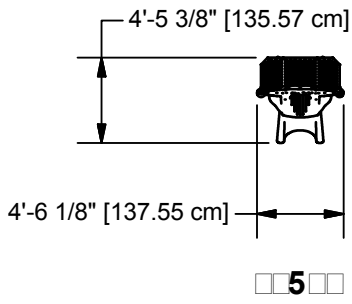
= PARTS LIST
 = REFERENCE



INSTALLATION INSTRUCTIONS

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

NOTE: SLOPE SHOULD BE ENGINEERED TO MATCH THE SLOPE OF THE SLIDE AND SATISFY PERTINENT ASTM AND CPSC REQUIREMENTS.



TOP VIEWS

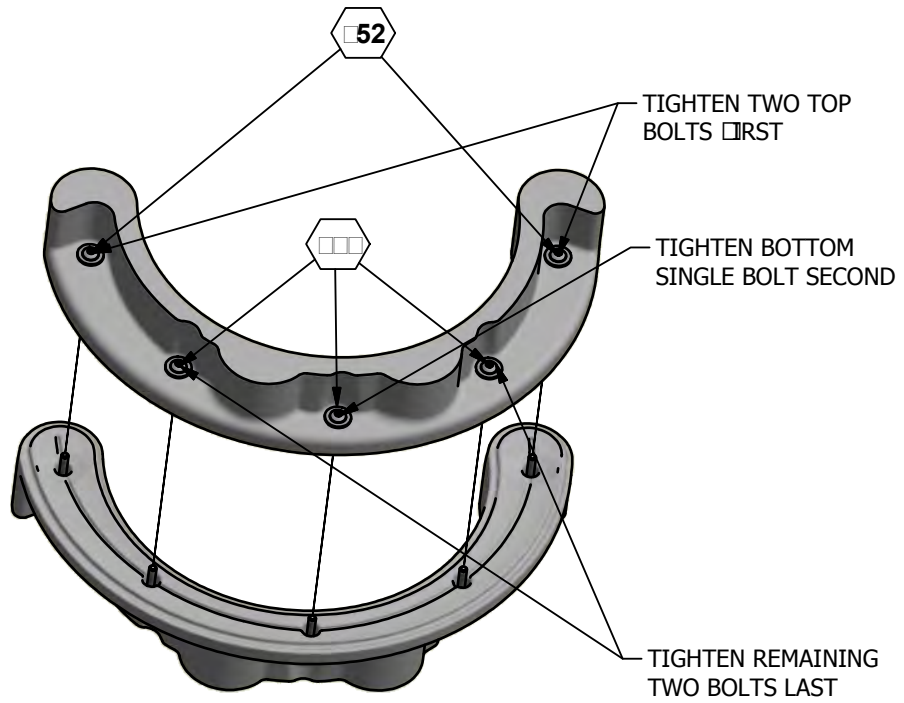


FIGURE 1

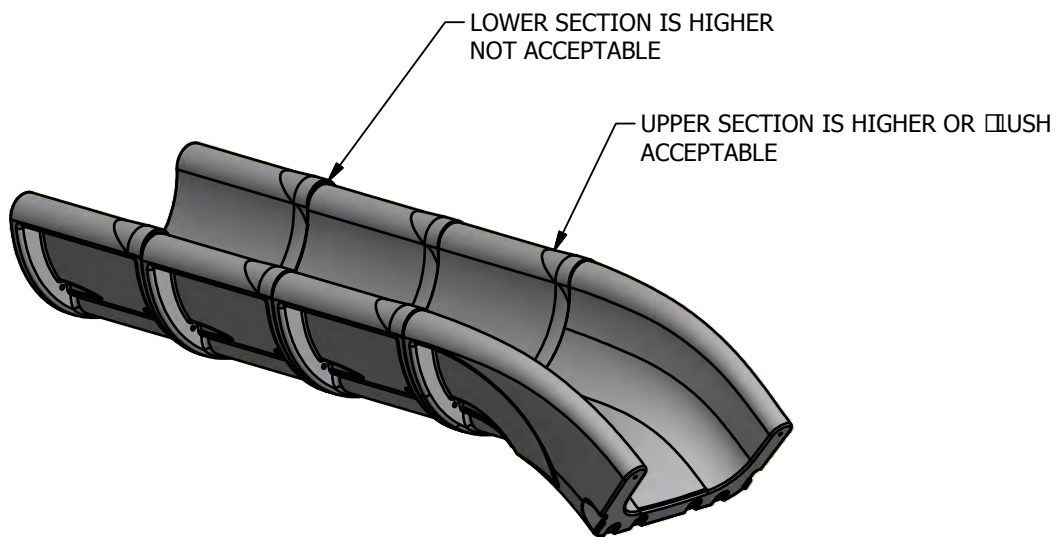


FIGURE 2



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

STEP 1: Attach Uprights to the Coated Platform using Detail 030.

STEP 2: Attach Smashed Support Pipes to the Coated Platform using Detail 749

STEP 3: Attach Single Lip Slide Hood to Uprights using Detail 675.

STEP 4: Place in ground holes so the platform is 12" from finished grade on 10' Elevated Embankment or flush with the finished grade on 11' Flush Embankment. **REFER TO PAGE 1 AND 4 FOR ELEVATION VIEW AND PAGE 5 AND 6 FOR GROUND PLAN.**

STEP 5: Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787, 852, and 853. Hand tighten the five bolts that join each section. **NOTE:** Refer to your units Top View for proper placement and orientation of each slide section.

STEP 6: Once all sections are bolted together, hand tight, install the slide to the Single Lip Slide Hood and platform using Detail 356 and Detail 428.

STEP 7: Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown. **SEE FIGURE 1.**

STEP 8: It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. **SEE FIGURE 2.**

STEP 9: After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat Step 7 and 8 until seams are properly fitted.

STEP 10: After the slide is adjusted and the bolts are tight, attach the Footbucks using Detail 788.

STEP 11: Attach Footbucks to the first mounting pad past the Transition Section. Also, evenly spaced if necessary for the length of the exit region.

STEP 12: Use Detail 789 to plug inserts in Straight and Curved Sections as required.

MAINTENANCE PROCEDURE:

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

SPECIFICATIONS

COATED PLATFORM: Shall be fabricated in conformance with the punched steel specifications outlined herein. The Platform frame shall be fabricated from .109" 12 Gauge Thick H.R. Steel with corner plates fabricated from .109" 12 Gauge Thick H.R. Steel. Braces shall be fabricated from .109" 12 Gauge Thick H.R. Steel and welded at the intersections. The Platform shall be a one-piece welded assembly, coated after fabrication with an oven cured matte finish polyvinyl chloride (PVC) coating in accordance with the specifications herein.

SMASHED SUPPORT PIPE: Shall be fabricated from 1-5/16" O.D. x .083" 14 Gauge wall galvanized steel tubing. Fabricated Part shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

FOOTBUCK: Shall be fabricated from 1-5/8" O.D. x .083" 14 Gauge wall galvanized steel tubing and 3/16" Thick H.R. Steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

SUPPORT WELD ASSEMBLY 2: Shall be fabricated from 1-5/8" O.D. x .083" 14 Gauge wall galvanized steel tubing and 3/16" Thick H.R. Steel. Weld Assembly shall be an all weld assembly and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

UPRIGHT: Shall be 5" O.D. x .120" 11 Gauge wall galvanized steel 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.

PLASTIC: Shall be one piece construction manufactured from linear low-density polyethylene material and shall conform to the rotationally molded specifications outlined herein. Polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. Rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal specification LP-390C, type 1, class M, grade 2, category 3 Density ASTM D- 1505 Brittleness Temperature ASTM D-746 Tensile Values ASTM D-638 Flexural Modulus ASTM D-790 Heat Distortion ASTM-648 Low Temperature Impact ARM-STD

POWDER COAT FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a 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 RP, 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 Fademeter 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.

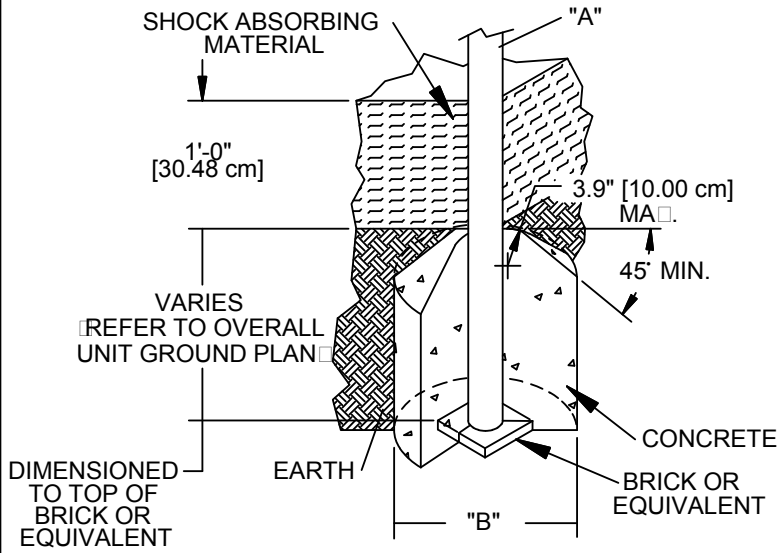
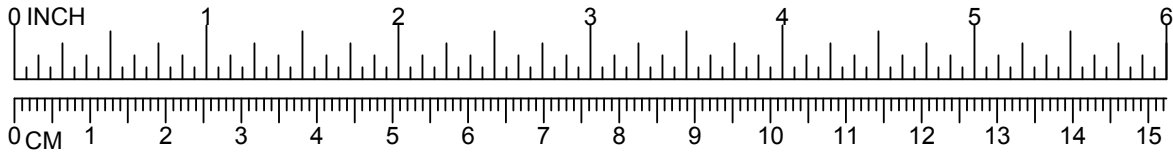
DETAILS -for- 5694SP

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.



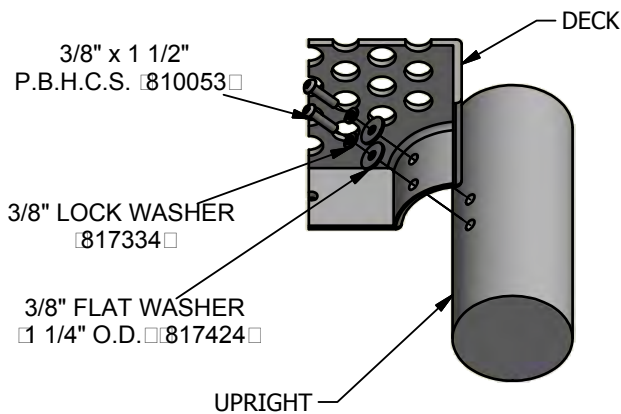
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE SWINGS	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



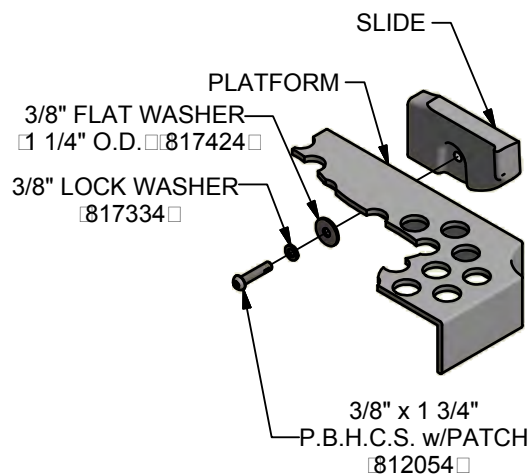
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



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



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



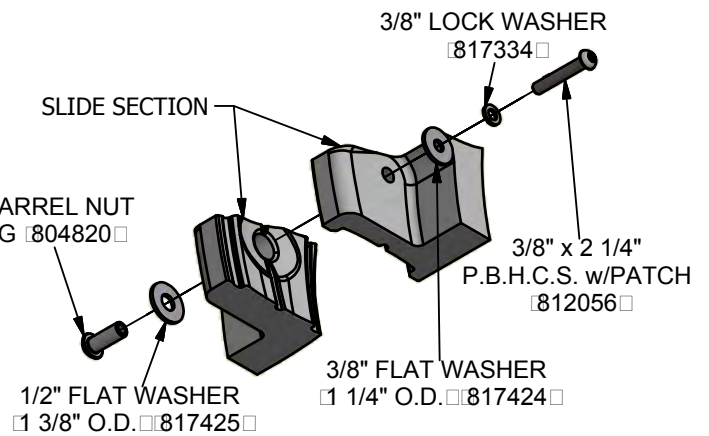
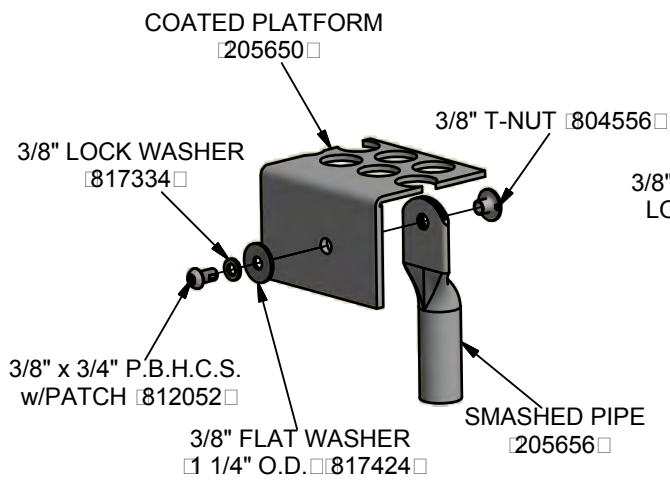
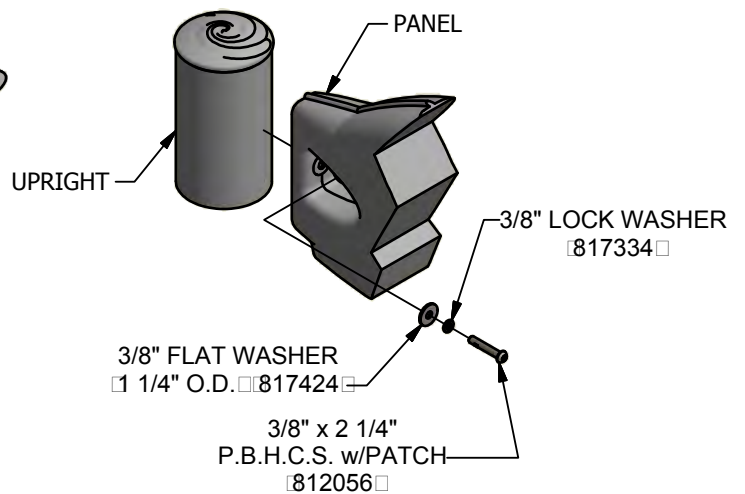
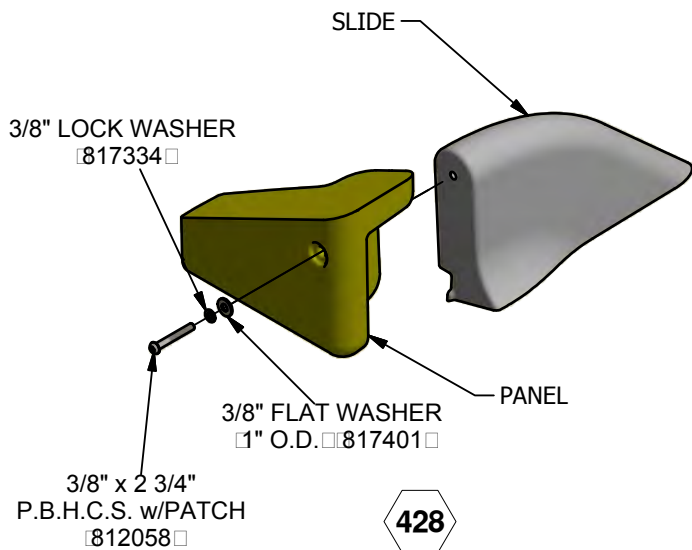
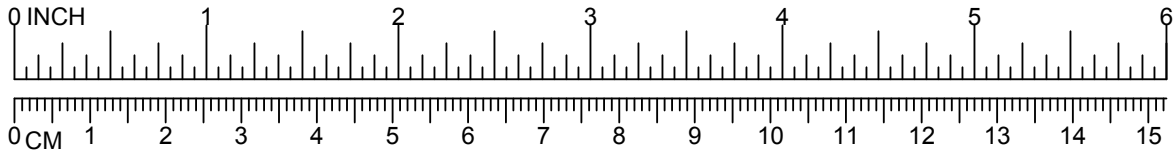
DETAILS -for- 5694SP

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.



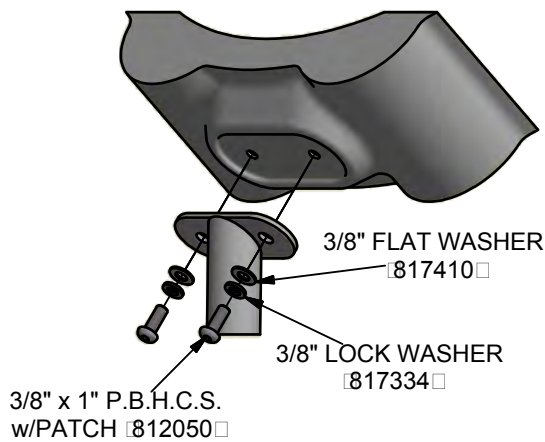
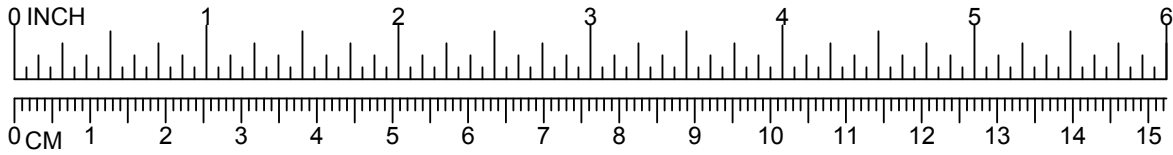
DETAILS -for- 5694SP

IMPORTANT

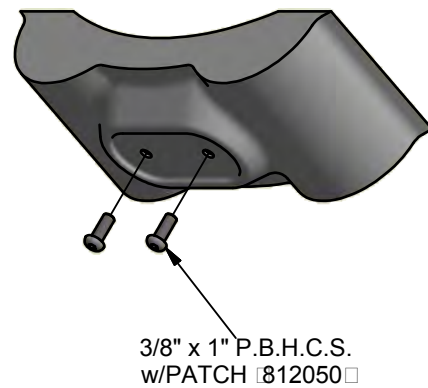
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

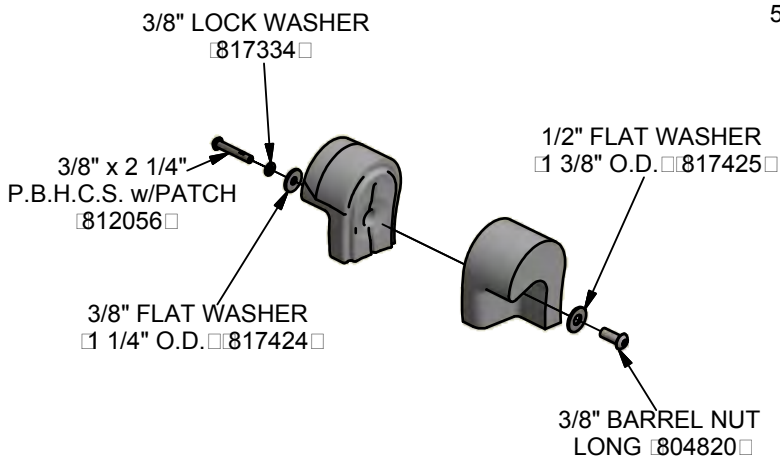
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



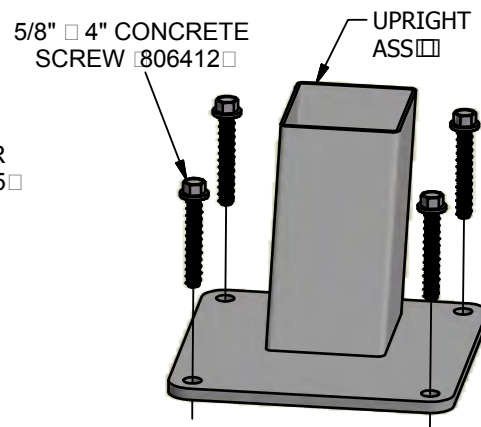
788



789



852



853

VISTARope



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 03/02/2023

5956SP

VistaAdventure Course 6

This play equipment is designed for

CHILDREN

5 TO 12

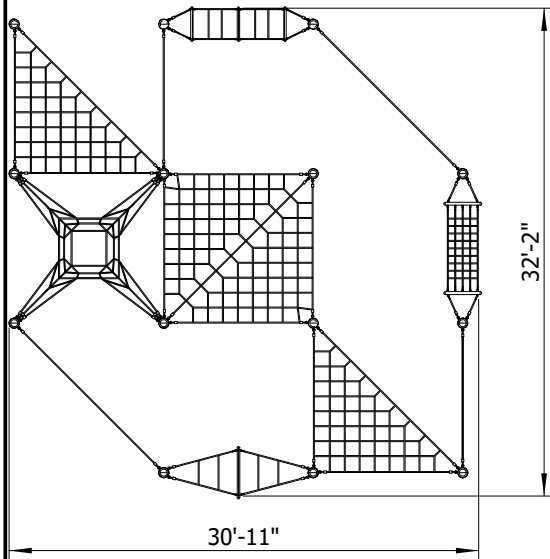
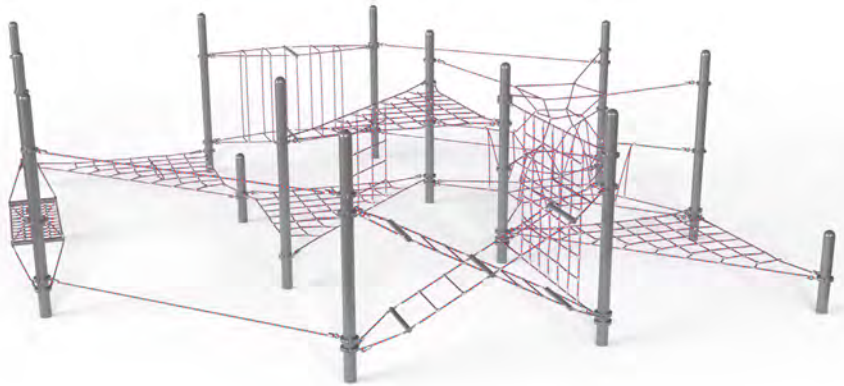
YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

INSTALLATION INSTRUCTIONS

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



TOP VIEW

ASSEMBLY VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
NET PACKAGE	1	RC-A014



DELIVERY

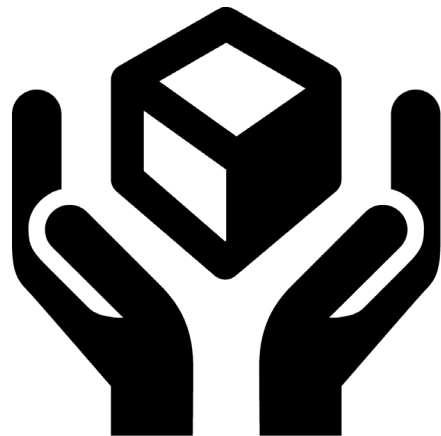
Proper off-loading/lifting equipment is required

Crates are HEAVY, handle with care

Do not open crates until ready to assemble

ASSEMBLY

Lifting equipment is required to hold frames during assembly and to lift nets into position.



HANDLE WITH CARE

PRODUCT SPECIFICATIONS

Size: Length: 32' 5"
Width: 31' 2"
Height: 9' 1"

Fall Height: 7'

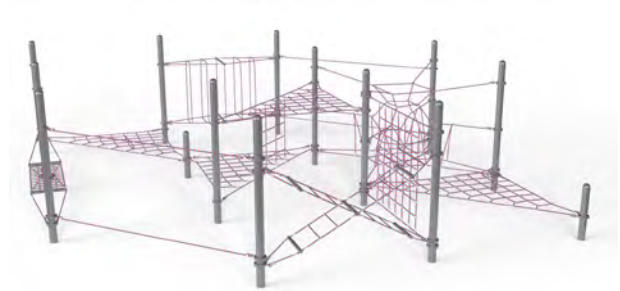
Foundations: 14

Concrete Volume: 4.15 cubic yards

COMPLIANT WITH: ASTM F-1487
CSA Z614

Ages: 5-12 years

Use Zone: Length: 44' 5"
Width: 43' 2"



Technical Details:

Support Post

Support Posts shall be 5-1/2" (140mm) diameter steel tubing. After fabrication the frame shall be powder coated in accordance with the specifications herein.

Climbing Nets

20mm diameter rope consists of 6 main strands, each strand containing 24 galvanized steel reinforcing strands within a polyamide sleeve, wrapped around a solid polyamide core for a total of 144 reinforcing strands. Ropes shall achieve a Class 7-8 colorfastness rating.

Rope Ball Connectors and End Fittings

One-piece compressed aluminum ball connector or end fitting, compressed in place with 150,000 pounds force (667kN) to prevent the connection from moving and causing premature cable wear.

Fasteners

All fasteners shall be stainless steel with locking patch or locking compound (by others).

Metal Finish

Polyester (Powder) Coating – The polyester coating shall be uniformly applied by the electrostatic method to a minimum thickness of four mils. Promptly after application of the powder, the coating shall be oven-cured at 350 degrees Fahrenheit. The color(s) of the polyester coating shall be from the manufacturer's standard color selection.

Installation

Installation recommended by a licensed playground contractor, trained and certified on the applicable playground installation methods and standards, preferably certified by manufacturer or National Playground Contractors Association.

Description	Quantity
AL POST (1) ϕ 60.5 X H934	2
AL POST (2) ϕ 60.5 X H640	4
AL POST (3) ϕ 60.5 X H640	1
AL POST (4) ϕ 60.5 X H640	2
BIG FLAT WASHER 3/4"(M20)	112
CAP NUT M10	104
CLAMP 1 125A	52
CLAMP 2 (hole X 1) 125A	24
CLAMP 3 (hole 80 ° X 2) 125A	28
HSCS BOLT M8 X L25mm	16
JOINT FIX BOLT M6 X 17mm	54
JOINT FIX NUT M6 X 20mm	54
LOCK NUT M10	104
LOCK NUT M12	80
LOCK NUT M8	16
MAIN POST (1) ϕ 139.8 X H3000	12
MAIN POST (2) ϕ 139.8 X H1300	2
NET 2-2 ϕ 20	1
NET 4-2 ϕ 20	4
NET 5 ϕ 20	1
NET 6 ϕ 20	1
NET 7 ϕ 20	4
NET 8 ϕ 20	1
NET 9-1 ϕ 20	2
NUT 3/4"(M20)	112
ROPE 1-1 ϕ 20	1
ROPE 1-2 ϕ 20	1
ROPE 2-1 ϕ 20	8
ROPE 3 ϕ 20	4
ROPE 4-1 ϕ 20	8
ROPE 9-2 ϕ 20	2
ROPE CLAMP 40 X 40 X H75 (SET)	8
SET ANCHOR BOLT 3/4"(M20) X L150	112
WASHER 3/4"(M20)	112
WASHER M10	104
WASHER M12	80
WRENCH BOLTS M10 X L65mm	104

NET PACKAGE GENERAL TOOL LIST

Not all Tools may be required

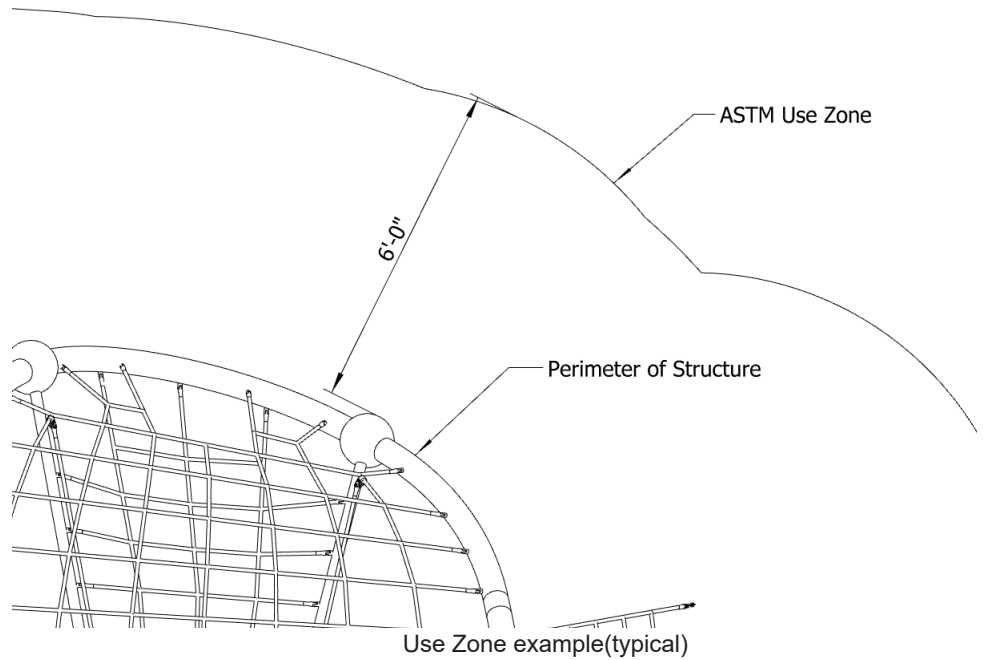
Metric tools are required unless otherwise noted

Tool Type	Size(s)	Minimum Quantity
Hex Bits	3mm	1
	5mm	2
	6mm	1
	8mm	1
"Tamper Proof" Torx Bit	TT45	2
Wrenches	10mm	1
	13mm	1
	17mm	1
	19mm	1
	20mm	1
	22mm	1
	25mm	1
	27mm	1
Sockets	13mm	1
	17mm	1
	19mm	1
	20mm	1
	22mm	1
	25mm	1
	27mm	1
Screwdriver	Philips #2	1
Pipe Wrench	18"	
Red Threadlock		
Beam Level	6'	1
Transit level		1
Ratchet Strap	27" min	2

IMPORTANT SURFACING INFORMATION

USE ZONES

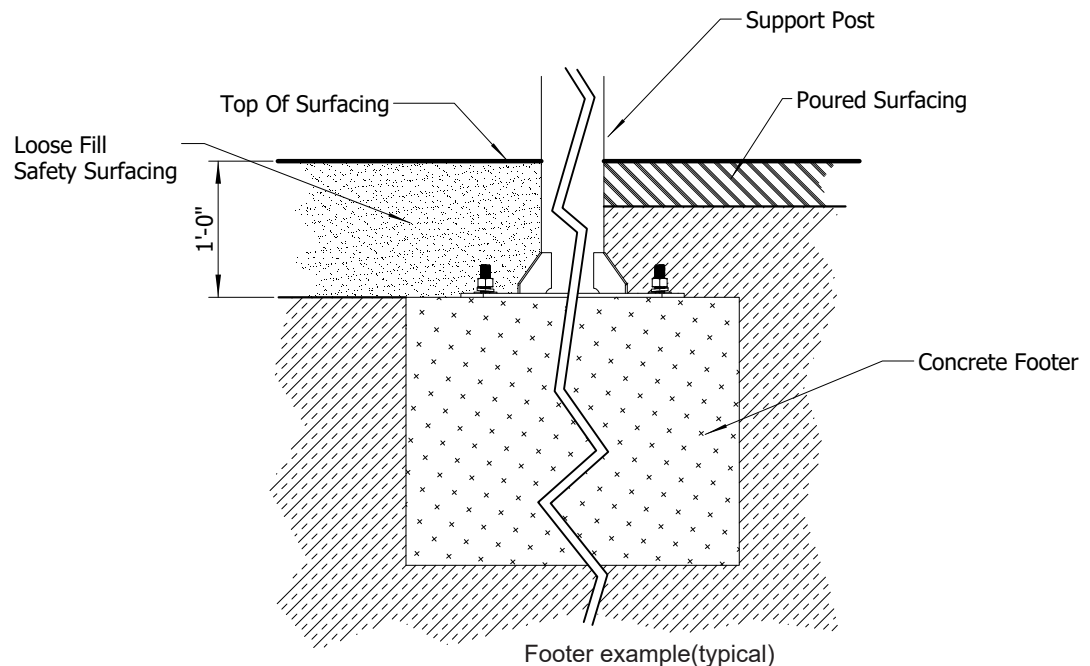
According to ASTM-F1487, all play structures require an unobstructed Use Zone of safety surfacing adequate for the fall height of the equipment--see the Product Specification--extending a minimum of 6' from all sides, as shown on the Layout Drawing. **Some features have additional requirements.** Installations outside the United States have different requirements.



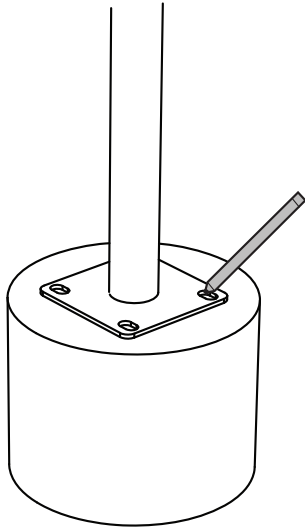
FOOTER DEPTH

Unless otherwise detailed in this manual, this product is designed to be installed with 12" of loose-fill safety surfacing above the level of the concrete footers.

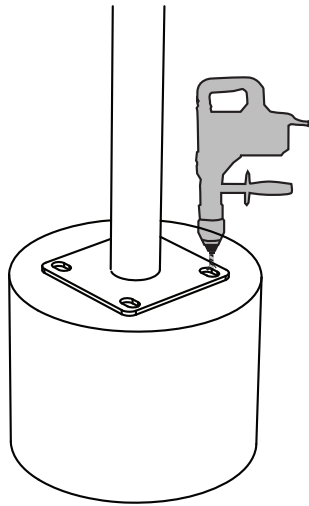
If unitary surfacing is used, footer depth **must be adjusted** to maintain 12" between the top of the footers and the top of the finished surfacing.



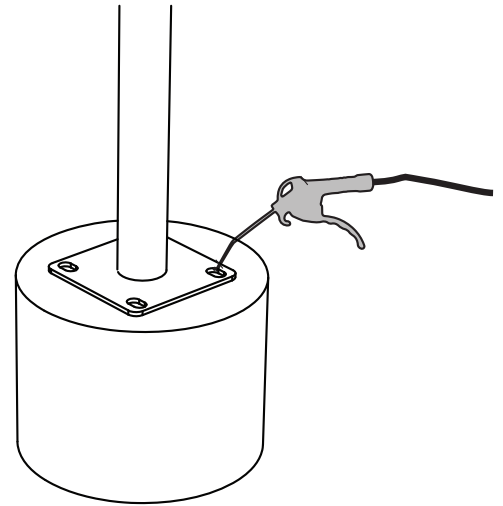
EXPANSION BOLT INSTALLATION (TYPICAL)



1

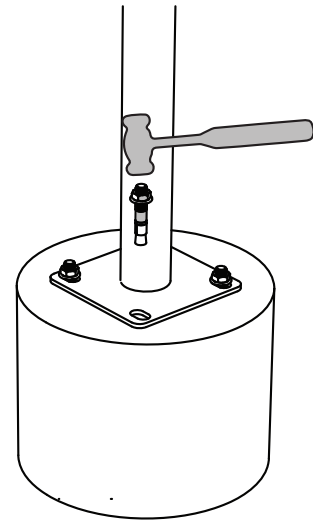


2

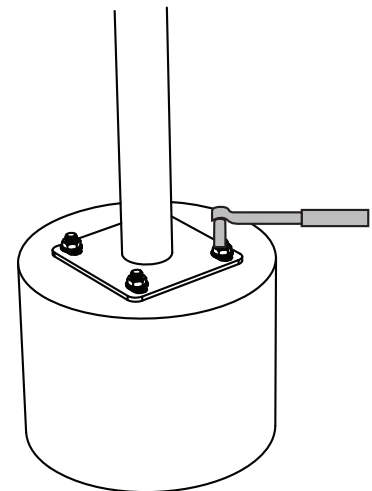


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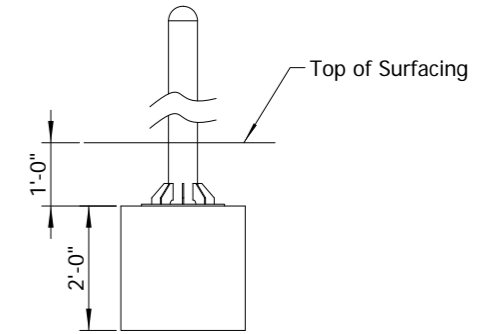
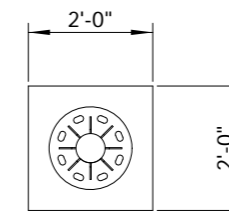
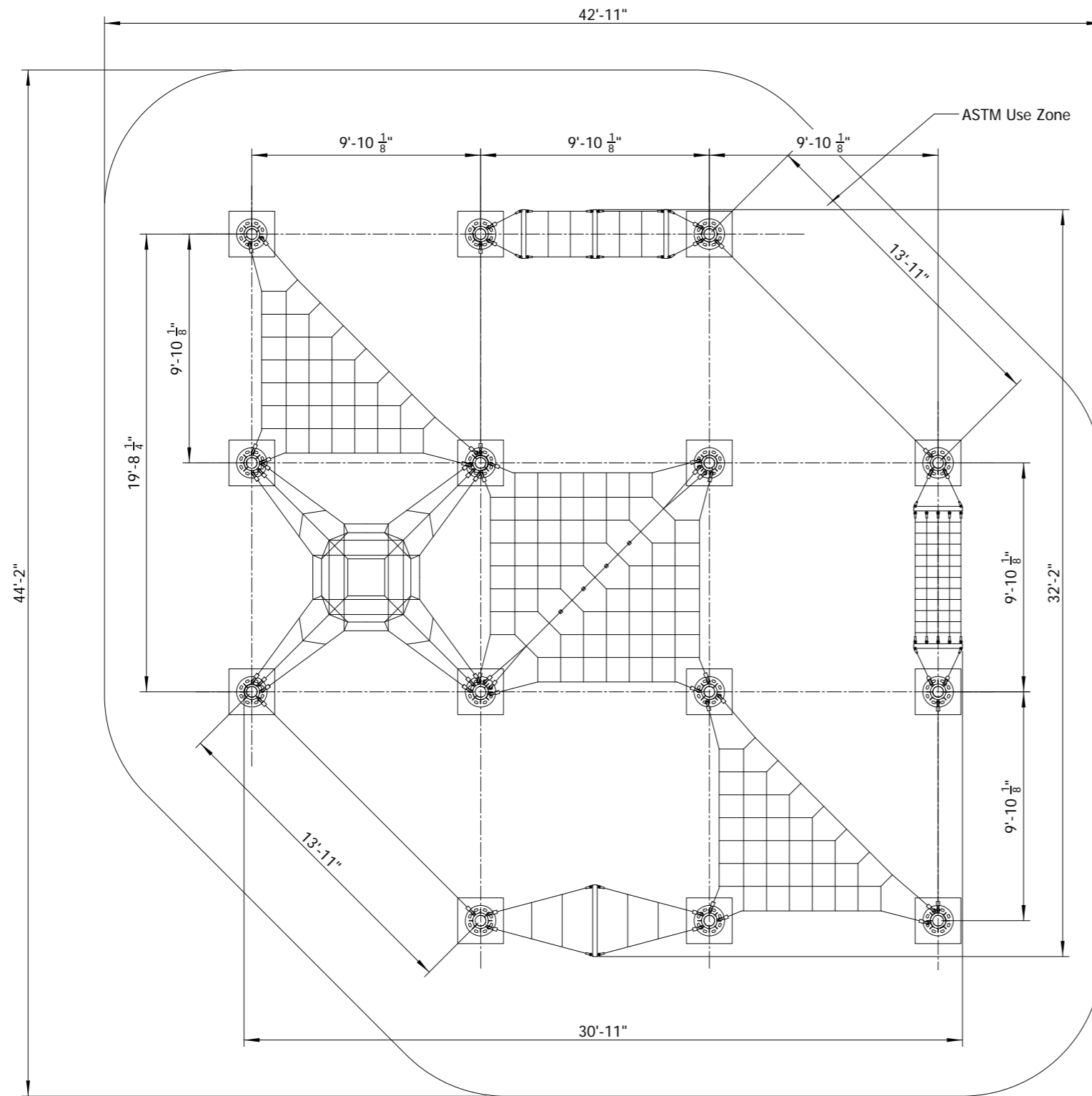
1. Use the base plates as a template to locate the anchor holes.
2. Use a hammer drill to drill the holes. The drill diameter must match the bolt and the depth must be at least the bolt length.
3. Clean the holes.
4. Assemble the washer and nut on the bolt and use a mallet to drive the bolts into the holes through the base plate.
5. Tighten the nut 3-5 turns past finger-tight to fix the anchor in place.



4

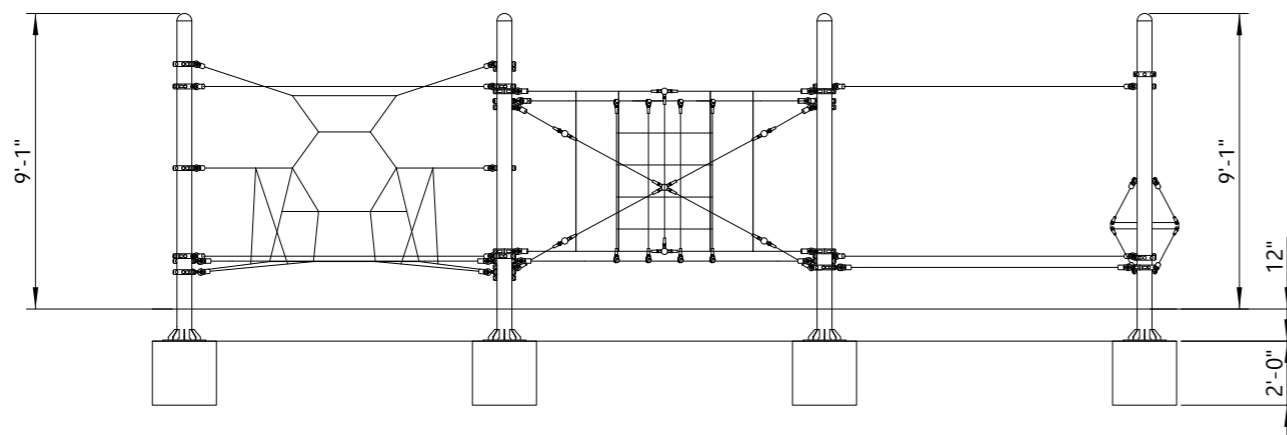


5



Footer Construction:

1. Excavate footer holes
2. Fill with concrete(3500psi minimum) and level
3. Once concrete has cured(minimum 24 hours,) continue with assembly



PART IDENTIFICATION: POST LIST

POST

- 1. MAIN POST (1) : 12 EA
- 2. MAIN POST (2) : 2 EA
- 3. AL POST (1) : 2 EA
- 4. AL POST (2) : 4 EA
- 5. AL POST (3) : 1 EA
- 6. AL POST (4) : 2 EA

MAIN POST 1-1 2-1

AL POST 1

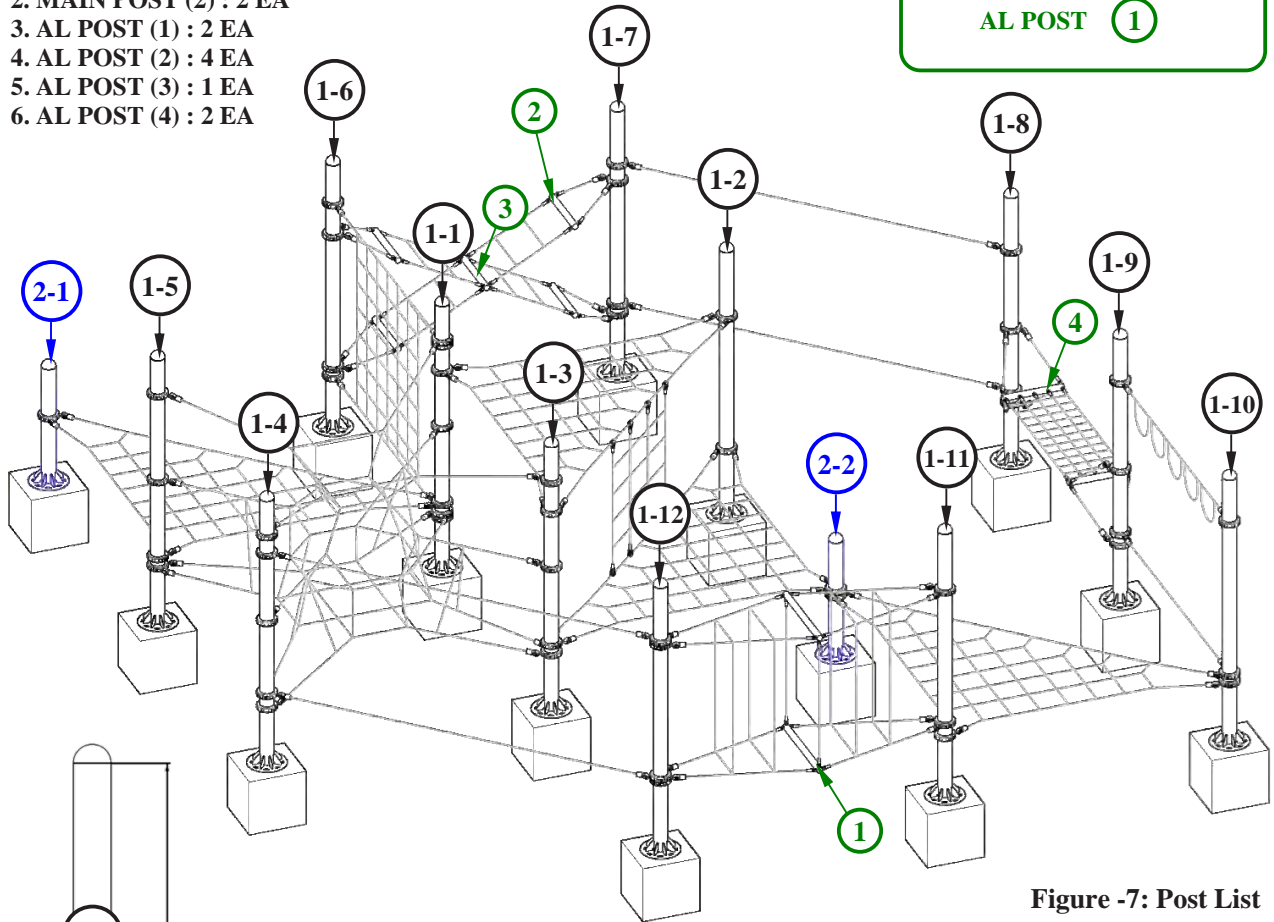
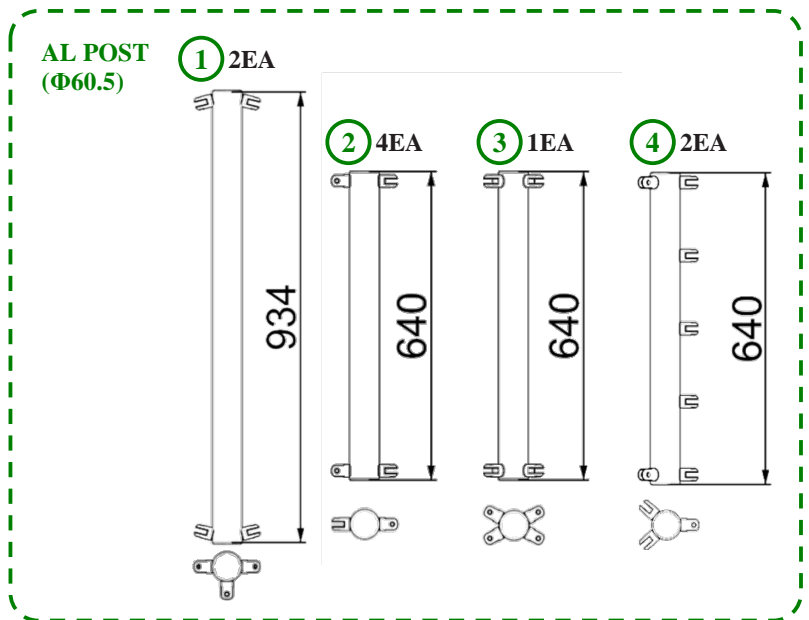
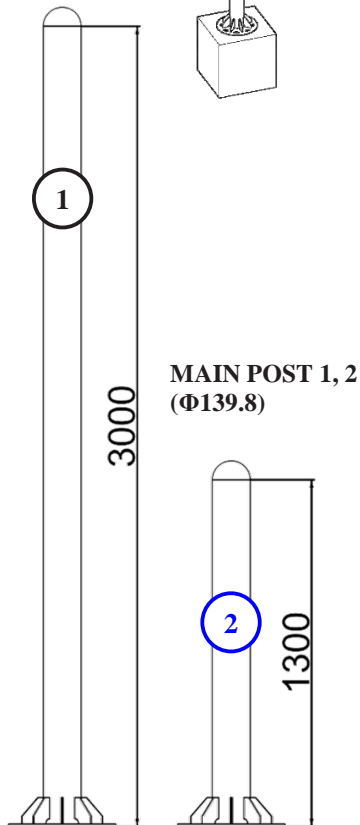


Figure -7: Post List



NET&ROPE LIST

- 1. ROPE(1) : 2 EA
- 2. NET(2) : 1 SET (2-1 8EA + 2-2 1EA)
- 3. ROPE(3) : 4 EA
- 4. NET(4) : 1 SET (4-1 8EA + 4-2 4EA)
- 5. NET(5) : 1 SET
- 6. NET(6) : 1 SET
- 7. NET(7) : 4 SET
- 8. NET(8) : 1 SET
- 9. NET(9) : 1 SET (9-1 2EA + 9-2 2EA)

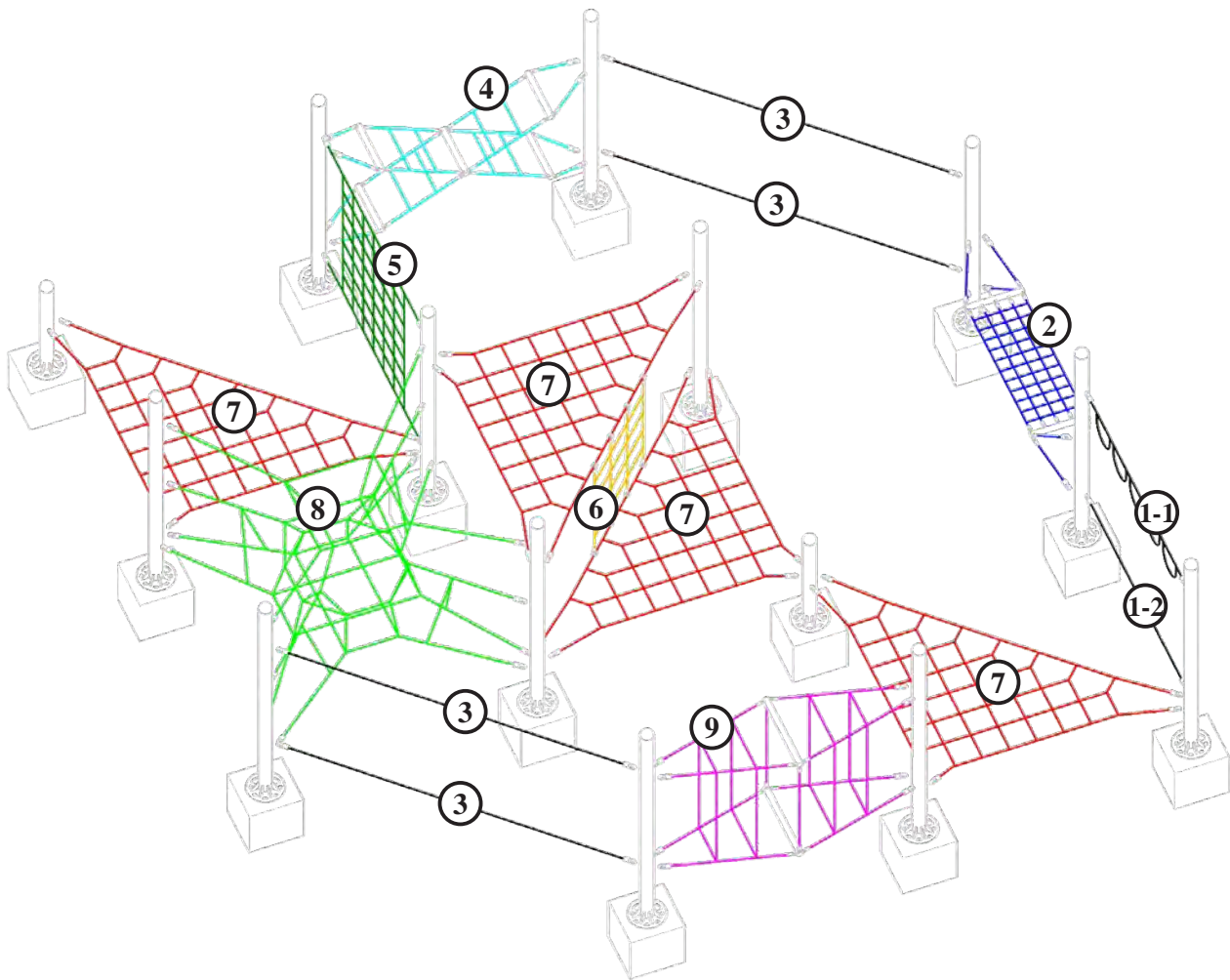


Figure -8: Net List

PART IDENTIFICATION: NET LIST

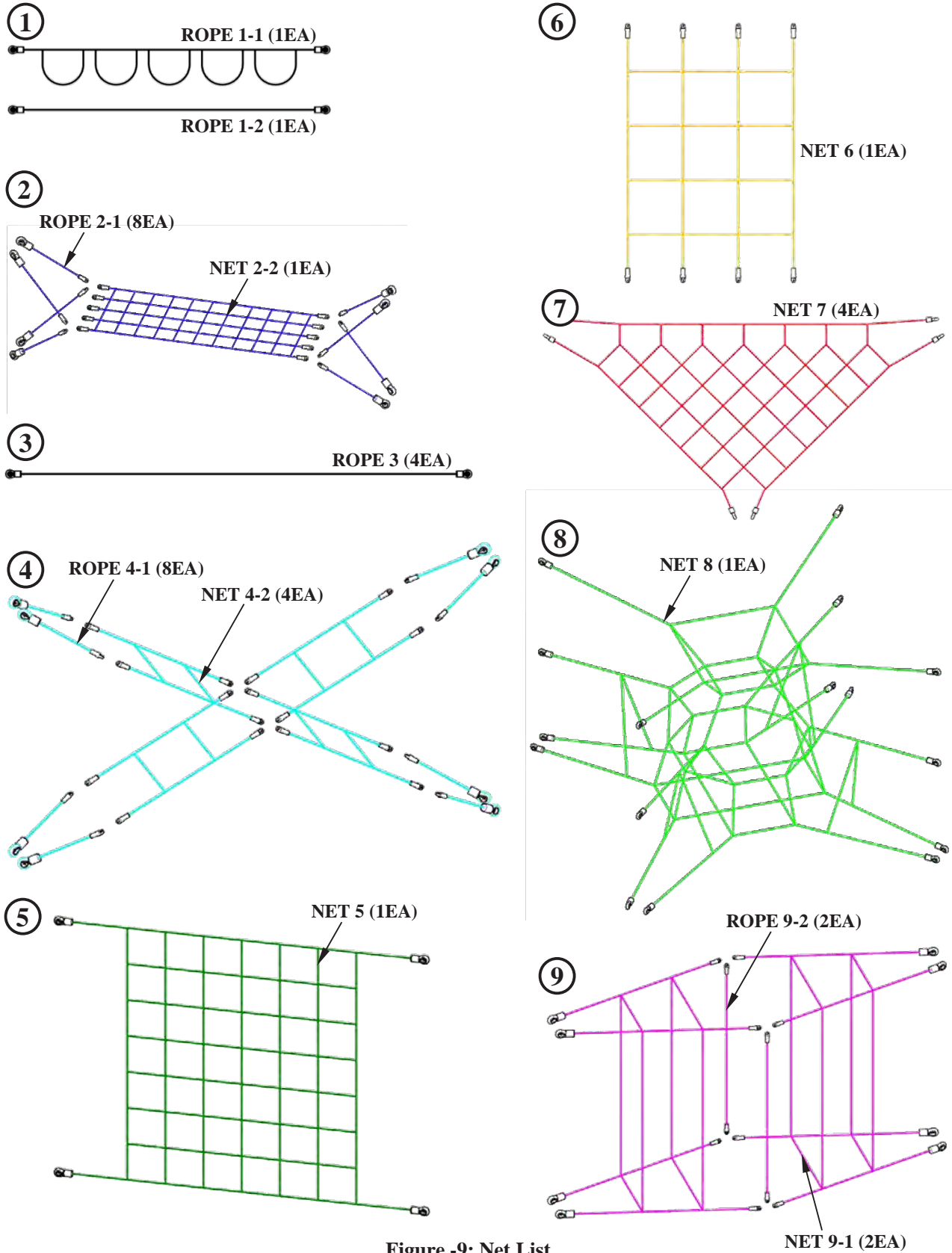


Figure -9: Net List

CLAMP

CLAMP LIST

- 1. CLAMP 1 : 52 EA
- 2. CLAMP 2 : 24 EA
- 3. CLAMP 3 : 28 EA

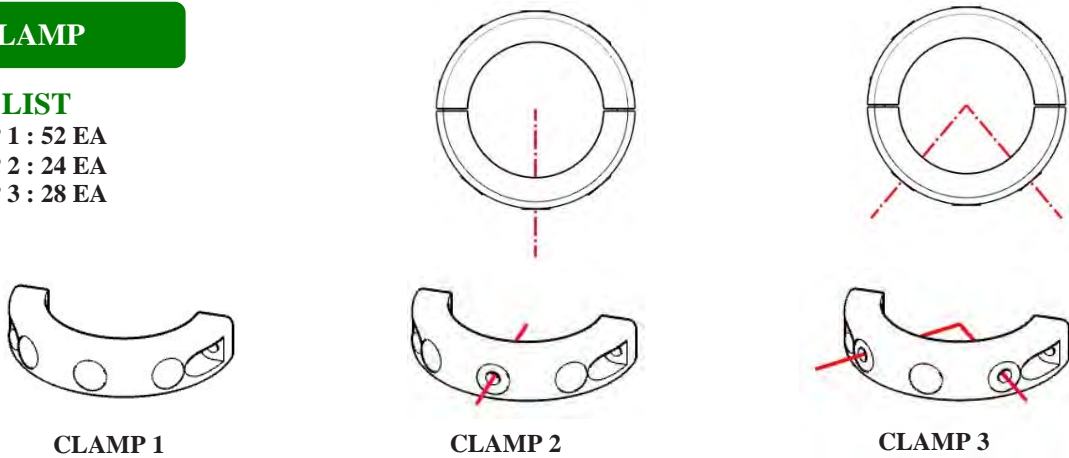


Figure -10-1: Post Clamp list

Note
Make sure clamps are assembled to the location of white tape.

- 1. after installing nets and ropes.
- 2. adjust clamp location.
- 3. fully tighten all the bolts



※ Please "REMOVE" WHITE TAPE and assemble clamp.

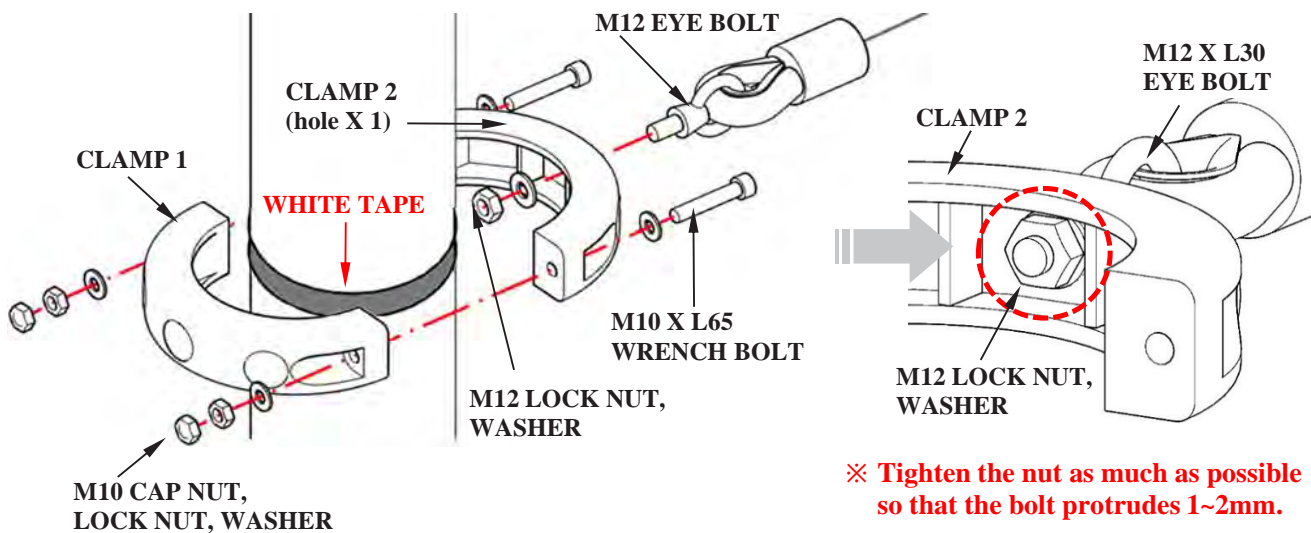


Figure -10-2: Post Clamp Assembly

ASSEMBLY: NET (1), (2)

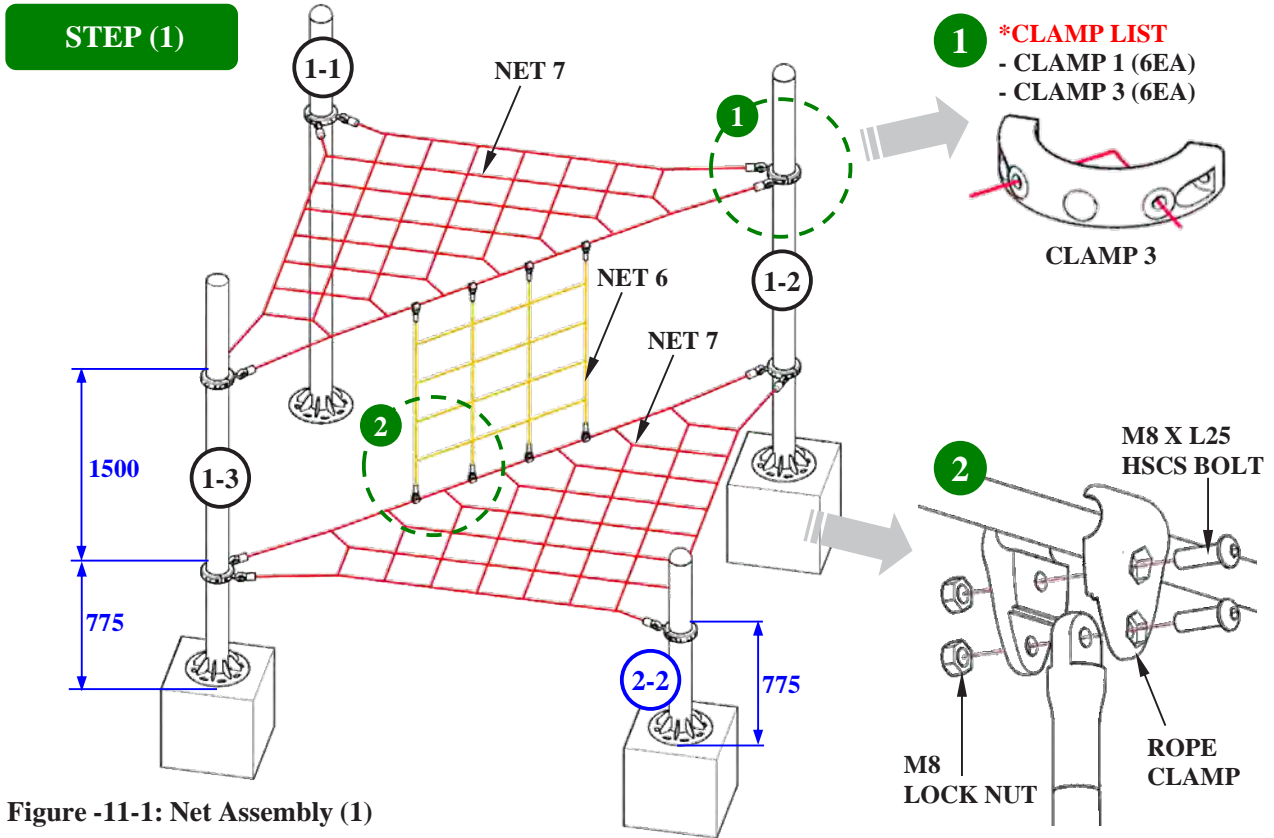


Figure -11-1: Net Assembly (1)

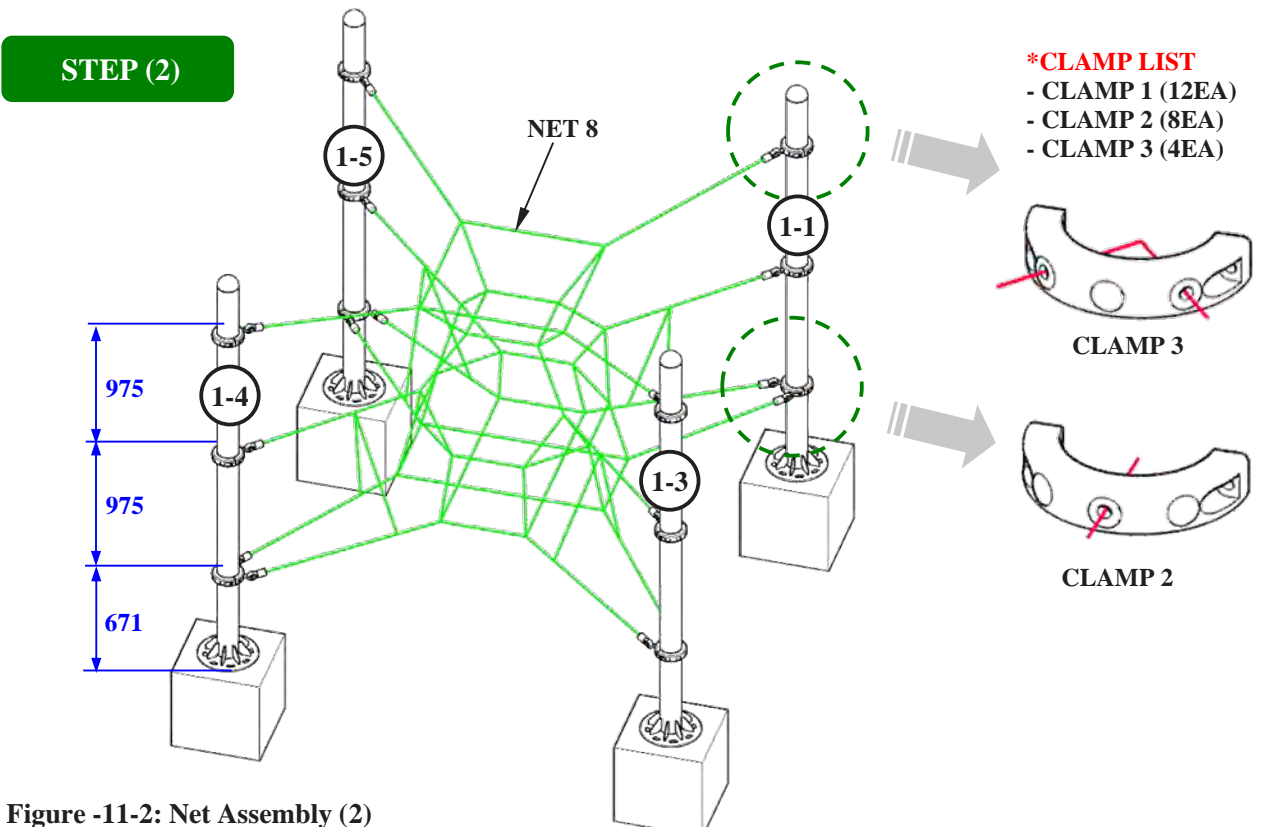


Figure -11-2: Net Assembly (2)

STEP (3)

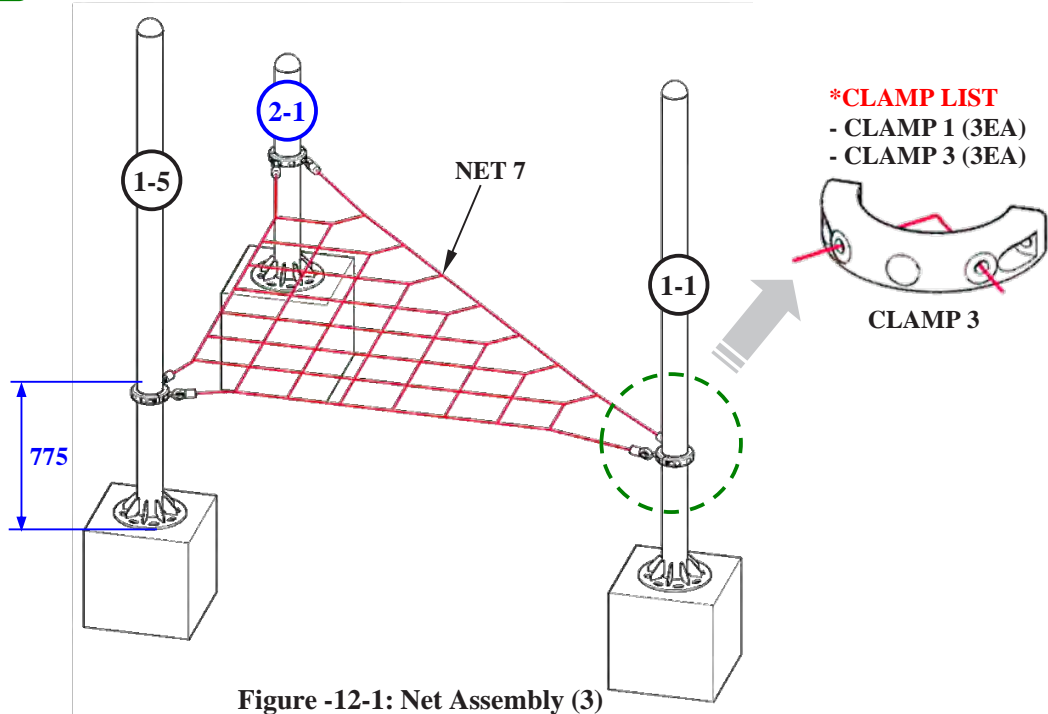


Figure -12-1: Net Assembly (3)

STEP (4)

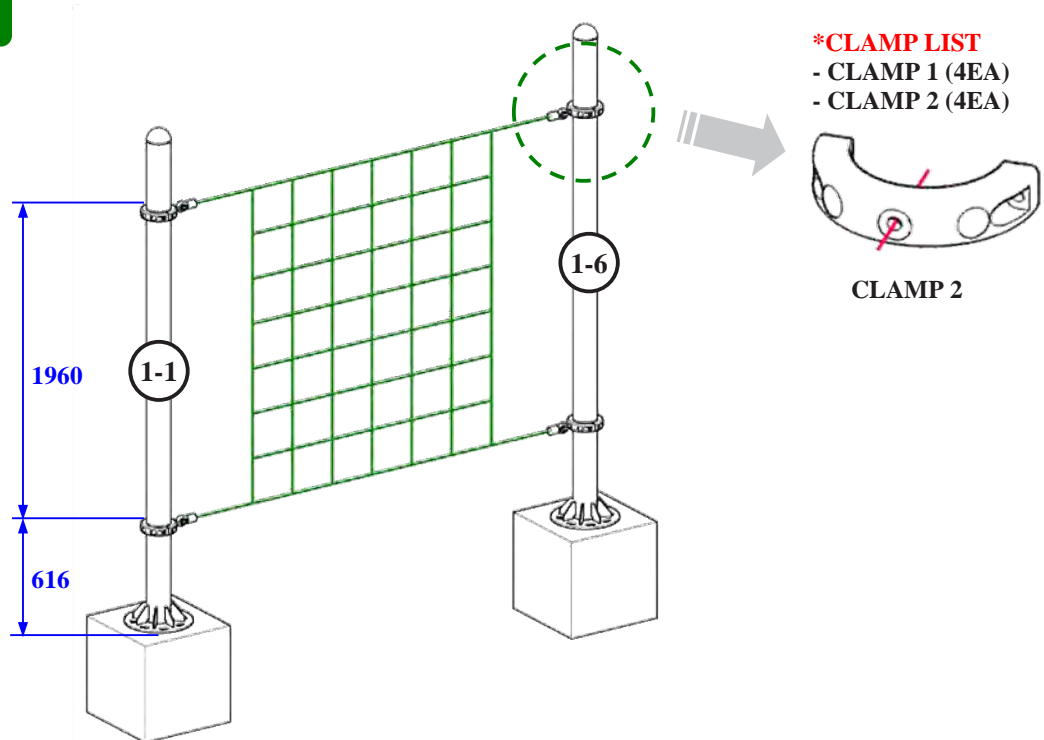


Figure -12-2: Net Assembly (4)

STEP (5)

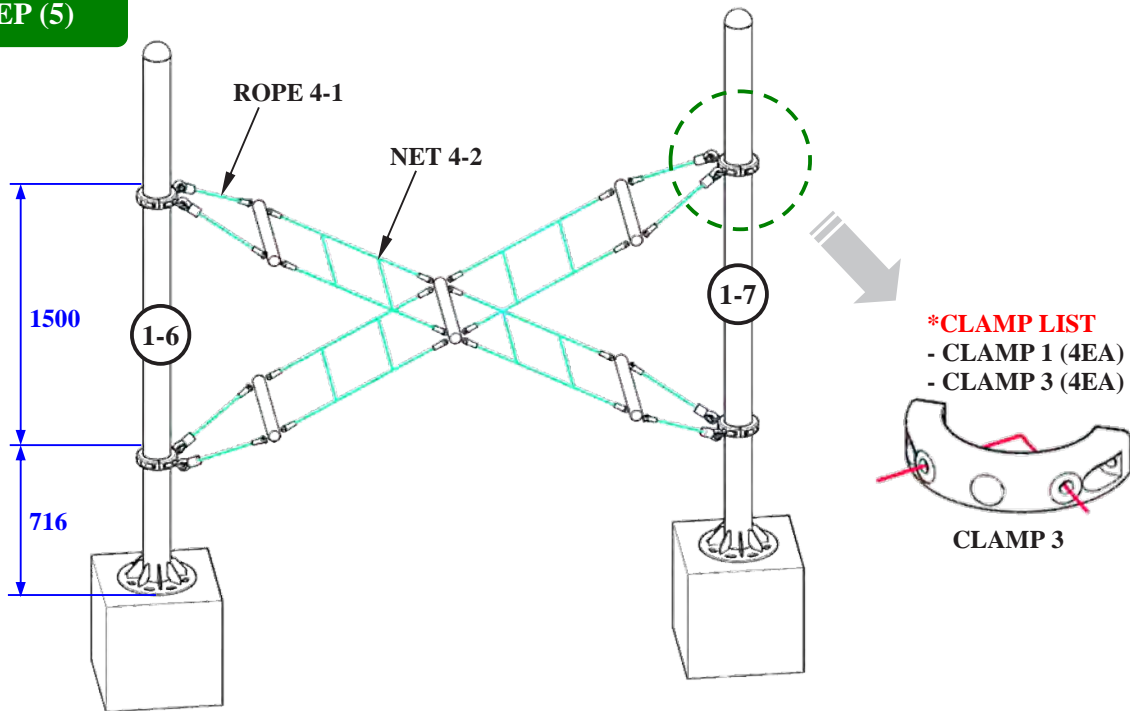


Figure -13-1: Net Assembly (5)

STEP (6)

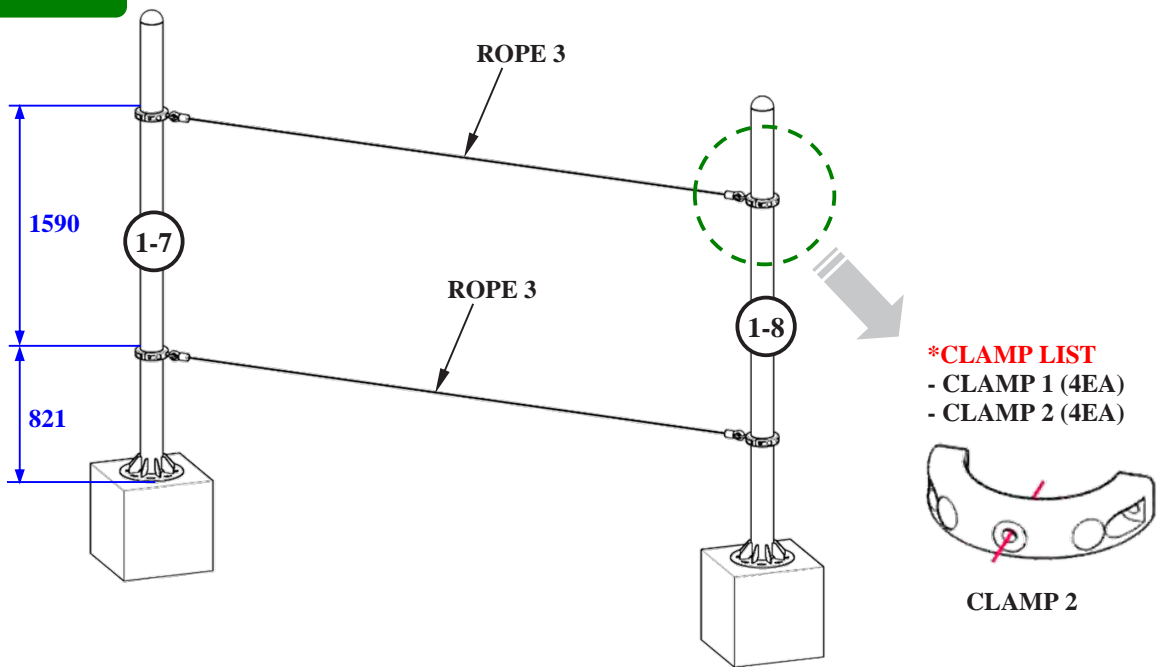


Figure -13-2: Net Assembly (6)

ASSEMBLY: NET (7), (8)

STEP (7)

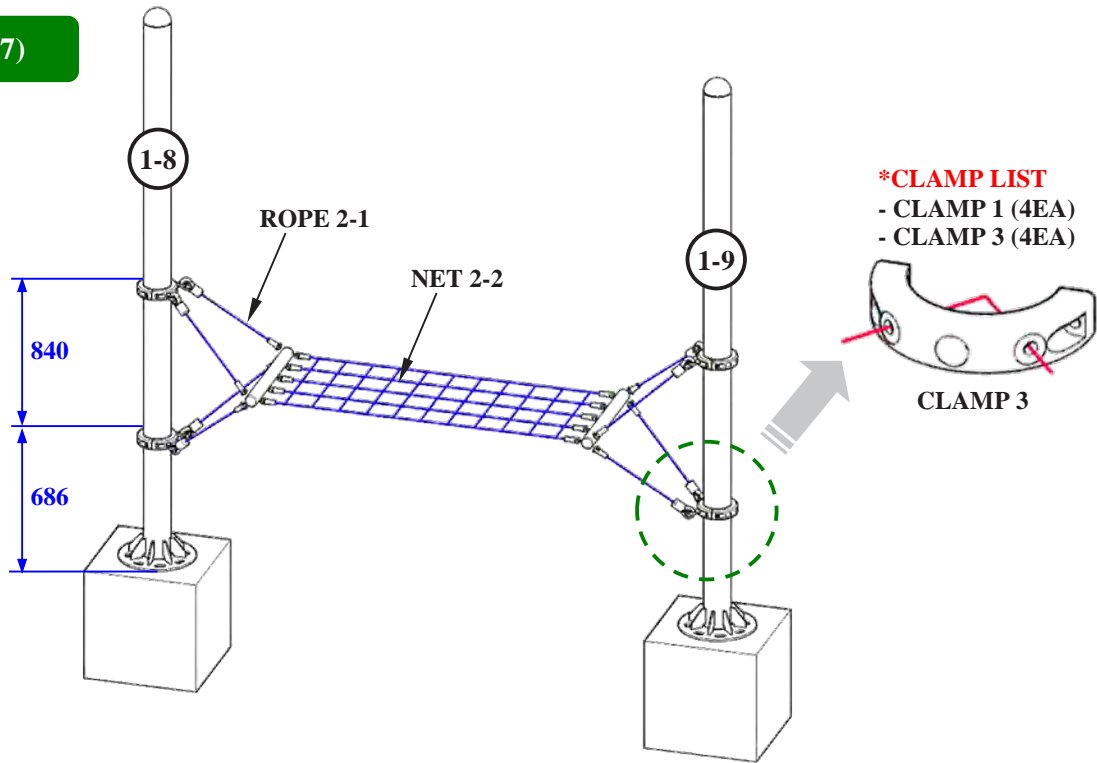


Figure -14-1: Net Assembly (7)

STEP (8)

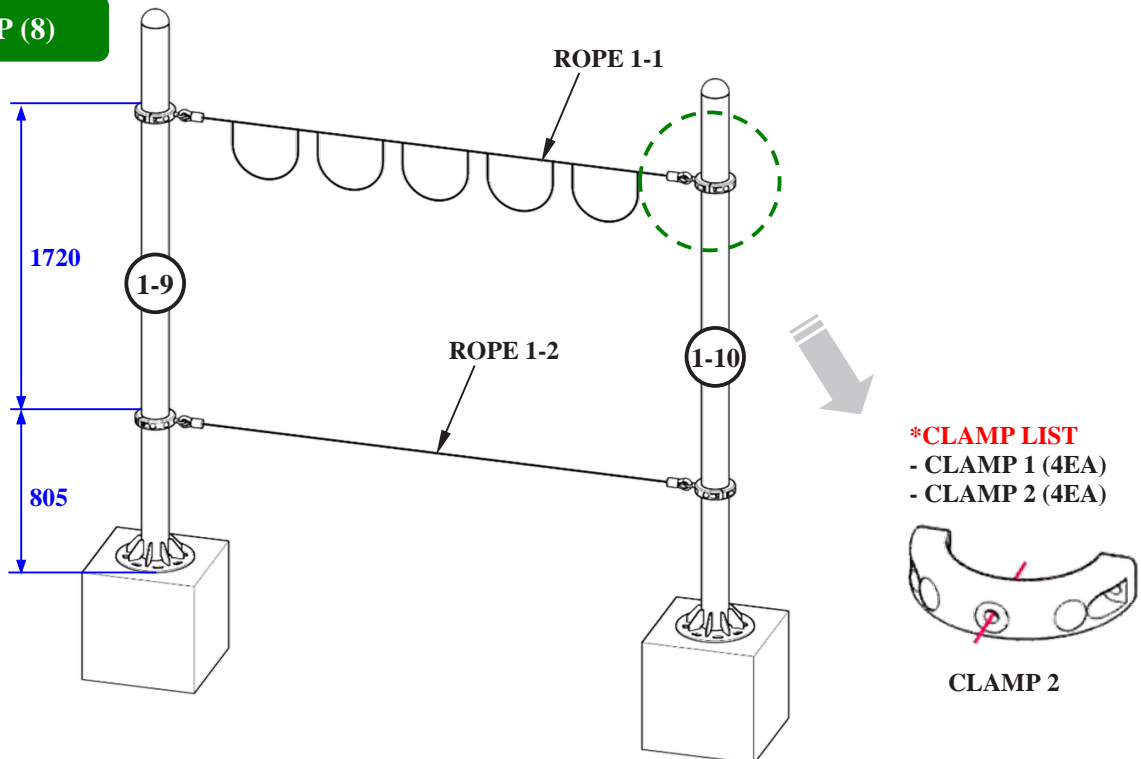


Figure -14-2: Net Assembly (8)

ASSEMBLY: NET (9), (10)

STEP (9)

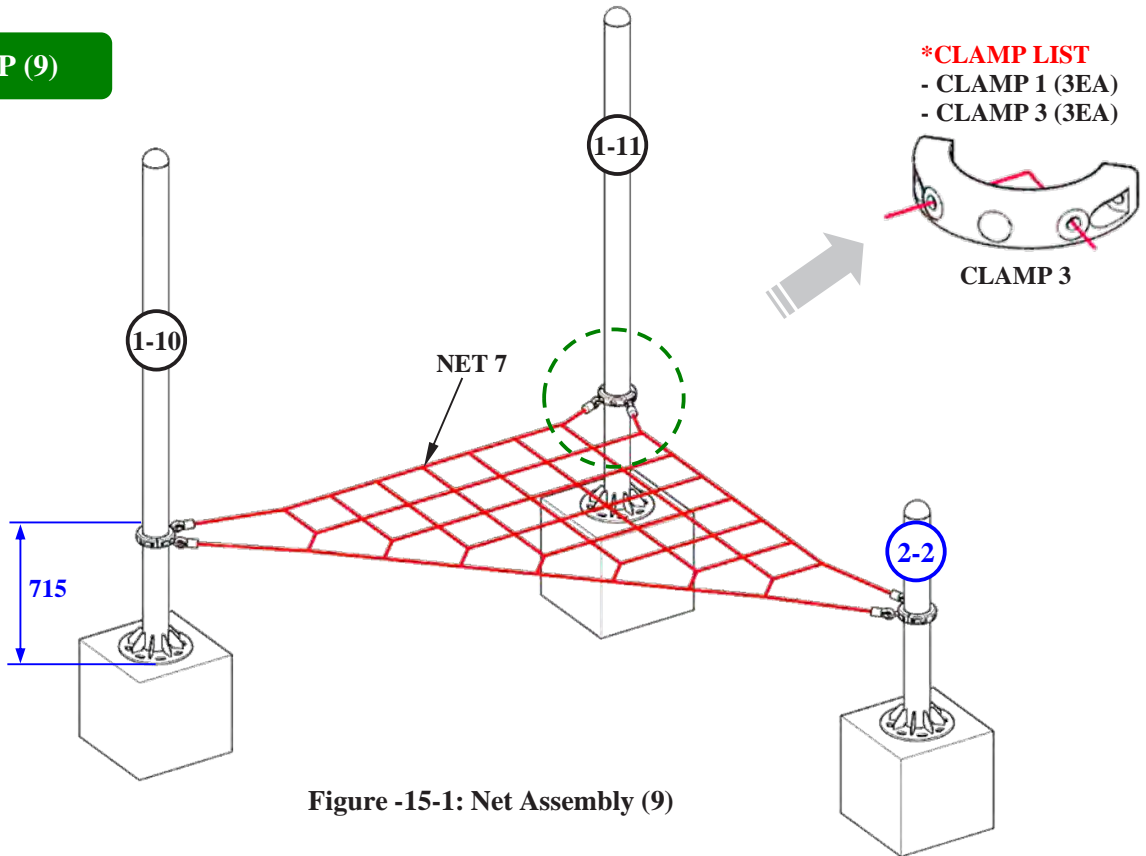


Figure -15-1: Net Assembly (9)

STEP (10)

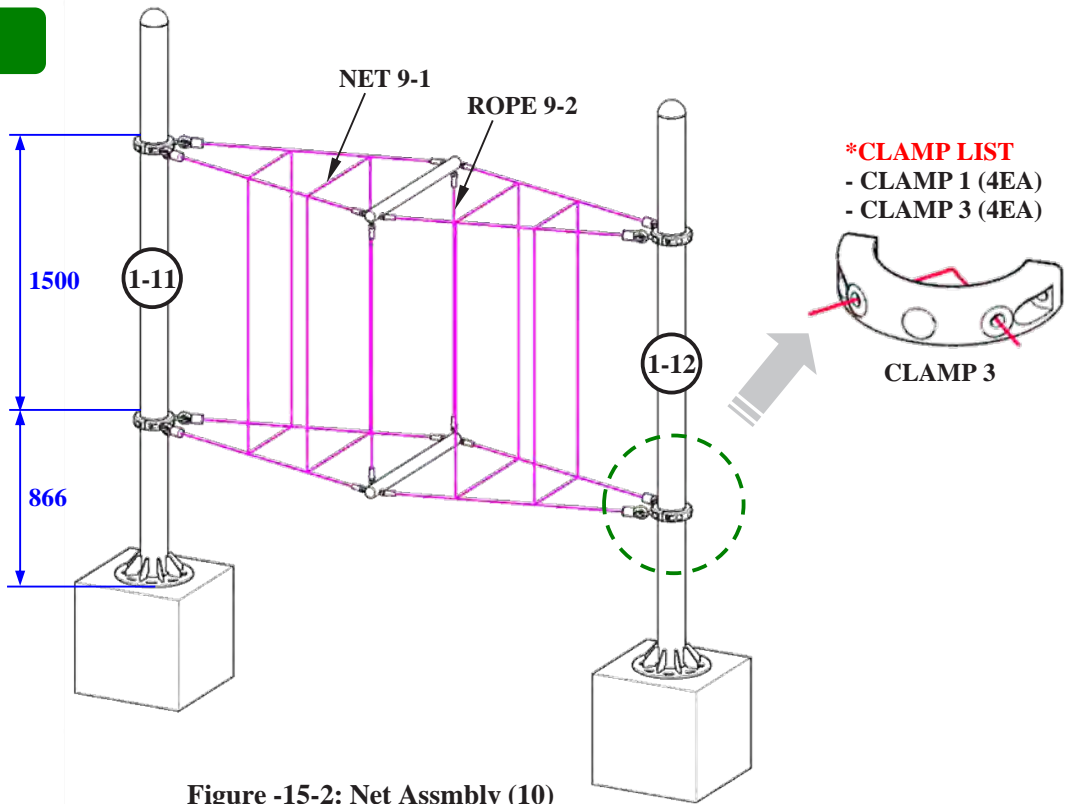


Figure -15-2: Net Assembly (10)

STEP (11)

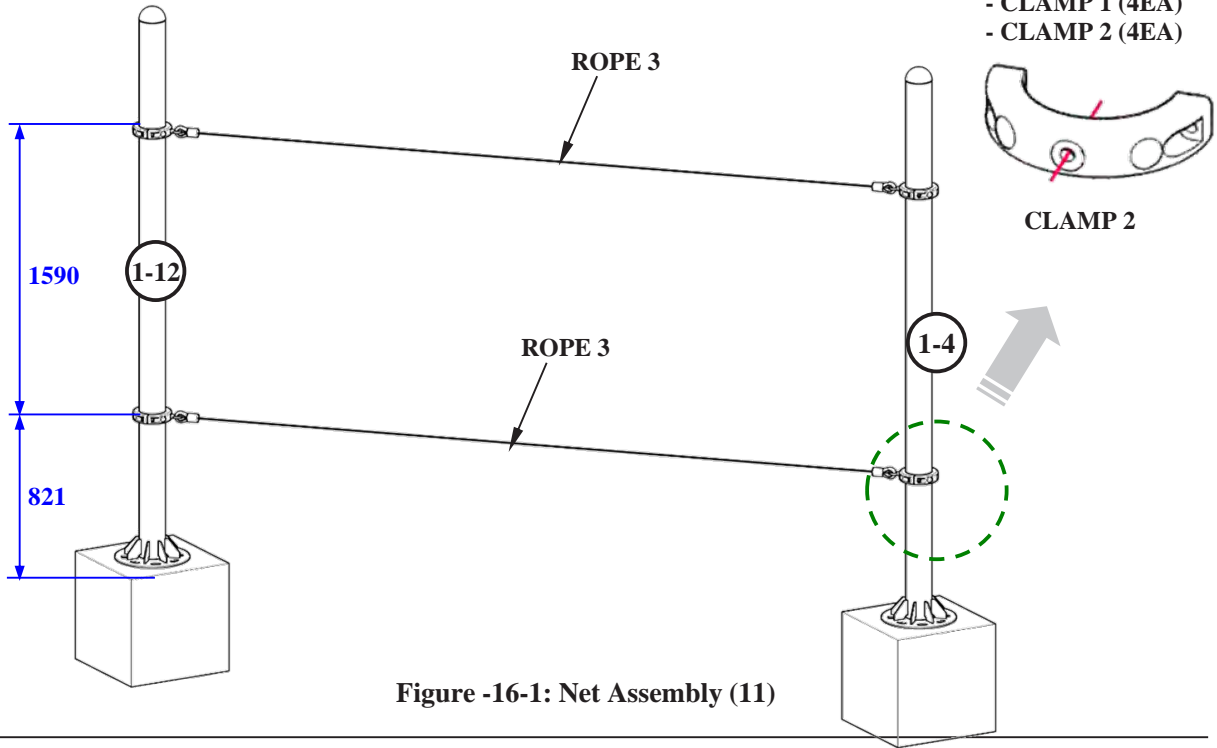


Figure -16-1: Net Assembly (11)

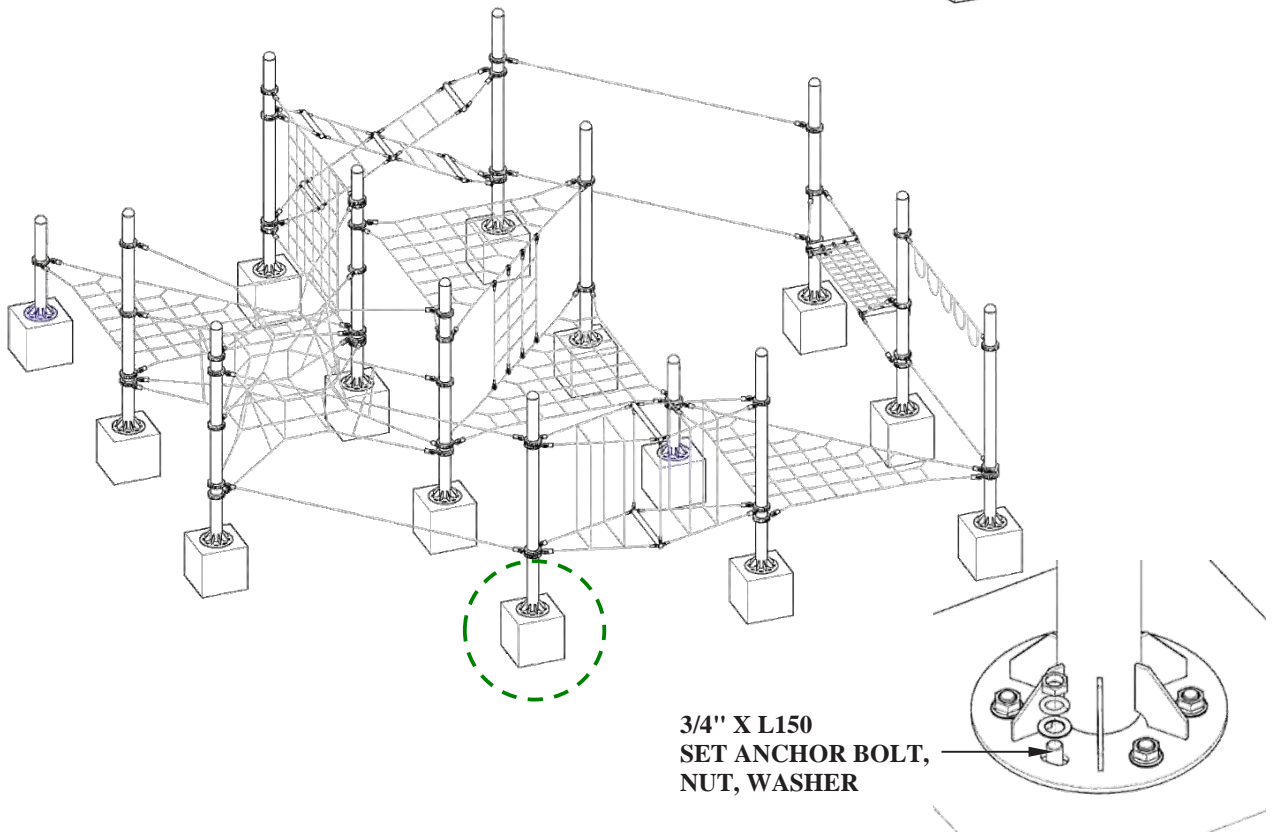
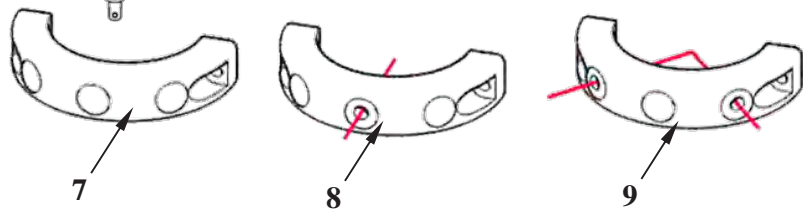
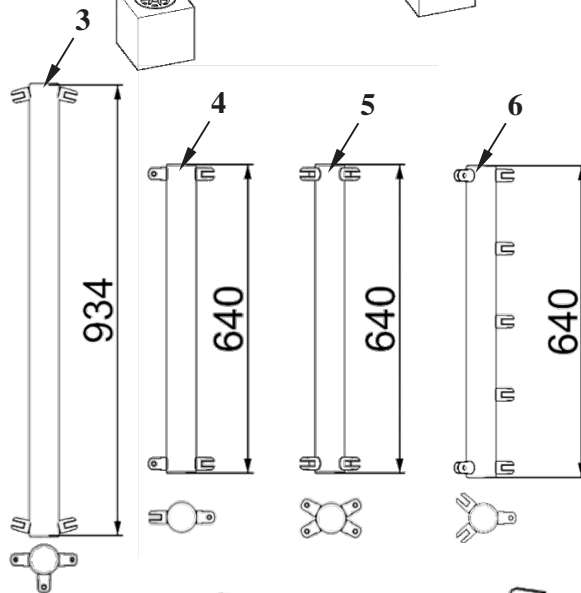
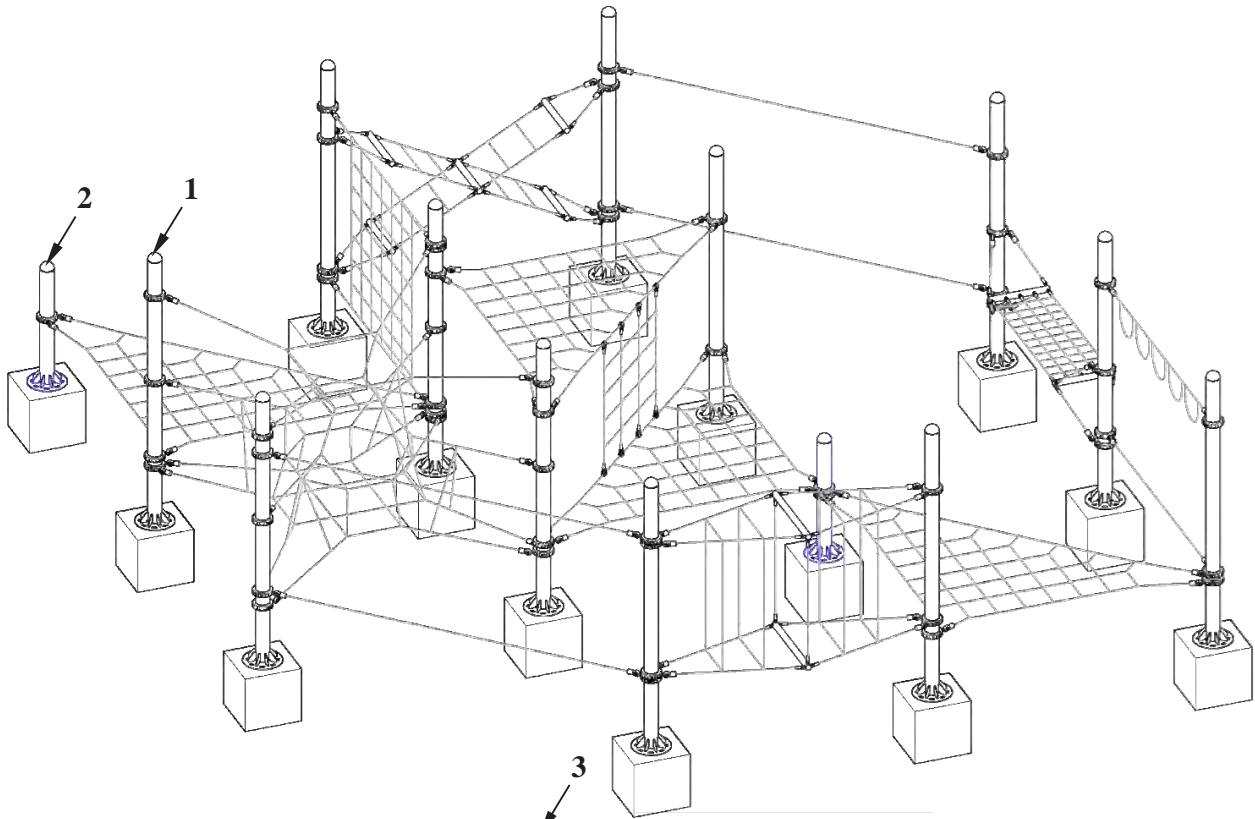
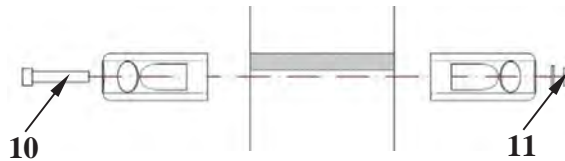


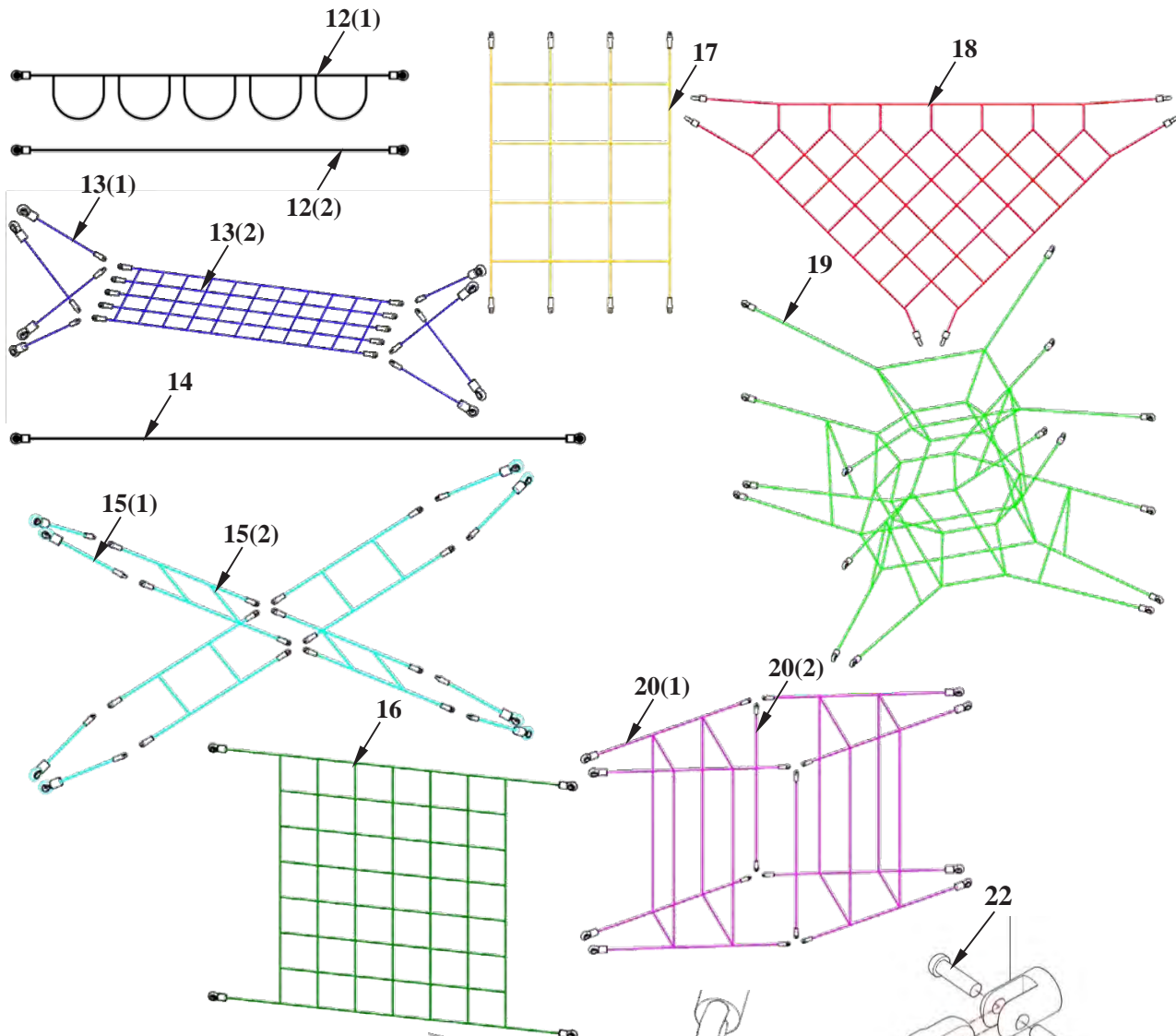
Figure -16-2: post Assembly



- 1: MAIN POST (1) H3000
- 2: MAIN POST (2) H1300
- 3: AL POST(1) H934
- 4: AL POST(2) H640
- 5: AL POST(3) H640
- 6: AL POST(4) H640

-
- 7: CLAMP 1
 - 8: CLAMP 2
 - 9: CLAMP 3
 - 10: M10 X L65 WRENCH BOLT
 - 11: M10 LOCK NUT, WASHER





- 12: ROPE (1-1, 1-2)
- 13: ROPE (2-1), NET (2-2)
- 14: ROPE (3)
- 15: ROPE (4-1), NET (4-2)
- 16: NET (5)
- 17: NET (6)
- 18: NET (7)
- 19: NET (8)
- 20: NET (9-1), ROPE (9-2)

21: M12 LOCK NUT, WASHER

22: M6 X L17 JOINT FIX BOLT

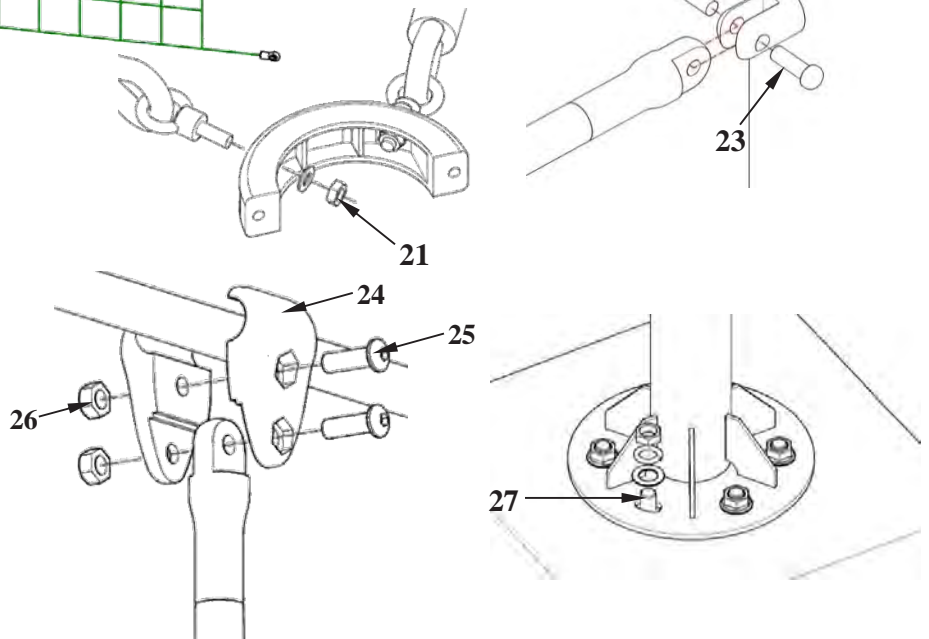
23: M6 X L20 JOINT FIX NUT

24: ROPE CLAMP

25: M8 X L25 HSCS BOLT

26: M8 LOCK NUT

27: 3/4"(M20) X L150
SET ANCHOR BOLT,
NUT, WASHER



AFTER INSTALLATION: BEFORE OPENING FOR PLAY, RECOMMENDATIONS

Inspect Equipment for Correct Installation

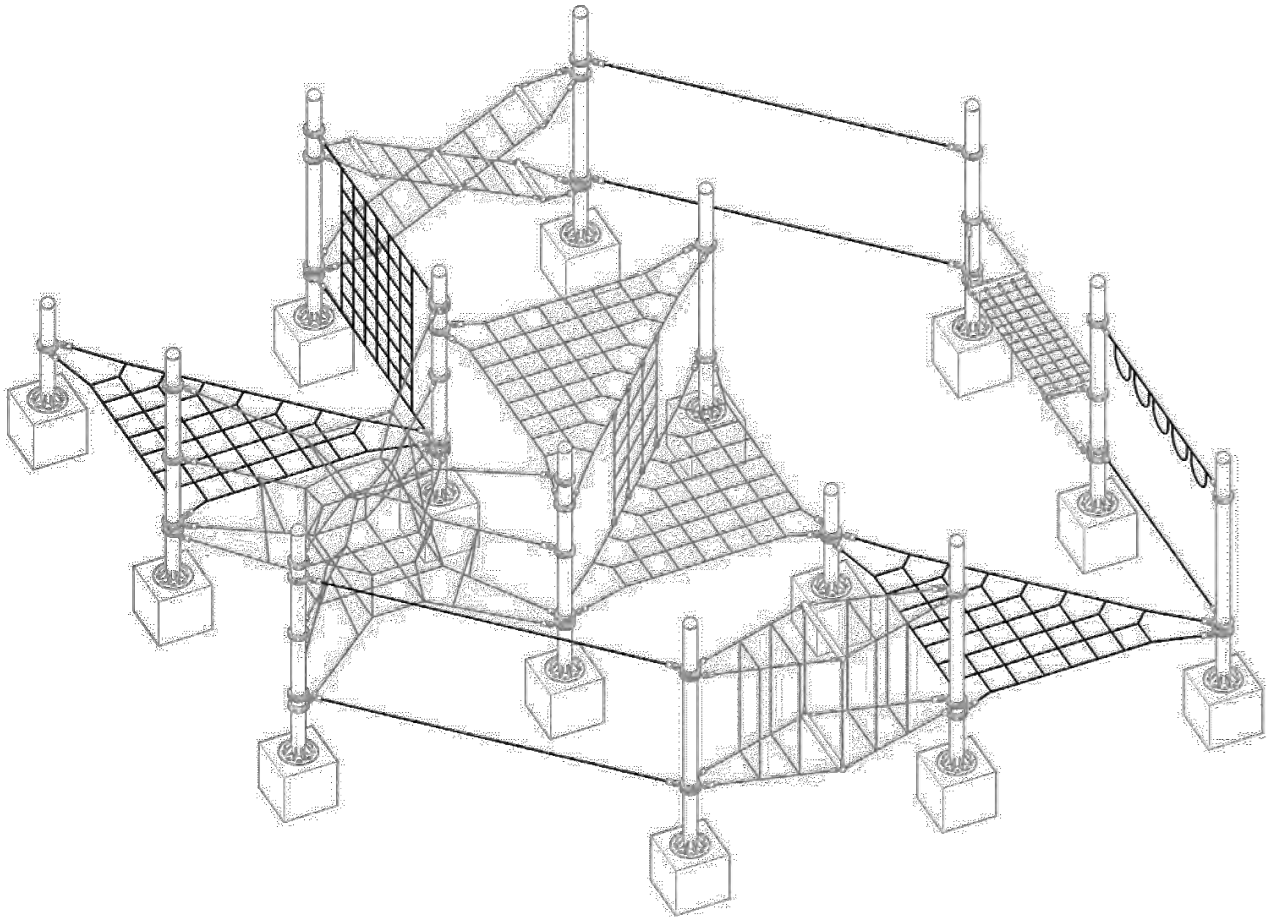
If the equipment has not been installed correctly, do not open for play and take necessary precautions to keep closed until installation is correct, complete and re-inspected.

Protective Surfacing

Make sure appropriate playground surfacing has been installed to meet applicable standards.

Remove All Assembly Aids

Please make sure that all tools and assembly aids have been removed from the playing area before opening for play.



AFTER INSTALLATION: MAINTENANCE

This equipment should be installed, inspected for proper installation, maintained and operated in accordance with applicable safety standards.

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.

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.

Maintenance Inspection – Frequency and Process

Because play equipment and surfacing are subject to changes from use, abuse, and climate, they must be inspected on a regular basis. The frequency of inspection will be determined by many factors including equipment age, use, and materials, and external factors like the age of the users, climate, and vandalism. Regardless of site-specific attributes of the playground, two types of inspections should be performed on all playgrounds: low frequency and high frequency.

Low Frequency Inspections

Often performed quarterly or semi-annually, low frequency inspections are in-depth investigations of the equipment and surfacing looking for wear and tear. This inspection requires a staff member with mechanical knowledge and extensive knowledge about play equipment and surfacing standards. During or immediately after the inspection, staff should do preventive maintenance and repairs and/or remove damaged equipment to remedy problems discovered in the inspection.

High Frequency Inspections

Often performed daily or weekly, high frequency inspections look at frequently changing conditions caused by use, weather, and/or vandalism. During a high frequency inspection, staff checks and corrects playground conditions such as loose-fill surfacing depths, sanitation issues, and the presence of trash and debris. If any hazards are discovered, staff should follow school or agency procedures such as completing documentation, taking the area out of use, and/or correcting the problem.

Loose hardware

Loose hardware can cause quality problems and put safety at risk. Therefore, loose hardware should always be tightened, and checks carried out to ensure that there are no missing parts.

Identifying replacement parts

All replacement parts are listed in the parts list. The parts list follows the installation requirements.

Actions to be taken during the break-in period

No later than 2 weeks after assembly, all hardware connections should be checked and tightened if necessary. One of the most important factors in proper maintenance is maintaining proper net tension. Net re-tensioning will be required after the first 60-90 days of use and then must be checked again on an annual basis.

Re-tensioning Nets with Connector Balls with Eyebolts

Remove the connector cap. Loosen the outside nut on the eyebolt, then tighten the net by tightening the inside nut. It is very important to adjust the overall net tension evenly by working each connection in a balanced progression. Do not over tighten one eyebolt and skew the net or put too much strain on one portion of the net.

Re-tensioning Nets with Turnbuckles

First prepare the turnbuckle by temporarily removing the loose fill material or by removing the poured-in-place box housing enclosure. With a large wrench, turn the center part of the turnbuckle to tighten. If the turnbuckle is at its maximum tension, it may be necessary to loosen the turnbuckle and reposition the attachment anchor plated. It is very important to adjust the overall net tension evenly by working each turnbuckle in a balanced progression. Do not over tighten one turnbuckle and skew the net or put too much strain on one portion of the net.

Maintenance of protective surfaces

Surfaces providing fall protection must also be maintained regularly. It is particularly important to maintain the correct level of loose surface material and add more if necessary (refer to applicable standards).

Damage

Damaged equipment must be repaired as soon as possible. If serious defects that affect the safety and cannot be repaired immediately, the equipment then must be closed to prevent further use.



LANDMARK DESIGN

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1-800-235-2440

ISSUED/REVISED: 9/21/2022

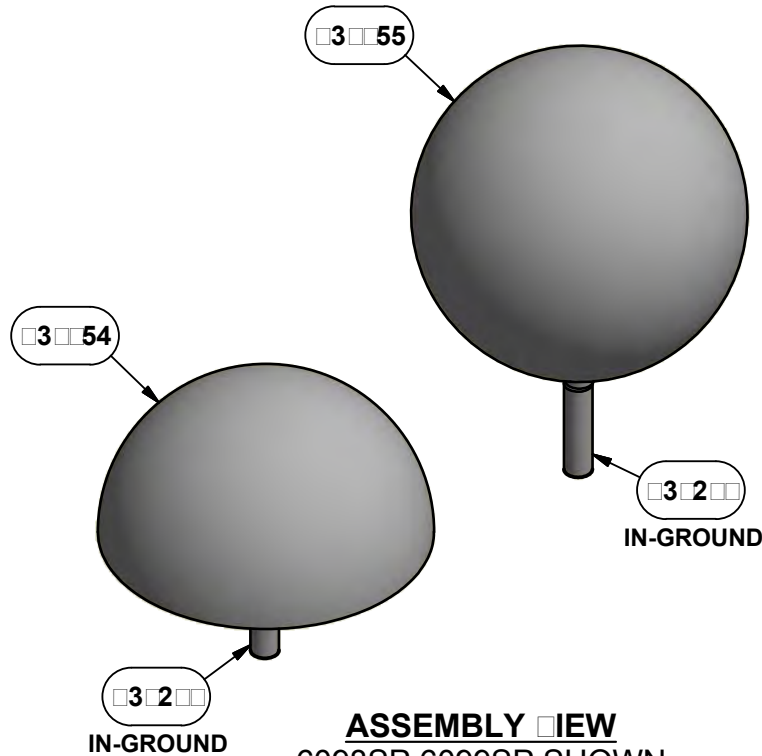
6094SP

HALF SPHERE STANDARD 14"

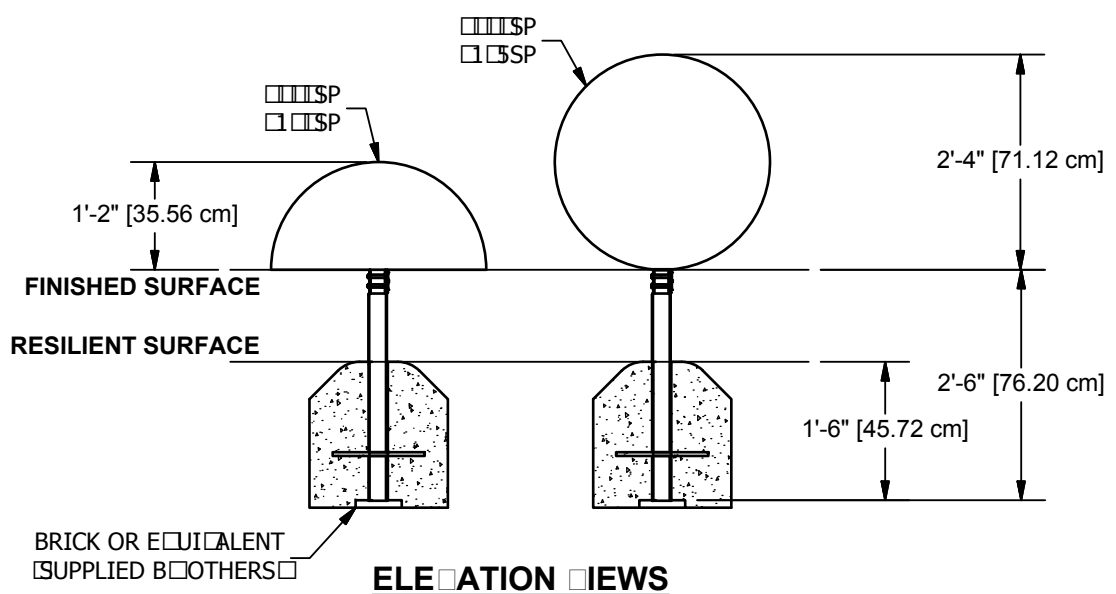
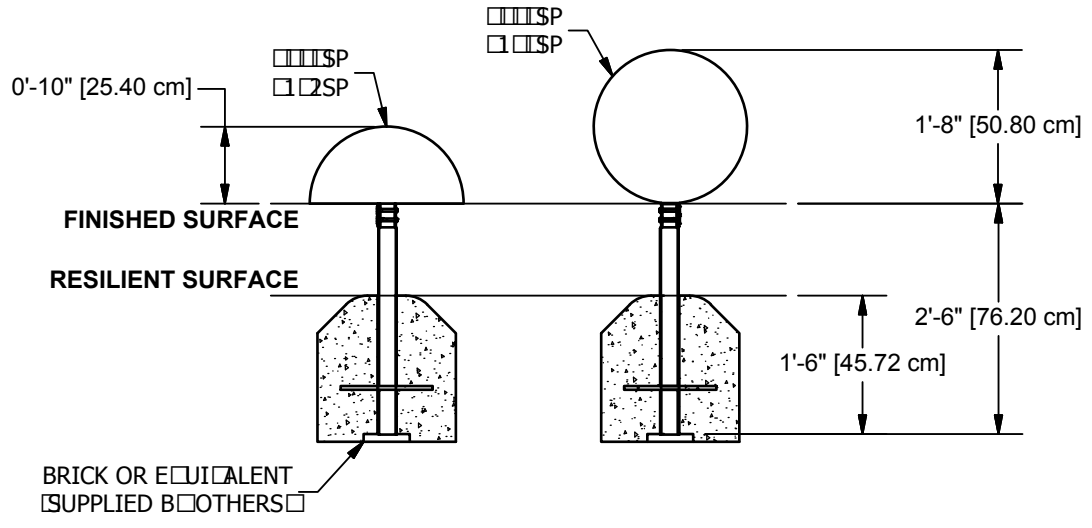
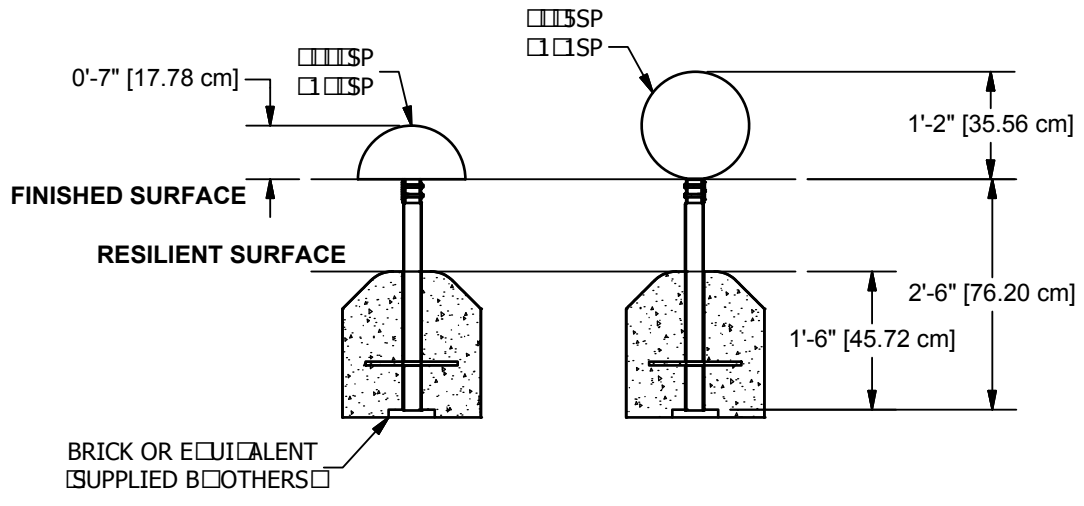
INSTALLATION INSTRUCTIONS

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

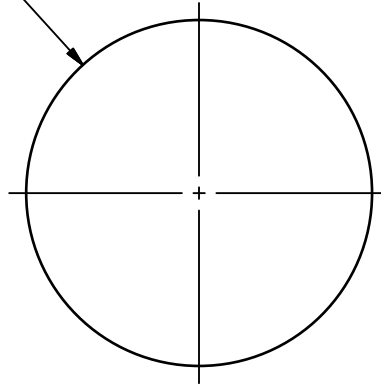
HALF SPHERE, STANDARD 14"	6094SP
FULL SPHERE, STANDARD 14"	6095SP
HALF SPHERE, STANDARD 20"	6096SP
FULL SPHERE, STANDARD 20"	6097SP
HALF SPHERE, STANDARD 28"	6098SP
FULL SPHERE, STANDARD 28"	6099SP
HALF SPHERE, PREMIUM 14"	6100SP
FULL SPHERE, PREMIUM 14"	6101SP
HALF SPHERE, PREMIUM 20"	6102SP
FULL SPHERE, PREMIUM 20"	6103SP
HALF SPHERE, PREMIUM 28"	6104SP
FULL SPHERE, PREMIUM 28"	6105SP



ASSEMBLY VIEW
6098SP 6099SP SHOWN
OTHERS SIMILAR



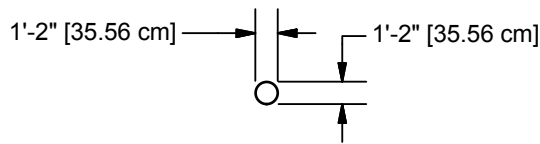
Ø1'-6" [Ø45.72 cm] DIAMETER x
2'-6" [76.20 cm] DEEP



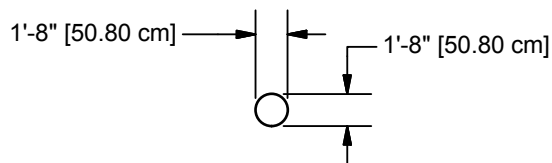
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

PLAN VIEW
6094SP SHOWN
OTHERS SIMILAR

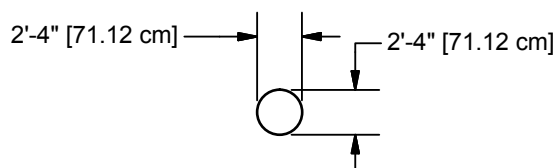
CONCRETE REQUIRED:
.10 CUBIC YARDS
[.08 CUBIC METERS]



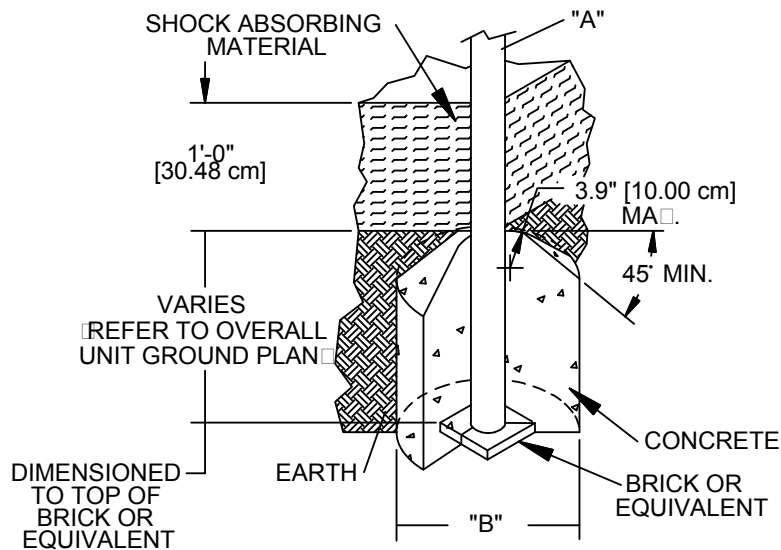
TOP VIEW
6094SP, 6095SP, 6100SP, 6101SP



TOP VIEW
6096SP, 6097SP, 6102SP, 6103SP



TOP VIEW
6098SP, 6099SP, 6104SP, 6105SP



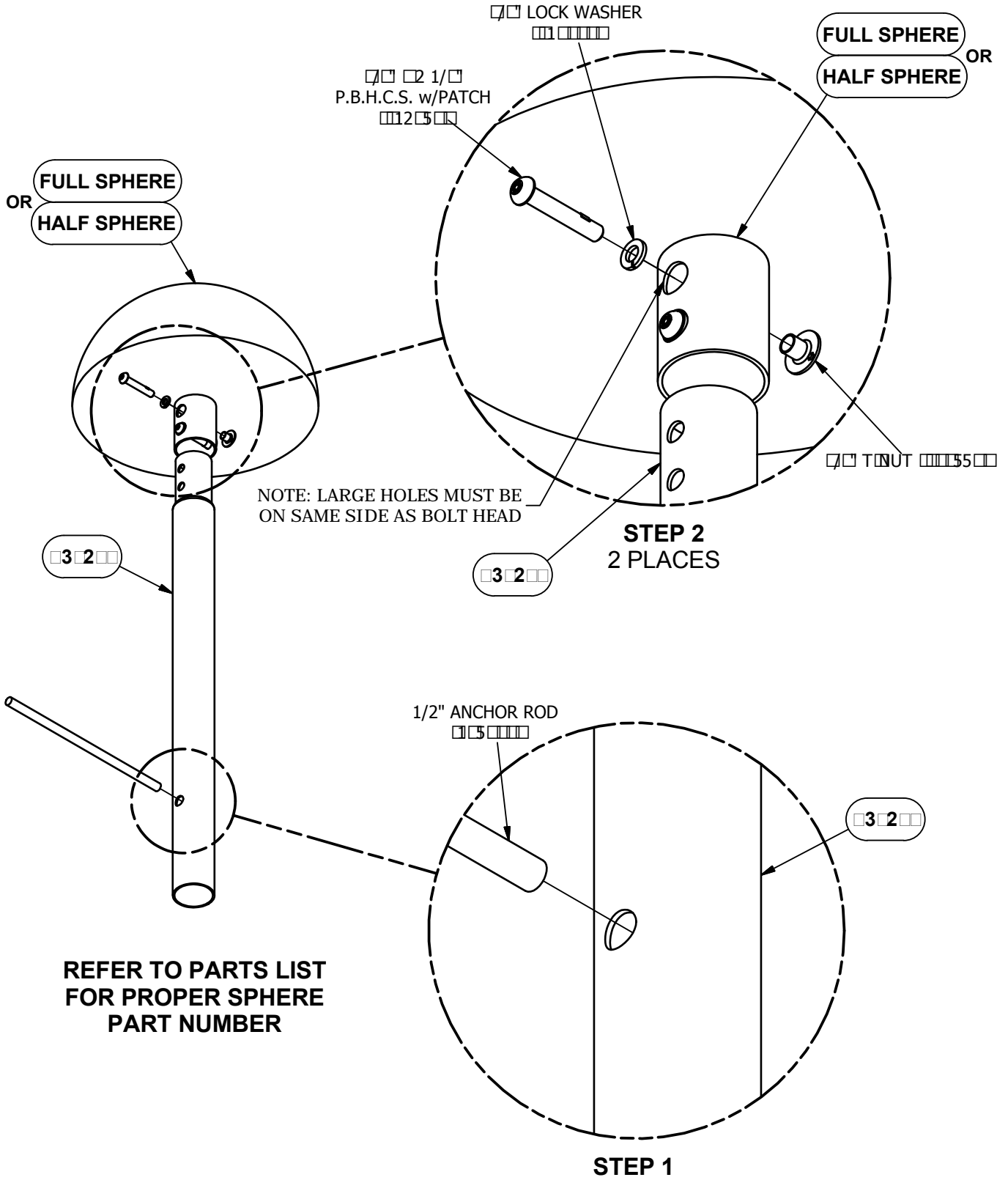
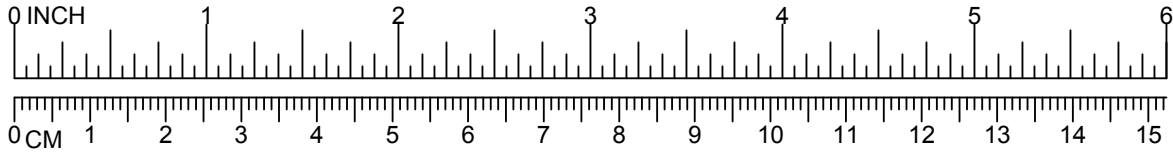
DIA. "A" PIPE SIZE	DIA. "B" FOOTING SIZE
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

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

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

FOOTING DETAIL



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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

NOTE: Refer to the Detail Views for the specific hardware required in each connection.

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

STEP 1: Attach Anchor Rod to Ground Extension. **REFER TO PAGE 5.**

STEP 2: Attach Half Sphere or Full Sphere to Ground Extension. **REFER TO PAGE 5.**

NOTE: Refer to Parts List for the proper Sphere part number.

SPECIFICATIONS

HALF AND FULL SPHERES (STANDARD) Shall be molded from organic pigment coated rubber granules. Mounting socket shall be fabricated from 2.375" O.D. x .095" 13 Gauge wall galvanized steel tubing.

HALF AND FULL SPHERES (PREMIUM) Shall be molded from solid color EPDM granules. Mounting socket shall be fabricated from 2.375" O.D. x .095" 13 Gauge wall galvanized steel tubing.

GROUND EXTENSION: Shall be fabricated from 2-3/8" O.D. x .095" 13 Gauge wall galvanized steel tubing. Ground Extension shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specification outlined herein.

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

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

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



LANDMARK DESIGN

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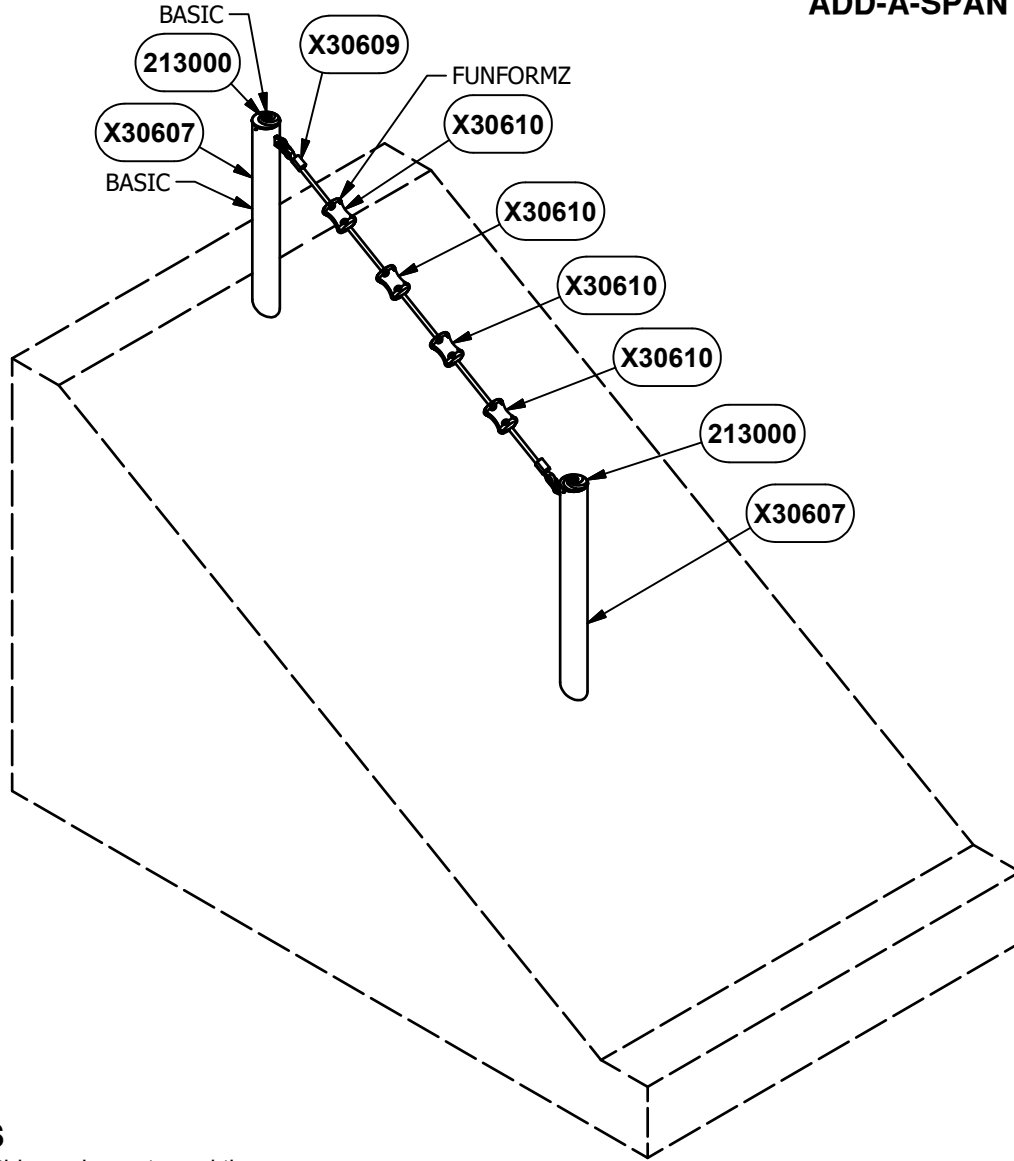
1-800-235-2440

ISSUED/REVISED: 10/24/2022

6224SP HILLSIDE TUG ROPE W/HANDHOLD



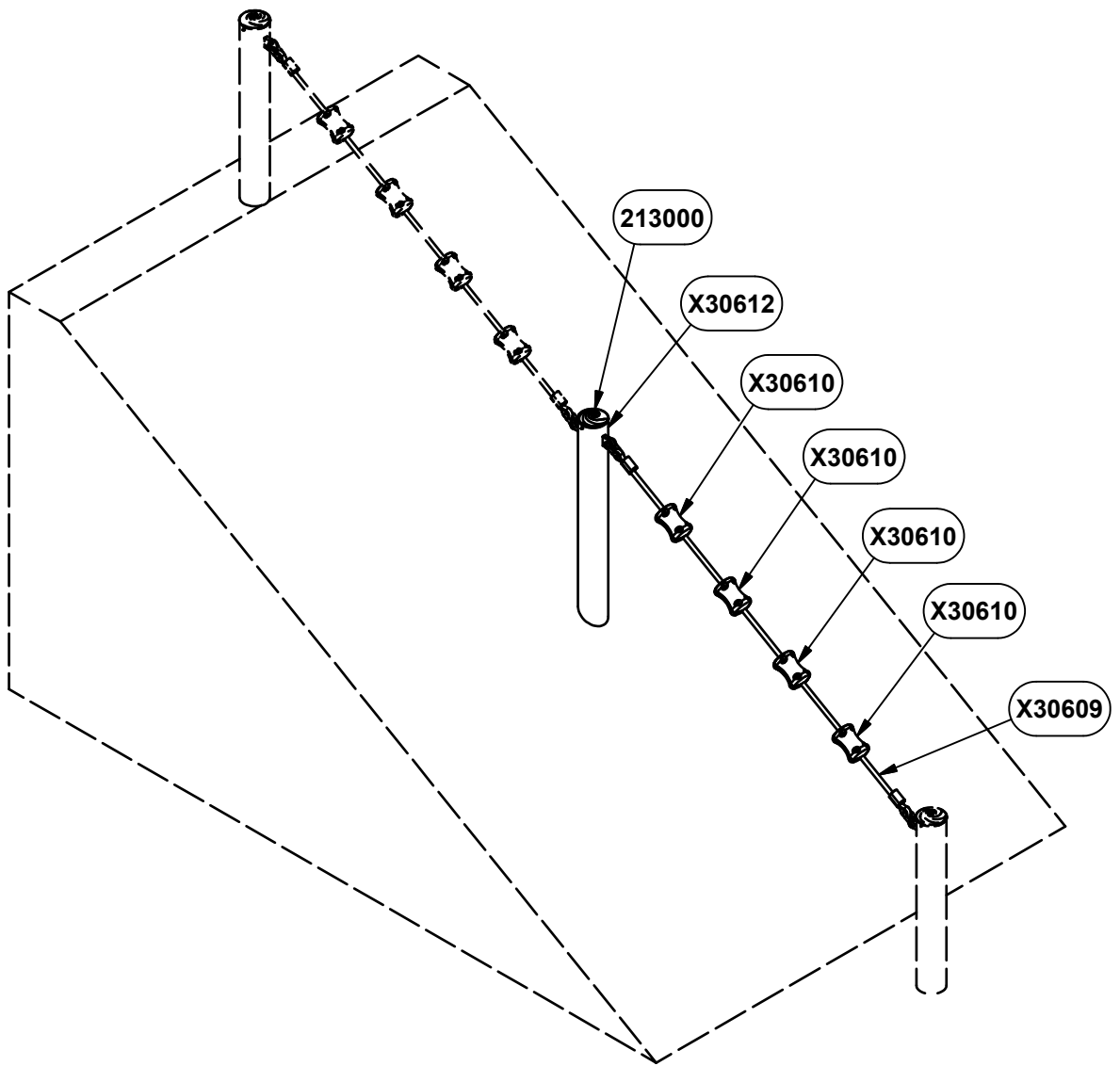
6224SP
ADD-A-SPAN 6225SP



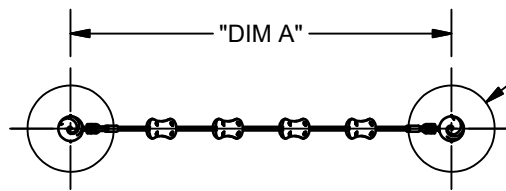
ASSEMBLY VIEW
6224SP

INSTALLATION INSTRUCTIONS

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



ASSEMBLY VIEW
6225SP



Ø1'-6" [Ø45.72 cm] DIAMETER x
3'-6" [106.68 cm] DEEP
(2 REQ'D) FOR 6224SP
(1 REQ'D) FOR 6225SP

PLAN VIEW
6224SP SHOWN
6225SP SIMILAR

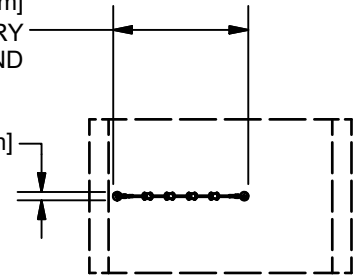
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

6224SP
CONCRETE REQUIRED:
.33 CUBIC YARDS
[.25 CUBIC METERS]

6225SP
CONCRETE REQUIRED:
.16 CUBIC YARDS
[.13 CUBIC METERS]

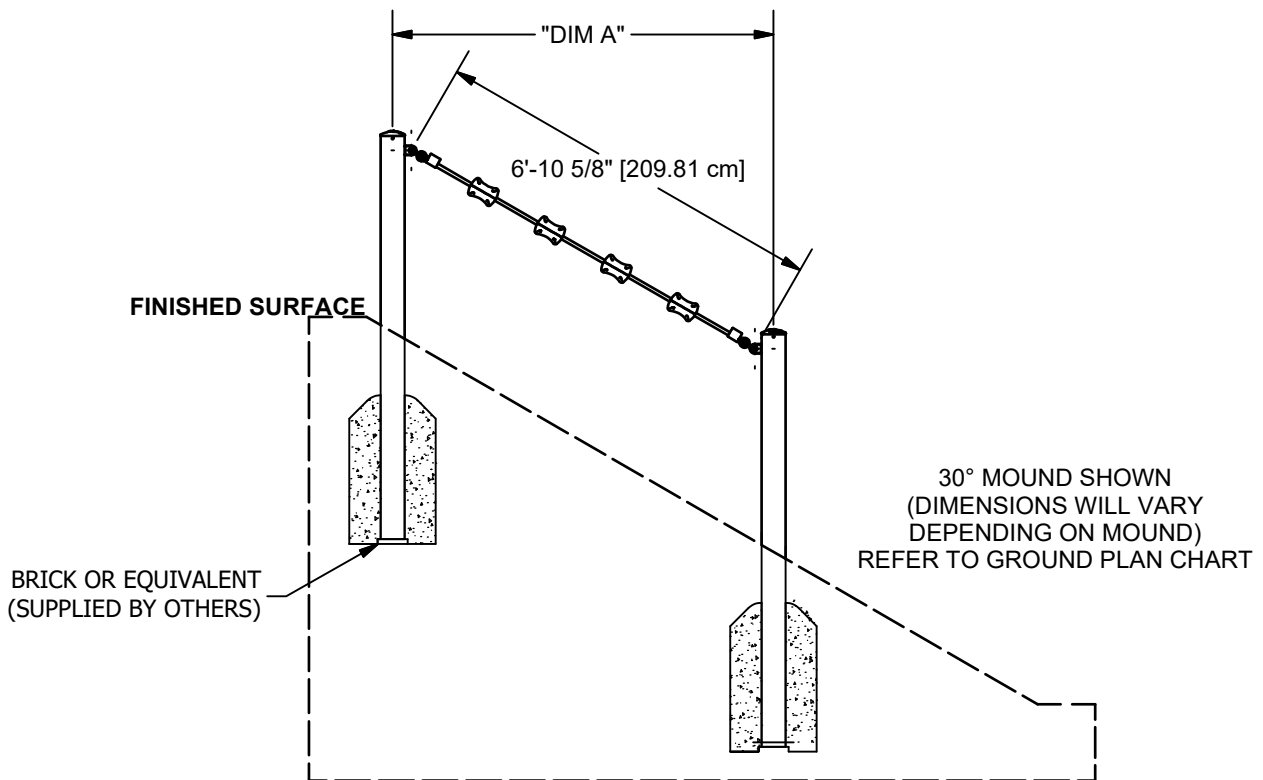
7'- 1/2" [214.67 cm]
DIMENSION WILL VARY
DEPENDING ON MOUND

0'-5 1/8" [13.09 cm]



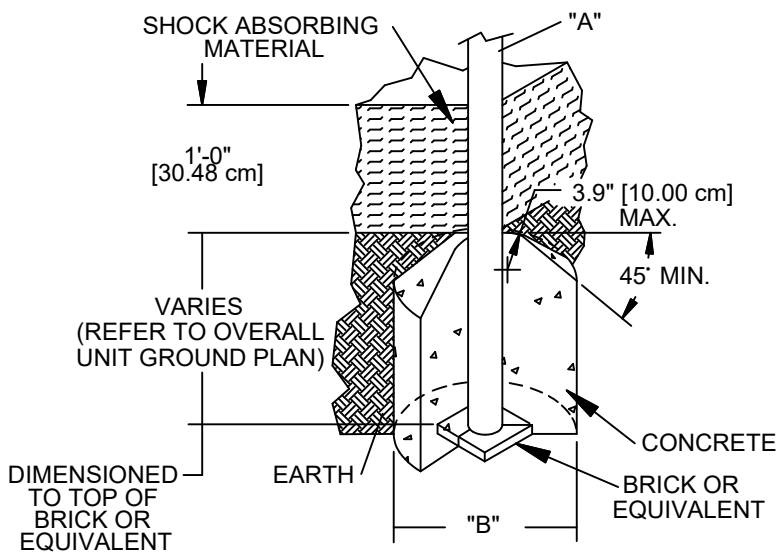
TOP VIEW
6224SP SHOWN
6225SP SIMILAR

GROUND PLAN CHART	
MOUND ANGLE	DIM A
0°	7'-6 7/16" [229.68 cm]
15°	7'-3 5/8" [222.54 cm]
30°	6'-7 3/8" [201.58 cm]
45°	5'-6 1/4" [168.23 cm]



30° MOUND SHOWN
(DIMENSIONS WILL VARY
DEPENDING ON MOUND)
REFER TO GROUND PLAN CHART

ELEVATION VIEW
6224SP SHOWN
6225SP SIMILAR



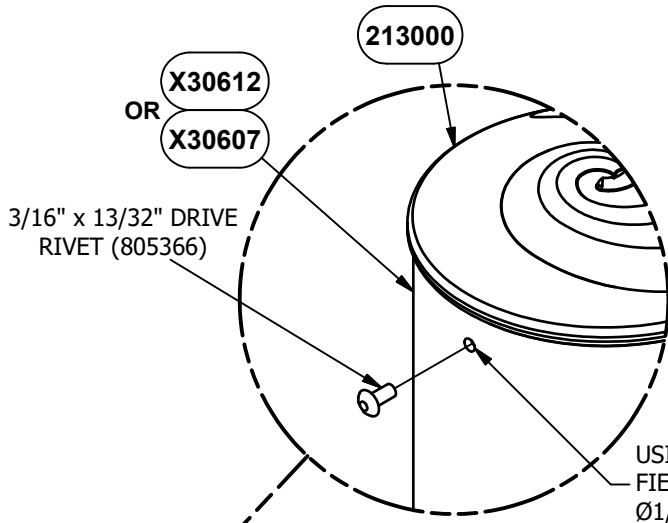
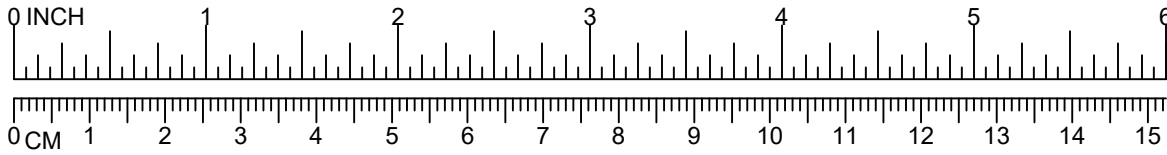
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

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

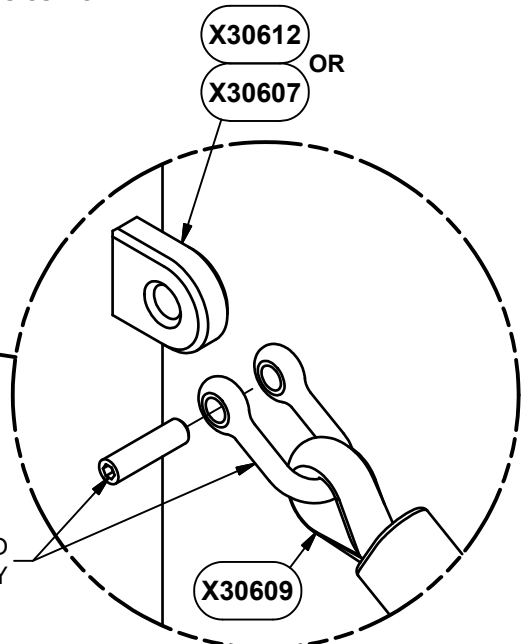
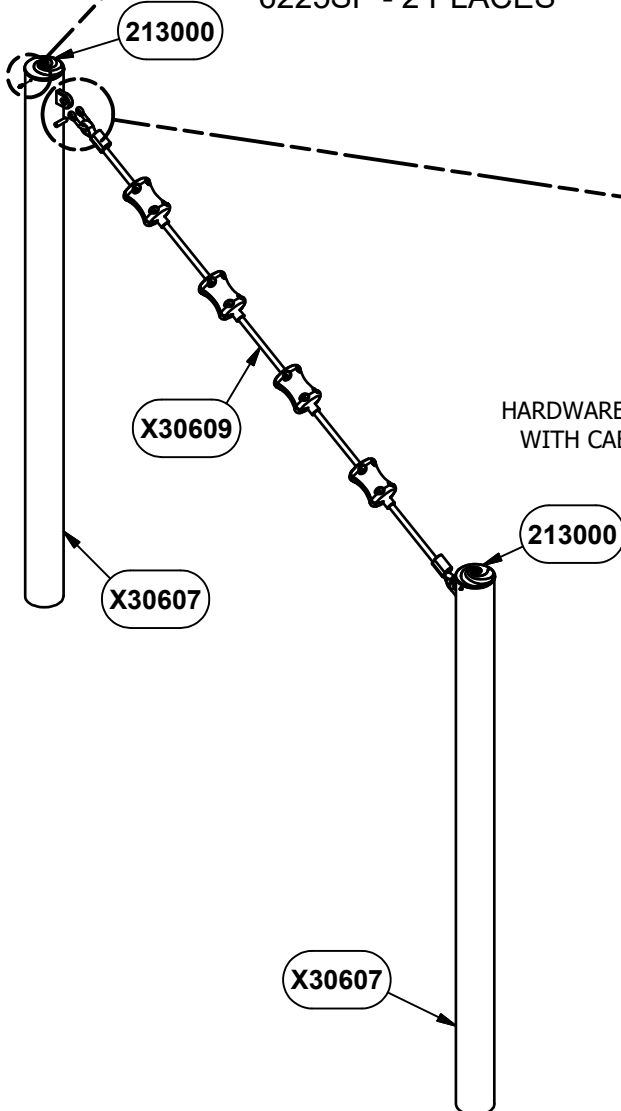
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

FOOTING DETAIL



USING UPRIGHT AS TEMPLATE,
FIELD DRILL CAPS USING
Ø1/8" DRILL BIT

STEP 1
6224SP - 4 PLACES
6225SP - 2 PLACES

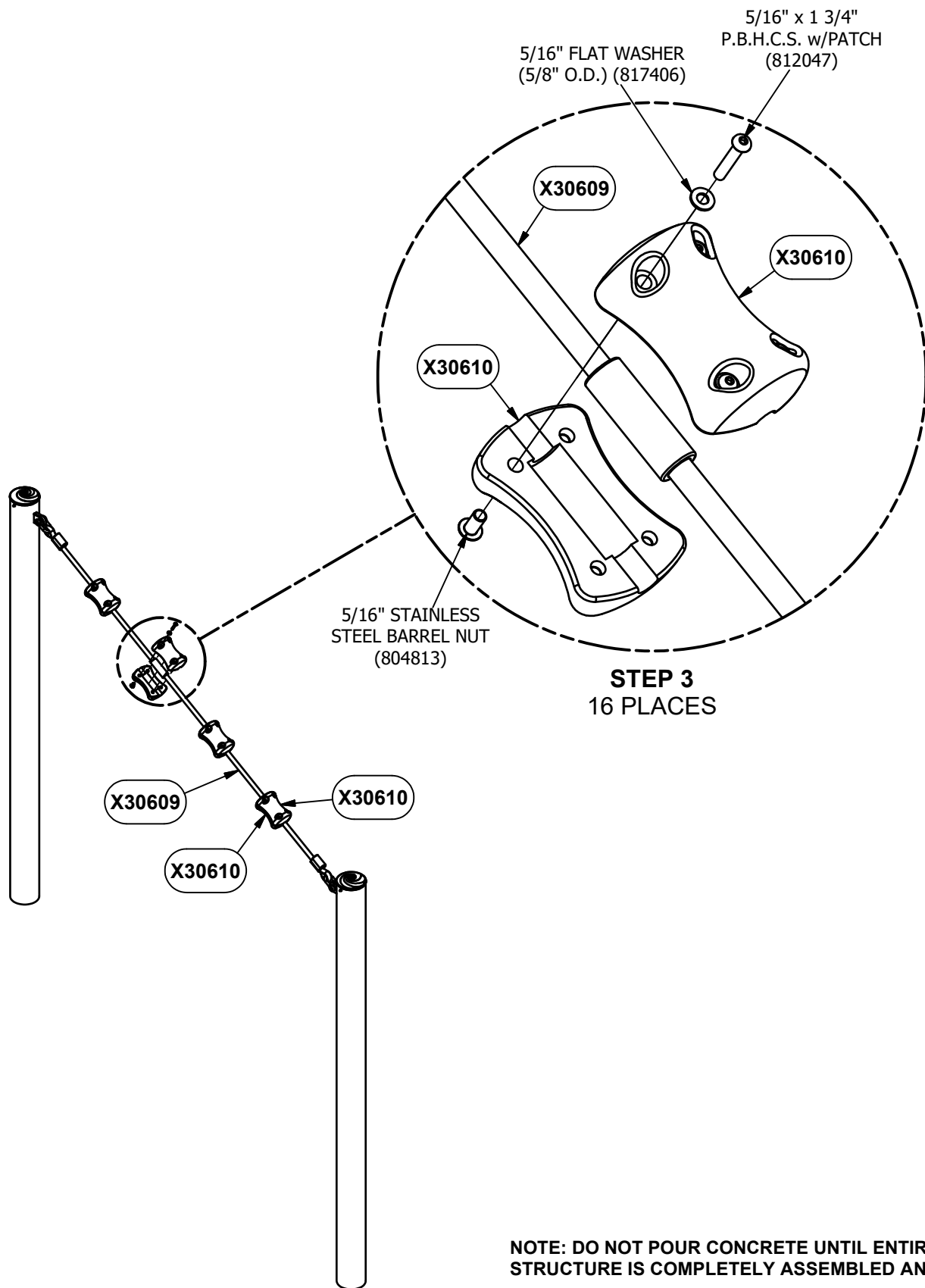
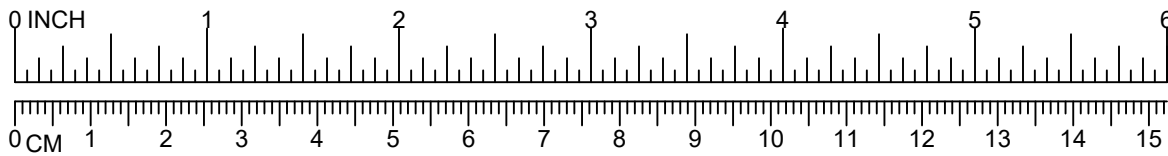


HARDWARE IS INCLUDED
WITH CABLE ASSEMBLY

STEP 2
6224SP - 2 PLACES
6225SP - 1 PLACE

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

DETAIL VIEW



STEP 3
16 PLACES

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

DETAIL VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

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

STEP 1: Attach Swirl Caps to Hillside Tug Rope Weld Assemblies. **NOTE:** Using Upright as template, field drill Swirl Caps using Ø1/8" drill bit. **REFER TO PAGE 5.**

STEP 2: Attach Cable Assembly to Hillside Tug Rope Weld Assmbliies. **REFER TO PAGE 5.**

STEP 3: Attach Cable Handgrips to Cable Assembly. **REFER TO PAGE 6.**

SPECIFICATIONS

HILLSIDE TUG ROPE WELD ASSEMBLIES: Shall be fabricated from 5" O.D. x .120" (11 Gauge) wall galvanized steel tubing and 3/4" Thick H.R. Steel. Hillside Tug Rope Weld Assemblies shall be all weld assemblies and shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

HILLSIDE TUG ROPE CABLE ASSEMBLY: Shall be 19mm diameter UV protected Polyester twisted type with the following properties: -Calculated Tensile strength of >60kN -Quantity 6 Steel Strands 2.8mm diameter each -Steel Strands shall have Qty 19 steel wires .62mm each -Quantity 3 fiber core 2.7mm each.

CABLE HANDGRIP: Shall be fabricated from Urethane Resin.

SWIRL CAP: Shall be cast from 413 aluminum alloy and powder coated to match the upright. Swirl Cap shall be coated after fabrication with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein.

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

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

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

Parts List			
DESCRIPTION	6224SP	6225SP	PART NUMBER
HILLSIDE TUG ROPE WELD ASSEMBLY	2	0	X30607
HILLSIDE TUG ROPE DOUBLE WELD ASSEMBLY	0	1	X30612
HILLSIDE TUG ROPE CABLE ASSEMBLY	1	1	X30609
CABLE HANDGRIP	8	8	X30610
SWIRL CAP	2	1	213000
HARDWARE COMPLETE	1	0	6224HW
HARDWARE COMPLETE	0	1	6225HW
3/16" x 13/32" DRIVE RIVET	4	2	805366*
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	16	16	812047*
5/16" FLAT WASHER (5/8" O.D.)	16	16	817406*
5/16" STAINLESS STEEL BARREL NUT	16	16	804813*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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



6554SP

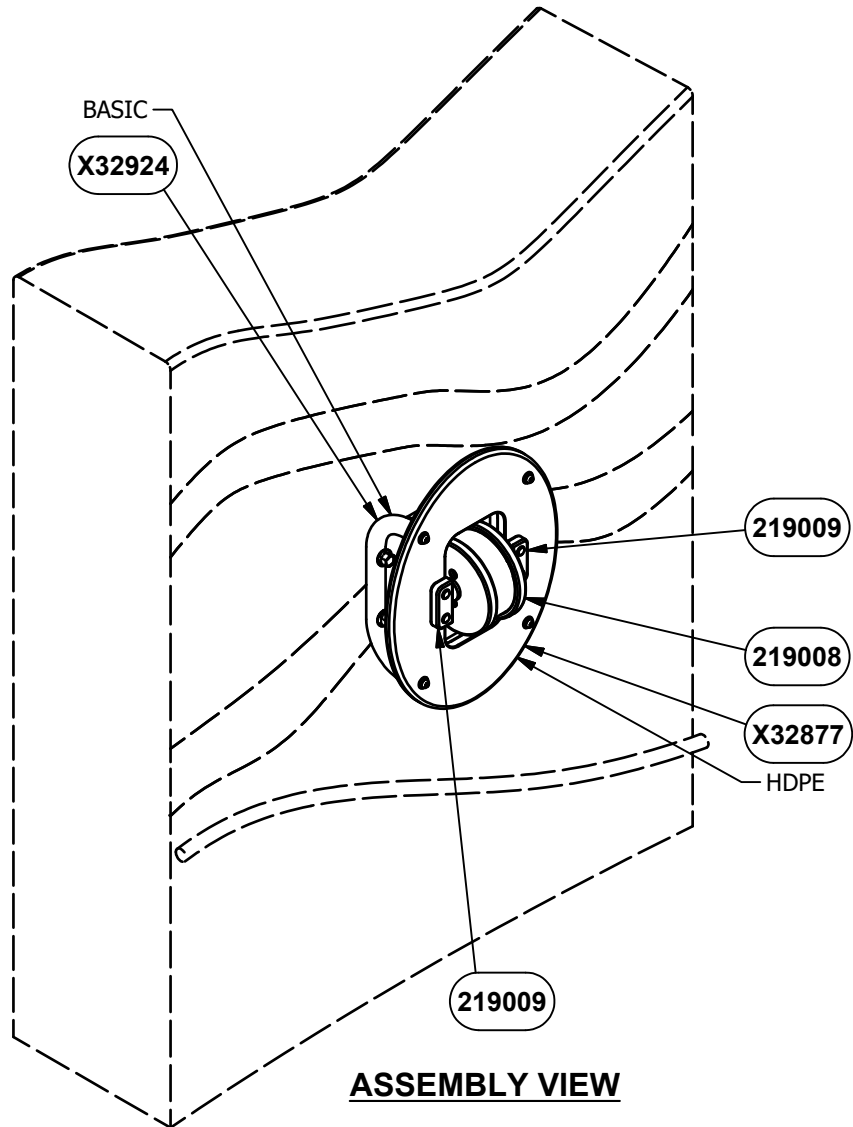
LANDMARK DESIGN

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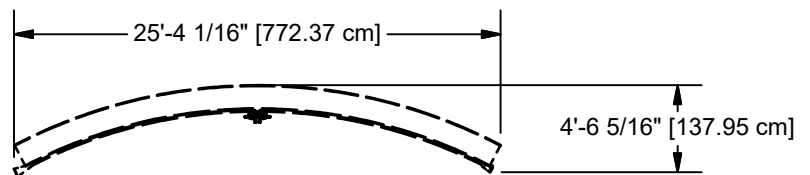
ISSUED/REVISED: 6/9/2022

MARACABASA

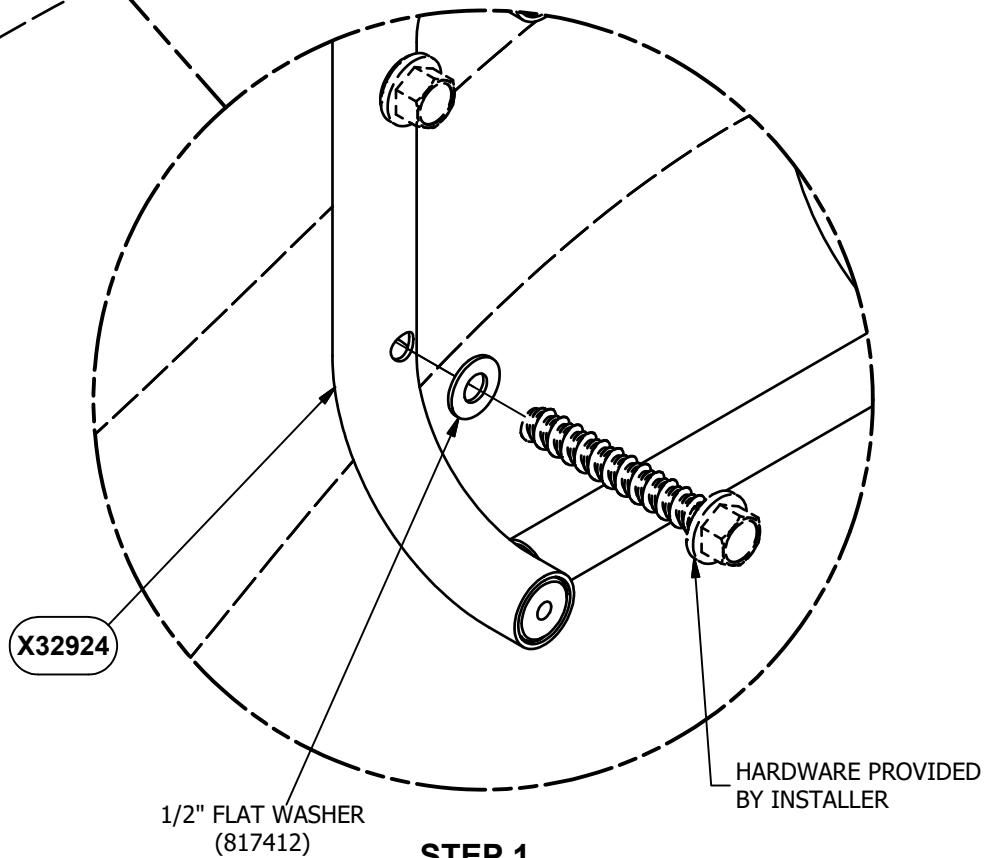
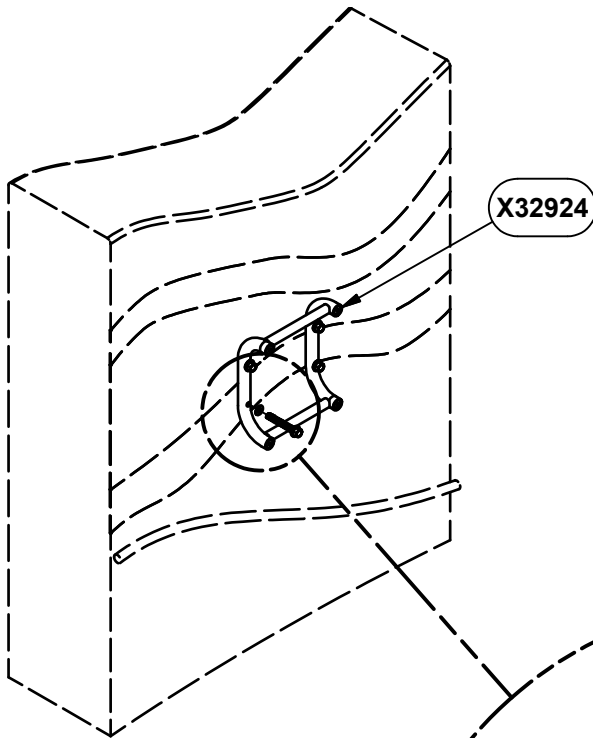
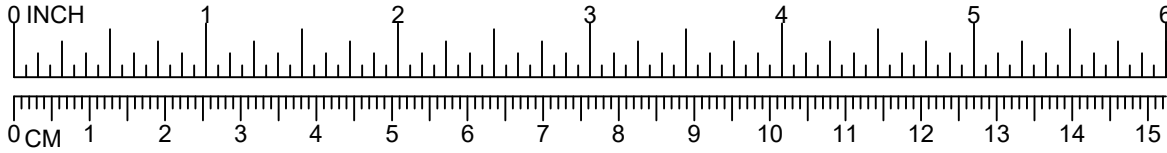


INSTALLATION INSTRUCTIONS

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



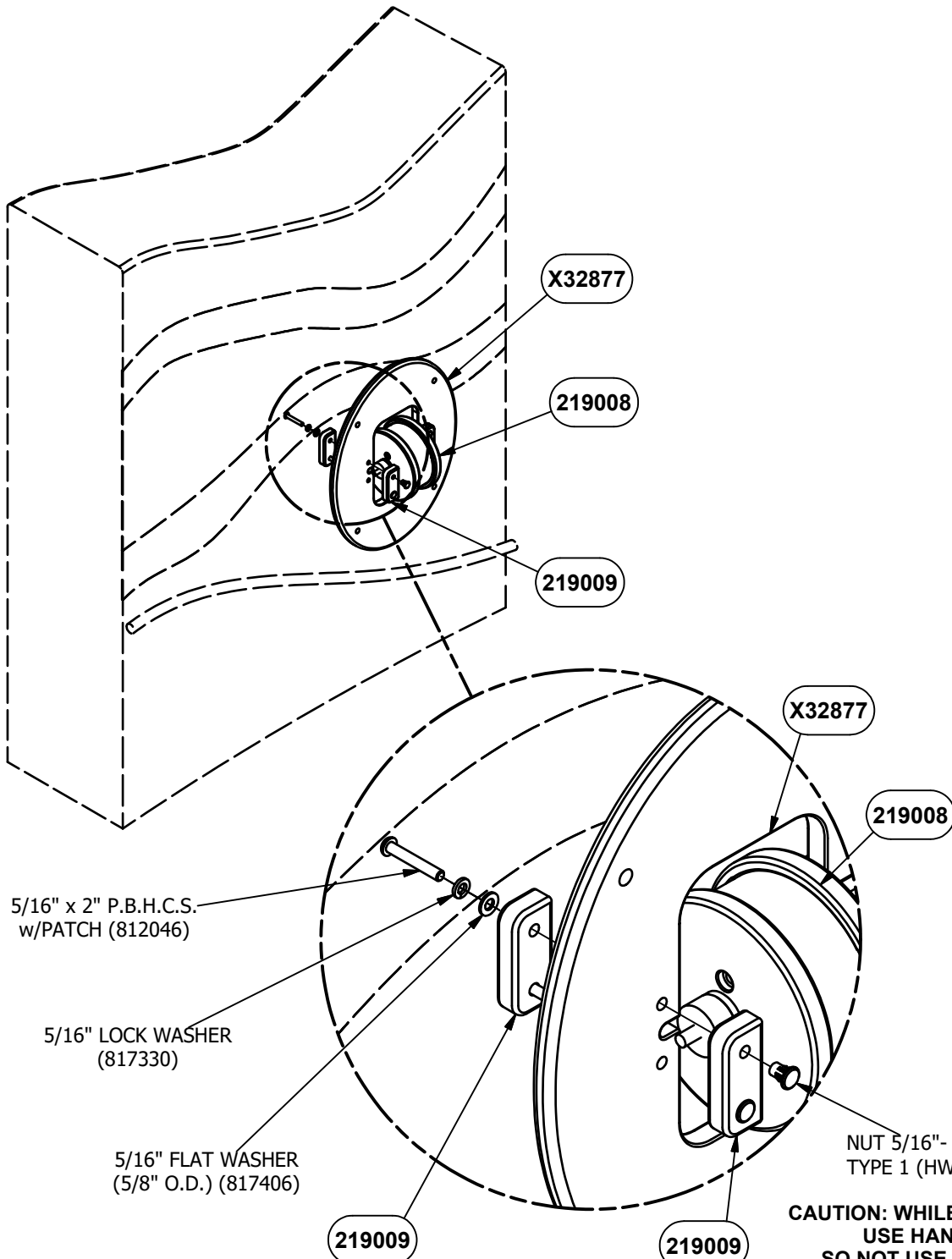
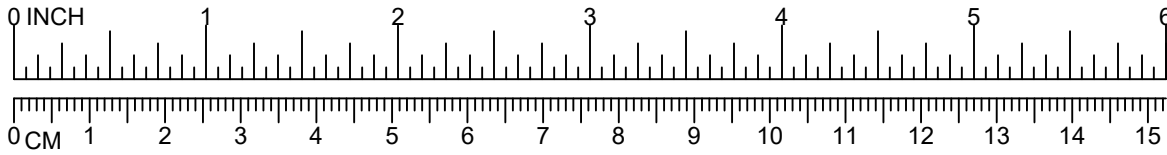
TOP VIEW



STEP 1
4 PLACES

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

DETAIL VIEW

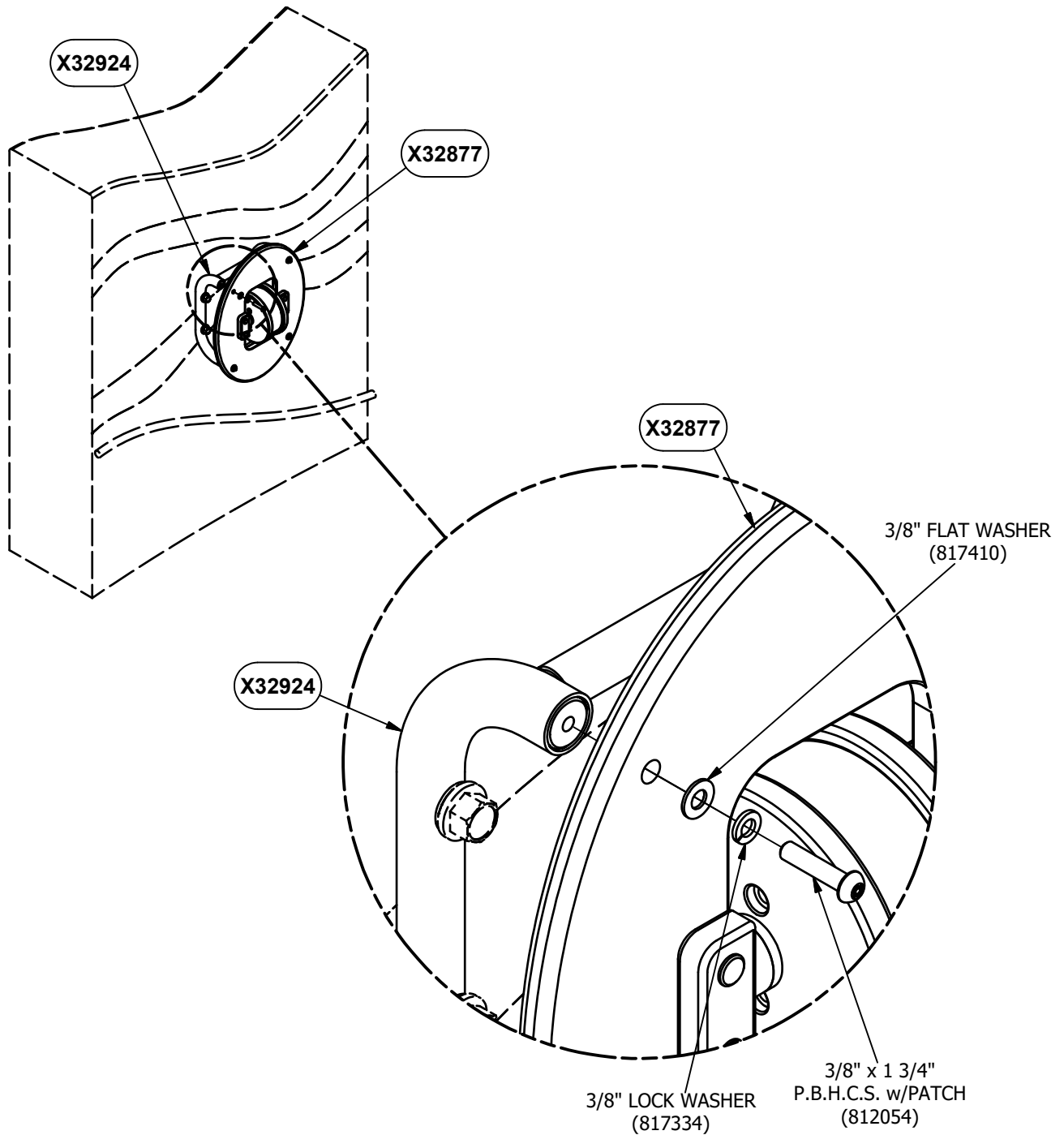
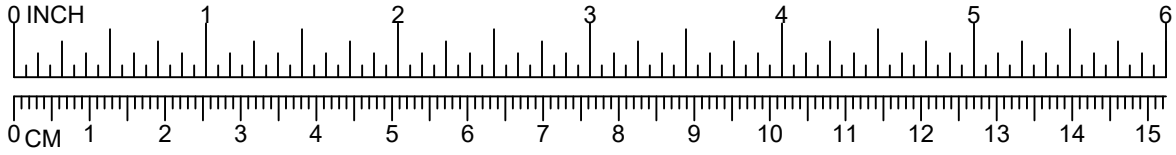


STEP 2
4 PLACES

**CAUTION: WHILE INSTALLING HWN0149
USE HAND TOOLS ONLY.
SO NOT USE AN IMPACT DRIVER.
DOING SO COULD DAMAGE THE PART.**

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DETAIL VIEW



STEP 3
4 PLACES

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DETAIL VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- To reduce risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off, filed smooth and treated to prevent corrosion. Sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
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- 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.
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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: Attach Maracabasa Weld Assembly to attachment points using hardware that is provided by the Installer.
REFER TO PAGE 2.

STEP 2: Attach Hardware Cover to each side of the Maracabasa Housing after inserting Maracabasa Panel Insert.
REFER TO PAGE 3.

STEP 3: Attach the Maracabasa Housing to the Maracabasa Weld Assembly. **REFER TO PAGE 4.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
MARCABASA WELD ASSEMBLY	1	X32924
MARACABASAS PANEL INSERT	1	219008
MARACABASA HOUSING	1	X32877
HARDWARE COVER	4	219009
HARDWARE COMPLETE	1	6554HW
5/16" x 2" P.B.H.C.S. w/PATCH	4	812046*
5/16" FLAT WASHER (5/8" O.D.)	4	817406*
5/16" LOCK WASHER	4	817330*
NUT 5/16"- INSERT TYPE 1	4	HWN0149*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	812054*
3/8" FLAT WASHER	4	817410*
3/8" LOCK WASHER	4	817334*
1/2" FLAT WASHER	4	817412*

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LANDMARK DESIGN

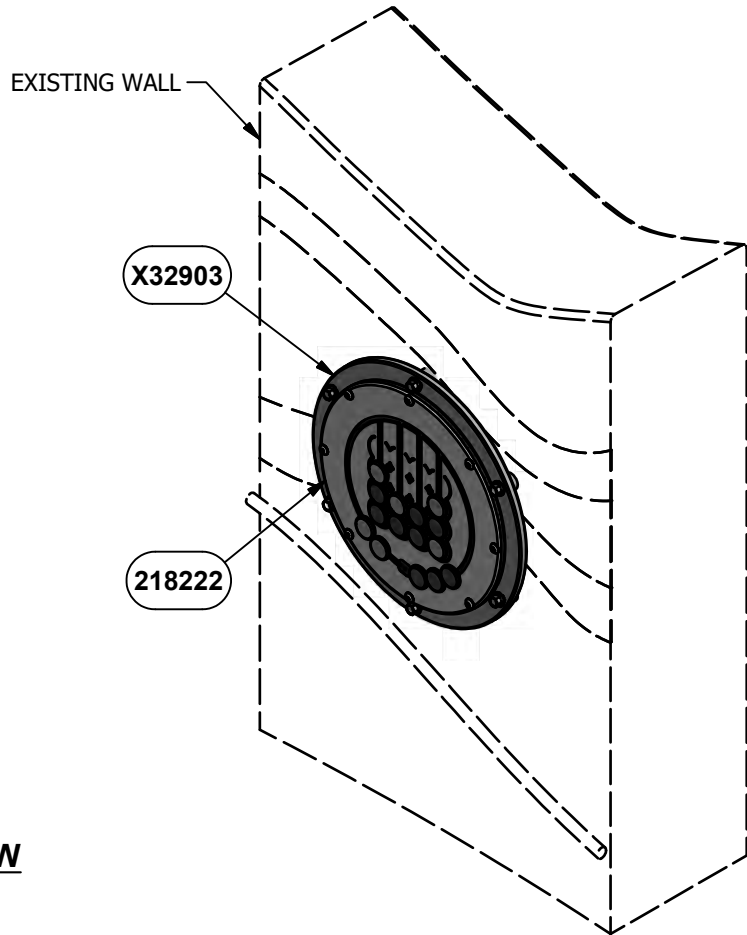
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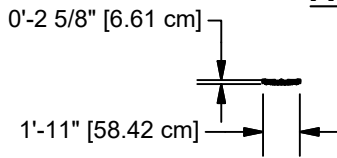
ISSUED/REVISED: 6/9/2022

6557SP

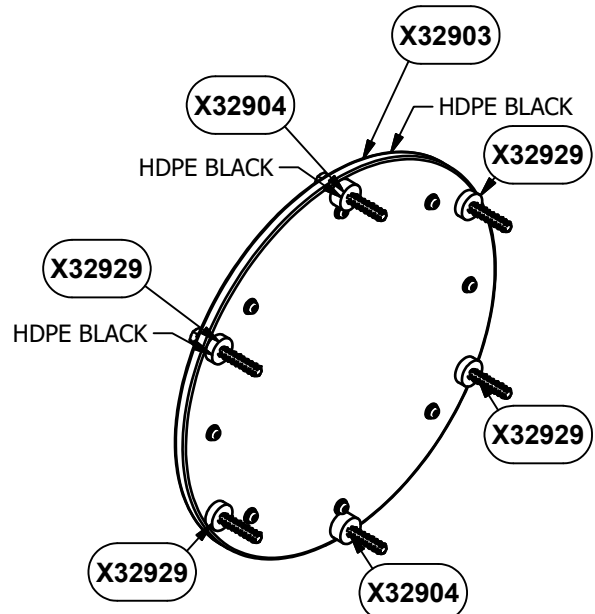
3 IN A ROW



ASSEMBLY VIEW

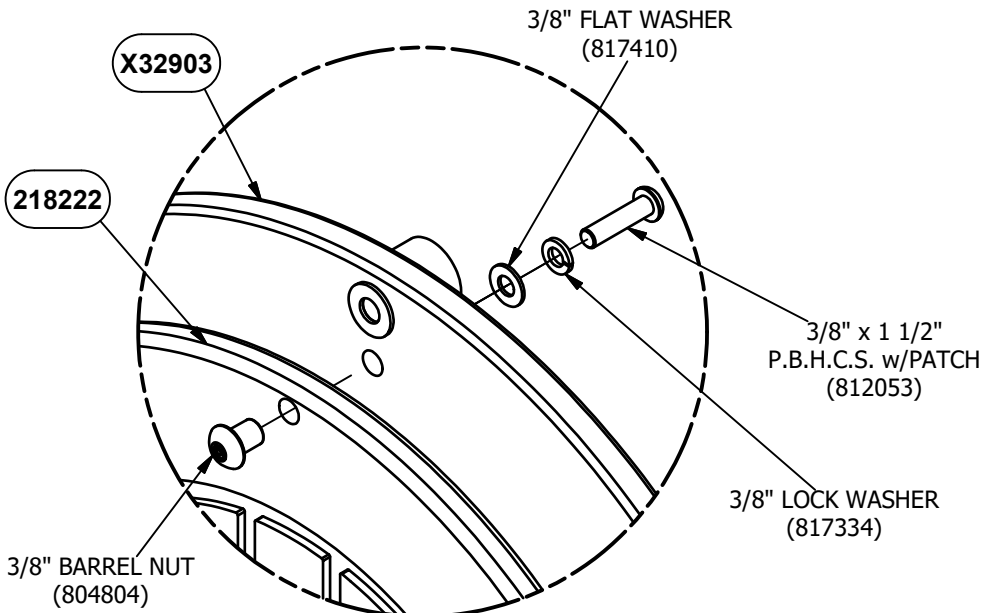
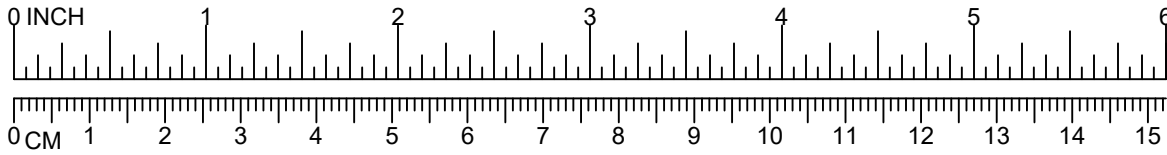


TOP VIEW

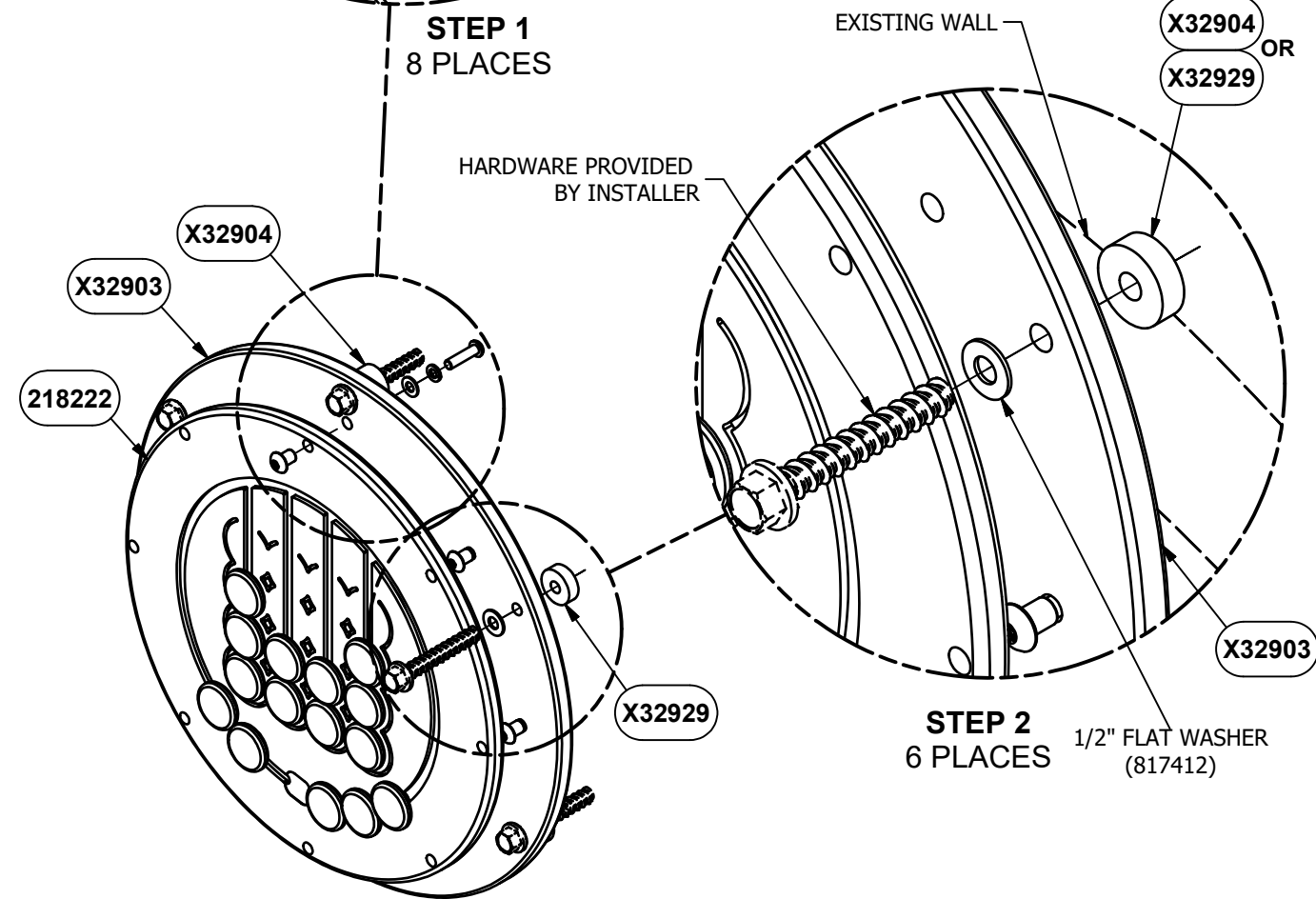


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3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



STEP 1
8 PLACES



STEP 2
6 PLACES

DETAIL VIEW

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- All equipment should be free of rust and repainted whenever necessary to deter rusting.
- Regular checking of all parts, castings, etc. should be made. If a part is broken or worn it should be replaced immediately.
- Never use GAMETIME playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.
- Check to be sure all fittings are tight and that the bars and pipes do not move.
- A soft resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

STEP 1: Attach 3 IN A ROW (218222) to HDPE Backing (X32903). **REFER TO PAGE 2.**

STEP 2: Attach 3 IN A ROW (218222) and HDPE Backing (X32903) to attachment points using hardware that is provided by installer. **REFER TO PAGE 2.**

NOTE: HDPE Spacers are placed between 3 IN A ROW assembly and Existing Structure. **REFER TO PAGE 1 for spacer orientation.**

SPECIFICATIONS

HDPE BACKING: Shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

HDPE SPACER: Shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

HDPE SPACER 2: Shall be made from 1/2" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

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

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
3 IN A ROW	1	218222
HDPE BACKING	1	X32903
HDPE SPACER	2	X32904
HDPE SPACER 2	4	X32929
HARDWARE COMPLETE	1	6557HW
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	8	812053*
3/8" FLAT WASHER	8	817410*
3/8" LOCK WASHER	8	817334*
3/8" BARREL NUT	8	804804*
1/2" FLAT WASHER	6	817412*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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



LANDMARK DESIGN

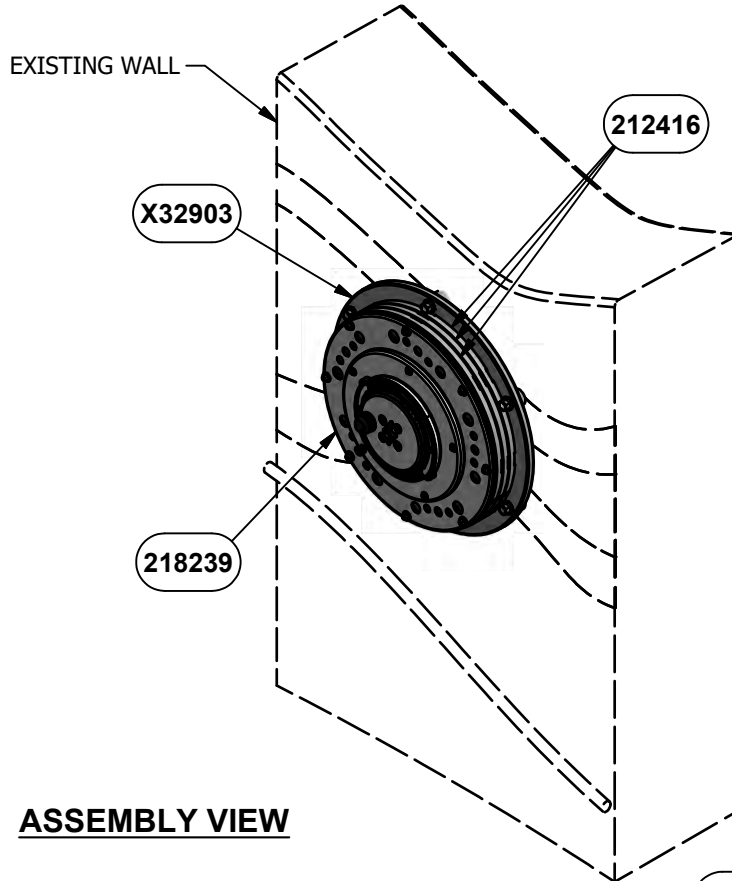
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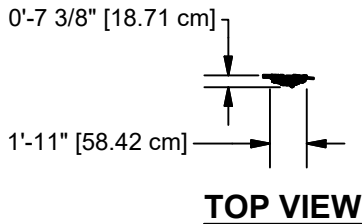
ISSUED/REVISED: 6/9/2022

6558SP

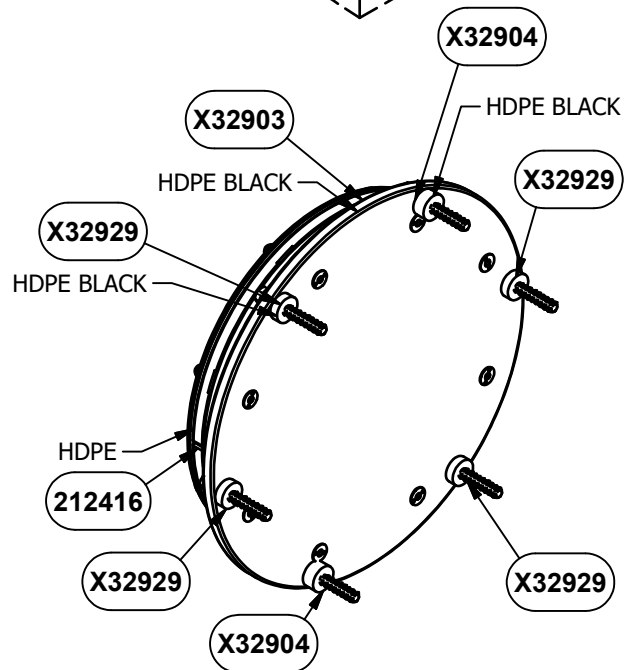
GIGGLE BOX



ASSEMBLY VIEW

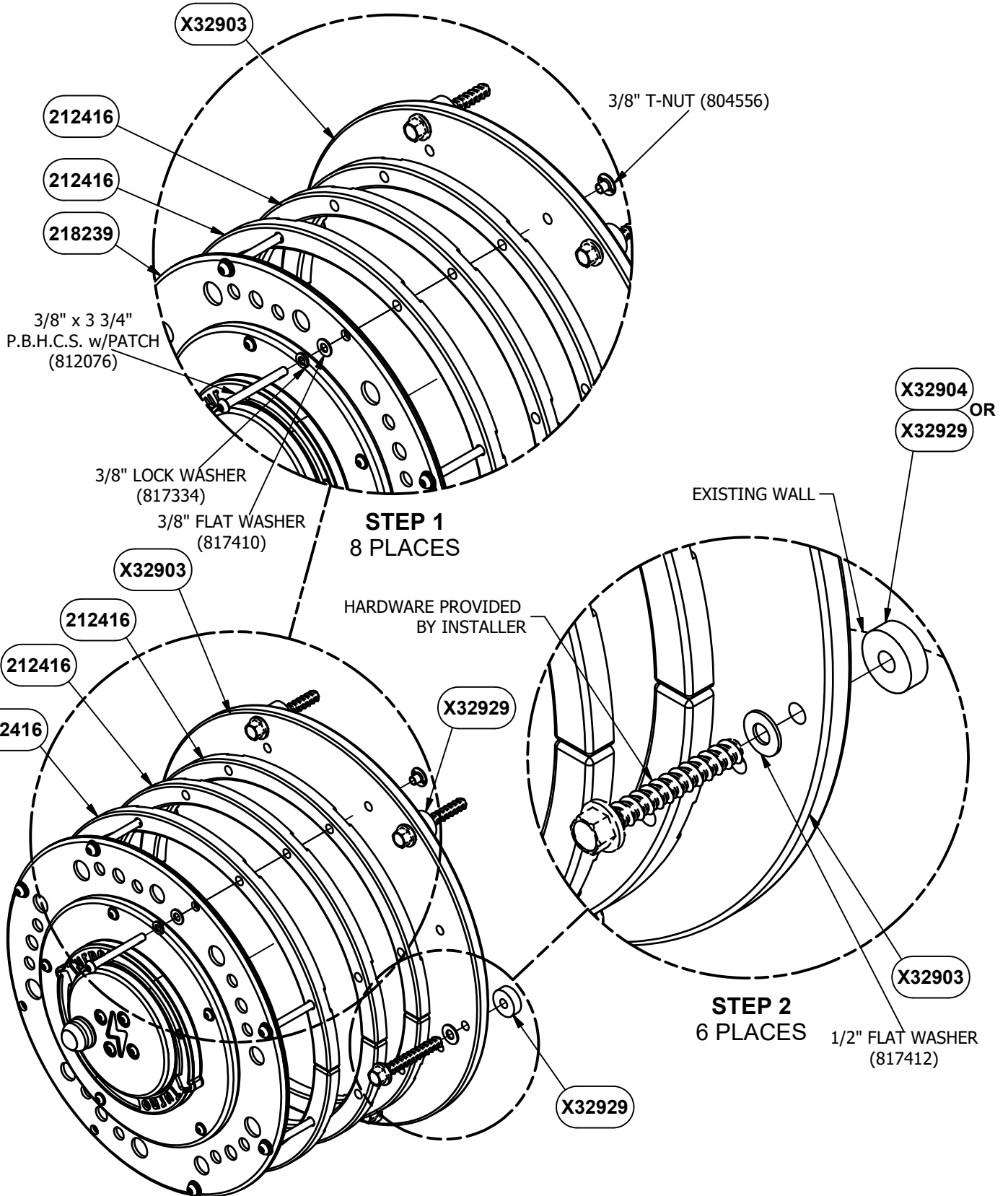
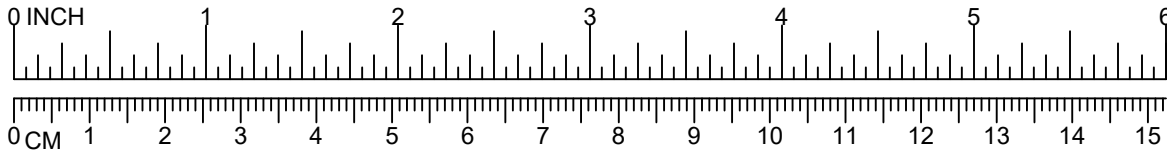


TOP VIEW



INSTALLATION INSTRUCTIONS

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



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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

STEP 1: Attach Giggle Box (218239) to Spacer (212416) and HDPE Backing (X32903). **REFER TO PAGE 2.**

STEP 2: Attach HDPE Backing (X32903) to attachment points using hardware that is provided by installer. **REFER TO PAGE 2.**

NOTE: HDPE Spacers are placed between Giggle Box assembly and Existing Structure. **REFER TO PAGE 1 for spacer orientation.**

SPECIFICATIONS

GIGGLE BOX SENSOR: The Giggle Box Sensor panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within in water tight low density polyethylene housing.

SPACER: Shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

HDPE BACKING: Shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

HDPE SPACER: Shall be made from 3/4" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

HDPE SPACER 2: Shall be made from 1/2" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

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

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
GIGGLE BOX SENSOR 20 ROTOGEN	1	218239
HDPE BACKING	1	X32903
HDPE SPACER	2	X32904
HDPE SPACER 2	4	X32929
SPACER	6	212416
HARDWARE COMPLETE	1	6558HW
3/8" x 3 3/4" P.B.H.C.S. w/PATCH	8	812076*
3/8" FLAT WASHER	8	817410*
3/8" LOCK WASHER	8	817334*
3/8" T-NUT	8	804556*
1/2" FLAT WASHER	6	817412*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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



6561SP

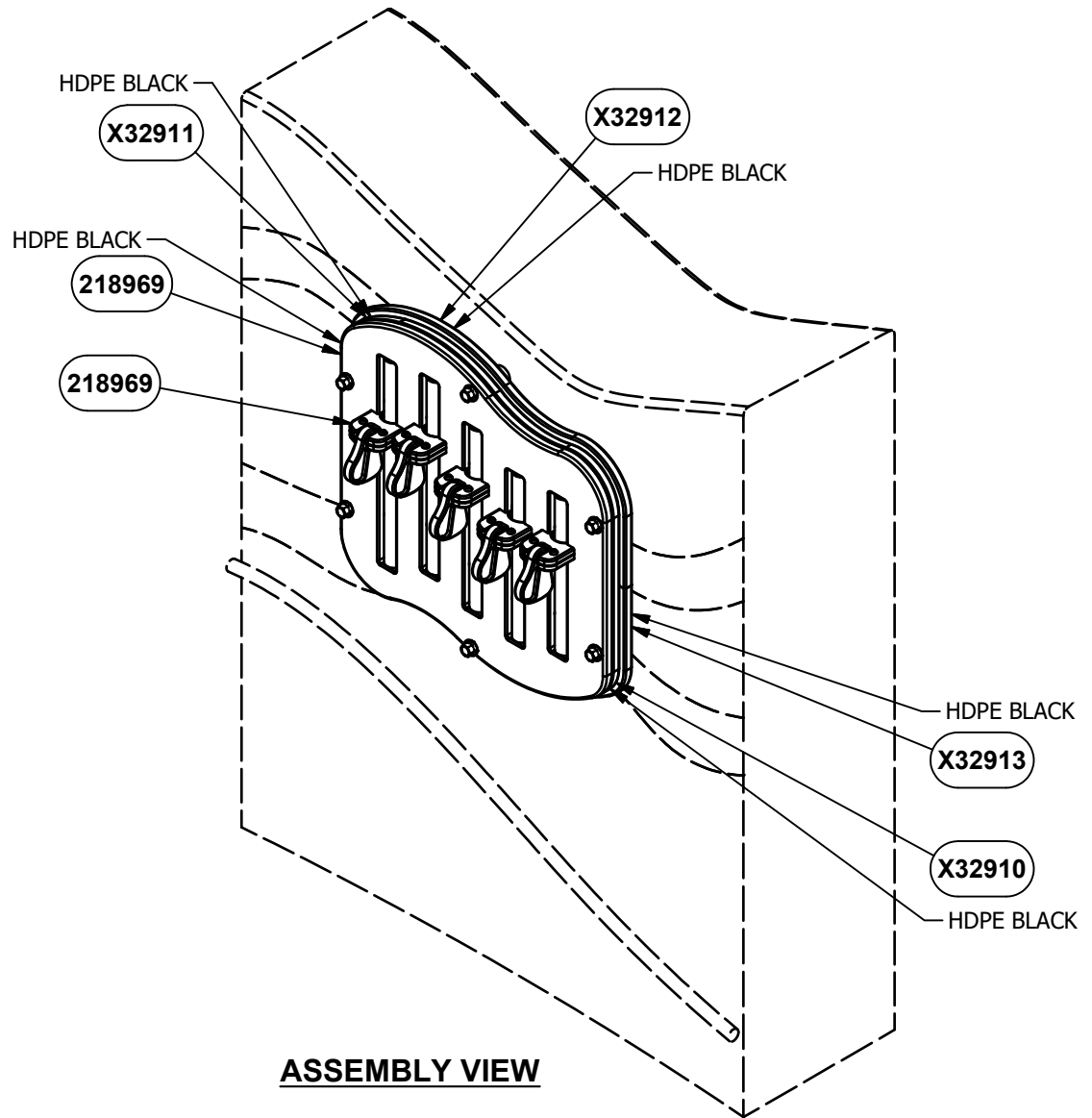
LANDMARK DESIGN

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ISSUED/REVISED: 6/13/2022

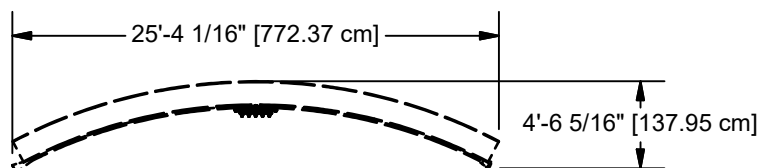
METALLOPHONE



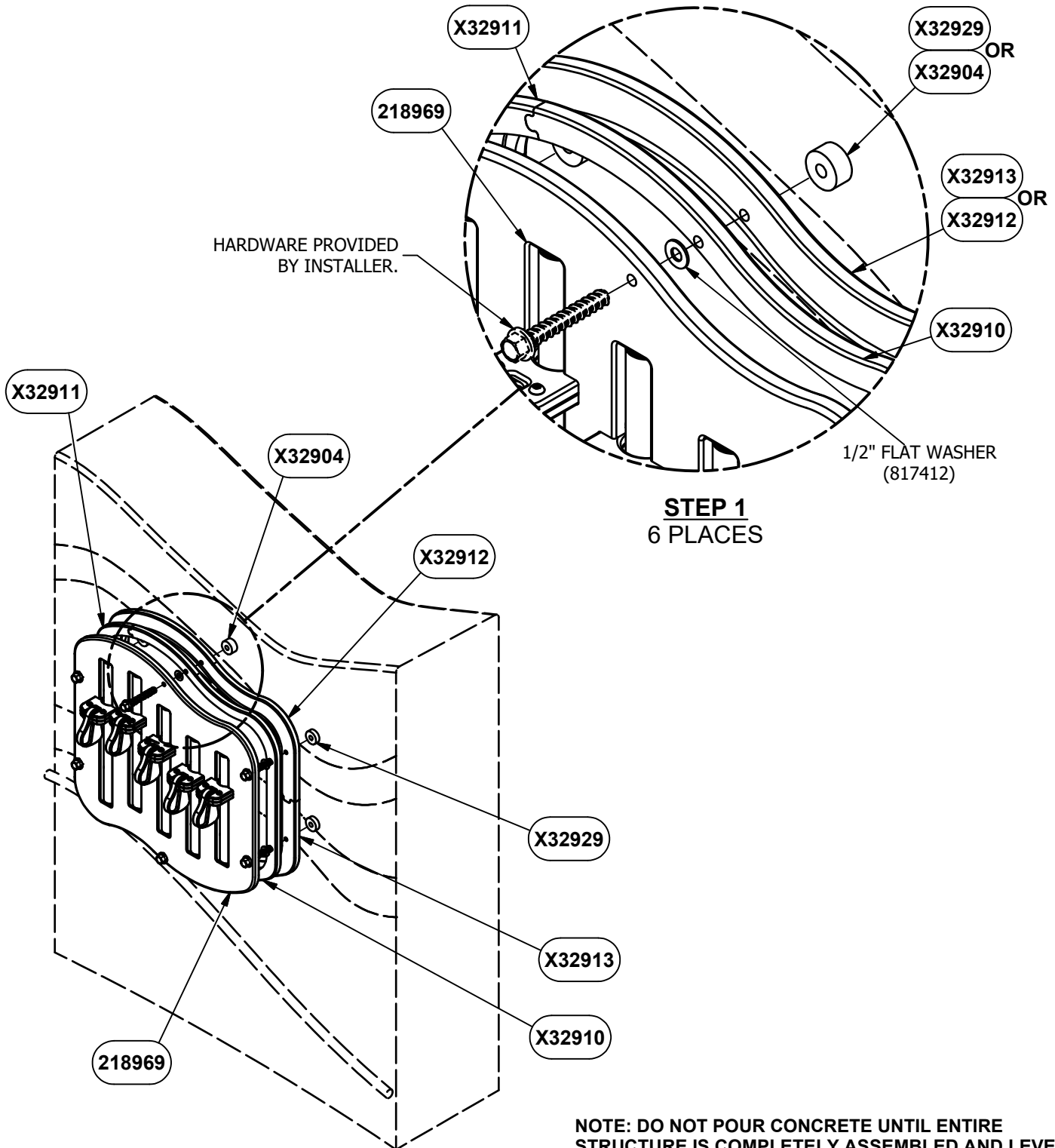
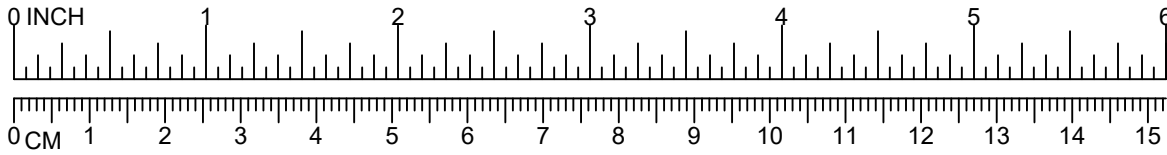
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

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



TOP VIEW



DETAIL VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

STEP 1: Attach HDPE SPACER 1 AND 2 Metallophone, HDPE Backing Metallophone, Metallophone Panel Insert, HDPE Spacer, and HDPE Spacer 2 to attachment points using hardware that is provided by installer. **REFER TO PAGE 2.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
METALLOPHONE PANEL INSERT	1	218969
HDPE SPACER 1 METALLOPHONE	1	X32910
HDPE SPACER 2 METALLOPHONE	1	X32911
HDPE BACKING 1 METALLOPHONE	1	X32912
HDPE BACKING 2 METALLOPHONE	1	X32913
HDPE SPACER	2	X32904
HDPE SPACER 2	4	X32929
HARDWARE COMPLETE	1	6561HW
1/2" FLAT WASHER	6	817412*

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

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

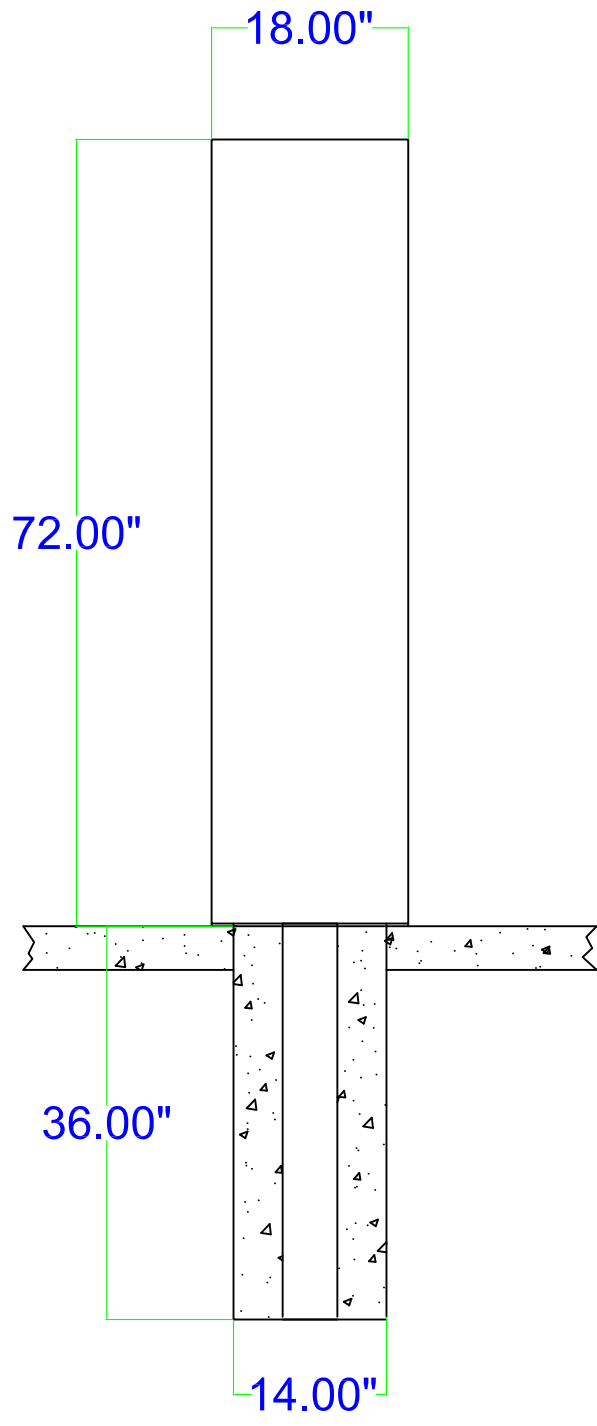
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.

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

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

MAINTENANCE PROCEDURE:

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



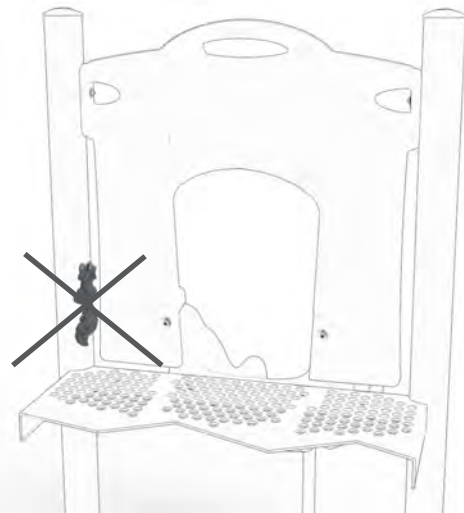
5" POST HOLE TEMPLATE

TOP HOLE FOR ALL

BOTTOM HOLE FOR FROG
BOTTOM HOLE FOR BUTTERFLY

BOTTOM HOLE FOR OWL

BOTTOM HOLE FOR SQUIRREL



To avoid button entanglement, do not place near slide hood enclosures.

Mark and drill four holes per critter using a 5/16" bit, two in the front, and two at 180° opposite



Flatwasher
Lockwasher
Bolt

Attach critters by bolting through post into the cast-in inserts. Use hand tools and do not overtighten. Using power tools on bolts may damage the cast part.

Instructions:

Playcast critters are to be attached at your desired location by drilling both sides of the upright and bolting through the upright, into the cast-in inserts. This template will ensure that your holes are 180° apart, and with the correct spacing.

1. Choose location, and wrap this template around 5" O.D. post, taping if necessary.
2. Mark or punch the holes that correlate to your desired critter (two holes where the critter sits, and two 180° opposite).
3. Drill all four holes, using a 5/16" bit. Drilling 1/8" pilot holes is recommended to ensure accuracy.
4. Feed bolt, lockwasher, and flatwasher provided through the back side of post until bolt protrudes through the front hole.
5. Attach critter and tighten bolts, using allen key provided, until lock washer compresses. **IMPORTANT: Only use hand tools for tightening. Power tools, such as an impact driver, may damage the cast part.**



SCAN FOR INSTALL VIDEO

PLAYCAST



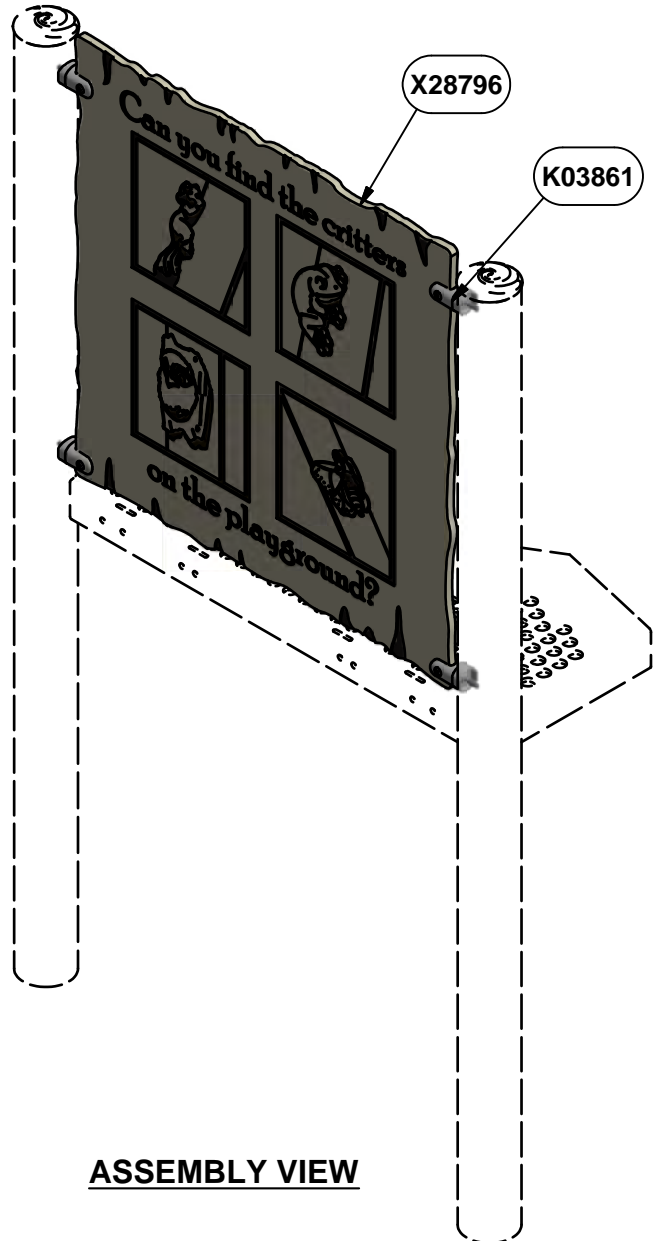
UP TO 5'-0"
DECK HEIGHT



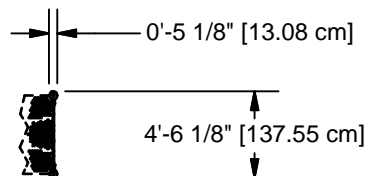
ALL DECK
HEIGHTS

**INSTALLATION
INSTRUCTIONS**

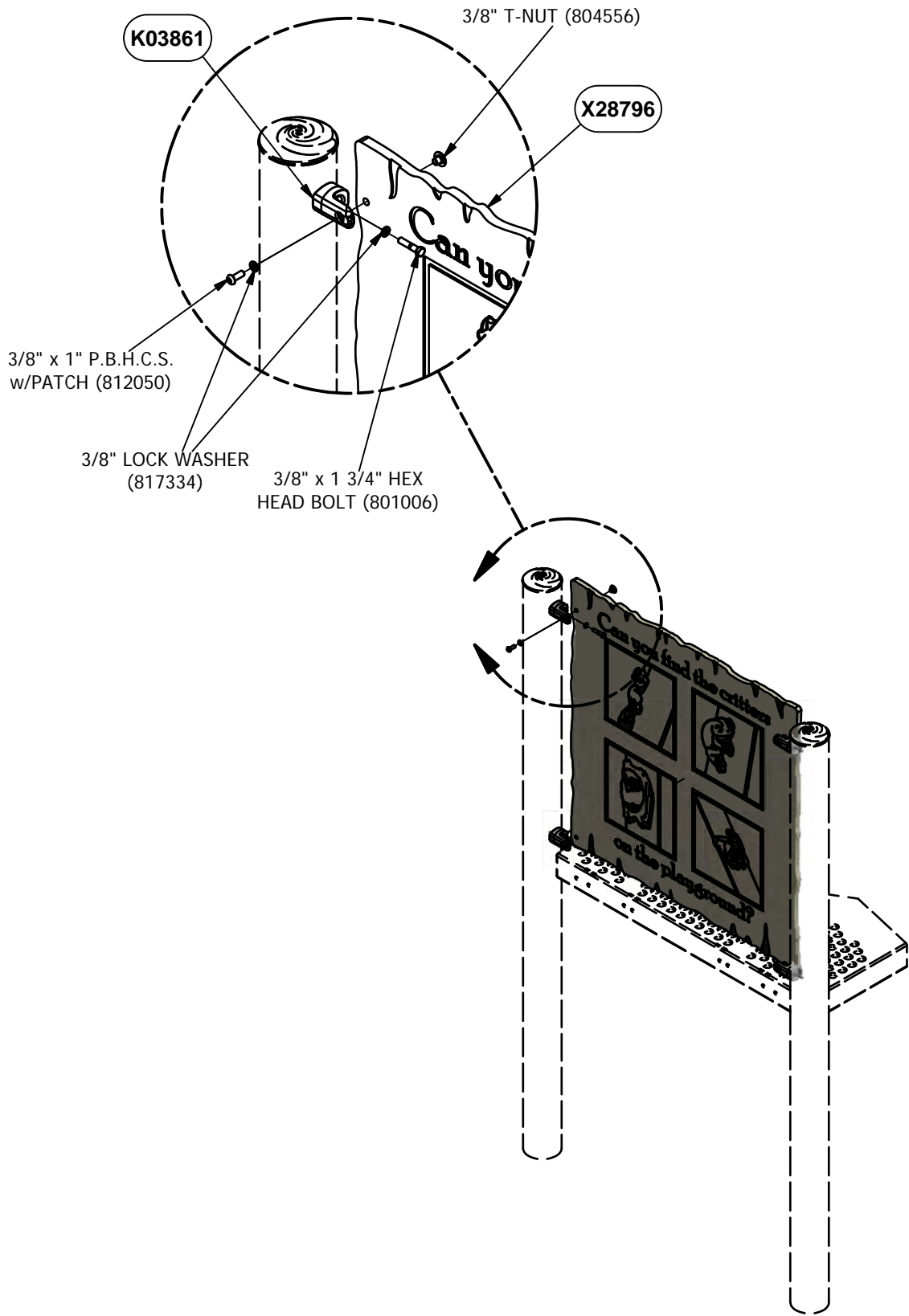
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as show in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. ALL NON-PATCHED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



ASSEMBLY VIEW



TOP VIEW



DETAIL VIEW

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
CRITTER PANEL	1	X28796
TRU-LOC PANEL ATTACHMENT	4	K03861
HARDWARE COMPLETE	1	5703HW
3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
3/8" LOCK WASHER	8	817334*
3/8" T-NUT	4	804556*

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

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

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

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

MAINTENANCE PROCEDURE:

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



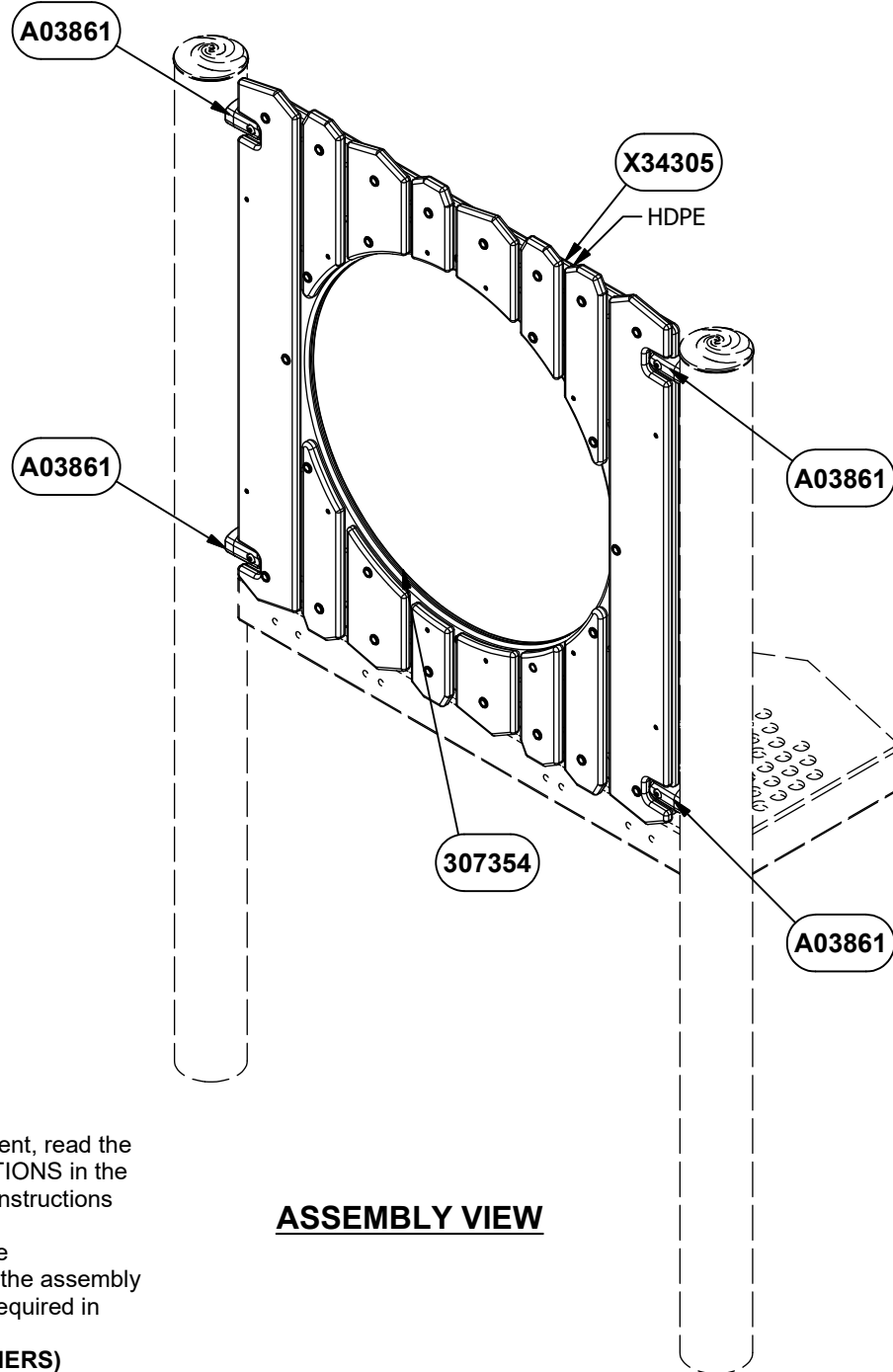
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ISSUED/REVISED: 11/11/2022

6689RP TIMBER BUBBLE PANEL

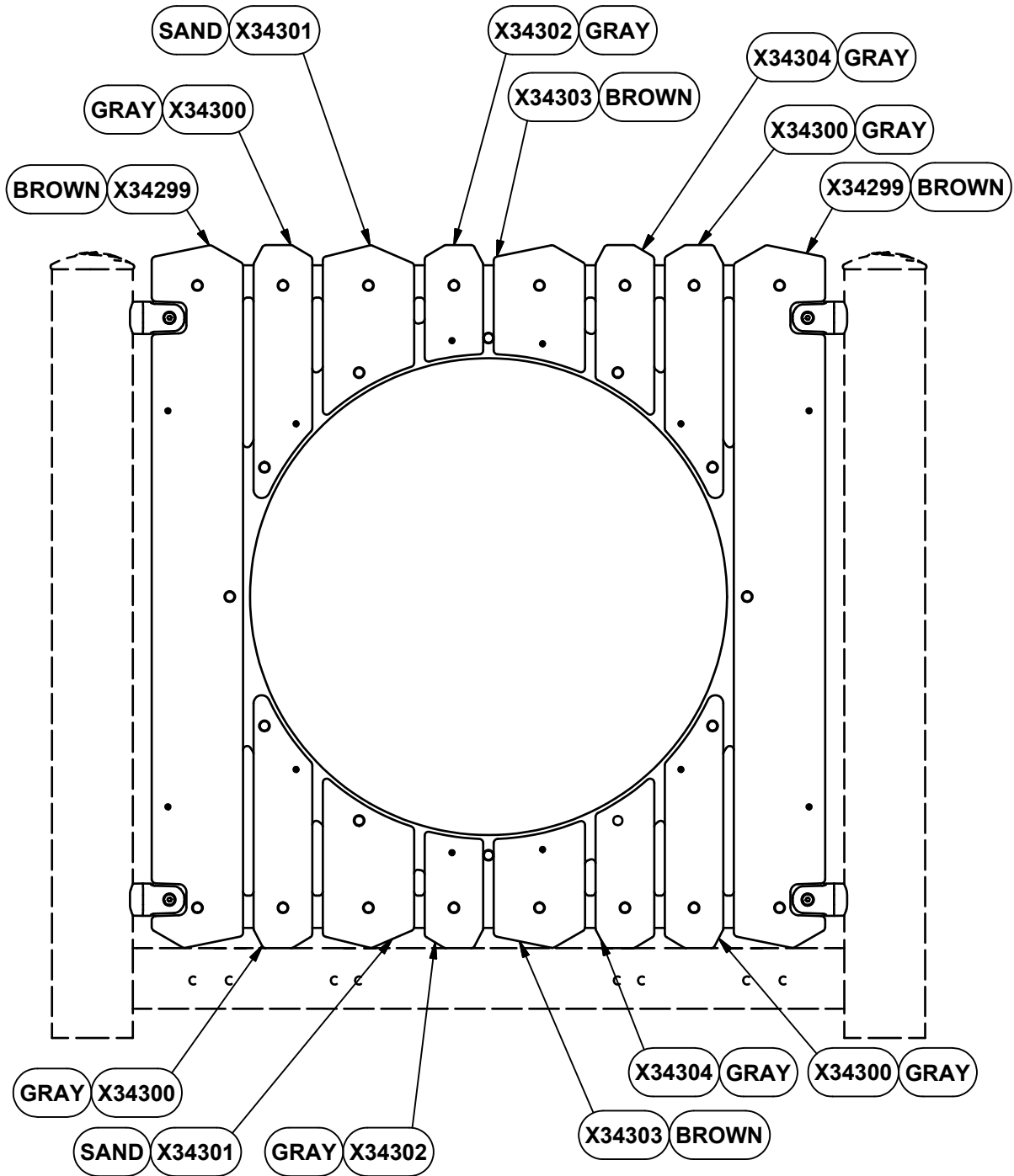


ASSEMBLY VIEW

**SEE PAGE 2
FOR TIMBER LAYOUT**

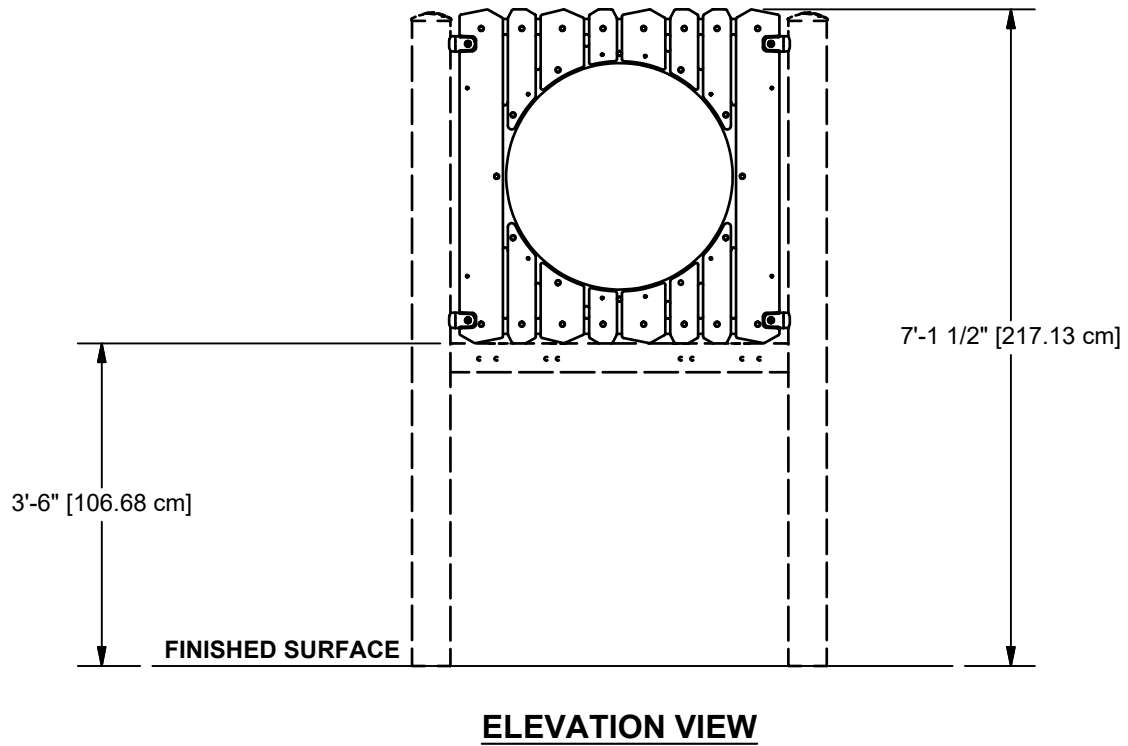
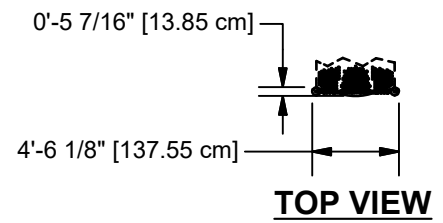
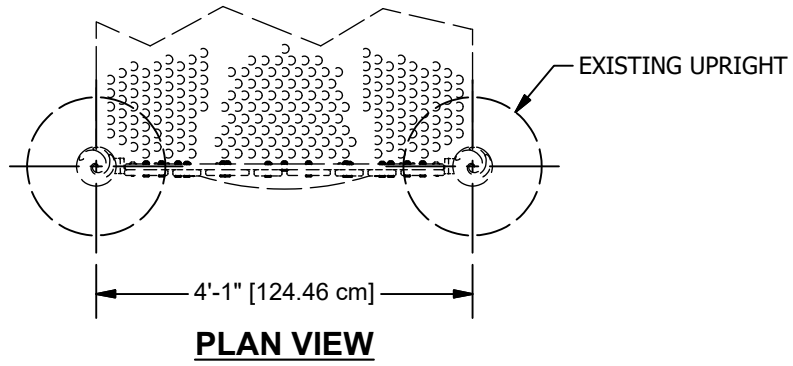
INSTALLATION INSTRUCTIONS

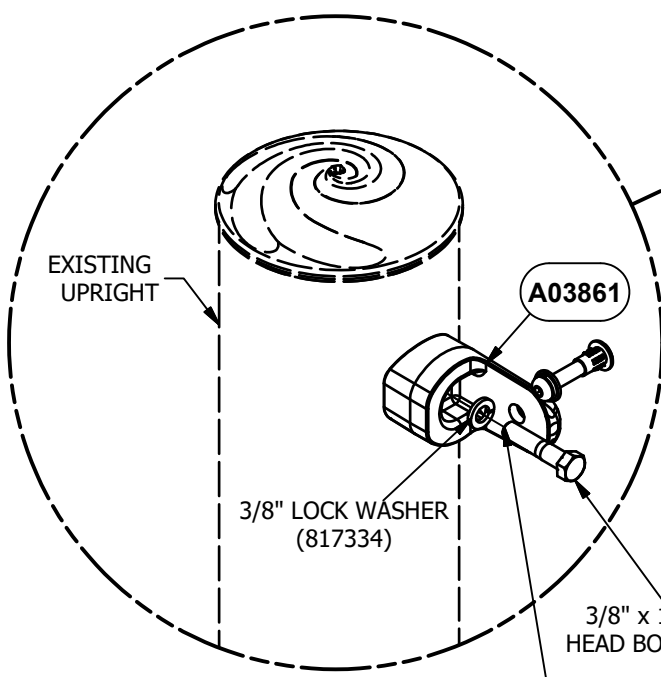
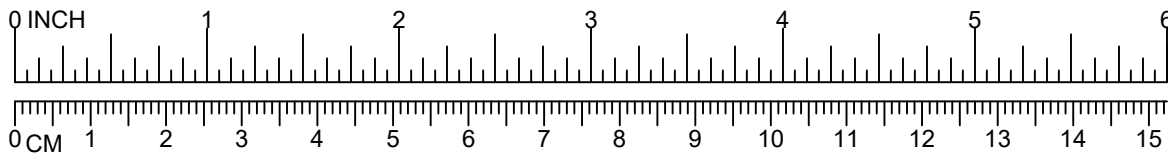
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



TIMBER LAYOUT

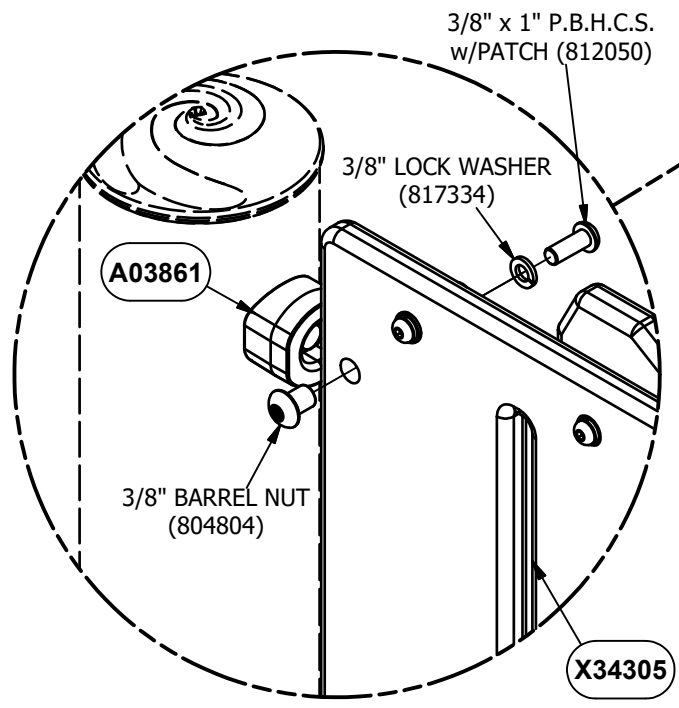
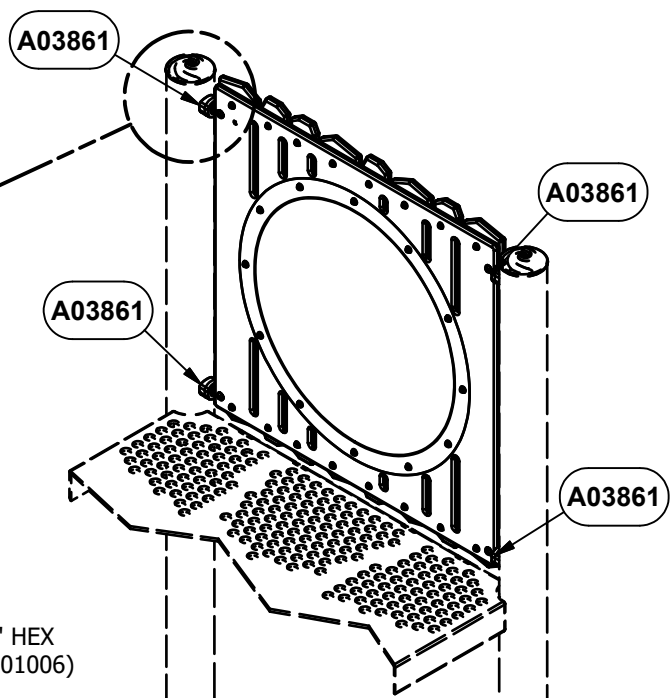
TIMBER PACKAGE X34306		
DESCRIPTION	QTY	PART NUMBER
TIMBER PANEL 1	2	X34299**
TIMBER PANEL 2	4	X34300**
TIMBER PANEL 3	2	X34301**
TIMBER PANEL 4	2	X34302**
TIMBER PANEL 5	2	X34303**
TIMBER PANEL 6	2	X34304**



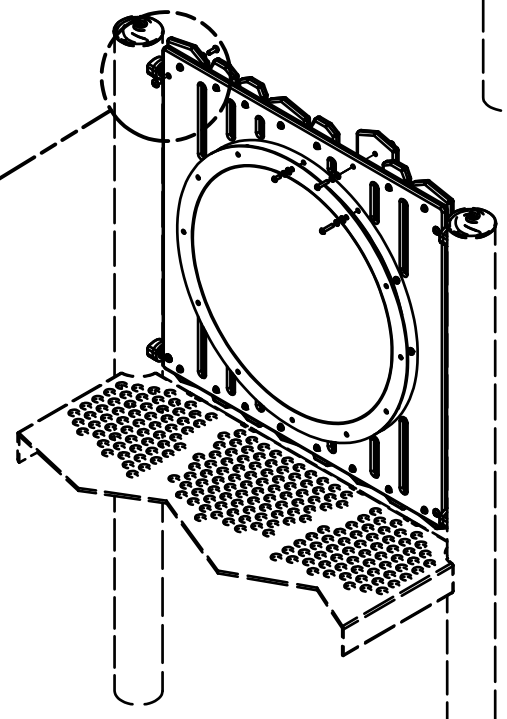


STEP 1
4 PLACES

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

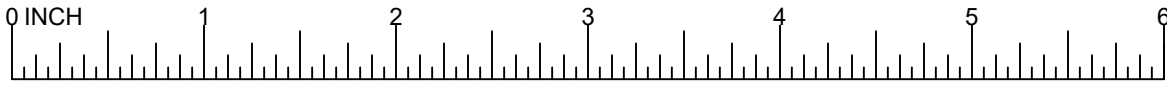


STEP 2
4 PLACES



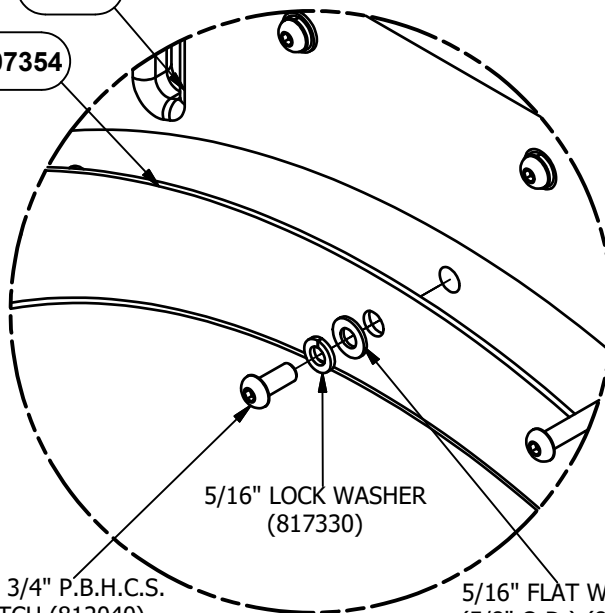
DETAIL VIEW

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



X34305

307354



5/16" LOCK WASHER (817330)

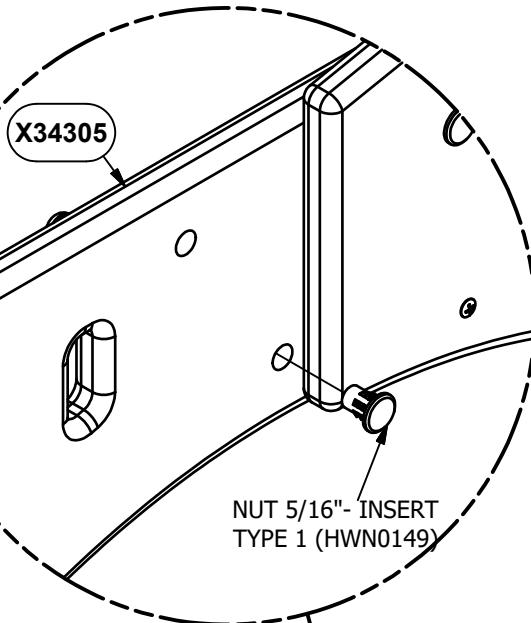
5/16" x 3/4" P.B.H.C.S. w/PATCH (812040)

5/16" FLAT WASHER (5/8" O.D.) (817406)

**STEP 3
BACK**

- X34304
- OR
- X34303
- OR
- X34302
- OR
- X34300
- OR
- X34299
- OR
- X34301

**CAUTION: WHILE INSTALLING HWN0149
USE HAND TOOLS ONLY.
DO NOT USE AN IMPACT DRIVER.
DOING SO COULD DAMAGE THE PART**

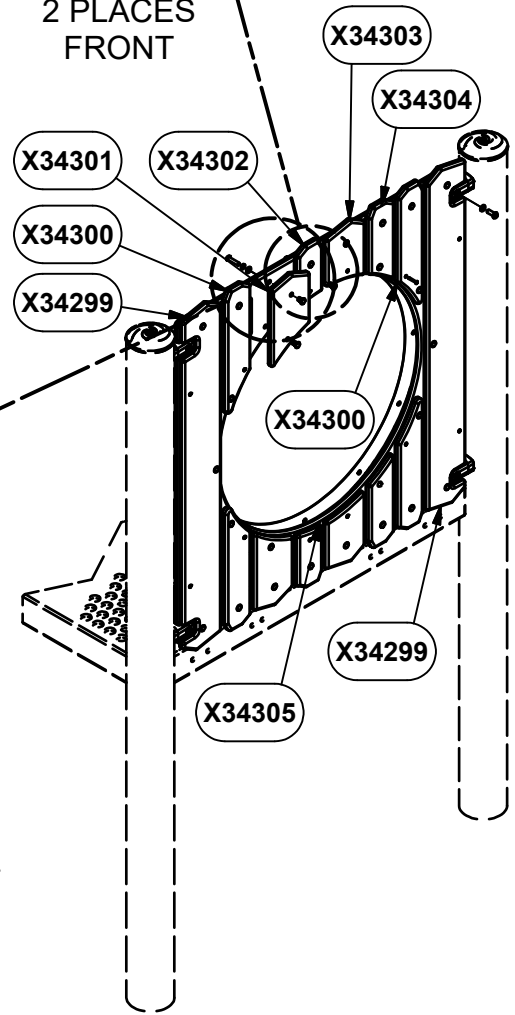


X34305

NUT 5/16"- INSERT TYPE 1 (HWN0149)

NOTE: TIMBERS HIDDEN FOR CLARITY

**STEP 3
2 PLACES
FRONT**



X34303

X34304

X34301

X34302

X34300

X34299

X34300

X34299

X34305

5/16" x 1 1/2" P.B.H.C.S. w/PATCH (812045)

5/16" LOCK WASHER (817330)

5/16" FLAT WASHER (5/8" O.D.) (817406)

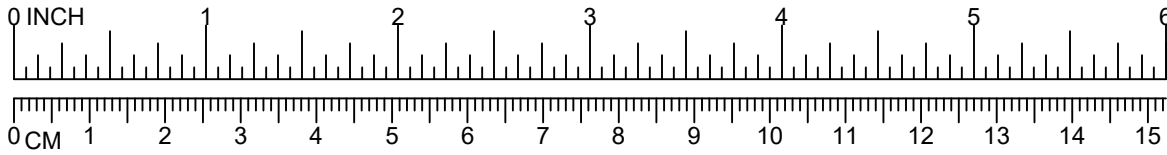
NUT 5/16"- INSERT TYPE 1 (HWN0149)

X34305

**STEP 4
16 PLACES**

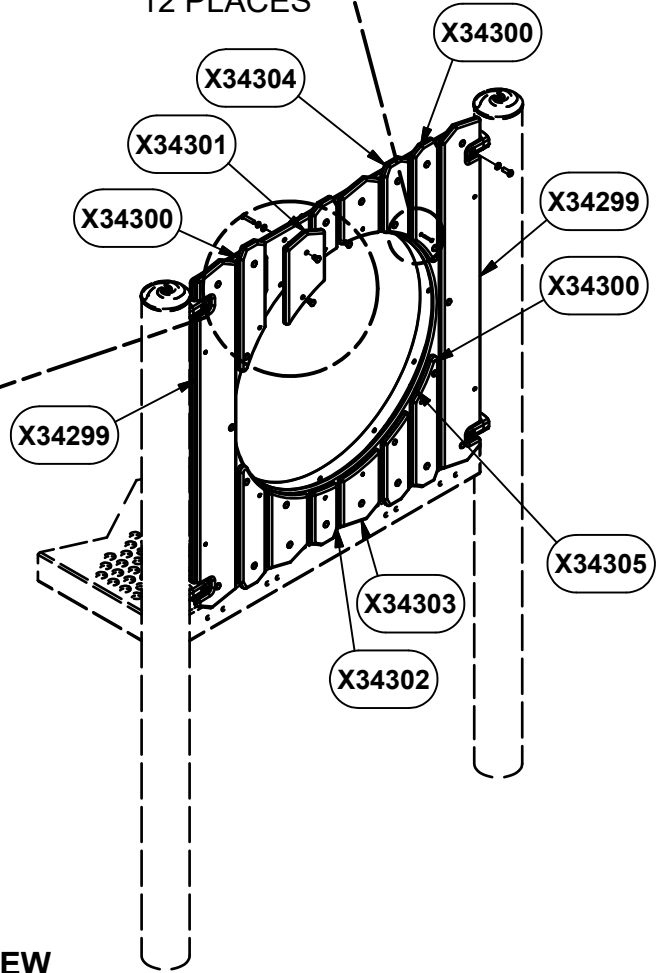
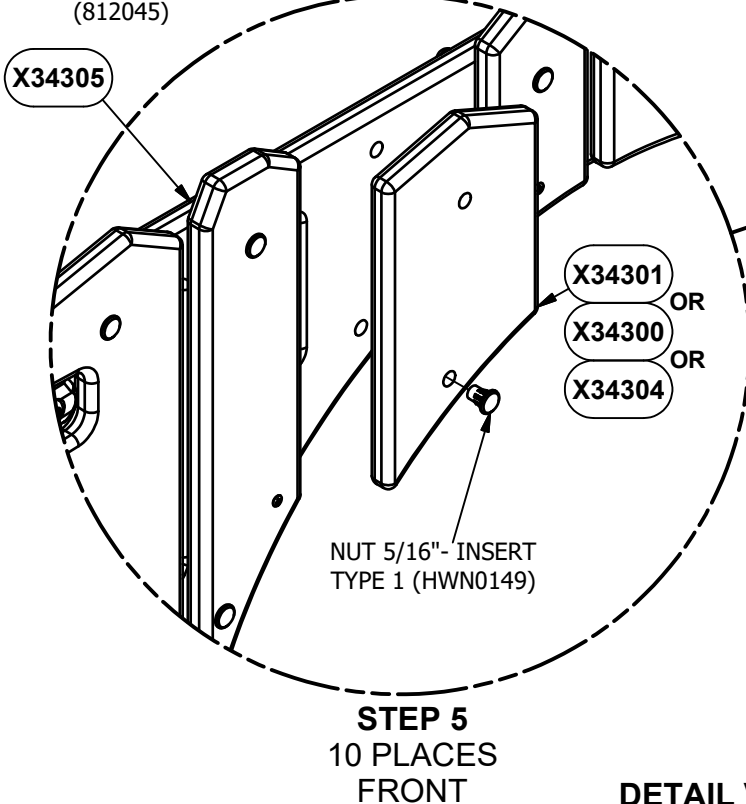
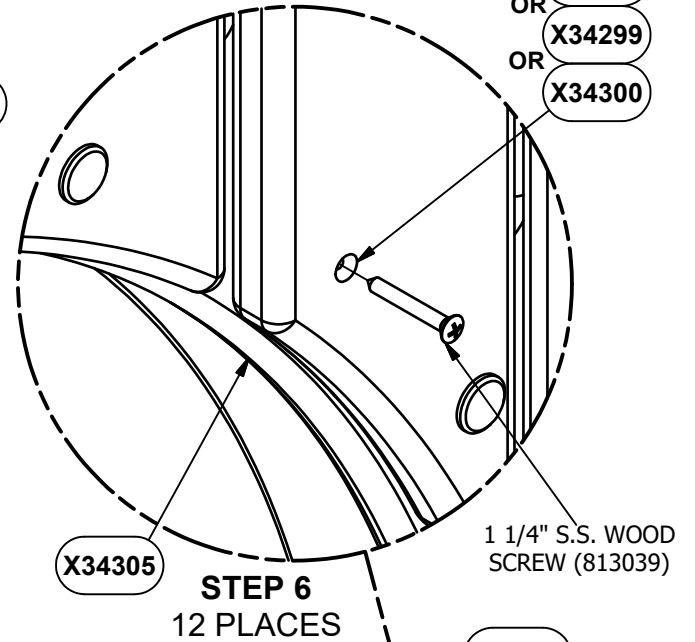
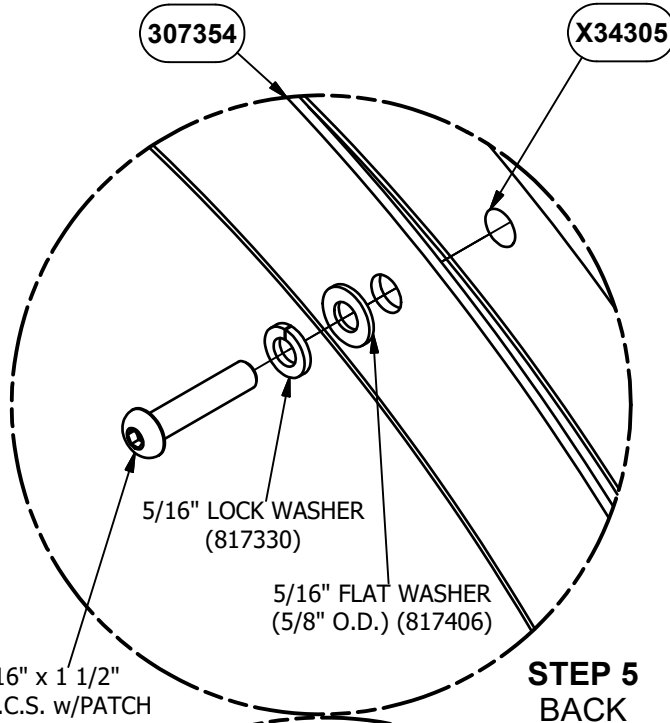
DETAIL VIEW

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



**CAUTION: WHILE INSTALLING HWN0149
USE HAND TOOLS ONLY.
DO NOT USE AN IMPACT DRIVER.
DOING SO COULD DAMAGE THE PART**

- X34303
- OR
- X34302
- OR
- X34299
- OR
- X34300



DETAIL VIEW

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
HDPE PANEL	1	X34305
TRU-LOC PANEL ATTACHMENT	4	A03861
CLEAR BUBBLE	1	307354
TIMBER PACKAGE	1	X34306
TIMBER PANEL 1	2	X34299**
TIMBER PANEL 2	4	X34300**
TIMBER PANEL 3	2	X34301**
TIMBER PANEL 4	2	X34302**
TIMBER PANEL 5	2	X34303**
TIMBER PANEL 6	2	X34304**
HARDWARE COMPLETE	1	6689HW
5/16" x 3/4" P.B.H.C.S. w/PATCH	2	812040*
5/16" x 1 1/2" P.B.H.C.S. w/PATCH	26	812045*
5/16" LOCK WASHER	28	817330*
5/16" FLAT WASHER (5/8" O.D.)	28	817406*
NUT 5/16"- INSERT TYPE 1	28	HWN0149*
3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
3/8" LOCK WASHER	8	817334*
3/8" BARREL NUT	4	804804*
1 1/4" S.S. WOOD SCREW	12	813039*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

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

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

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

MAINTENANCE PROCEDURE:

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





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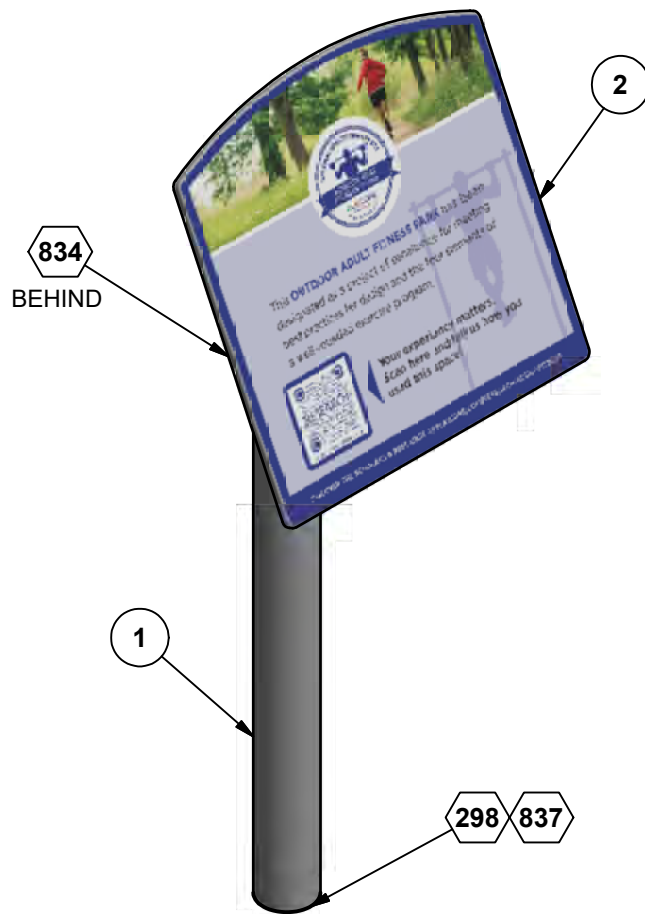
14926

NATIONAL DEMONSTRATION SITE SIGN PACKAGE

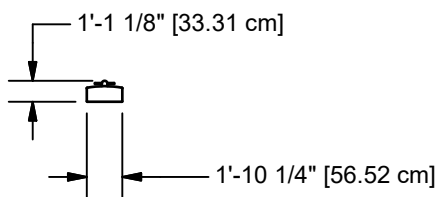
ISSUED/REVISED: 2/15/19

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



ASSEMBLY VIEW



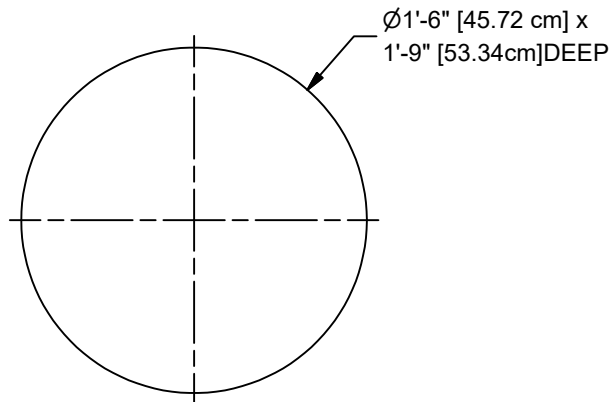
TOP VIEW

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

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

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

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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

NOTE: Read installation instructions thoroughly before starting assembly. Bracing material may be required during assembly.

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

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

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

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

SPECIFICATIONS

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

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

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

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

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

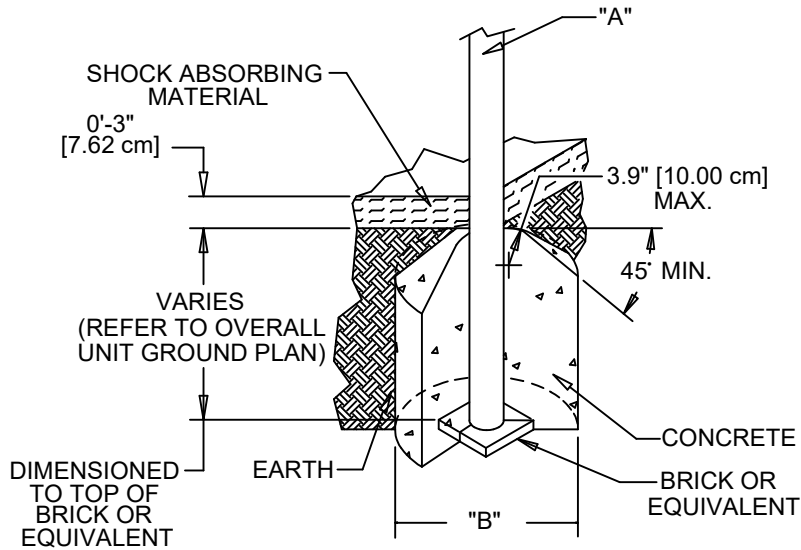
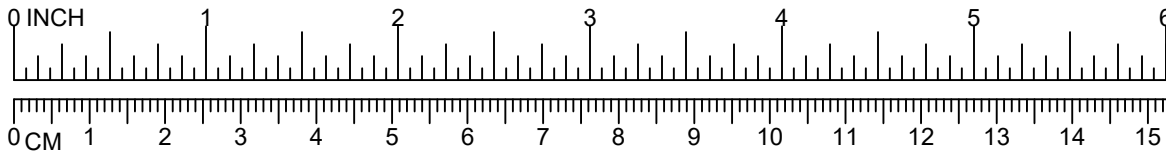
DETAILS -for- 14926-14930

IMPORTANT

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

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

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

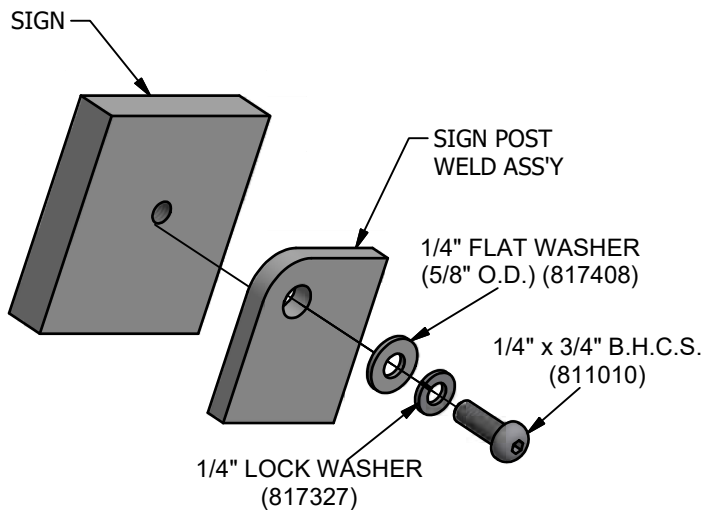


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

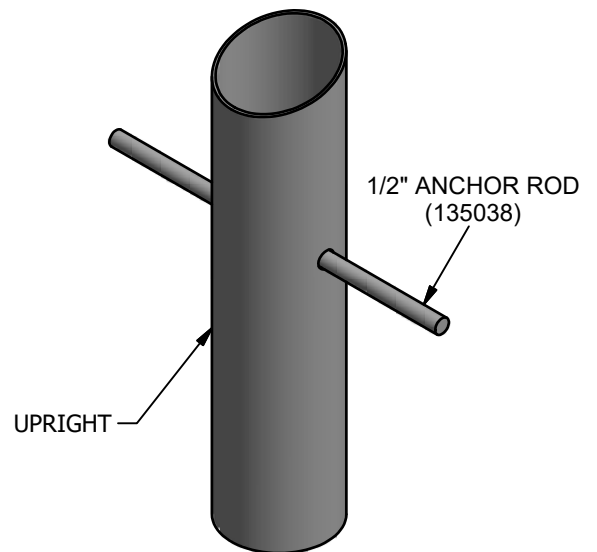
NOTES:

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

298



834



837





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ISSUED/REVISED: 11/23/15

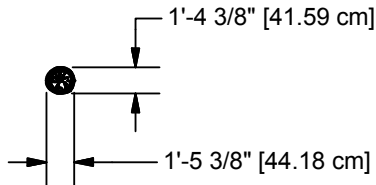
38111 TREE STUMP

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

TREE STUMP 38111
 TREE STUMP W/LABEL 38111L



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC) A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1 - 2 lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers for filling the irregular voids between mold-cast panels and/or special themed features. Backup Material: Shall be galvanized steel diamond lath, tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing hole. 24" dia. min x 18" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Allow 48 hours minimum for concrete to cure before installing play feature.

STEP 3: Position lifting strap around the Play Feature

and attach free ends to lifting machinery

NOTE: Lifting strap and lifting machinery rated for 500 lbs min.

NOTE: Lifting strap should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

STEP 4: Carefully place and center play feature onto fully cured concrete footing. Secure with wedge anchors (QTY 4)

STEP 5: After play feature is in place and secured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as needed.

Parts List				
REF.	DESCRIPTION	38111	38111L	PART NUMBER
1	TREE STUMP	1	0	202192
1	TREE STUMP W/LABEL	0	1	206159
	HARDWARE COMPLETE	1	1	206037
	1/2" x 4 1/4" WEDGE ANCHOR	4	4	800082*

*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.

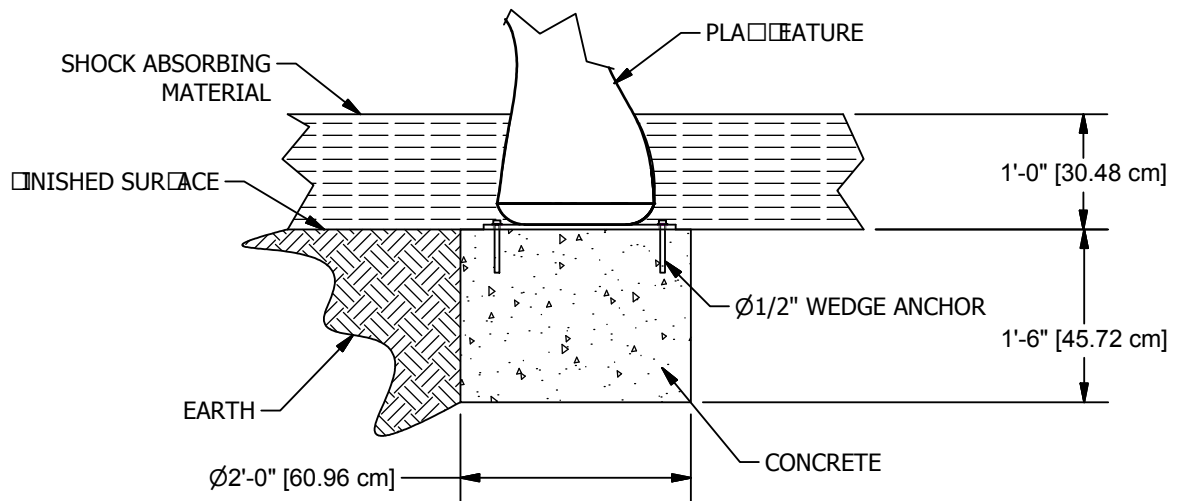
Note: Loctite (supplied by others) should be used on any non-patch hardware.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



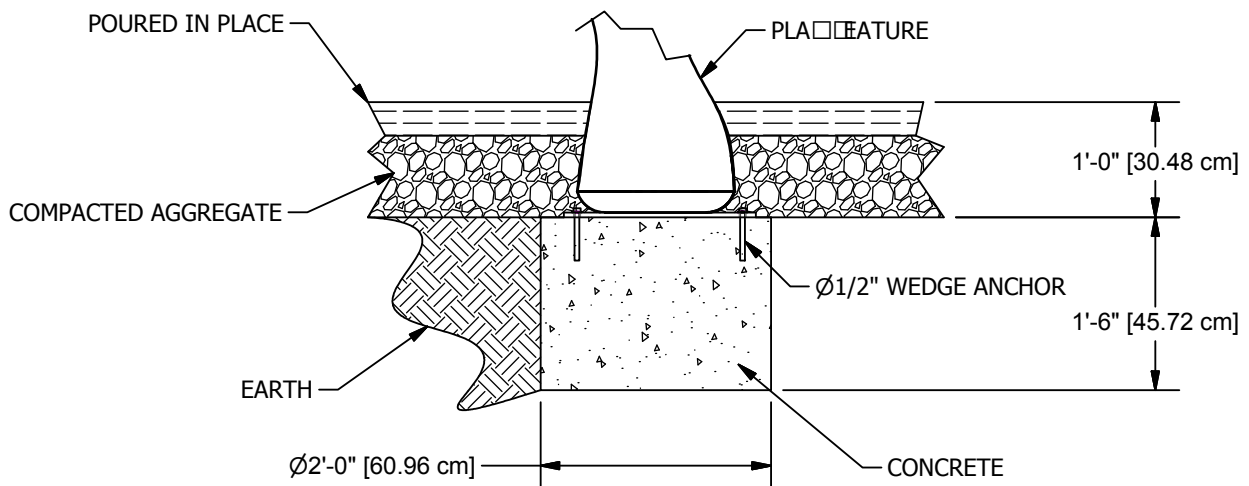
- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces 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.
- 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.



NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED:
.175 CUBIC YARDS
.134 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.

CONCRETE REQUIRED:
.175 CUBIC YARDS
.134 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.



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 3/24/10

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

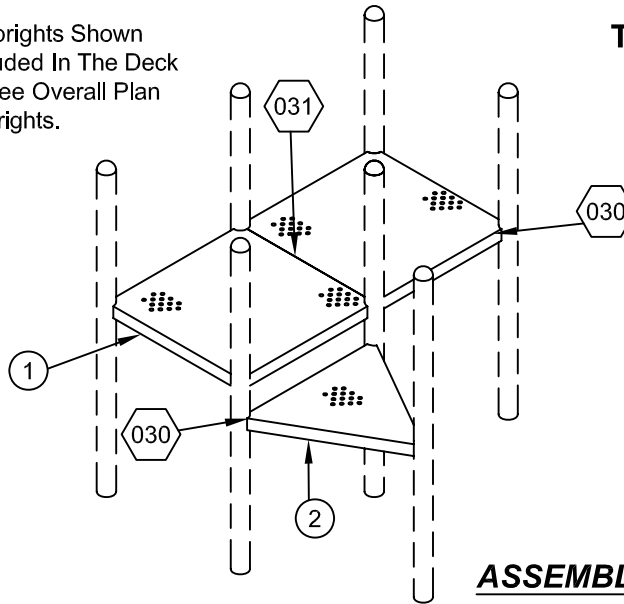
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 80000
TRIANGLE 80001

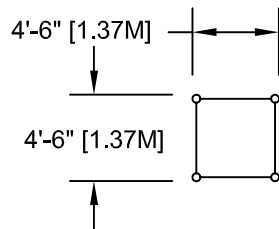
**INSTALLATION
INSTRUCTIONS**

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

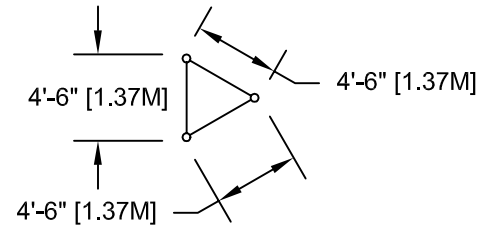
NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING



80000



80001

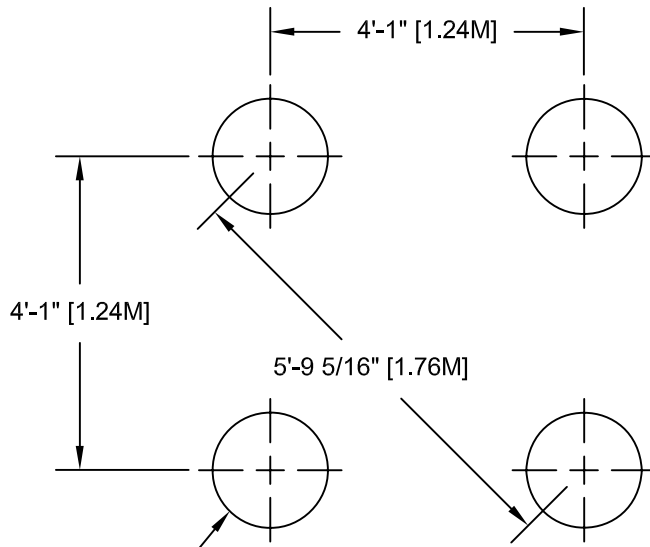
PARTS LIST

REF NO.	DESCRIPTION			PART NUMBER
		80000	80001	
1	Punched Deck, Square	1	0	163307
2	Punched Deck, Triangle	0	1	163317
	Hardware Complete	1	0	161254
	Hardware Complete	0	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	2	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
	3/8" Tee-Nut	2	2	804556*
	3/8" Lockwasher	10	8	817334*
	3/8" Flatwasher (1 1/4" O.D.)	10	8	817424*

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



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

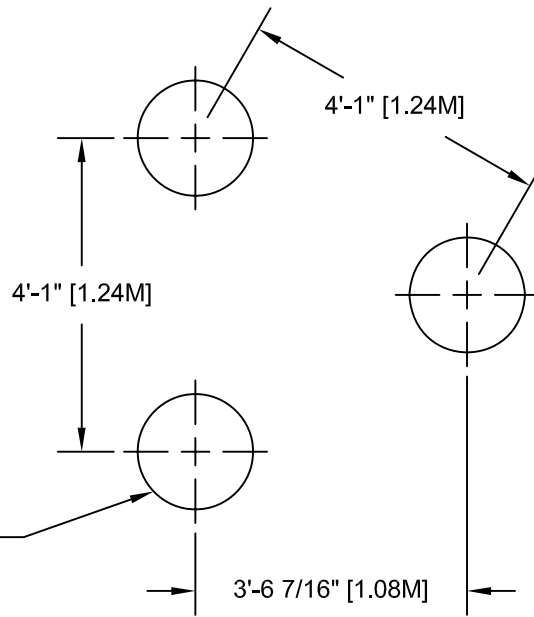


1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

80000

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

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



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

80001

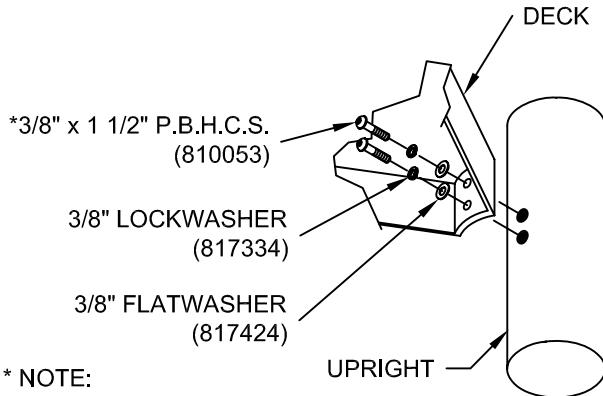
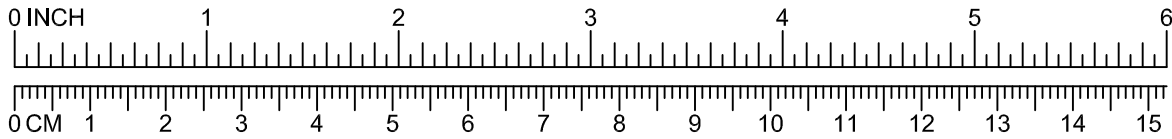
GROUND PLANS

DETAILS -for- 80000 & 80001

IMPORTANT

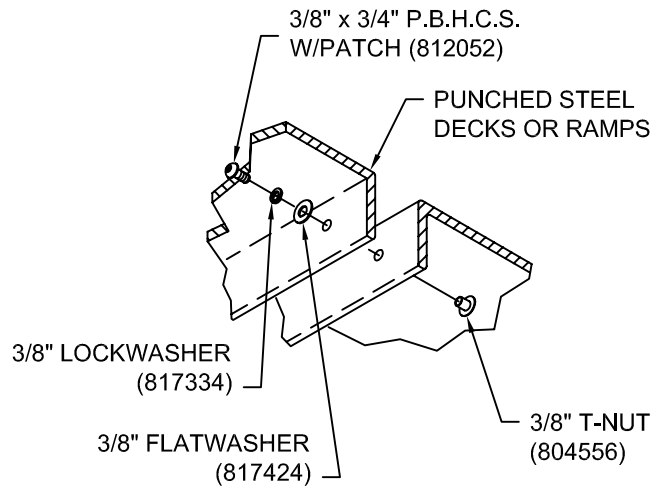
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



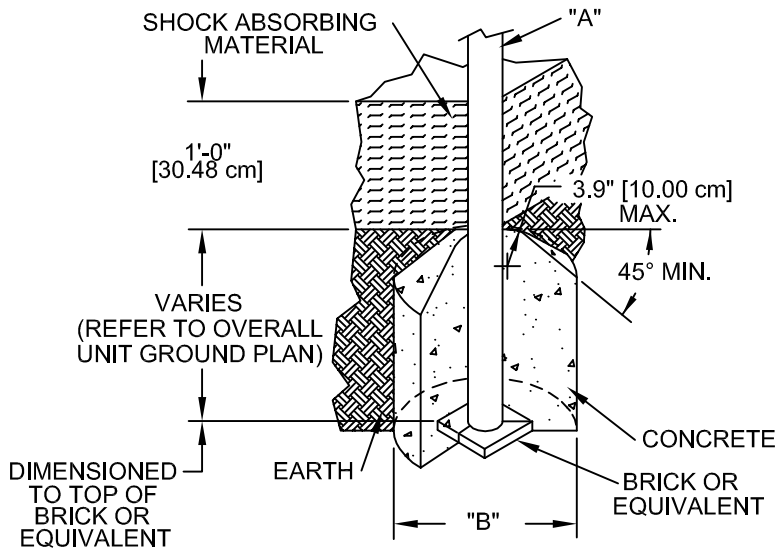
* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

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



030

031



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

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

032

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

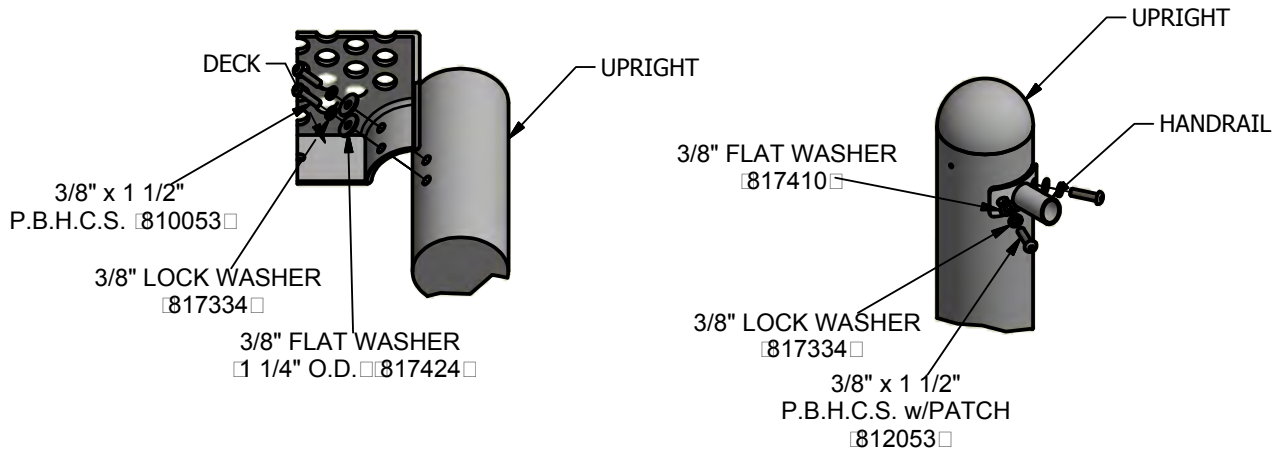
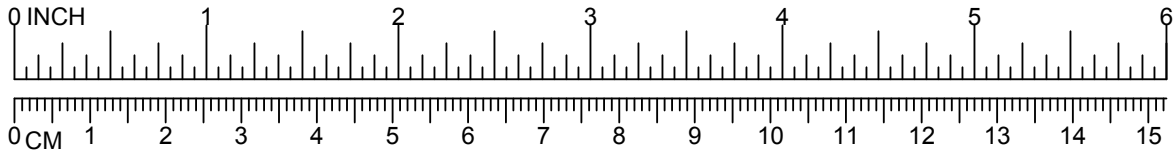
DETAILS -for- 80082

IMPORTANT

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

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

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

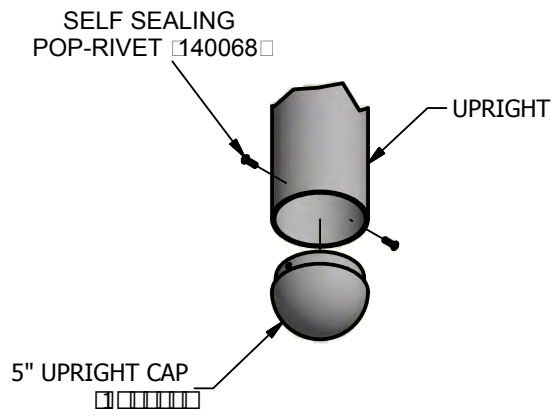


*NOTE:
BOLTS SHOULD BE TORQUED
FROM 20-25 FT. LBS. FOR
PROPER INSTALLATION.

030

449

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



450

**HANDHOLD
KICK PLATE PKG.**

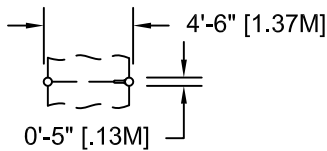
 = INSTALLATION
= DETAIL

 = PARTS LIST
= REFERENCE

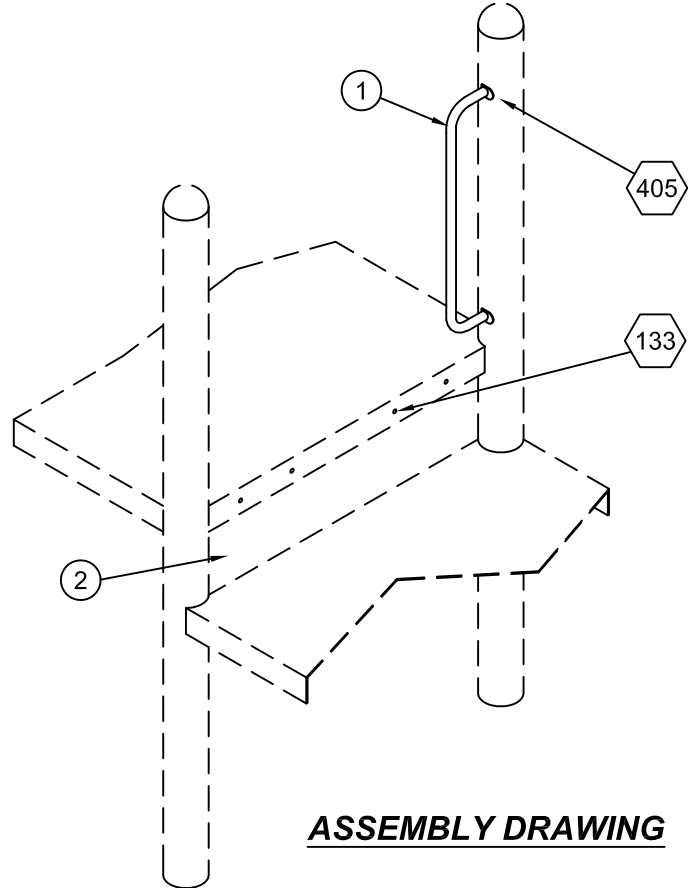
**INSTALLATION
INSTRUCTIONS**

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

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



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

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

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

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

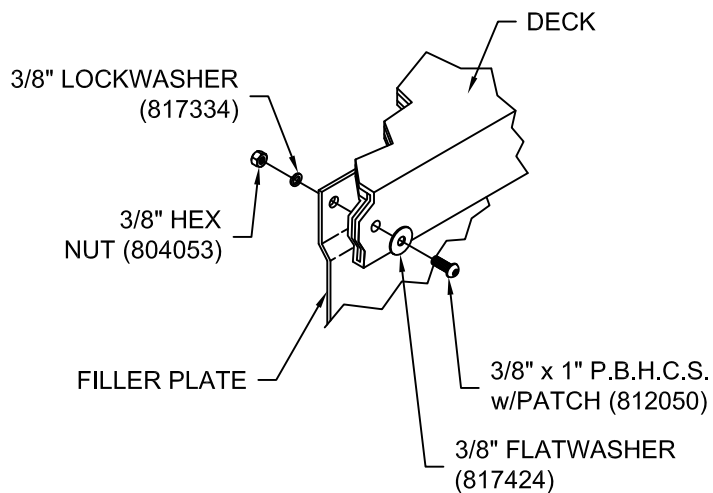
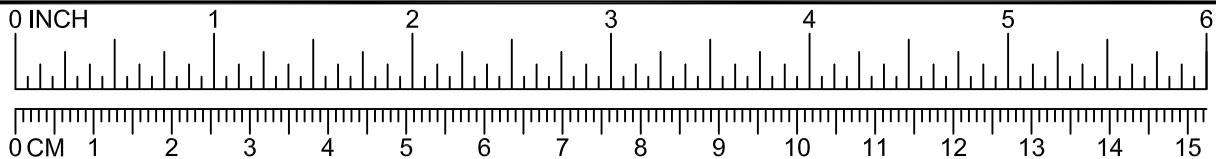
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 80687

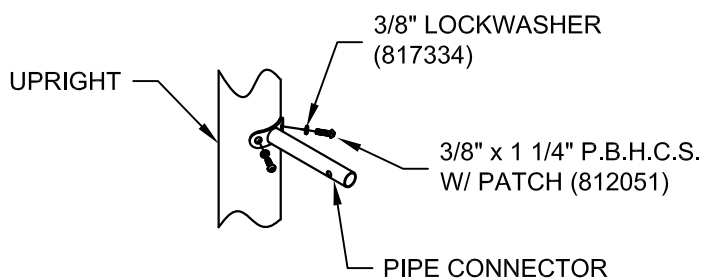
IMPORTANT

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



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

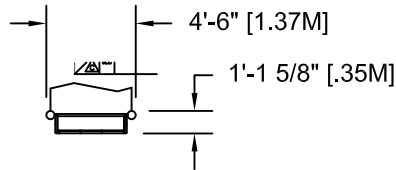


133



405

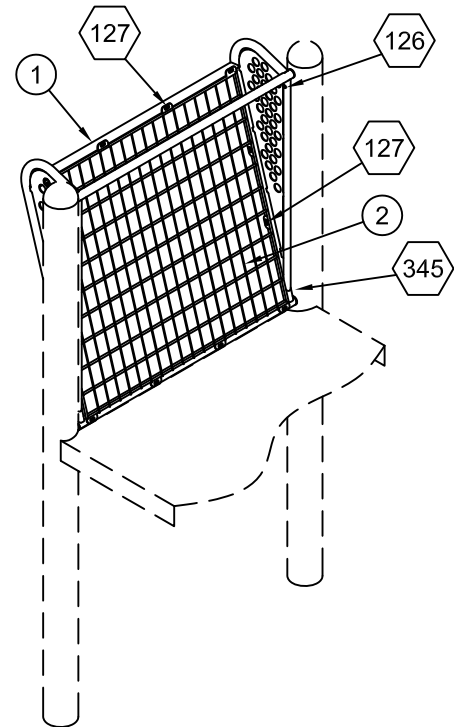
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



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.



ASSEMBLY DRAWING

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Frame Assembly	1	161604
2	Wire Mesh	1	168289
	Hardware Complete	1	164982
	5/16" x 1-1/4" P.B.H.C.S. w/ Patch	12	812044*
	5/16" Lockwasher	12	817330*
	5/16" Tee-Nut	12	804555*
	3/8" x 2" P.B.H.C.S. w/ Patch	2	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/ Patch	2	812056*
	3/8" Lockwasher	4	817334*
	3/8" Plastic Spacer	2	817613*

*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.

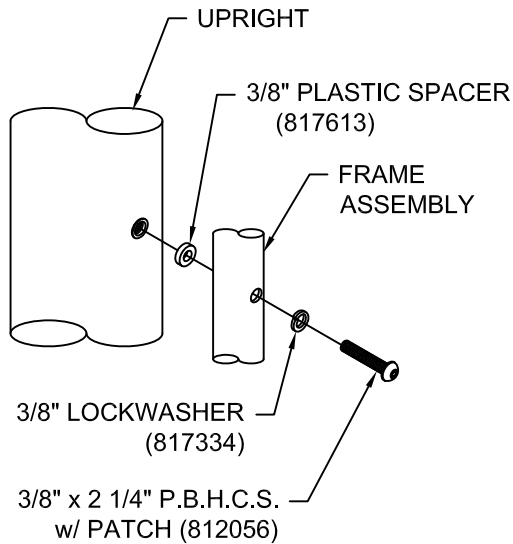
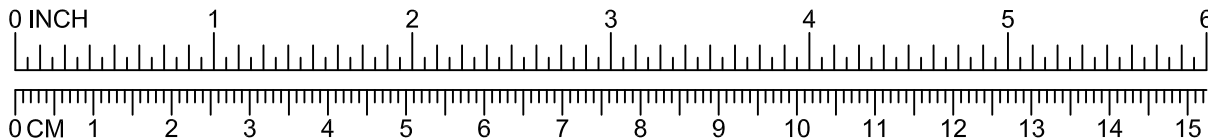
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 80820

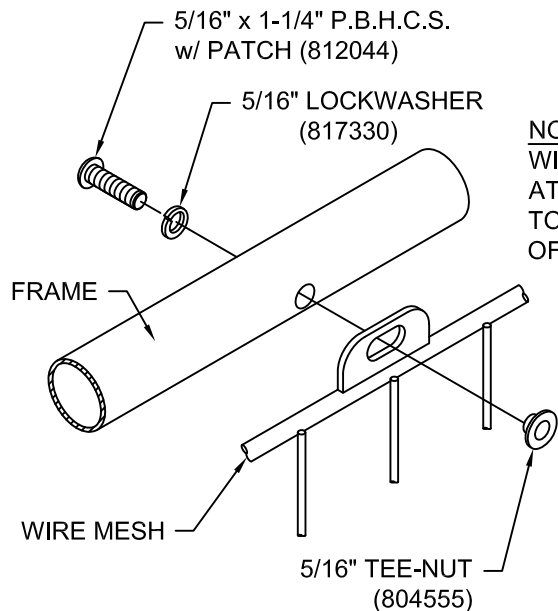
IMPORTANT

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.

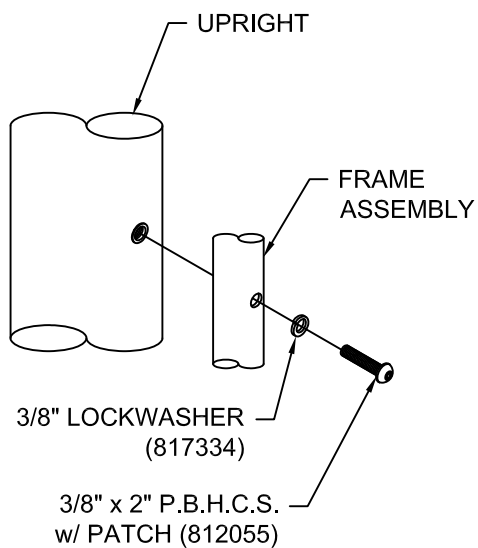


126





NOTE:
WIRE MESH ATTACHES TO INSIDE OF FRAME.

127

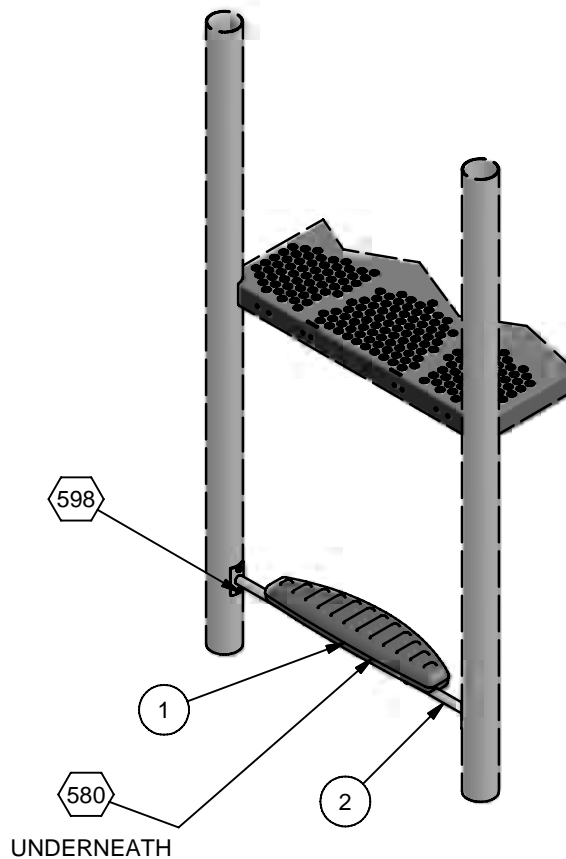


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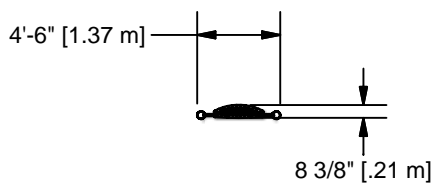
-  = INSTALLATION
 = DETAIL
-  = PARTS LIST
 = REFERENCE

**INSTALLATION
 INSTRUCTIONS**

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



ASSEMBLY DRAWING



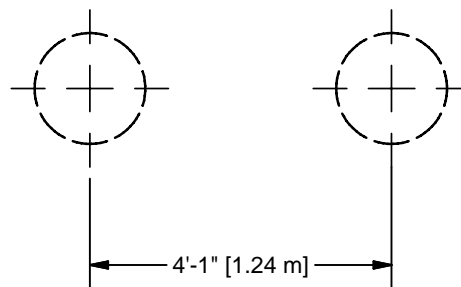
TOP VIEW

PARTS LIST			
REF No.	DESCRIPTION	QTY	PART NUMBER
1	NATURE DISCOVERY TABLE SEAT	1	179945
2	SEAT FRAME WELD ASS'Y	1	200041
	HARDWARE COMPLETE	1	200576
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" FLAT WASHER	8	817410*
	3/8" LOCKWASHER	8	817334*

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

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

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



GROUND PLAN

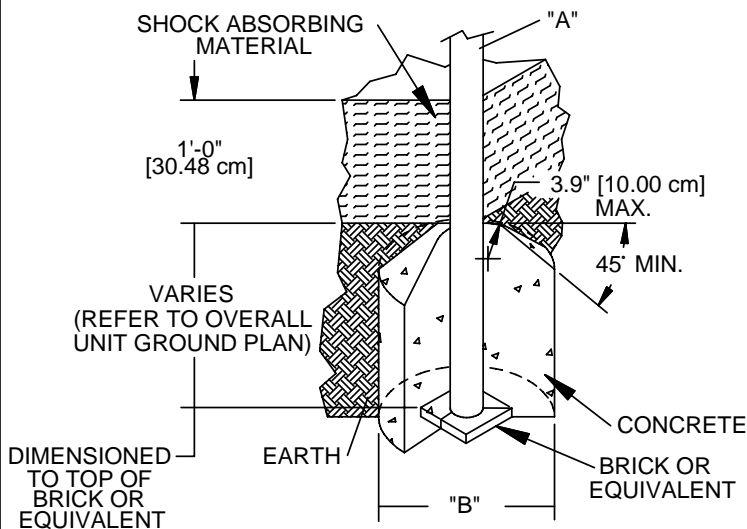
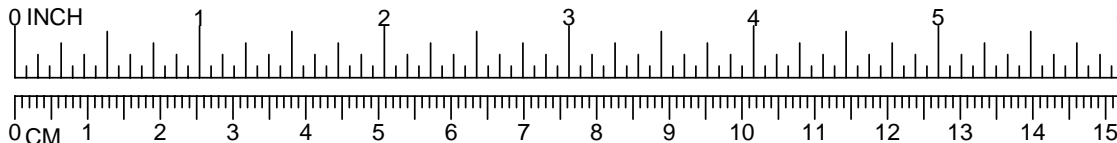
DETAILS -for- 81666

IMPORTANT

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

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

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



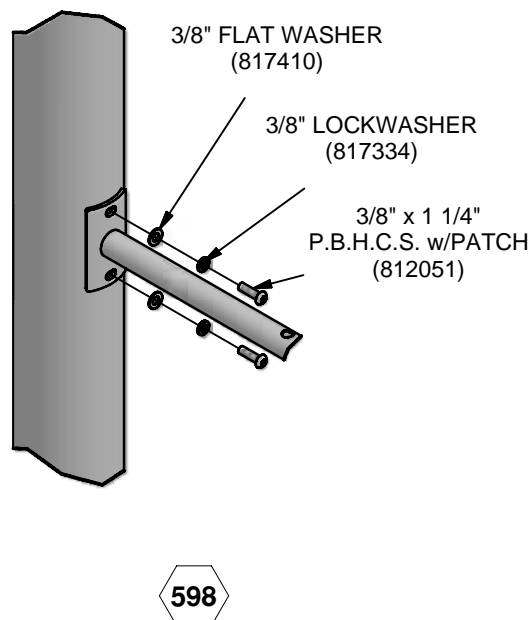
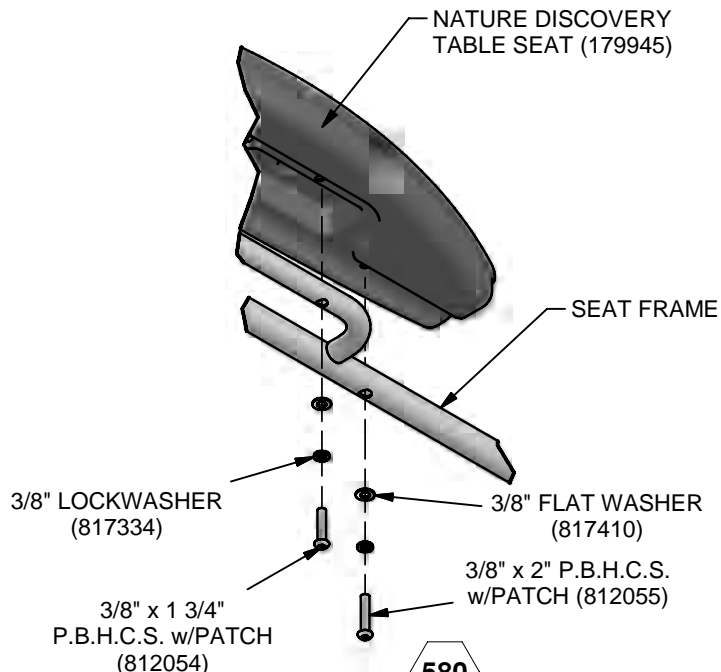
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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



NOTES:

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

032

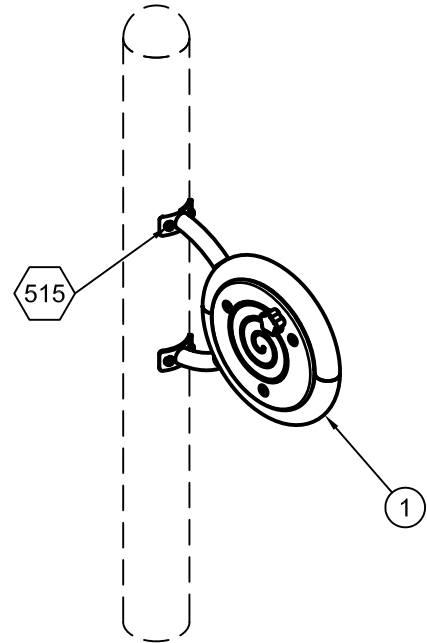
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



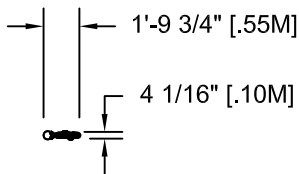
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

**INSTALLATION
INSTRUCTIONS**

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



ASSEMBLY DRAWING



TOP VIEW

PARTS LIST

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

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

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

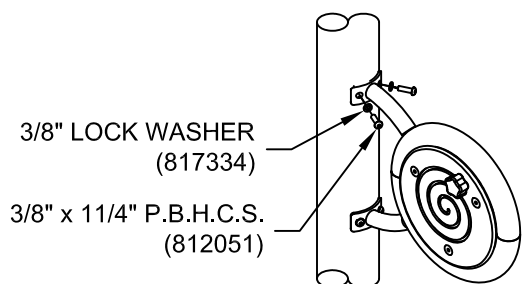
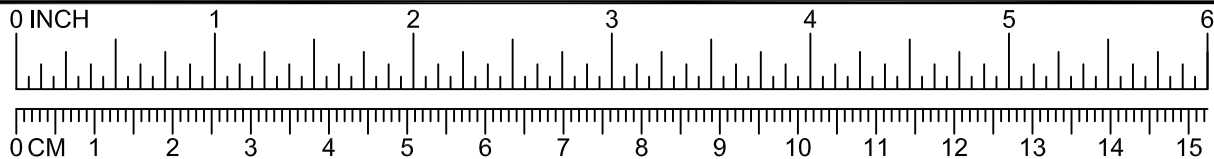
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81669



IMPORTANT

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

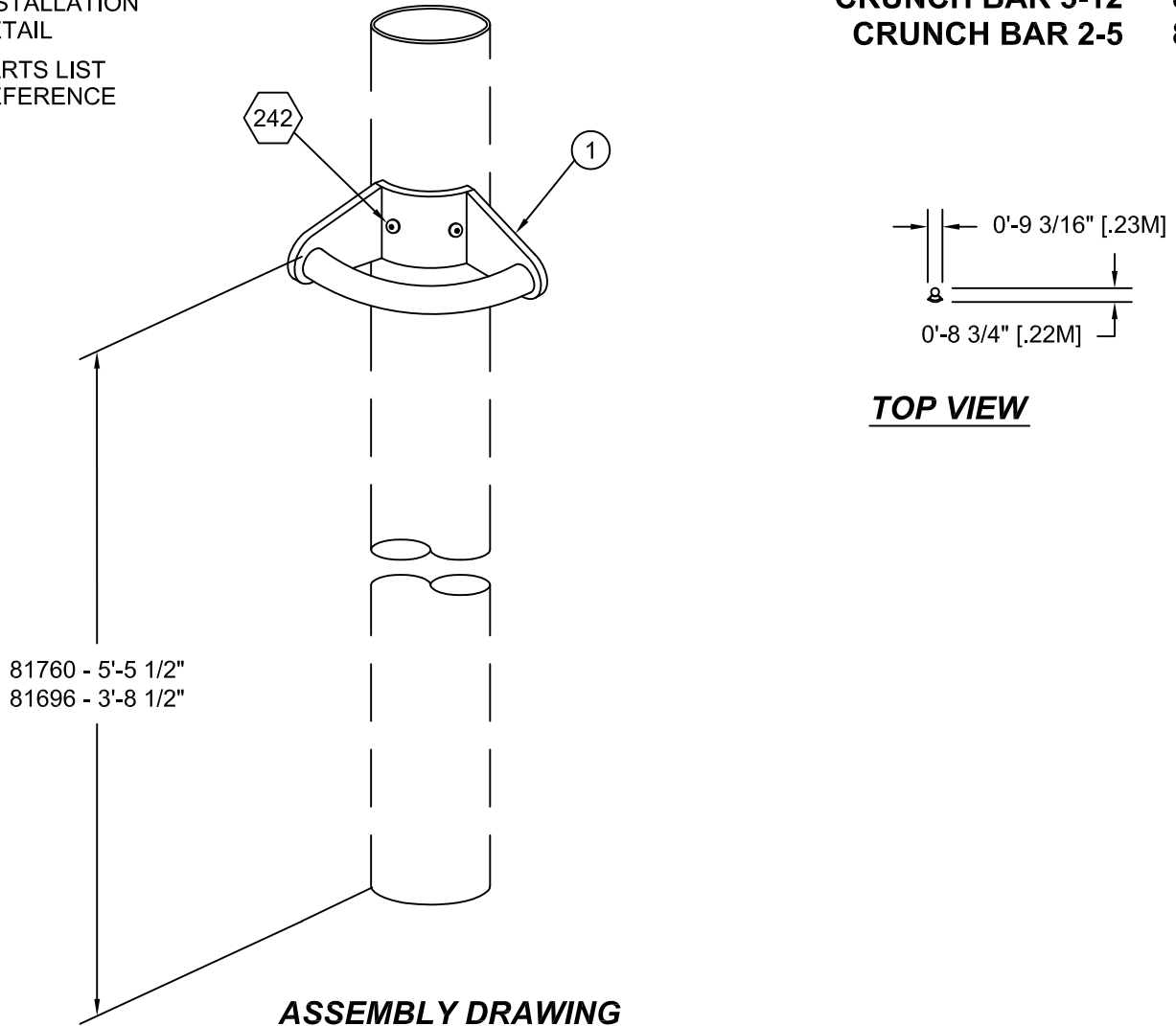
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



515

 = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

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



PARTS LIST

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

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

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

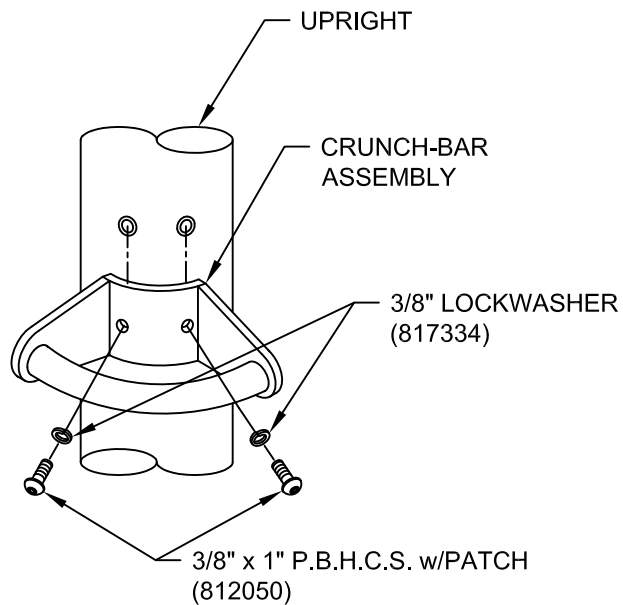
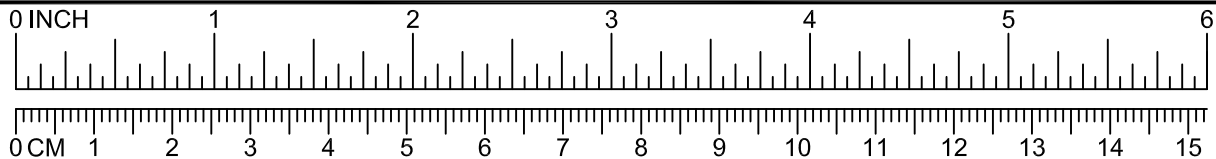
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81670 & 81696

IMPORTANT



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

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



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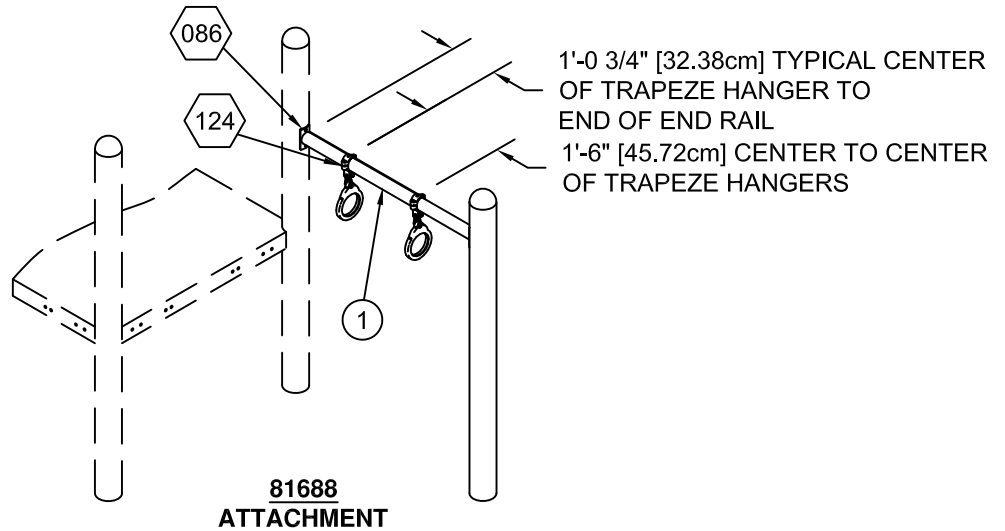
THERAPEUTIC RINGS

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

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

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



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Cross Bar	1	159564
	Hardware Complete	1	159576
	3/8" Lockwasher	4	817334*
	3/8" x 1" P.B.H.C.S. w/Patch	4	812050*
	3/8" x 2" Carriage Bolt	4	800256*
	3/8" Lock Nut	4	804353*
	3/8" x 1 1/2" Shoulder Bolt	2	811227*
	1/2" x 2-1/2" Hex Bolt	2	801200*
	1/2" Lockwasher	2	817342*
	1/2" Hex Nut	2	804055*
	Pendulum	2	177721*
	Top Clevis	2	157000*
	Bottom Clevis	2	157014*
	Trapeze Ring	2	109*
	5/16" Jam Nut	2	804100*
	3/8" Flatwasher	4	817410*

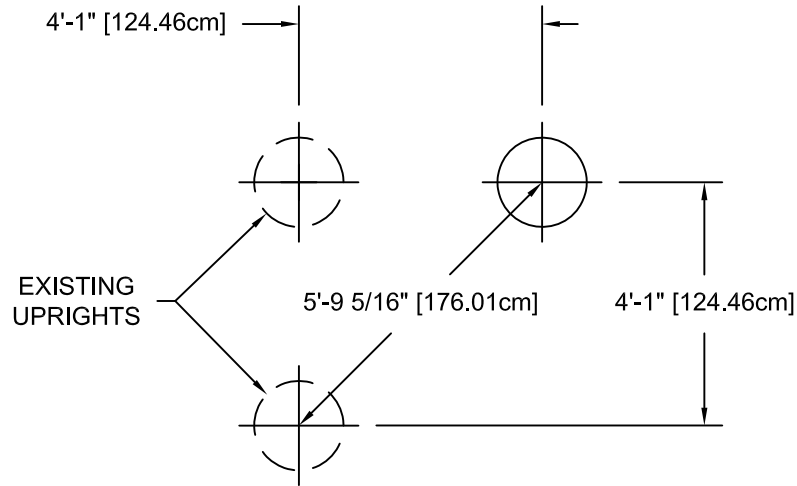
Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

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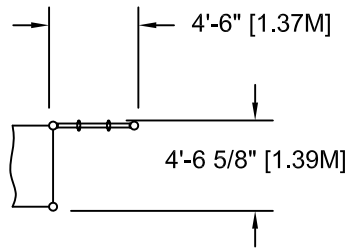
Note: Loctite (supplied by others) should be used on all threaded hardware.

Concrete Required
.10 Cubic Yards
[.08 Cubic Meters]
Attachments Only

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



GROUND PLAN



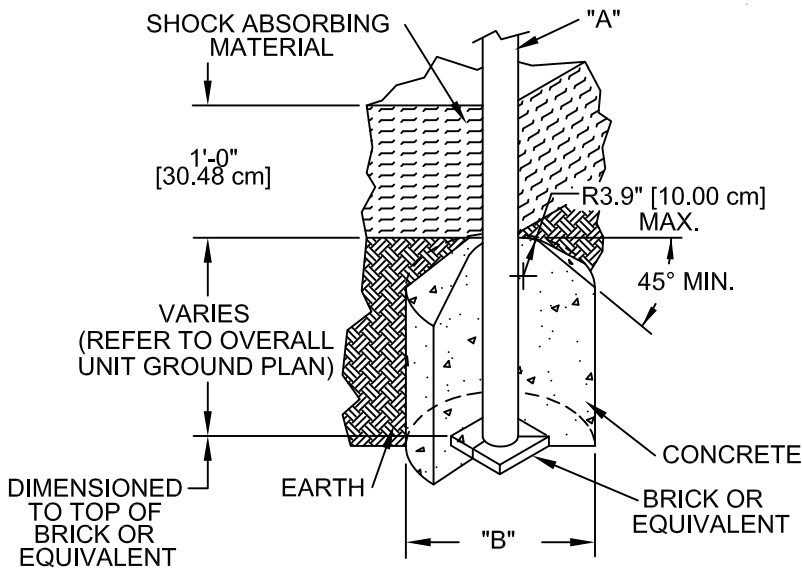
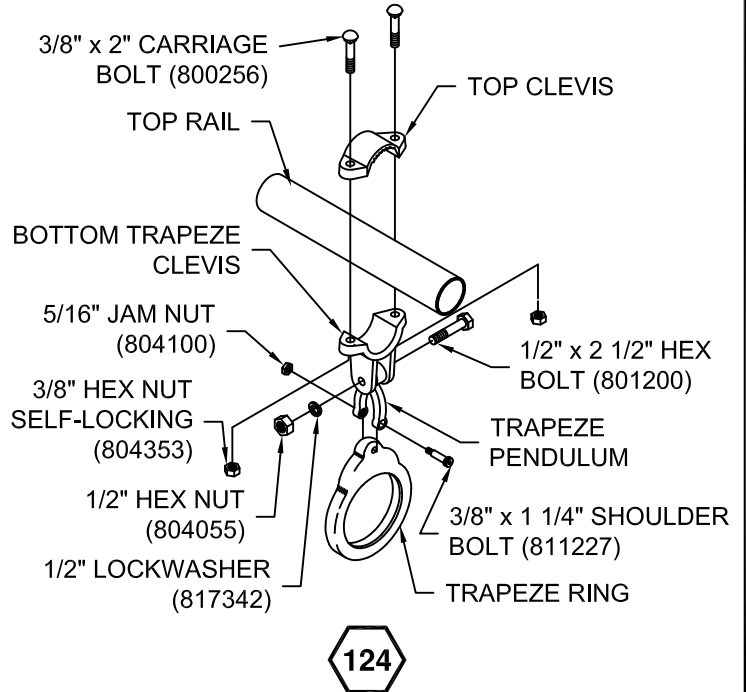
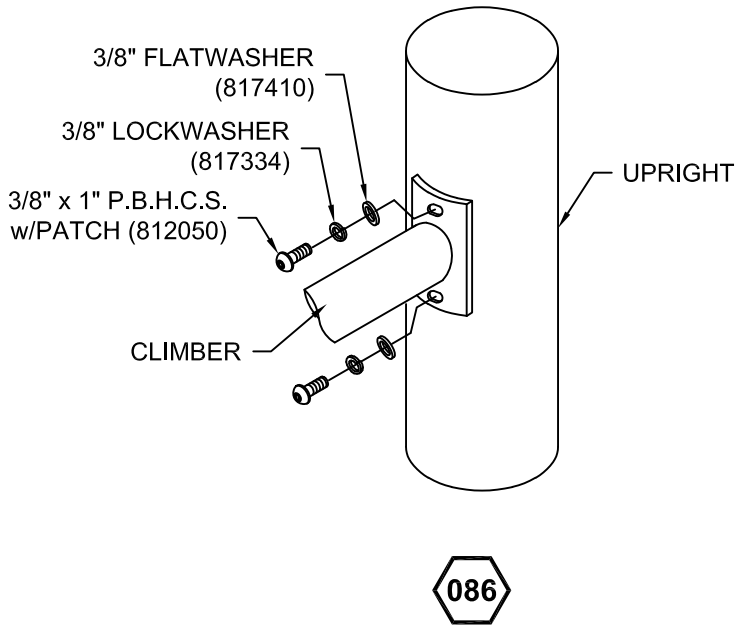
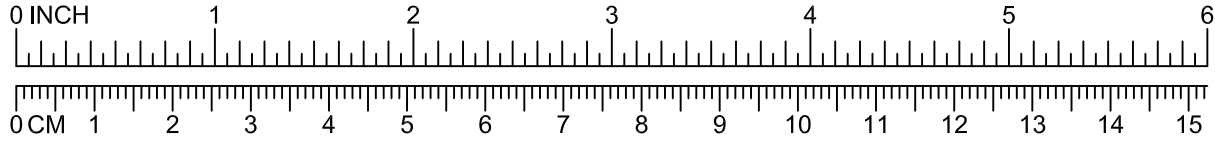
TOP VIEW

DETAILS -for- 81688

IMPORTANT

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



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



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

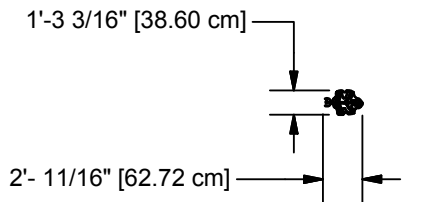
NOTES:
 -SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

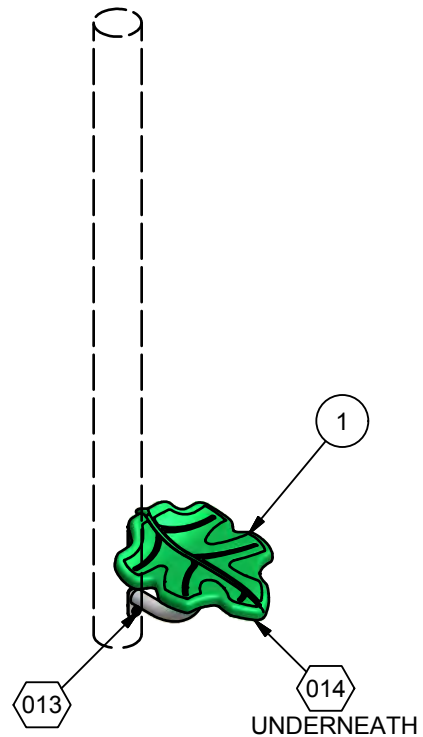
-  = INSTALLATION
-  = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

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



TOP VIEW



ASSEMBLY VIEW

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

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

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

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

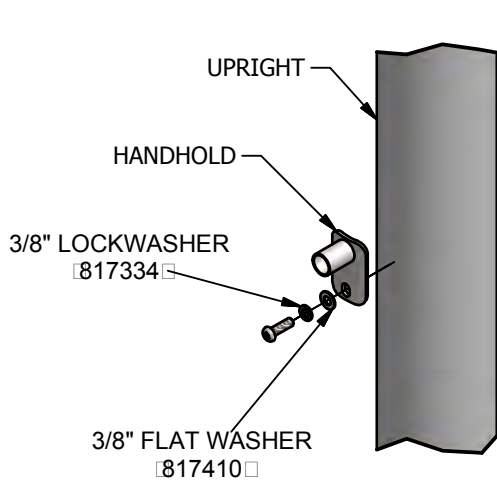
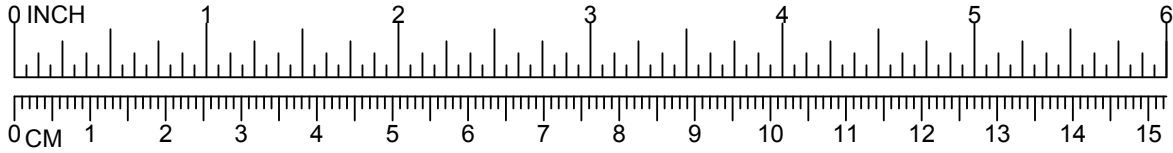
DETAILS -for- 81766

IMPORTANT

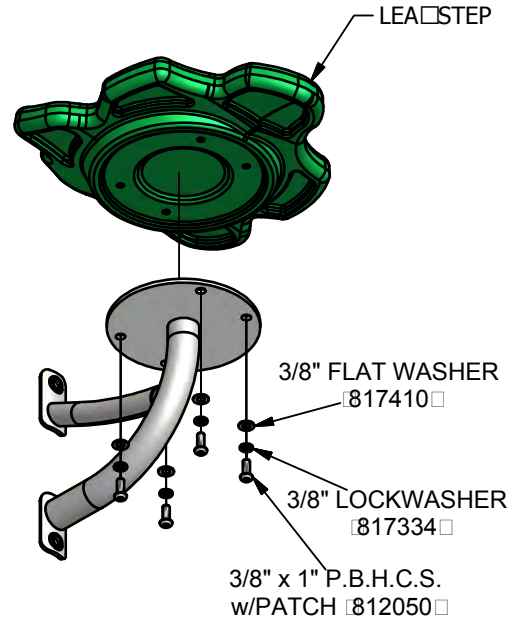
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



013



014

PowerScape®

90004

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/22/2022

TWO PIECE HEX DECK

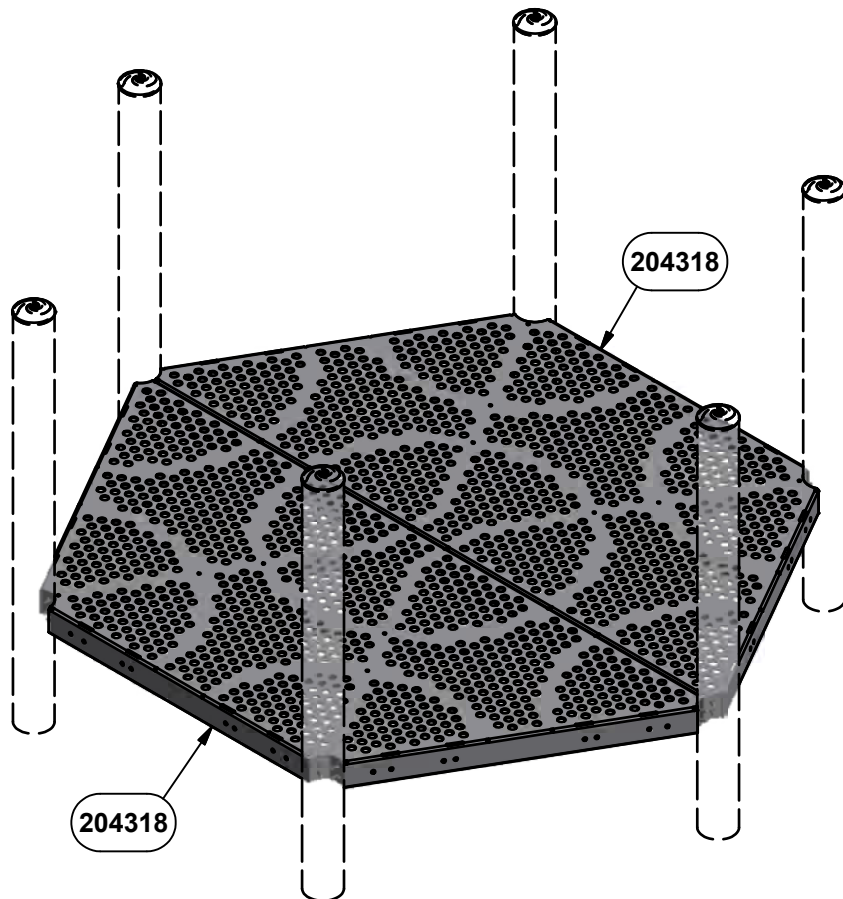
LARGE HOLES 90004
ADA HOLES 90005



UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

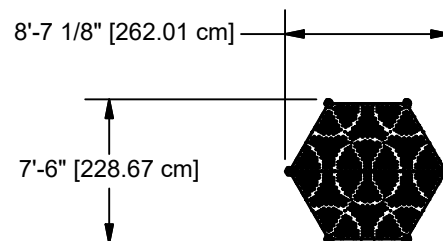


ASSEMBLY VIEW

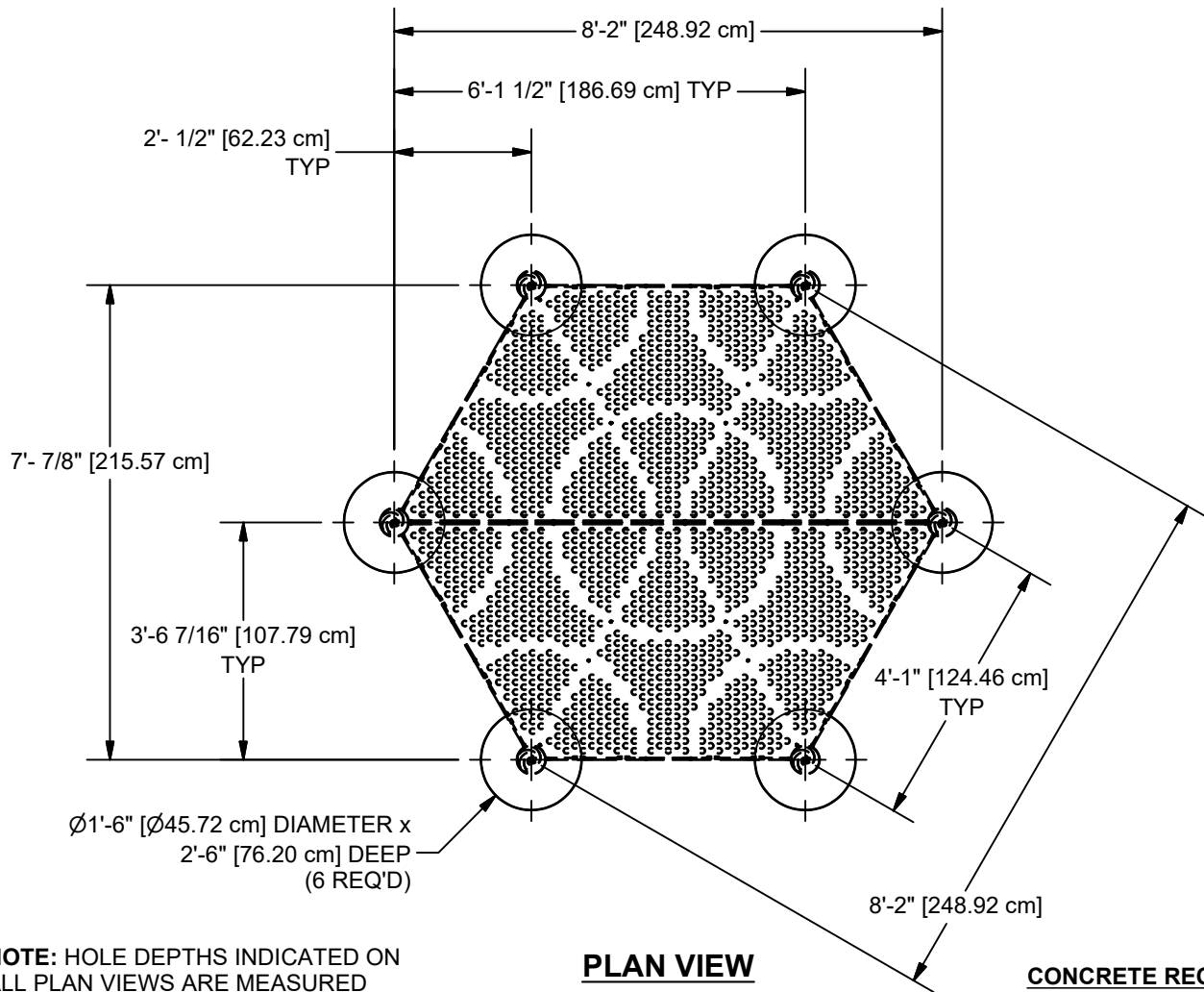
90004 SHOWN
OTHER SIMILAR

INSTALLATION INSTRUCTIONS

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

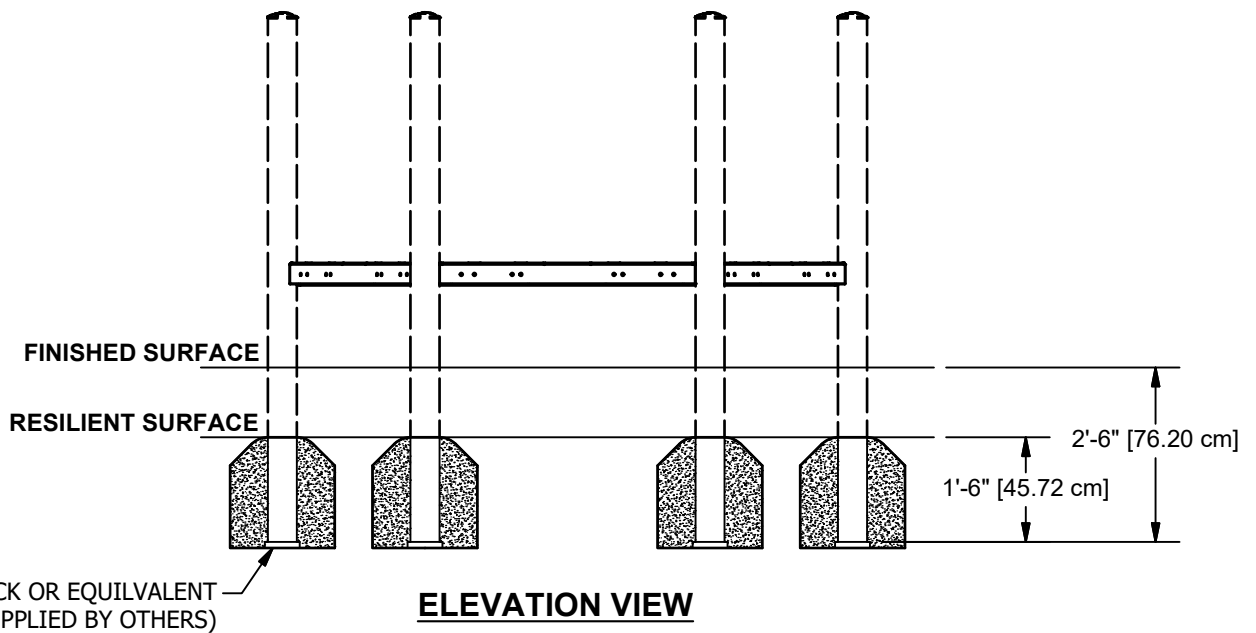


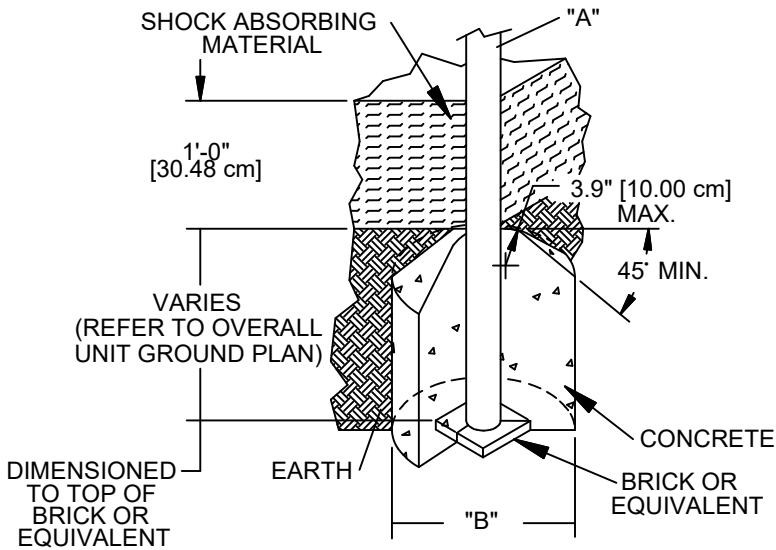
TOP VIEW



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

CONCRETE REQUIRED
.59 Cubic Yards
[.45 Cubic Meters]





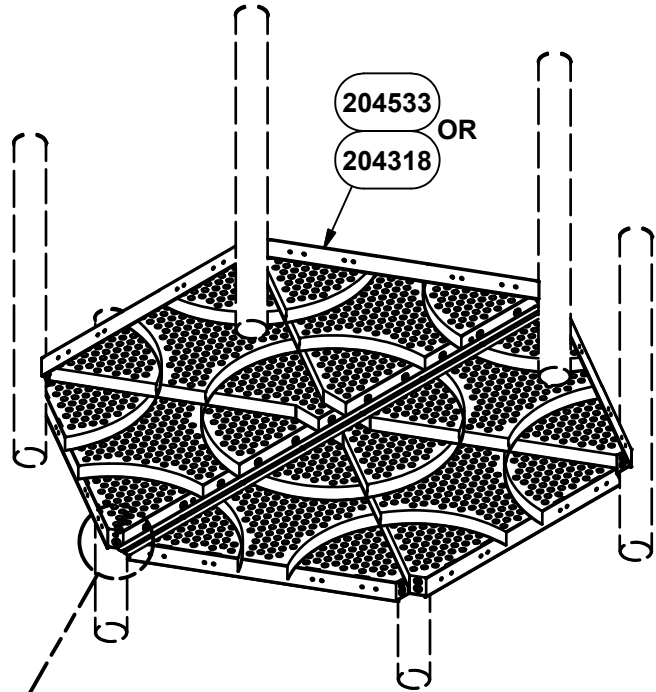
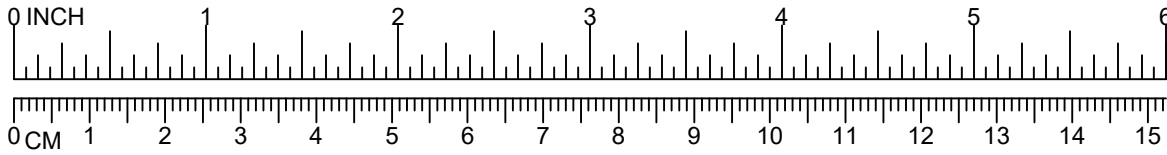
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
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2 3/8" [6.03 cm]	1'-2" [35.56 cm]
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5" [12.70 cm]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

NOTES:

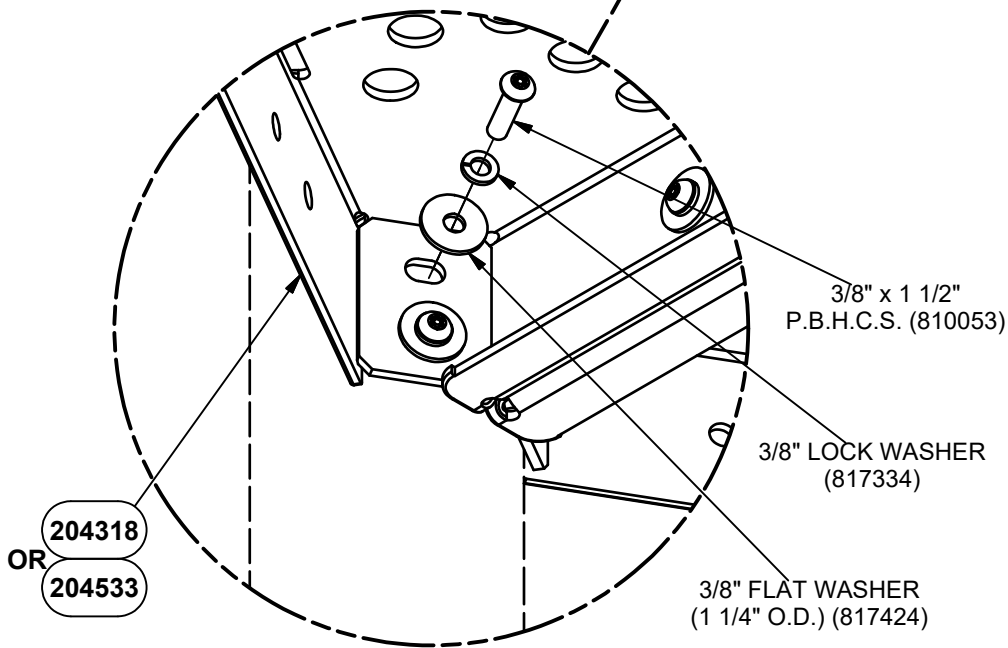
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL



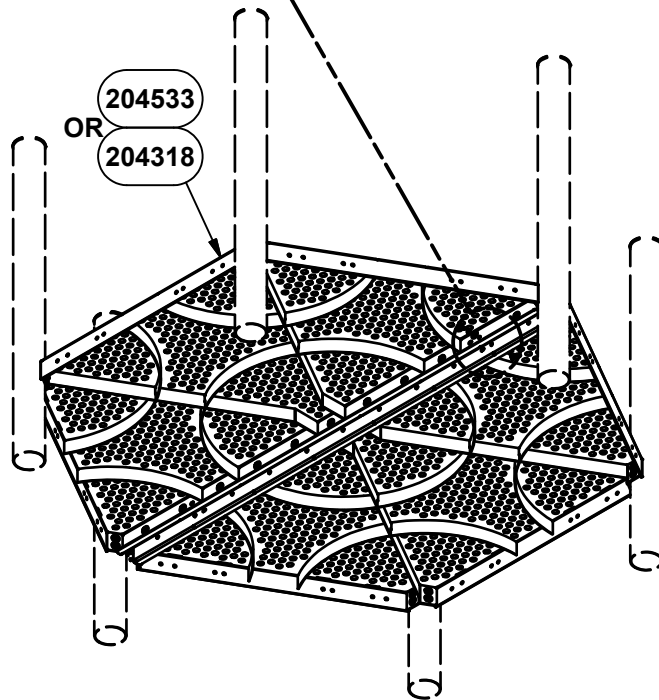
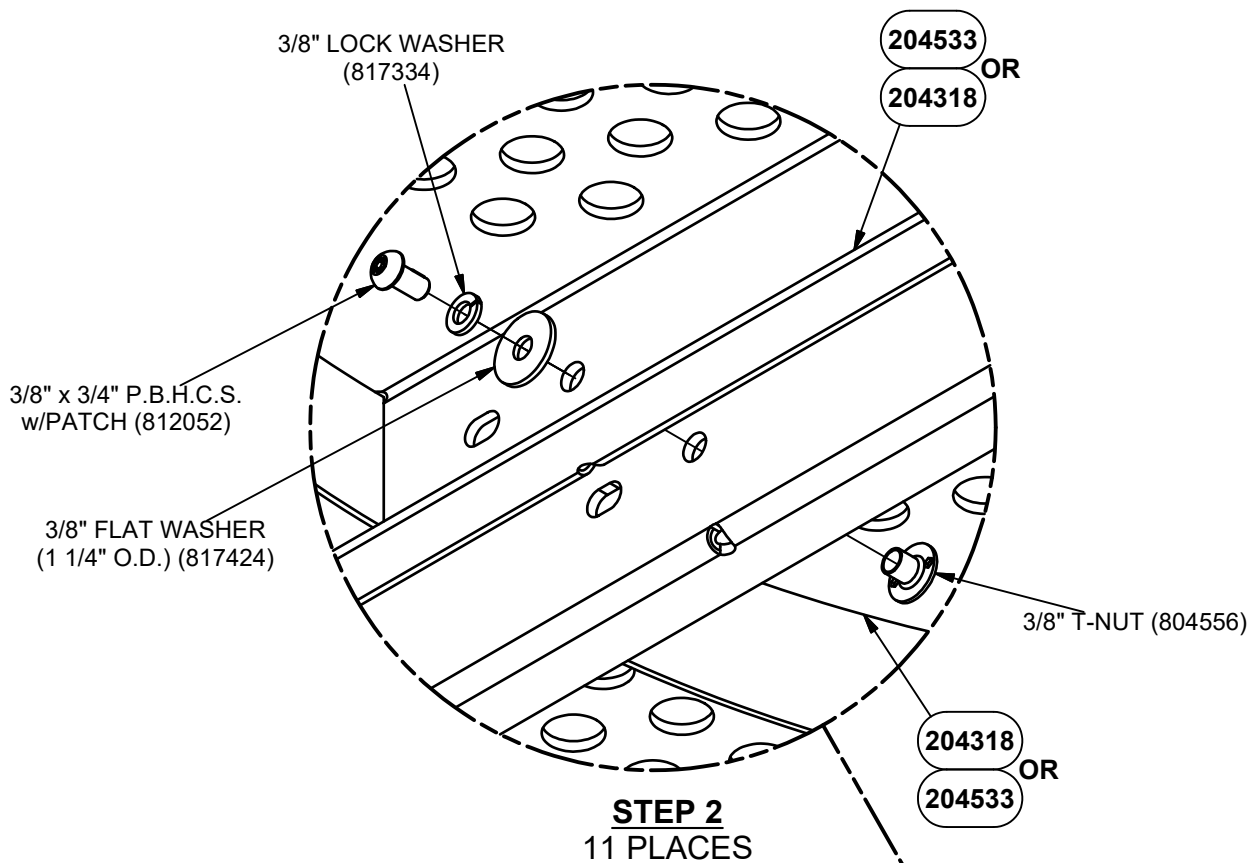
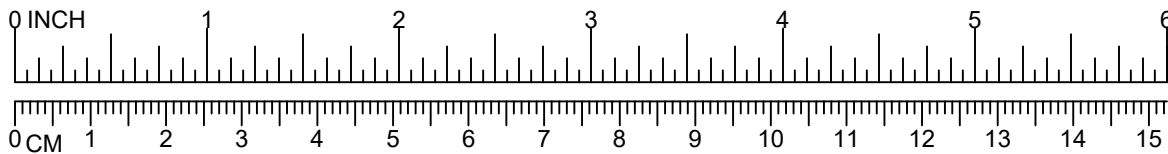
NOTE:
 BOLTS SHOULD BE
 TORQUED FROM
 20-25 FT. LBS. FOR
 PROPER INSTALLATION.



STEP 1
 24 PLACES

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

DETAIL VIEW



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

DETAIL VIEW

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

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape




GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/17/13

90011 FLOWER TALK TUBE

-  = INSTALLATION
-  = PARTS LIST
-  = REFERENCE

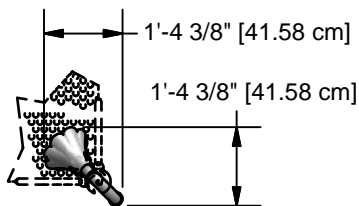
0'-6" TO 2'-0"	90011
2'-6" TO 4'-0"	90012
4'-6" TO 6'-0"	90013
6'-6" TO 8'-0"	90113



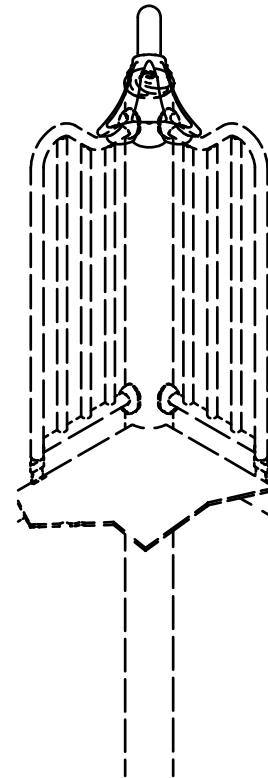
90011
90012
90013



90113



90011 THRU 90113
TOP VIEW



90011 THRU 90113
SHOWN

INSTALLATION INSTRUCTIONS

IN-GROUND ASSEMBLY

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

DECK ASSEMBLY

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Dig 6" wide x 6" deep trench between designated locations for talk tubes.
4. Refer to Pipe Length chart on the *Assembly Drawing* to field cut the non-swaged end of talk tube section to its proper length.
5. Attach Connection Sleeves to Upright. Refer to Detail 437.
6. Slide talk tube section thru Connection Sleeves and attach the talk tube section and 10'-0" lengths of PVC pipe to the 90° PVC elbow using the Fitting Detail.

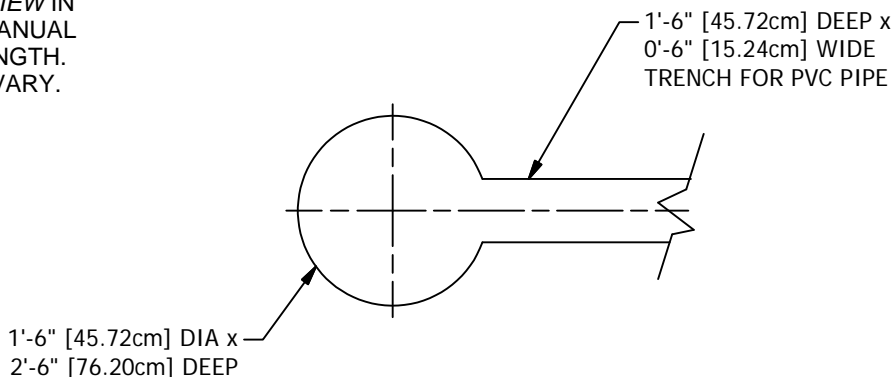
7. Slide the Funnel Assembly thru connection sleeve. Fit Funnel Assembly over swaged top on Talk Tube Section. Refer to detail 231. ***Note: See Top View for orientation. Funnel Assembly should be positioned directly over top of upright as shown in Assembly Drawing and Top View.**

8. Refer to the Assembly Drawing dimensions of Funnel Assembly in relation to the upright. Attach Funnel Assembly and Talk Tube Section to Connection Sleeves using pop rivets. Refer to detail 232.

9. For Ground level installation attach Funnel Assembly to upright using detail 034. Refer to Assembly Drawing for proper placement.

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

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

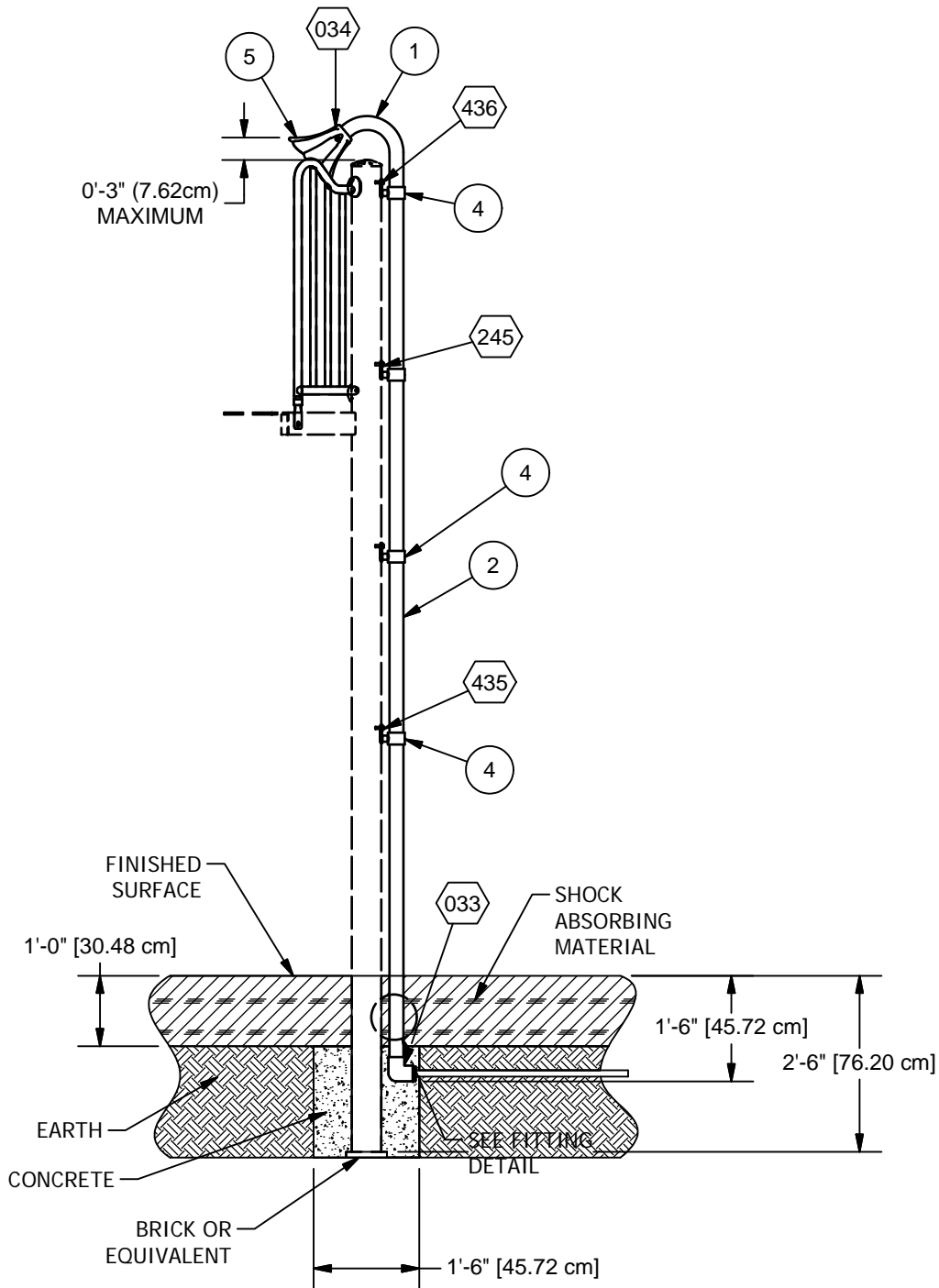
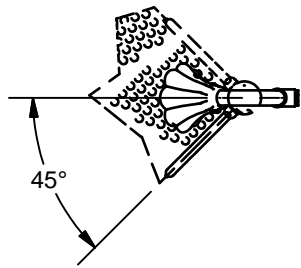


GROUND PLAN

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

NOTE: SUGGESTED MINIMUM
CONCRETE RATING: 3000 PSI

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



**ASSEMBLY DRAWING
90113 SHOWN
(2 TO 12 YEAR AGE)**

TALK TUBE SECTION LENGTHS

* MEASURED FROM SWAGED END
TO OPPOSITE END OF PIPE.

PRODUCT NO.	DECK HEIGHT	LENGTH OF TALK TUBE SECTION (NON-SWAGED END) TO BE REMOVED IN FIELD	FINAL TALK TUBE SECTION LENGTHS
90011	0'-6"	12" LG.	36 1/2" LG.
	1'-0"	12" LG.	36 1/2" LG.
	1'-6"	NO CUTTING REQUIRED	48 1/2" LG.
	2'-0"	NO CUTTING REQUIRED	48 1/2" LG.
90012	2'-6"	12" LG.	60 1/2" LG.
	3'-0"	12" LG.	60 1/2" LG.
	3'-6"	NO CUTTING REQUIRED	72 1/2" LG.
	4'-0"	NO CUTTING REQUIRED	72 1/2" LG.
90013	4'-6"	12" LG.	84 1/2" LG.
	5'-0"	12" LG.	84 1/2" LG.
	5'-6"	NO CUTTING REQUIRED	96 1/2" LG.
	6'-0"	NO CUTTING REQUIRED	96 1/2" LG.
90113	6'-6"	12" LG.	108 1/2" LG.
	7'-0"	12" LG.	108 1/2" LG.
	7'-6"	NO CUTTING REQUIRED	120 1/2" LG.
	8'-0"	NO CUTTING REQUIRED	120 1/2" LG.

PARTS LIST

ITEM	DESCRIPTION	90011	90012	90013	90113	PART #
1	FUNNEL WELD ASSEMBLY	1	1	1	1	203221
2	PIPE, 48-1/2" LG. (FOR 0'-6" TO 2'-0" DECK)	1	0	0	0	159378
2	PIPE, 72-1/2" LG. (FOR 2'-6" TO 4'-0" DECK)	0	1	0	0	165585
2	PIPE, 96-1/2" LG. (FOR 4'-6" TO 6'-0" DECK)	0	0	1	0	159412
2	PIPE, 120-1/2" LG. (FOR 6'-6" TO 8'-0" DECK)	0	0	0	1	165587
3	1-1/4" PVC PIPE (10' LG.)	2	2	2	2	147221
4	CONNECTION SLEEVE ASSEMBLY	3	3	4	4	176453
5	FLOWER	1	1	1	1	201412
	HARDWARE COMPLETE	1	1	0	0	206474
	HARDWARE COMPLETE	0	0	1	1	206475
6	2" x 1-1/4" PVC BUSHING	1	1	1	1	141216*
7	2" PVC 90 ELBOW	1	1	1	1	141214*
8	1-1/4" PVC COUPLING	2	2	2	2	147222*
	4 OZ. CAN PVC GLUE	1	1	1	1	147199*
	POP RIVET	6	6	8	8	140068*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	3	3	4	4	812051*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	1	1	1	1	812076*
	3/8" LOCKWASHER	3	3	4	4	817334*
	3/8" FLATWASHER	1	1	1	1	817410*
	3/8" BARREL NUT	1	1	1	1	804804*

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

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

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

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

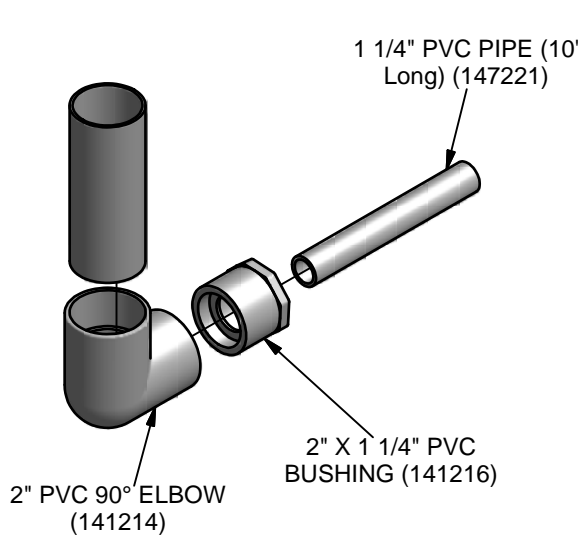
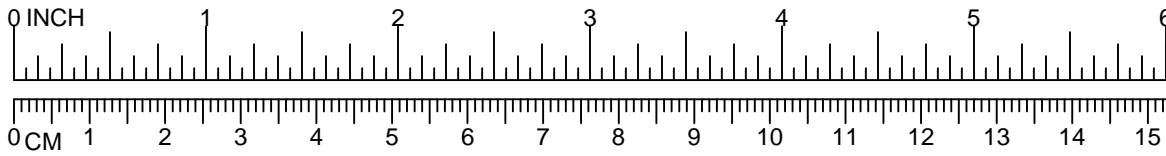
DETAILS -for- 90011, 90012, 90013 & 90113

IMPORTANT

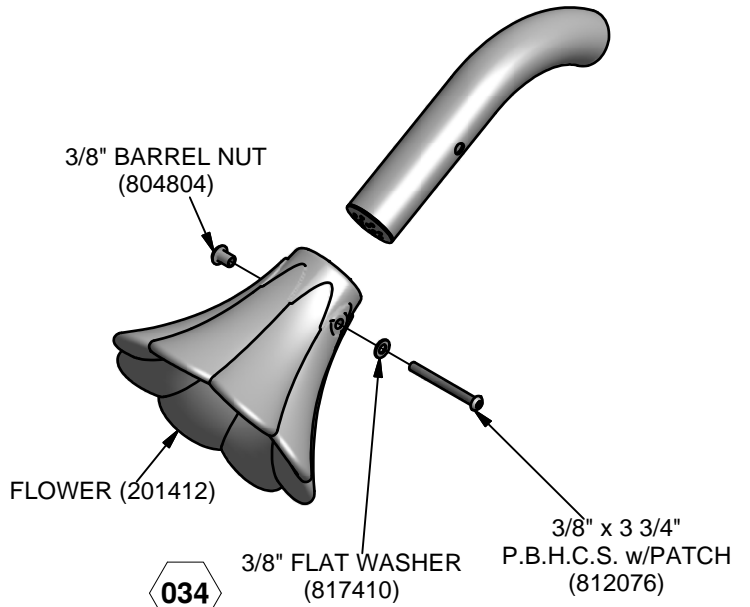
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

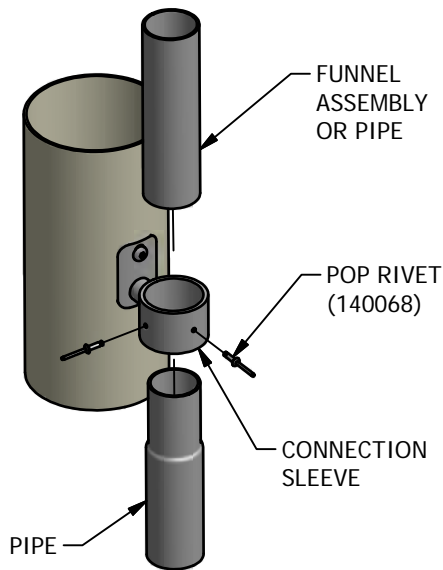
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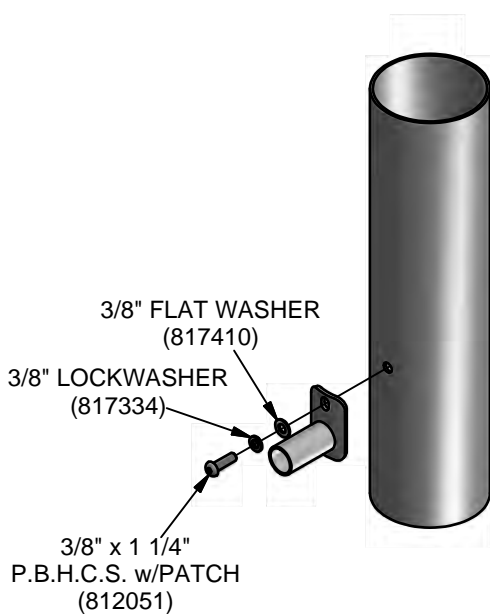
033



034



245



430

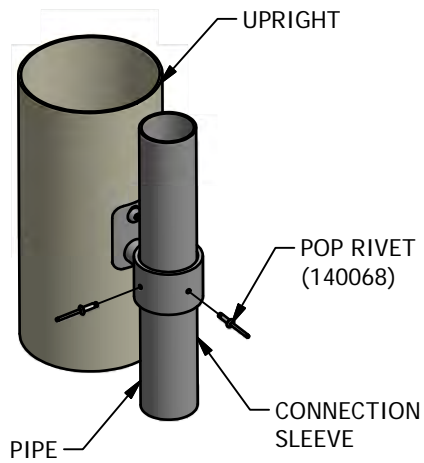
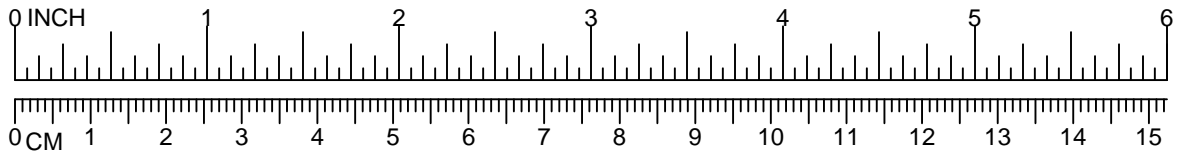
DETAILS -for- 90011, 90012, 90013 & 90113

IMPORTANT

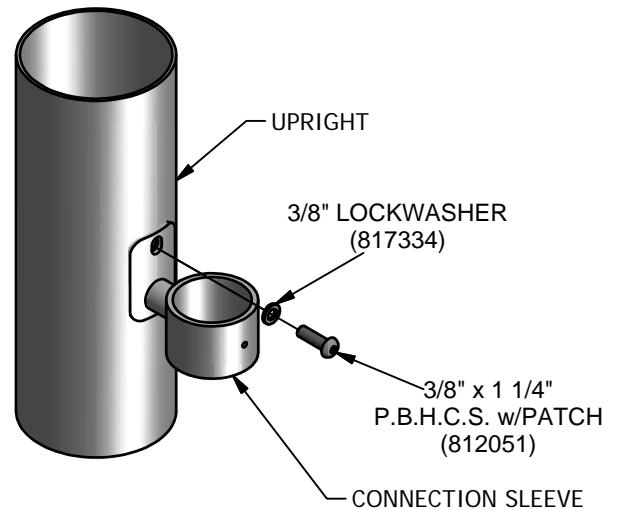
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



435



436

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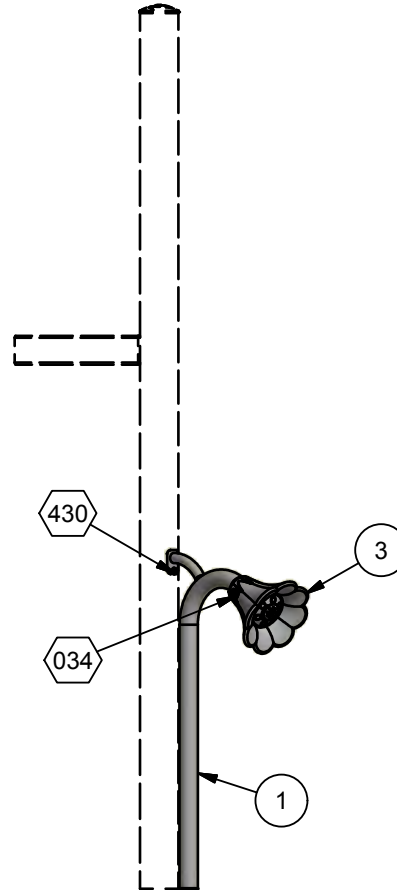
ISSUED/REVISED: 12/20/18

90174 FLOWER TALK TUBE

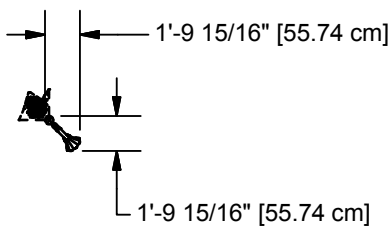
GROUND LEVEL 90174

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



ASSEMBLY DRAWING



TOP VIEW

INSTALLATION INSTRUCTIONS

1. BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED **INSTALLER INSTRUCTIONS** IN THE INSTALLATION BOOKLET. FOLLOW ALL INSTRUCTIONS DURING INSTALLATION.

2. ASSEMBLE PARTS AS SHOWN IN THE **ASSEMBLY DRAWING**. REFER TO THE ASSEMBLY DETAILS FOR THE SPECIFIC HARDWARE REQUIRED IN EACH CONNECTION.

3. DIG 6" WIDE x 6" DEEP TRENCH BETWEEN DESIGNATED LOCATIONS FOR TALK TUBES.

4. ATTACH FLOWER TO STEM ASSEMBLY USING DETAIL 034.

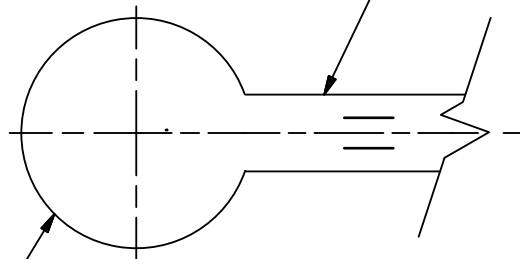
5. FOR GROUND LEVEL INSTALLATION, ATTACH GROUND LEVEL STEM ASSEMBLY TO UPRIGHT USING DETAIL 004. REFER TO ASSEMBLY DRAWING FOR PROPER PLACEMENT.

ATTENTION: BECAUSE SOUND TRAVELS BEST IN A STRAIGHT LINE, THE PIPE AND COUPLINGS FURNISHED WITH THIS PRODUCT ACCOMMODATE IN-LINE INSTALLATION. IF YOUR INSTALLATION REQUIRES TURNS IN THE PIPE, YOU MAY PURCHASE THE APPROPRIATE 1-1/4" PVC COUPLINGS AT A LOCAL HARDWARE OR PLUMBING SUPPLY STORE.

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

1. 15.2 cm DIA.
2. 2 cm DEEP

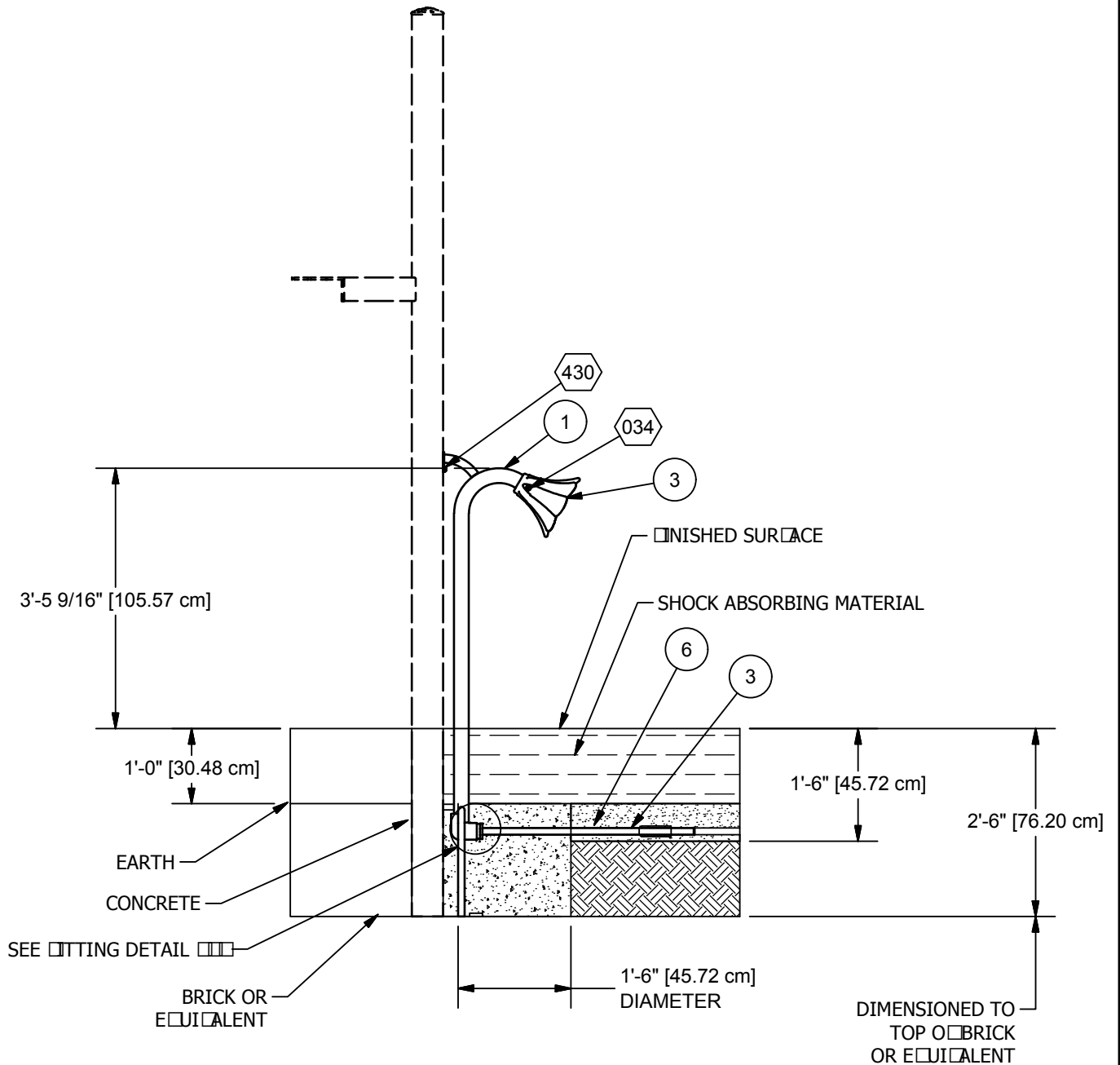
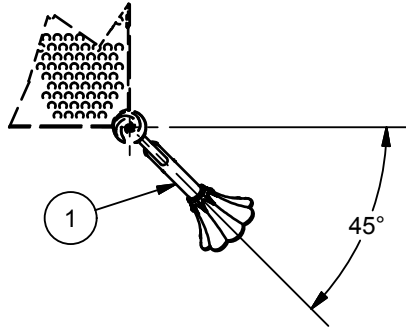
1. 5.2 cm DEEP
2. 5.2 cm WIDE
TRENCH OR PVC PIPE



GROUND PLAN

CONCRETE REQUIRED:
 .10 CUBIC YARDS
 [.07 CUBIC METERS]
 SUGGESTED MINIMUM
 CONCRETE RATING: 3000PSI

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



ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	90174	PART NUMBER
1	STEM WELD ASSEMBLY	1	206042
2	1 1/4" PVC PIPE 10' LG.	2	147221
3	FLOWER	1	201412
	HARDWARE COMPLETE	1	211281
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	1	812051*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	1	812076*
	3/8" LOCK WASHER	1	817334*
	3/8" FLAT WASHER	2	817410*
	3/8" BARREL NUT	1	804804*
	2" x 1 1/4" PVC BUSHING	1	141216*
	2" PVC 90° ELBOW	1	141214*
	1 - 1/4" PVC COUPLING	2	147222*
	4 O.C. CAN PVC GLUE	1	147199*

*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.**

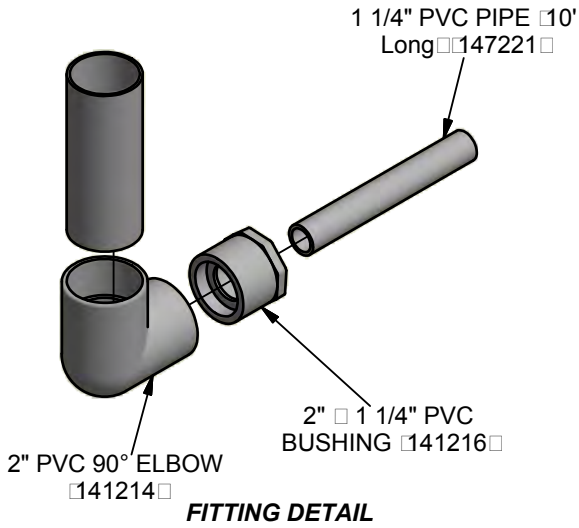
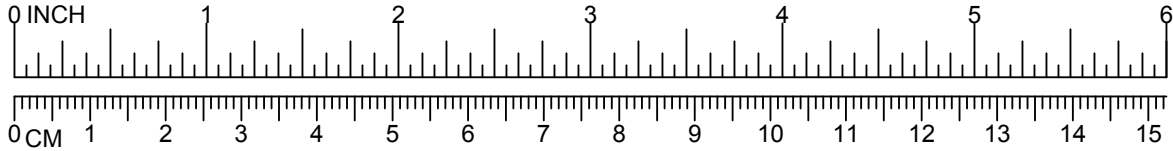
DETAILS -for- 90174 & 90114

IMPORTANT

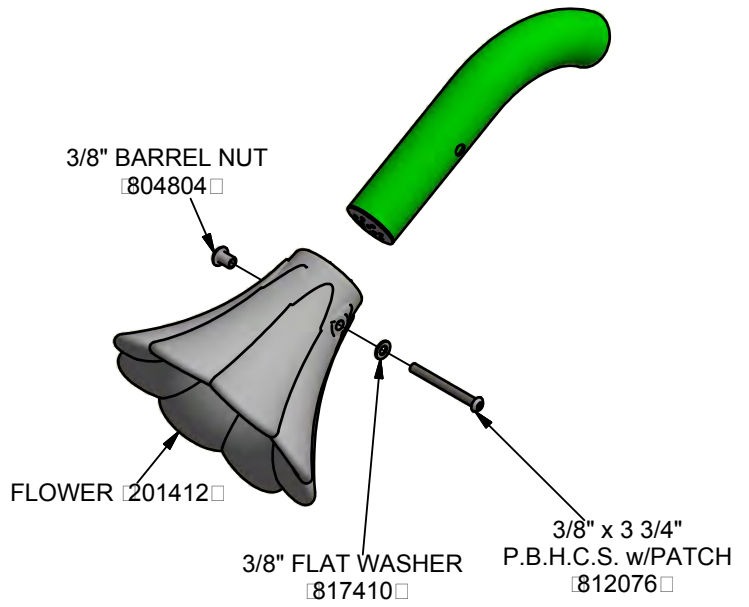
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

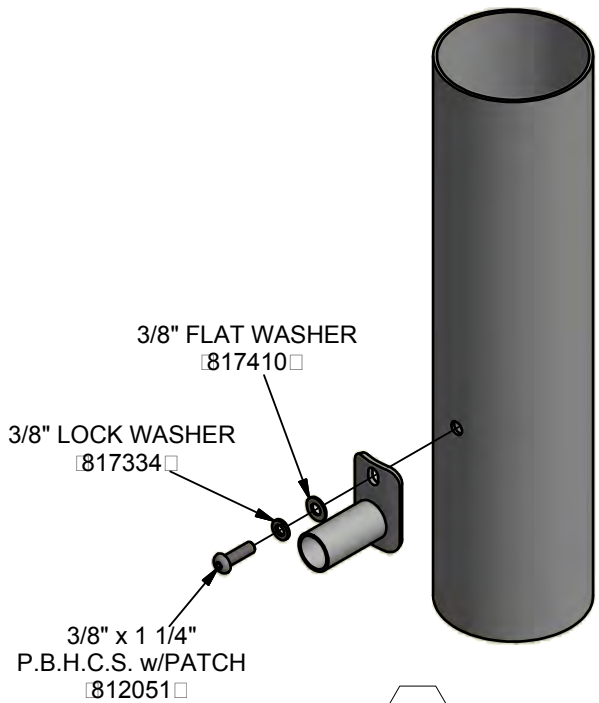
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



033



034



430

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GANZA

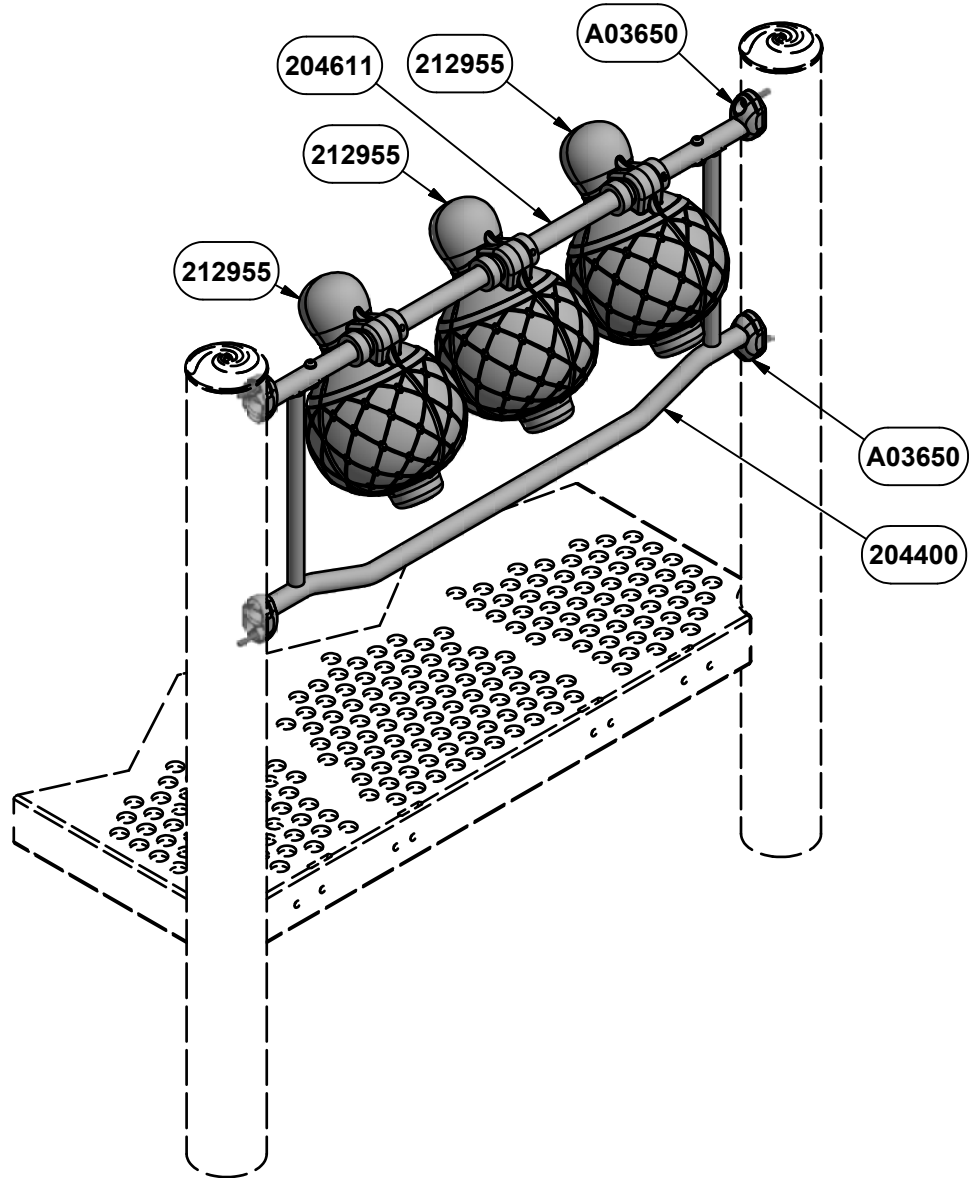
ISSUED/REVISED: 7/21/2021



UP TO 2'-6"
DECK HEIGHTS

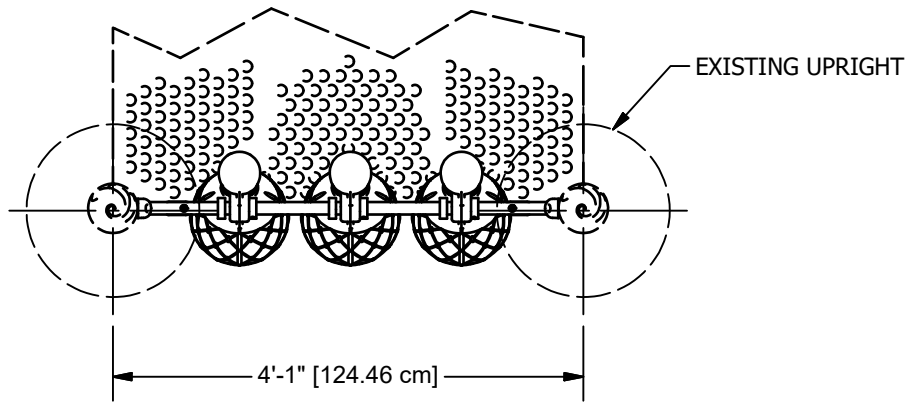


UP TO 4'-0"
DECK HEIGHTS

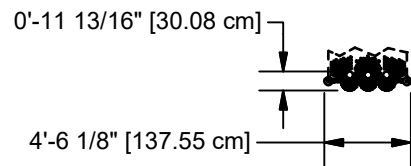


INSTALLATION INSTRUCTIONS

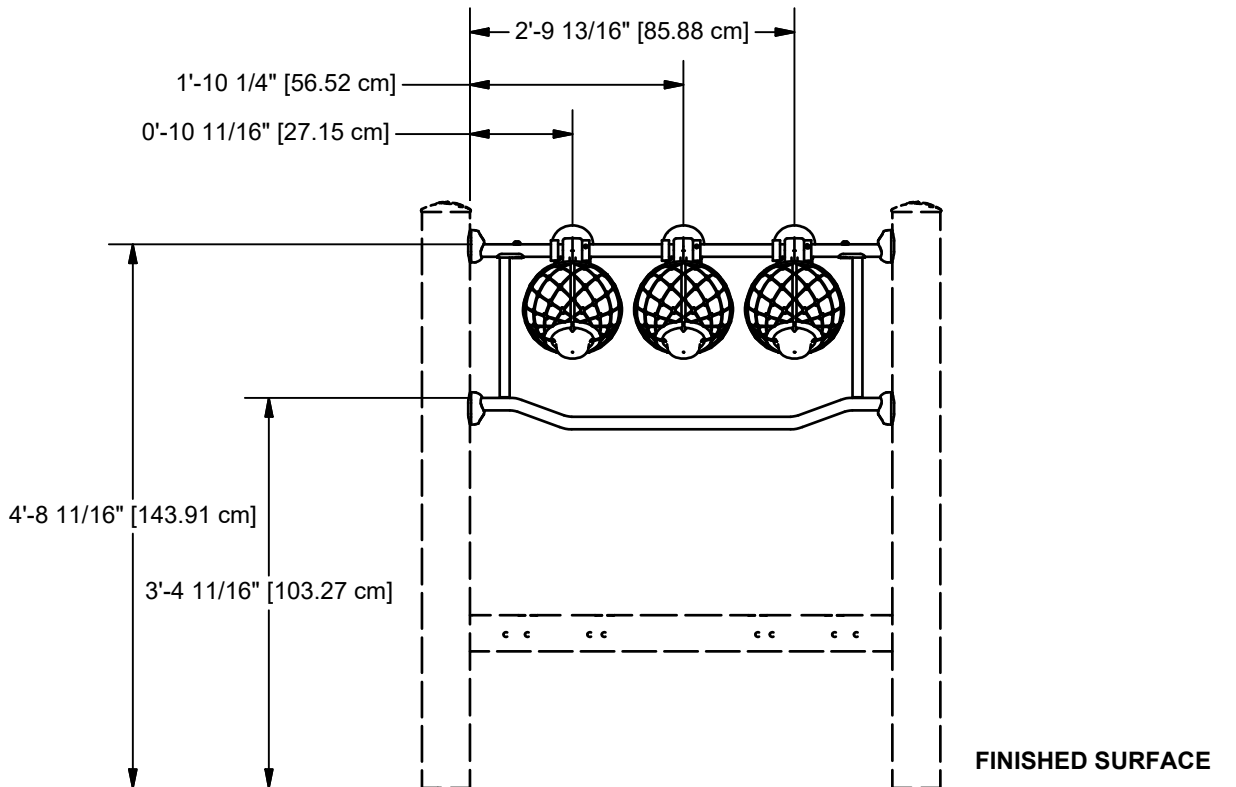
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



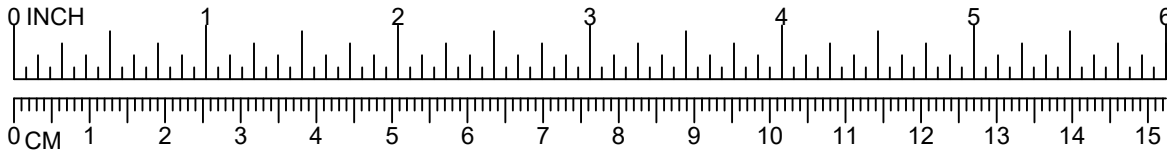
PLAN VIEW



TOP VIEW



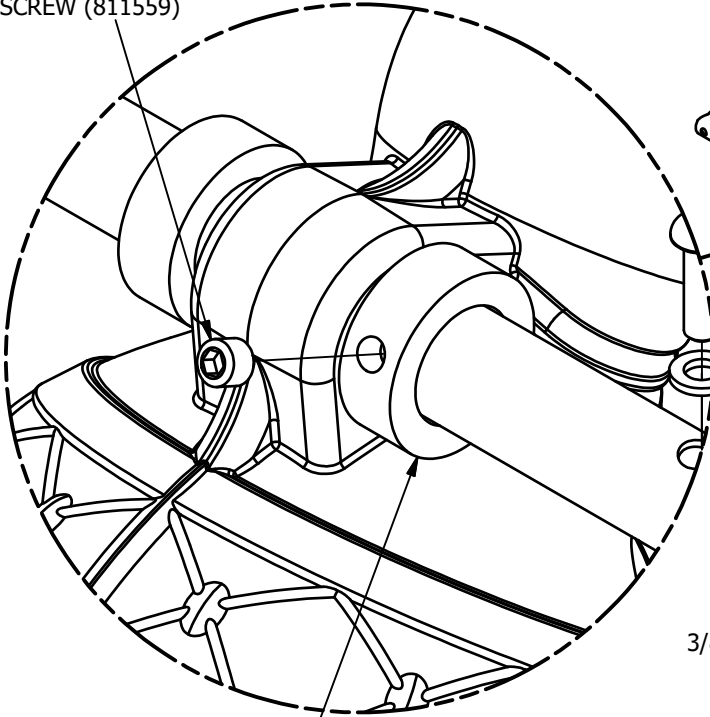
ELEVATION VIEW
GANZA PLACEMENT



STEP 1: INSERT BB'S BEFORE INSTALLATION

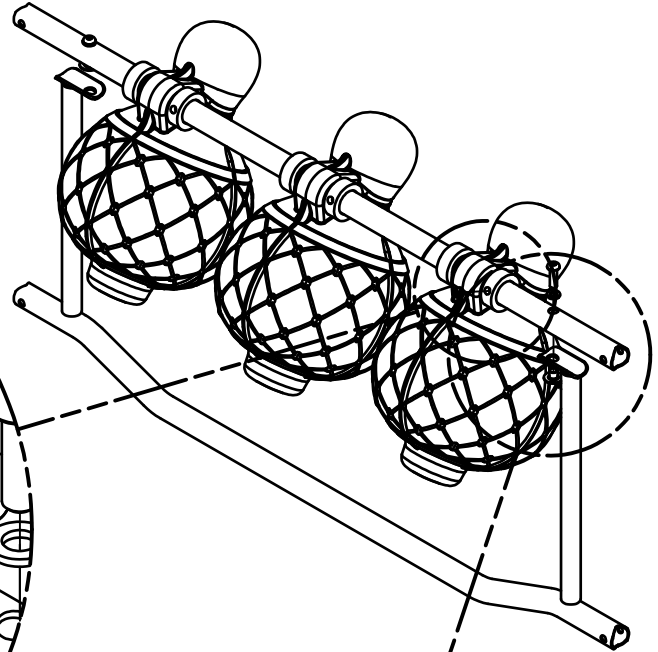
NOTE: SET SCREW INCLUDED WITH COLLAR (302181)

1/2" x 1/2" SET SCREW (811559)



WHEN COLLAR IS INSTALLED THERE SHOULD BE NO GAP BETWEEN THE COLLAR AND THE GANZA (BOTH SIDES)

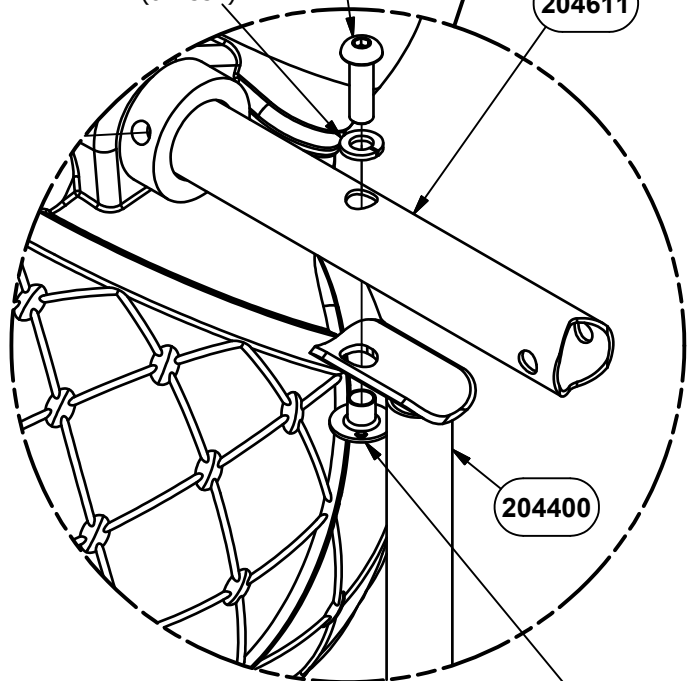
**STEP 2
6 PLACES**



3/8" x 1 1/4" P.B.H.C.S. w/PATCH (812051)

3/8" LOCK WASHER (817334)

204611



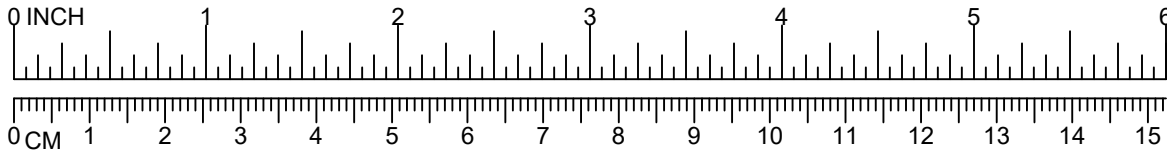
204400

3/8" T-NUT (804556)

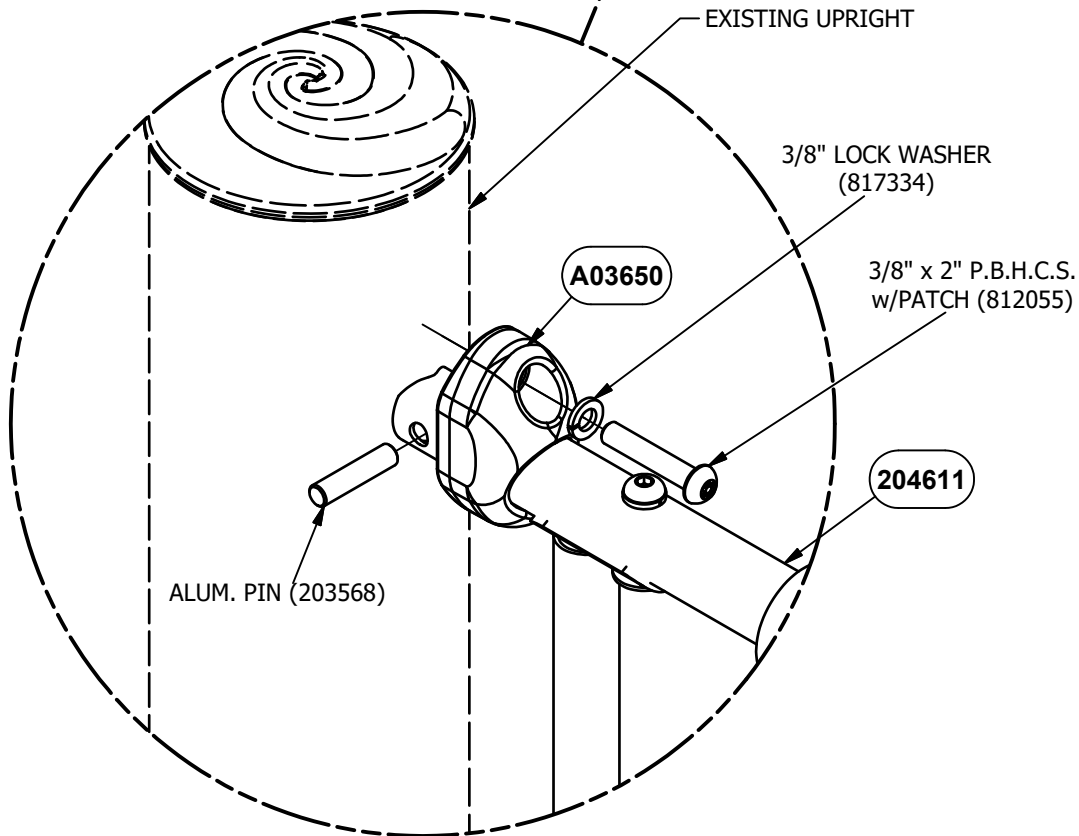
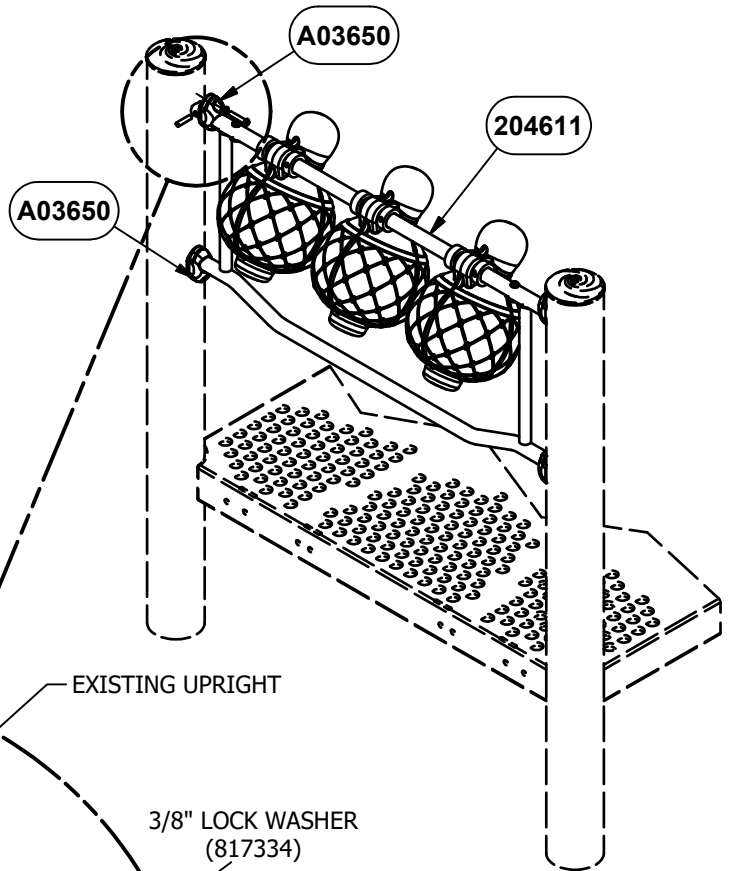
**STEP 3
2 PLACES**

DETAIL VIEW

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



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



STEP 4
4 PLACES

DETAIL VIEW

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
GANZA	3	212955
ENCLOSURE BOTTOM WELD ASS'Y	1	204400
TOP PIPE	1	204611
TRU-LOC	4	A03650
HARDWARE COMPLETE	1	203879
ALUM. PIN	4	203568*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
3/8" x 2" P.B.H.C.S. w/PATCH	4	812055*
3/8" LOCK WASHER	6	817334*
3/8" T-NUT	2	804556*
COLLAR	6	302181*
PACKAGE OF BB'S	1	818326*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

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ISSUED/REVISED: 5/25/21

90193 CURVED ZIP SLIDE

2'-6" / 3'-0" 90193

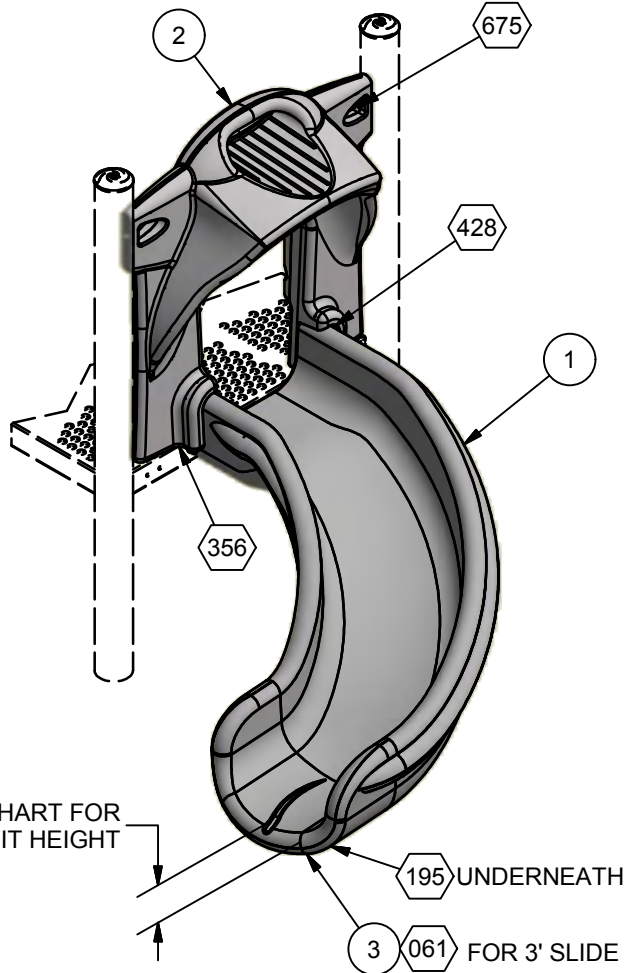
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



INSTALLATION INSTRUCTIONS

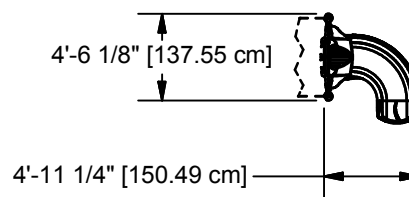
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet. Follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



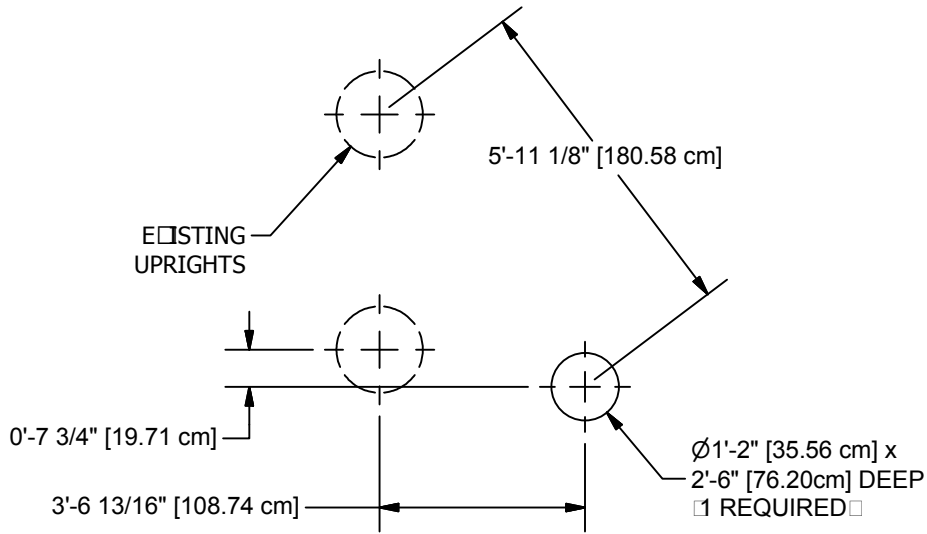
ASSEMBLY DRAWING

EXIT HEIGHT CHART	
DECK HEIGHT	SLIDE EXIT HEIGHT
200	117 1/2 [29.69 cm]
220	119 1/2 [30.31 cm]

EXIT HEIGHT CHART for 200 220	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	293mm OR LESS
EN	290mm OR LESS



TOP VIEW



GROUND PLAN

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

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	3' CURVED IP SLIDE	1	176400
2	SINGLE IP SLIDE HOOD	1	203858
3	FOOTBUCK	1	176385
	HARDWARE COMPLETE	1	204516
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	812058*
	3/8" LOCK WASHER	11	817334*
	3/8" FLAT WASHER	4	817410*
	3/8" FLAT WASHER 1" O.D.	2	817401*
	3/8" FLAT WASHER 1 1/4" O.D.	4	817424*
	6" EXTENSION	1	151080*
	3/8" x 3 1/2" HEX HEAD BOLT	1	801013*
	3/8" HEX NUT	1	804053*

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

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

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

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

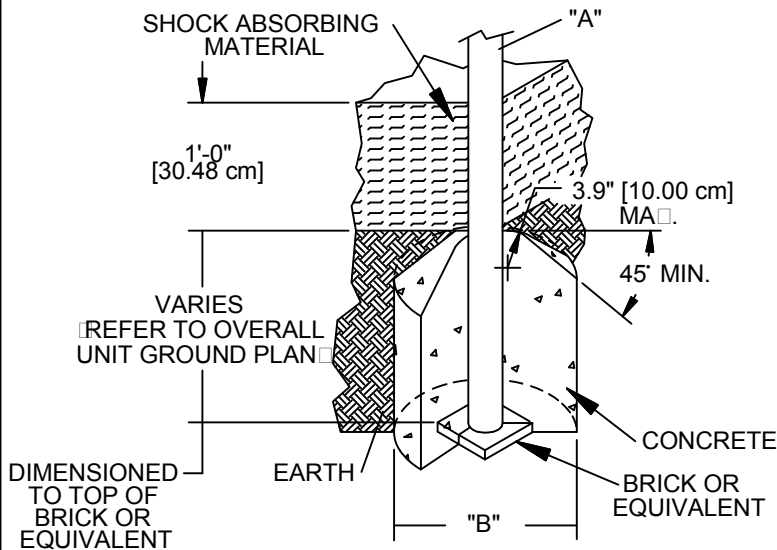
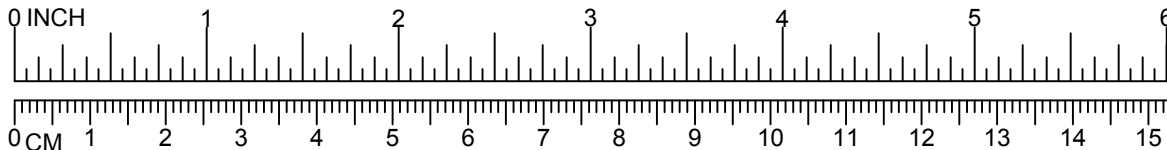
DETAILS -for- 90193

IMPORTANT

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

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

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



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

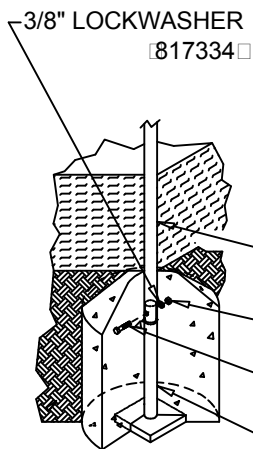
NOTES:

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

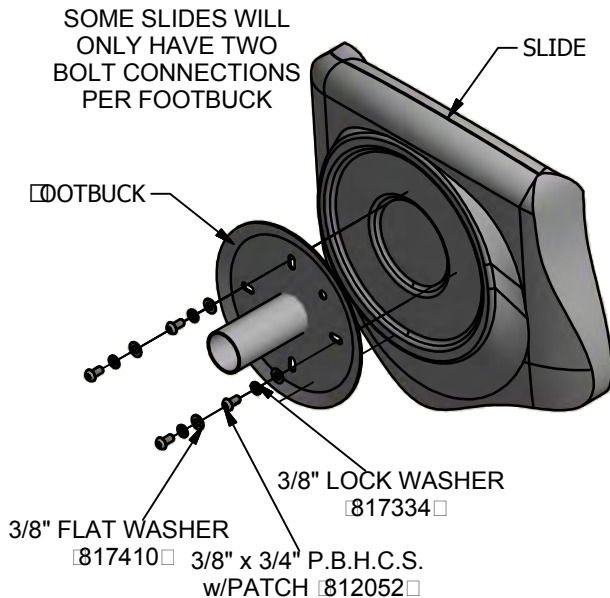


SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

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



- LEG, SEE CHART FOR SIZE
- 3/8" HE NUT
804053
- SEE CHART FOR SIZE
- EXTENSION



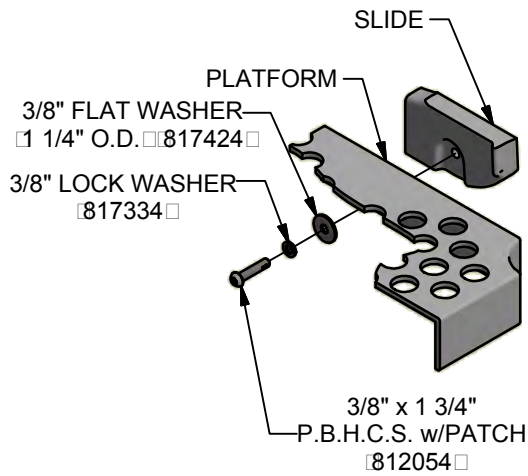
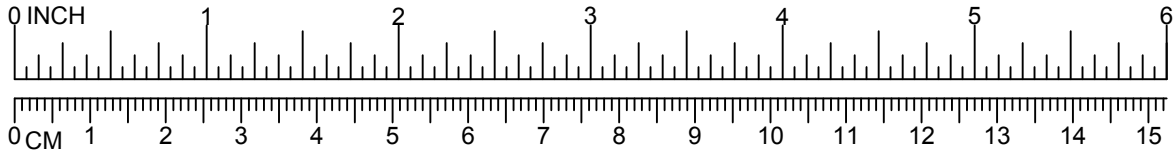
DETAILS -for- 90193

IMPORTANT

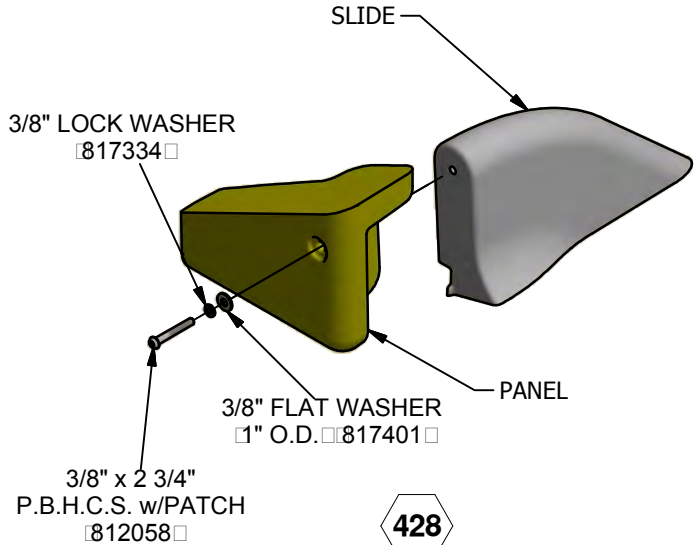
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

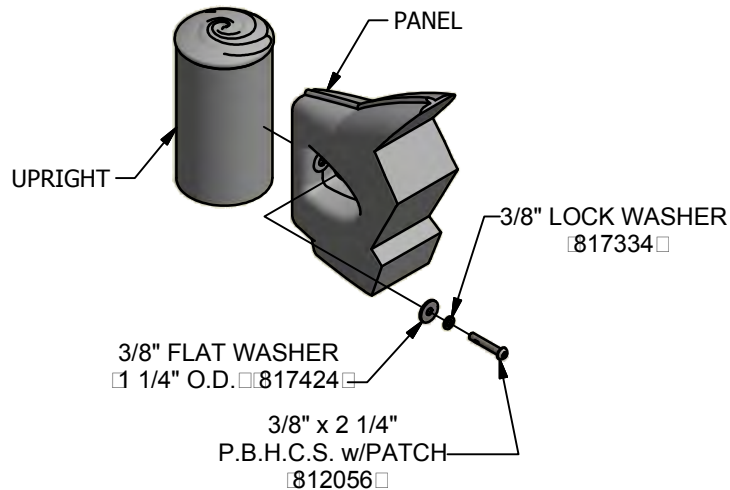
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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ISSUED/REVISED: 3/10/2021

RUNG LADDERS



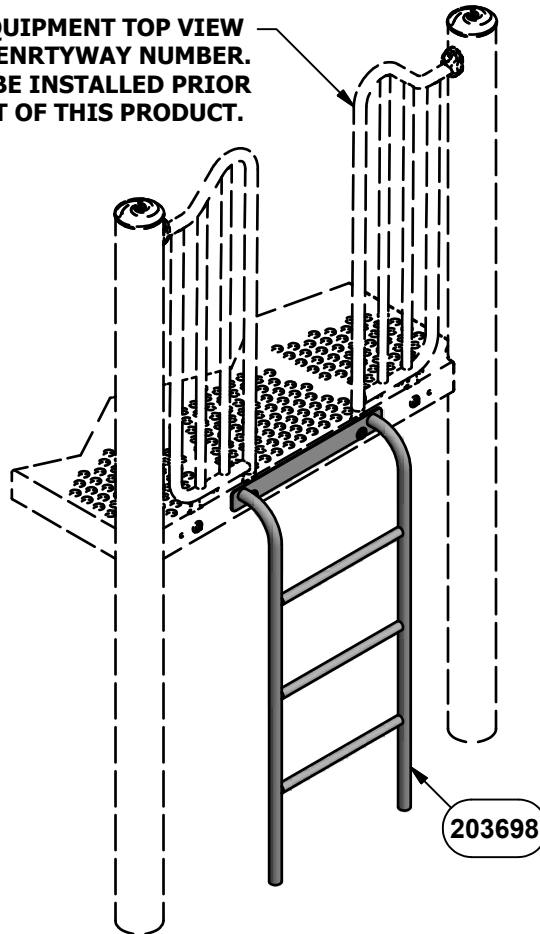
90322
90323
90324
90325

1'-6" & 2'-0"	90322
2'-6" & 3'-0"	90323
3'-6" & 4'-0"	90324
4'-6" & 5'-0"	90325
5'-6" & 6'-0"	90326
6'-6" & 7'-0"	90327
7'-6" & 8'-0"	90328



90326
90327
90328

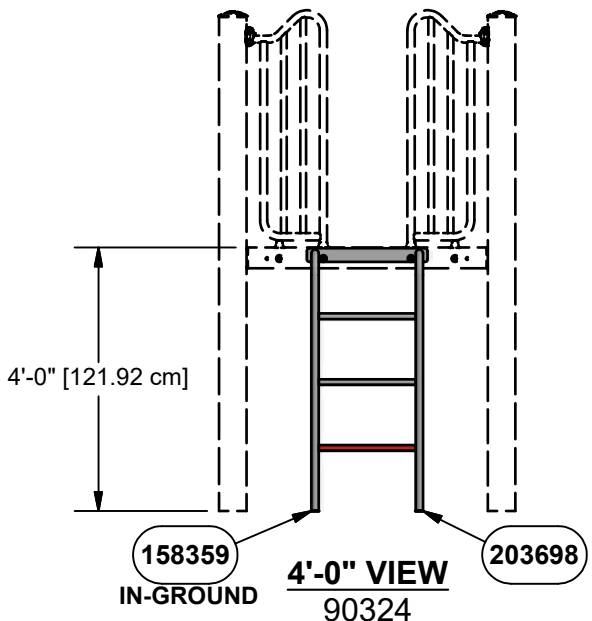
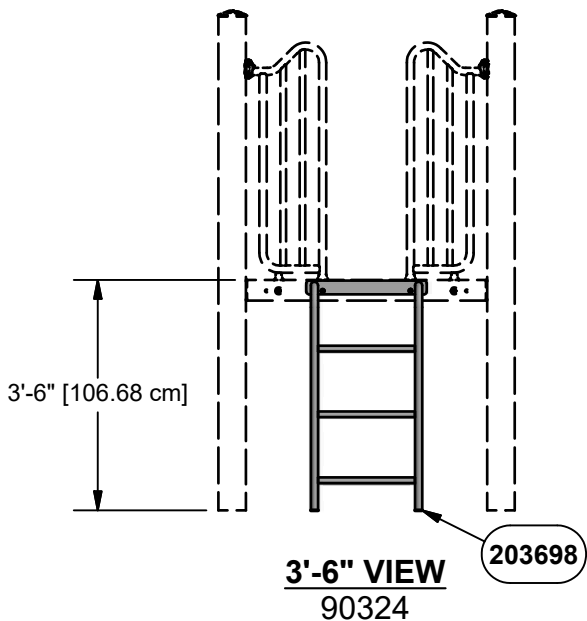
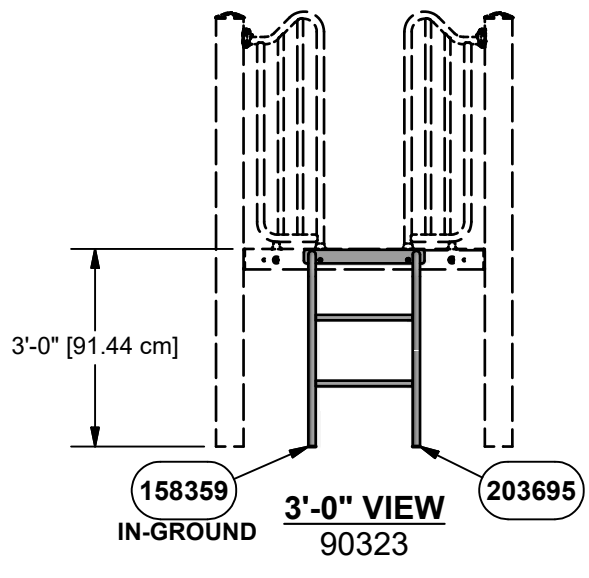
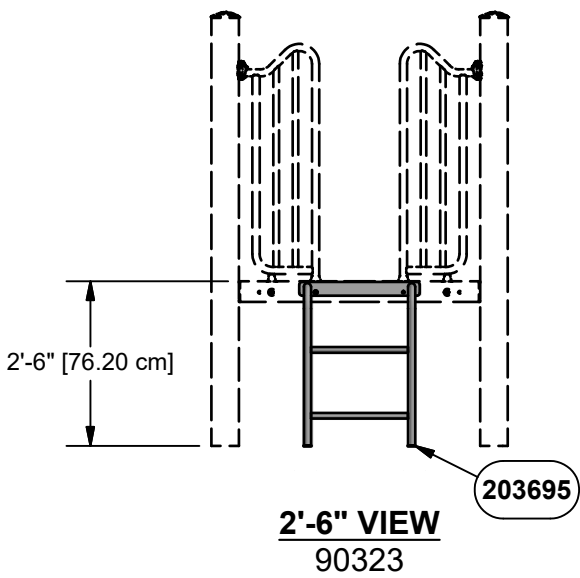
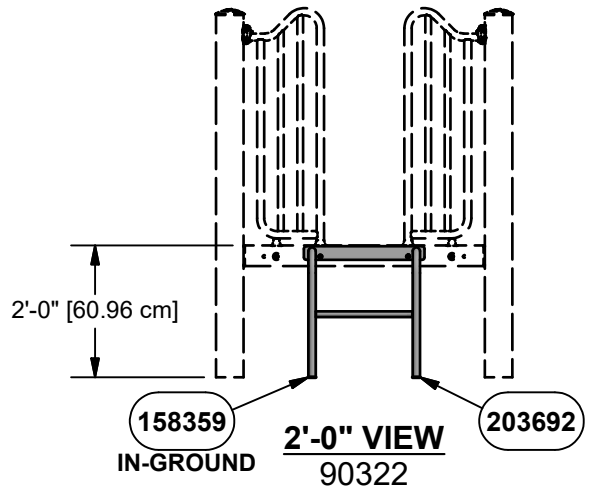
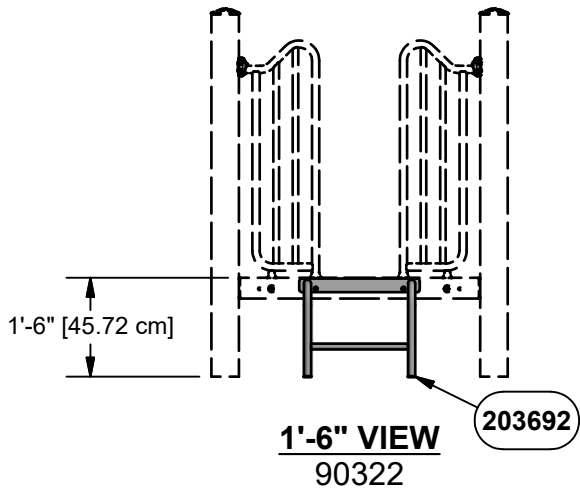
REFER TO MODULAR EQUIPMENT TOP VIEW
FOR CORRECT ENTRYWAY NUMBER.
ENTRYWAY MUST BE INSTALLED PRIOR
TO ATTACHMENT OF THIS PRODUCT.



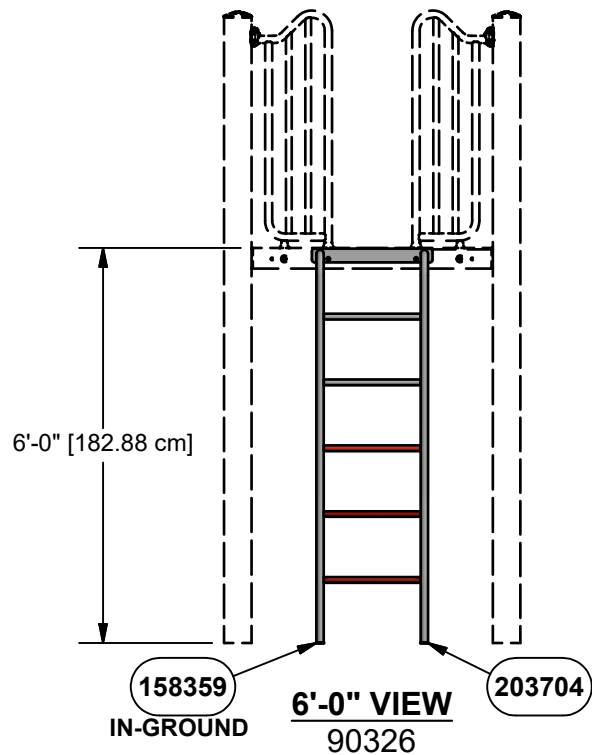
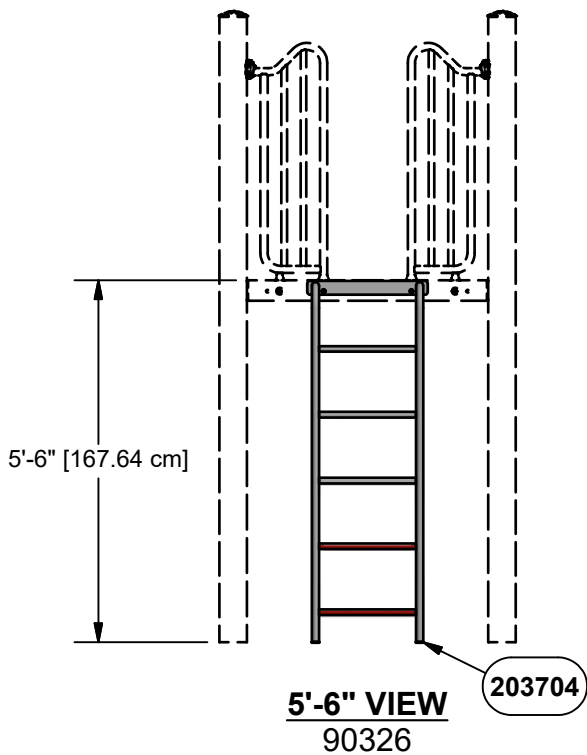
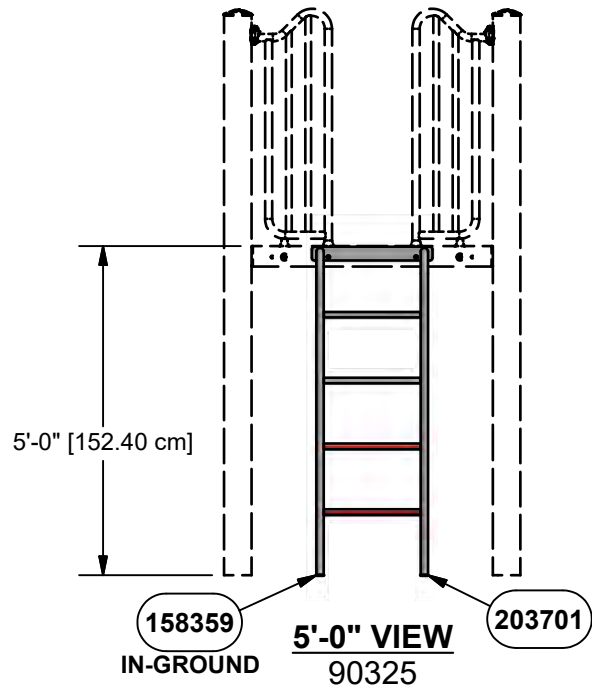
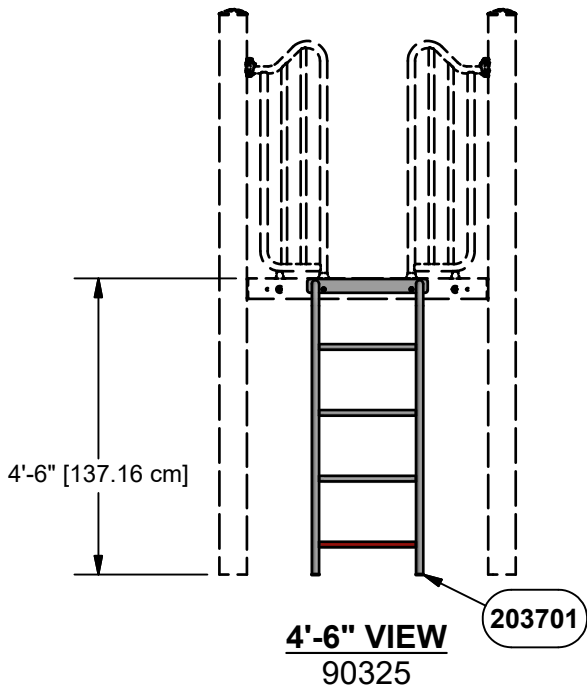
ASSEMBLY VIEW
90324 4'-0" SHOWN

INSTALLATION INSTRUCTIONS

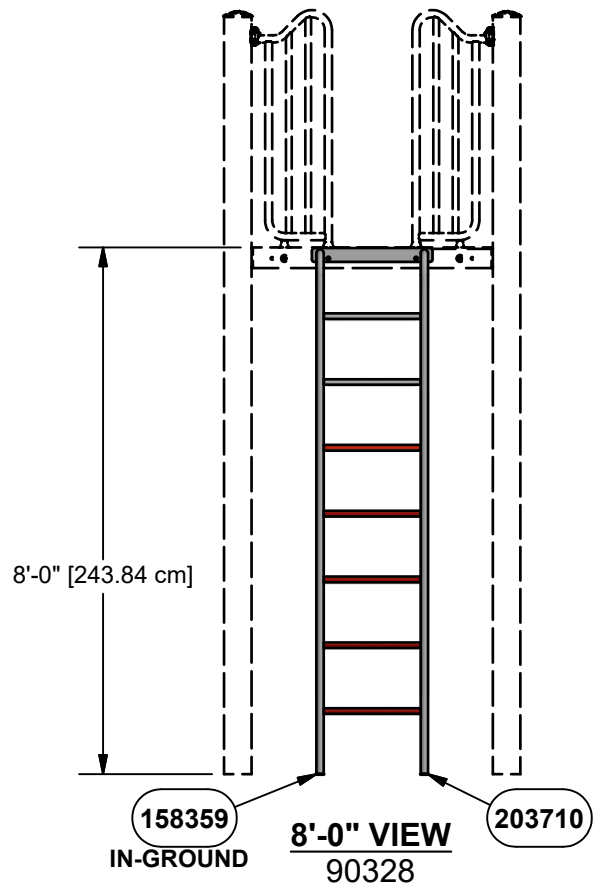
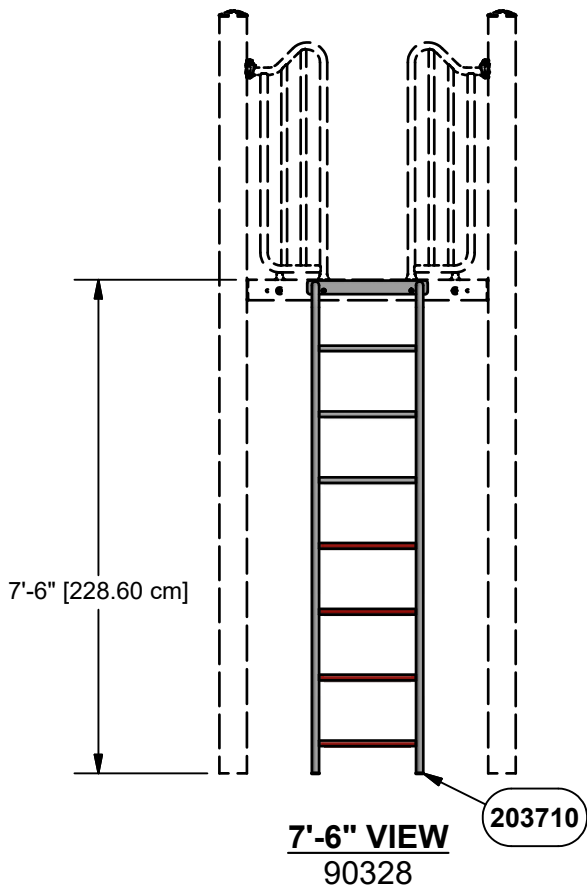
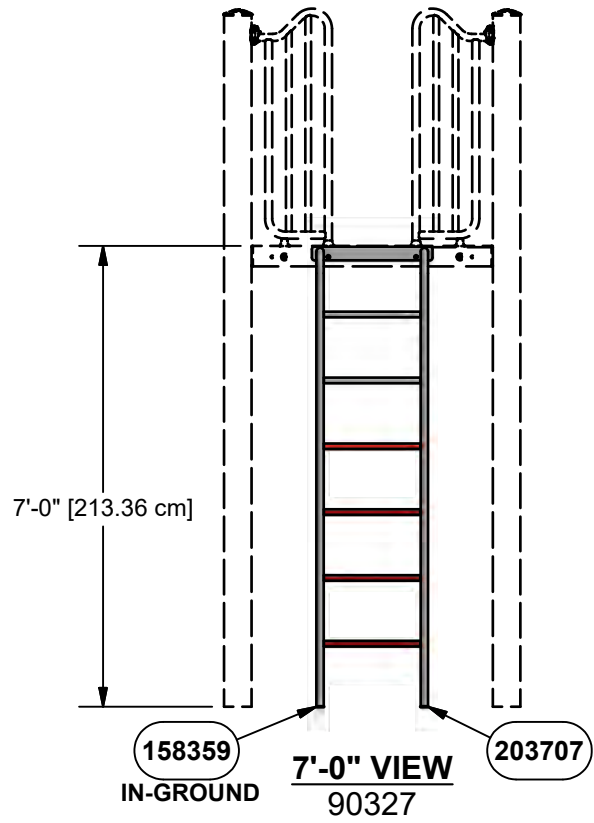
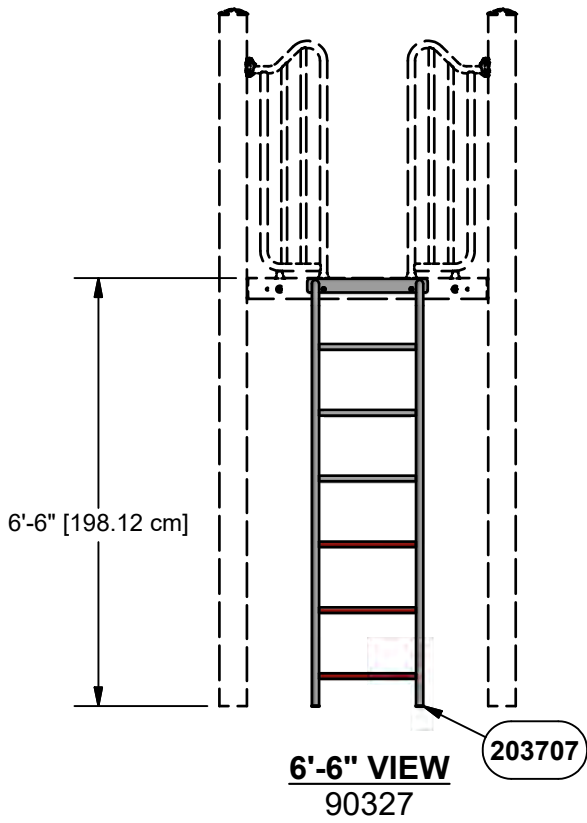
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



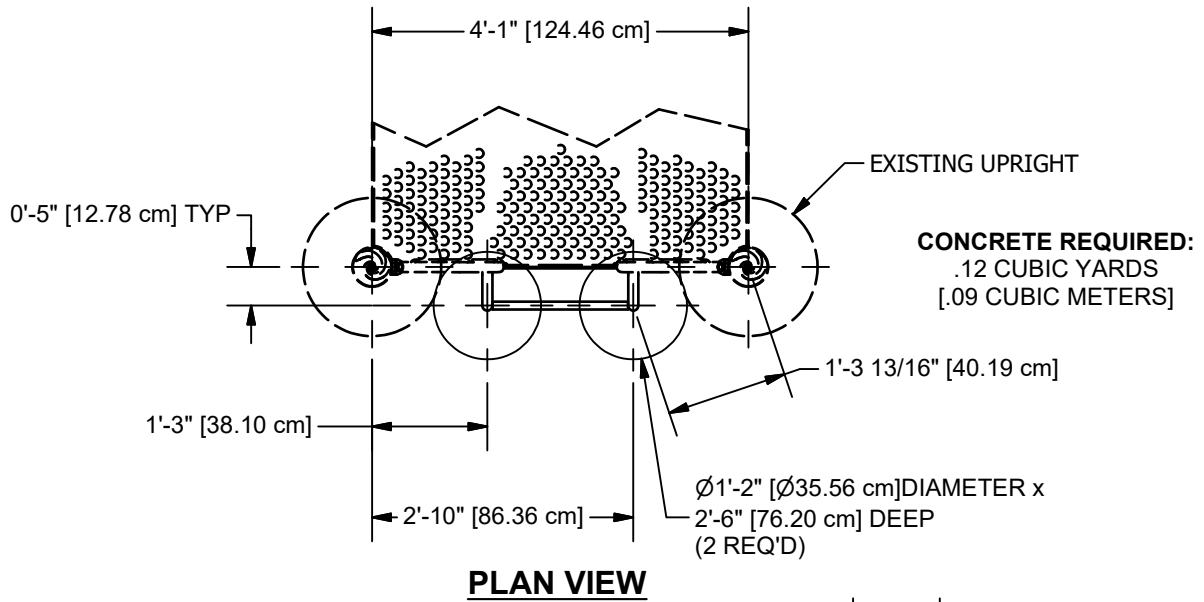
**DECK HEIGHT
ELEVATIONS**



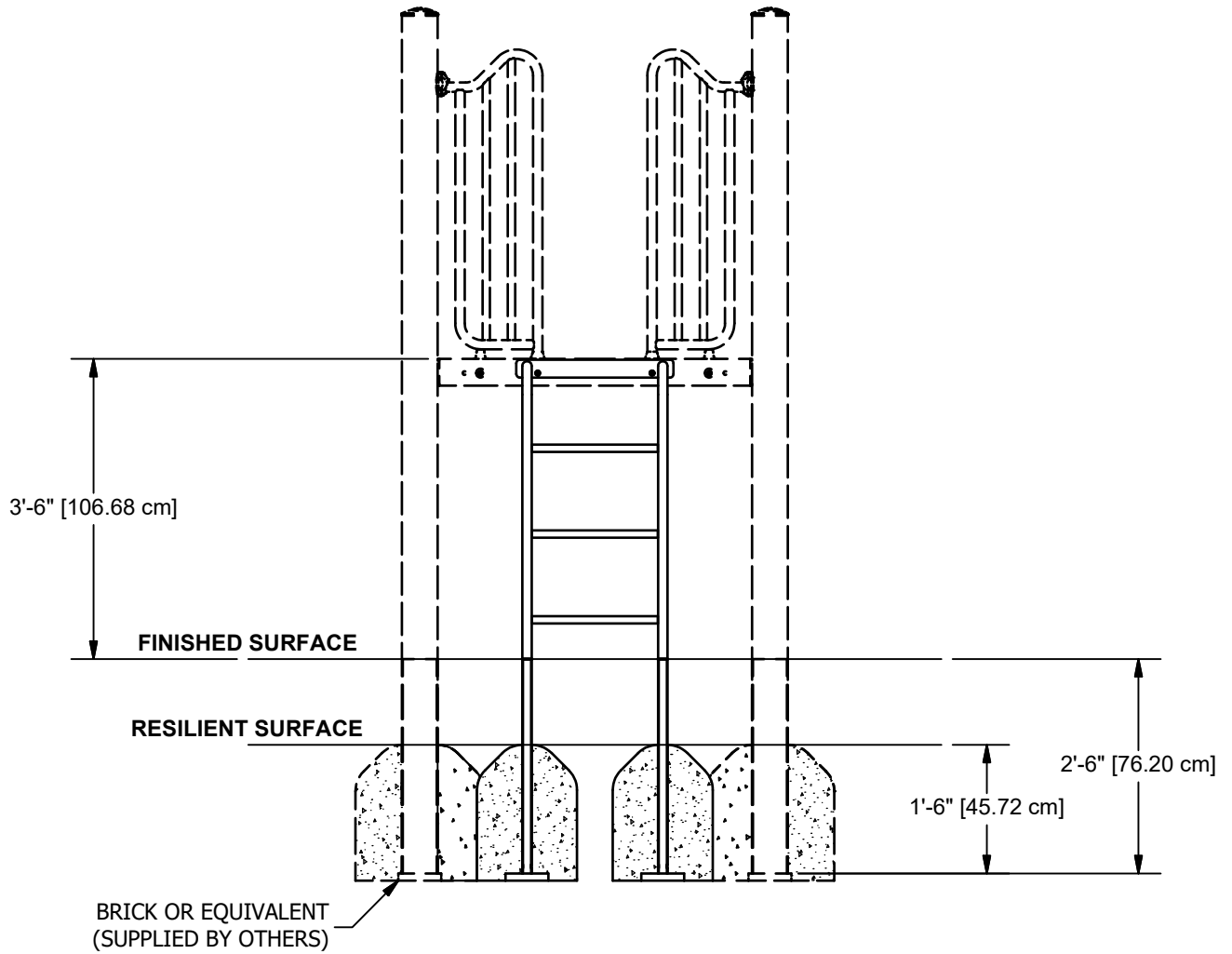
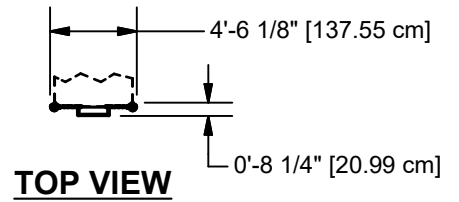
**DECK HEIGHT
ELEVATIONS**



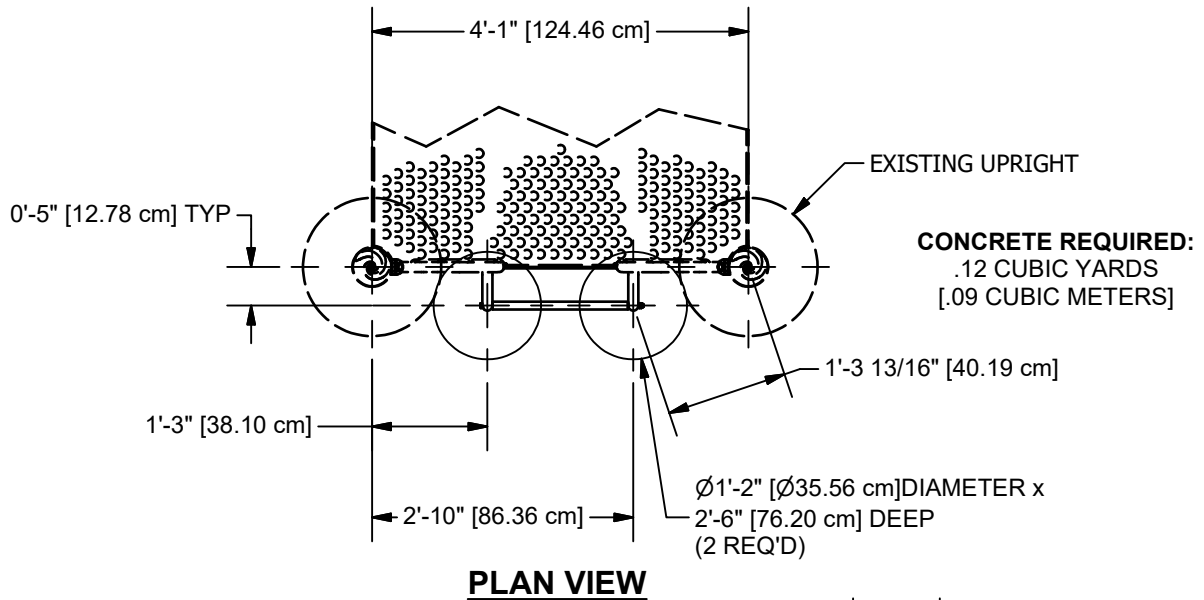
**DECK HEIGHT
ELEVATIONS**



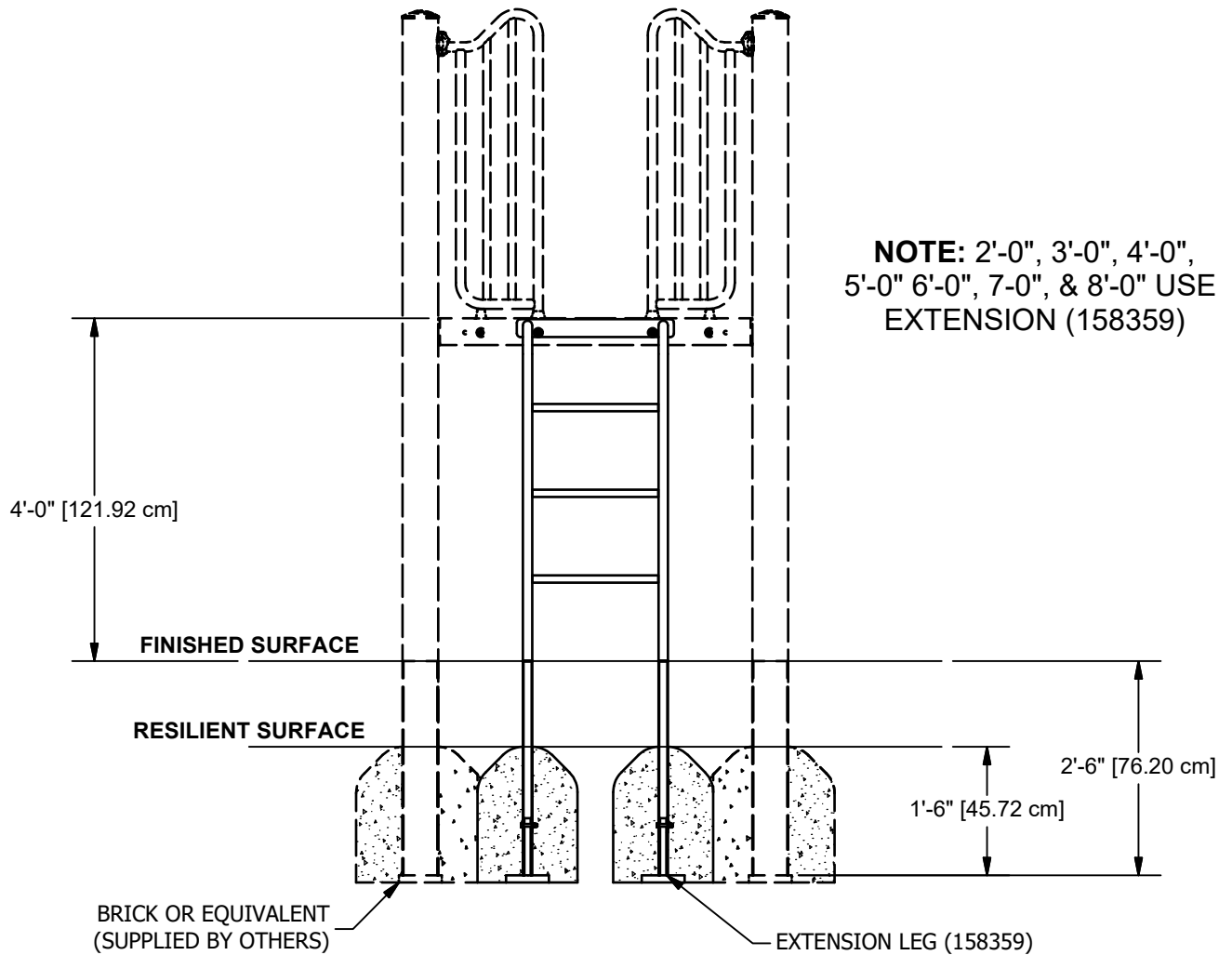
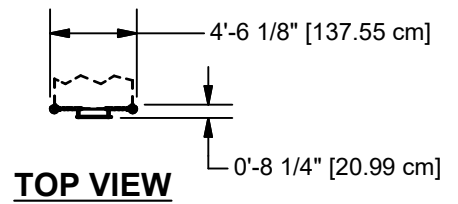
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



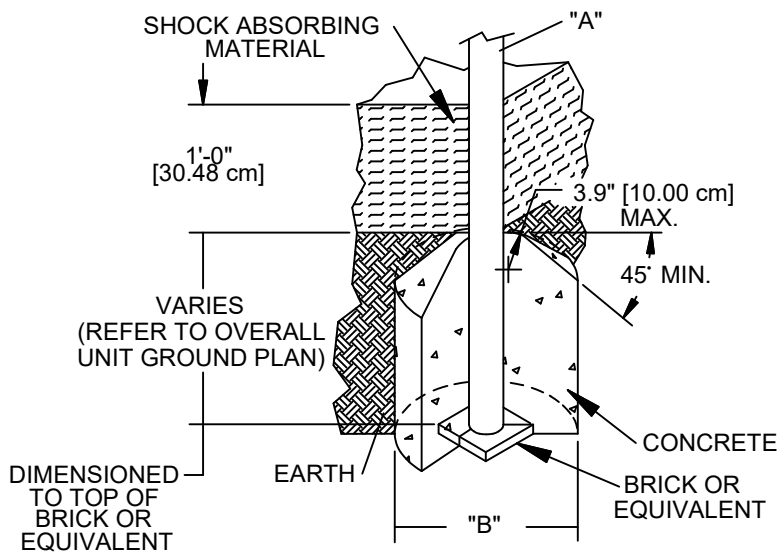
ELEVATION VIEW
 3'-6" SHOWN
 OTHERS SIMILAR



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



ELEVATION VIEW
 4'-0" SHOWN
 OTHERS SIMILAR



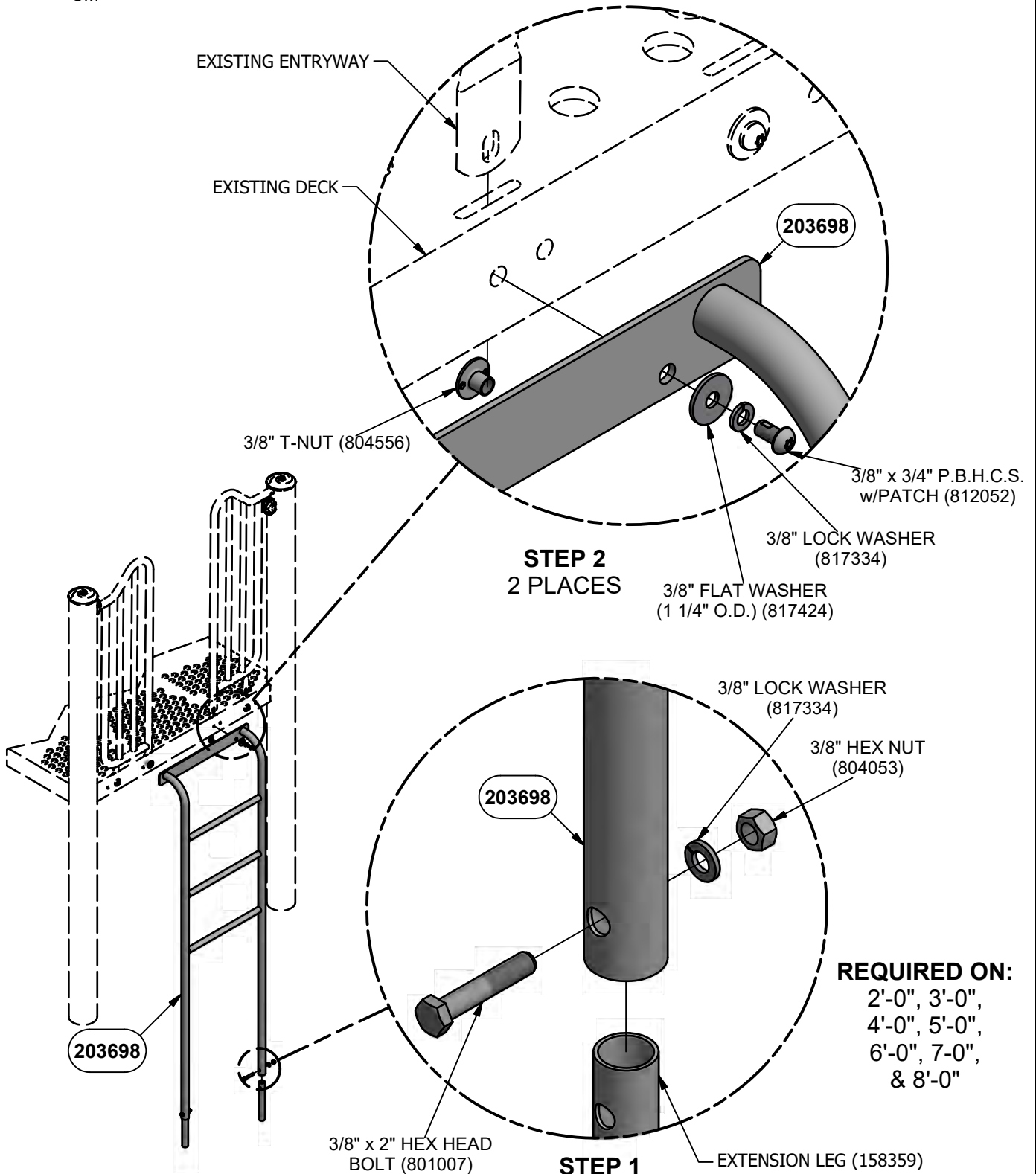
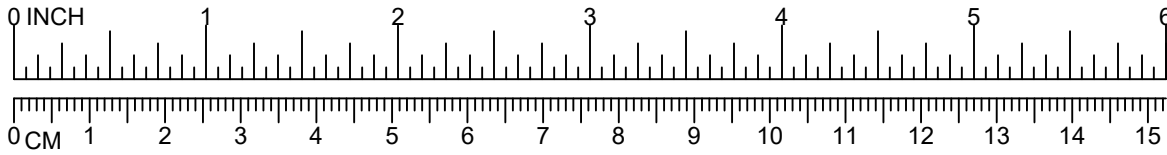
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

NOTES:

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- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL



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

DETAIL VIEW
 90324 SHOWN
 OTHERS SIMILAR

REQUIRED ON:
 2'-0", 3'-0",
 4'-0", 5'-0",
 6'-0", 7'-0",
 & 8'-0"

Parts List								
DESCRIPTION	90322	90323	90324	90325	90326	90327	90328	PART NUMBER
ACCESS LADDER ASSEMBLY	1	0	0	0	0	0	0	203692
ACCESS LADDER ASSEMBLY	0	1	0	0	0	0	0	203695
ACCESS LADDER ASSEMBLY	0	0	1	0	0	0	0	203698
ACCESS LADDER ASSEMBLY	0	0	0	1	0	0	0	203701
ACCESS LADDER ASSEMBLY	0	0	0	0	1	0	0	203704
ACCESS LADDER ASSEMBLY	0	0	0	0	0	1	0	203707
ACCESS LADDER ASSEMBLY	0	0	0	0	0	0	1	203710
HARDWARE COMPLETE	1	1	1	1	1	1	1	203751
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812052*
3/8" x 2" HEX HEAD BOLT	2	2	2	2	2	2	2	801007*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	2	817424*
3/8" LOCK WASHER	4	4	4	4	4	4	4	817334*
3/8" HEX NUT	2	2	2	2	2	2	2	804053*
3/8" T-NUT	2	2	2	2	2	2	2	804556*
1.029" O.D. EXTENSION	2	2	2	2	2	2	2	158359*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

90370

GameTime®

A PLAYCORE Company

1-800-235-2440

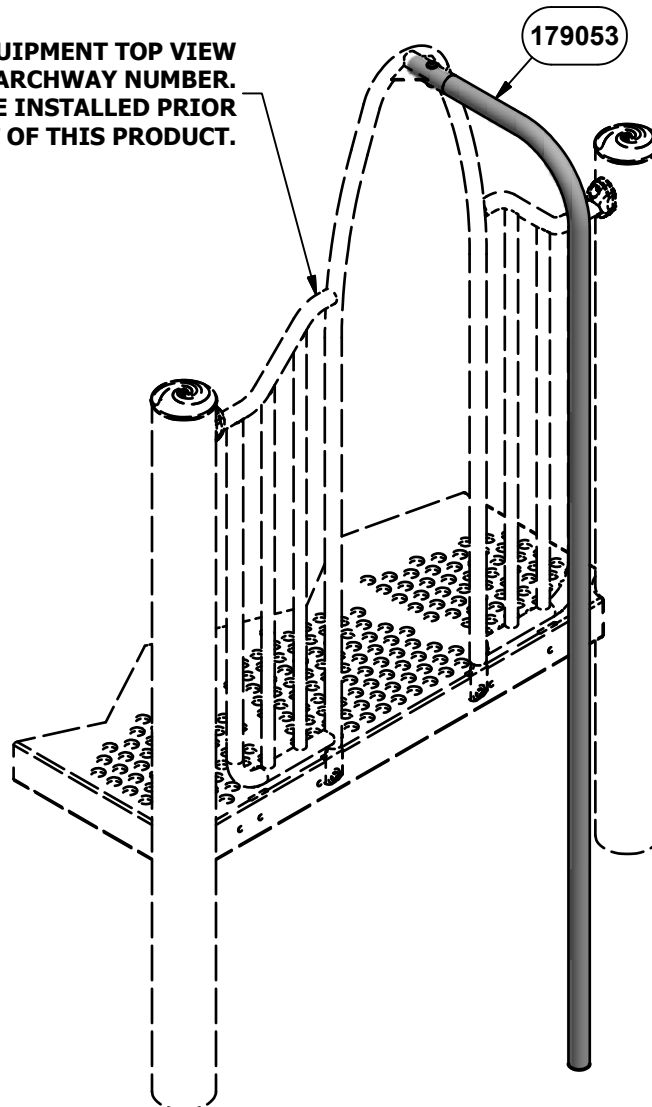
ISSUED/REVISED: 4/27/2021

CLIMBING POLE



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

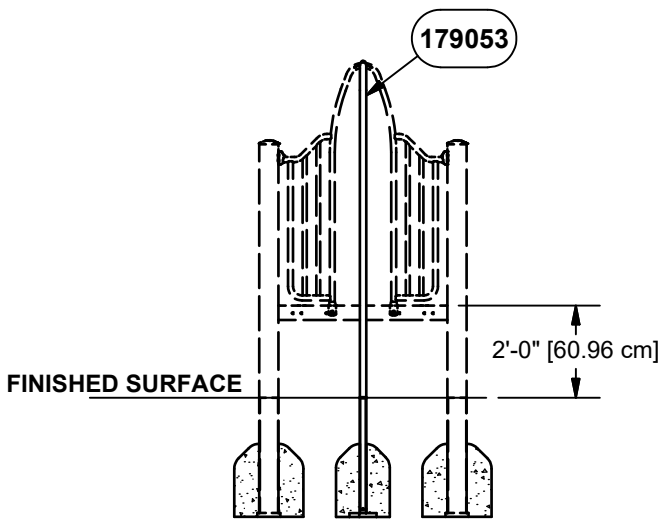
**REFER TO MODULAR EQUIPMENT TOP VIEW
FOR CORRECT ARCHWAY NUMBER.
ARCHWAY MUST BE INSTALLED PRIOR
TO ATTACHMENT OF THIS PRODUCT.**



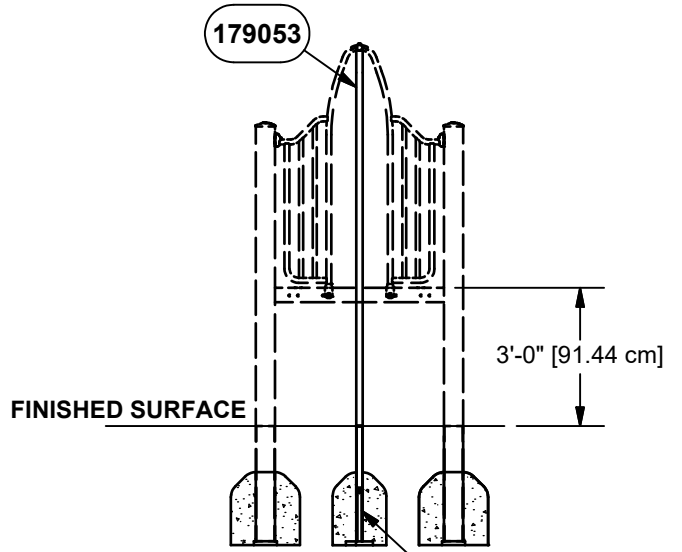
INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
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4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

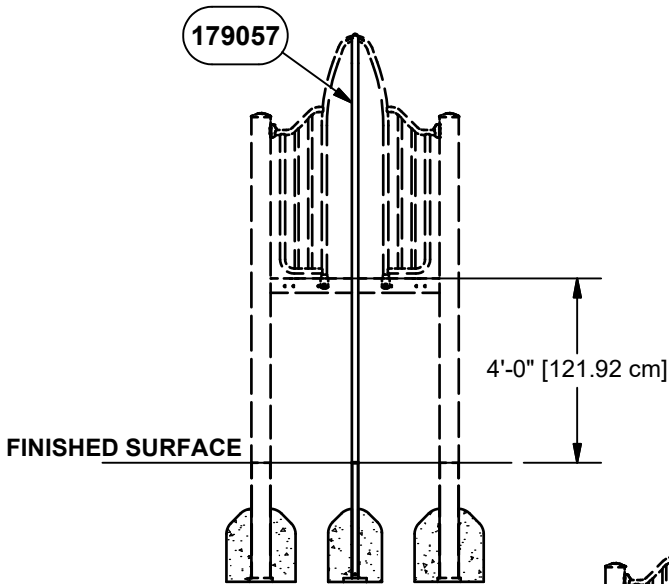
**ASSEMBLY VIEW
90370 SHOWN**



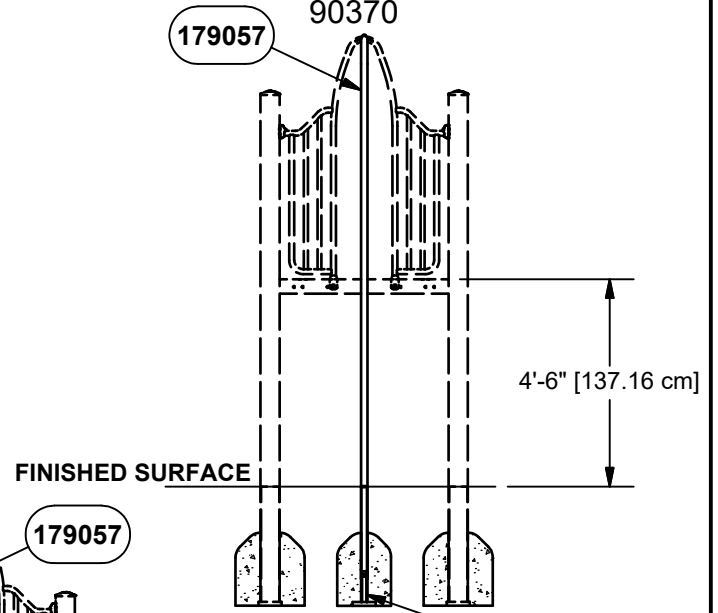
2'-0" VIEW
90370



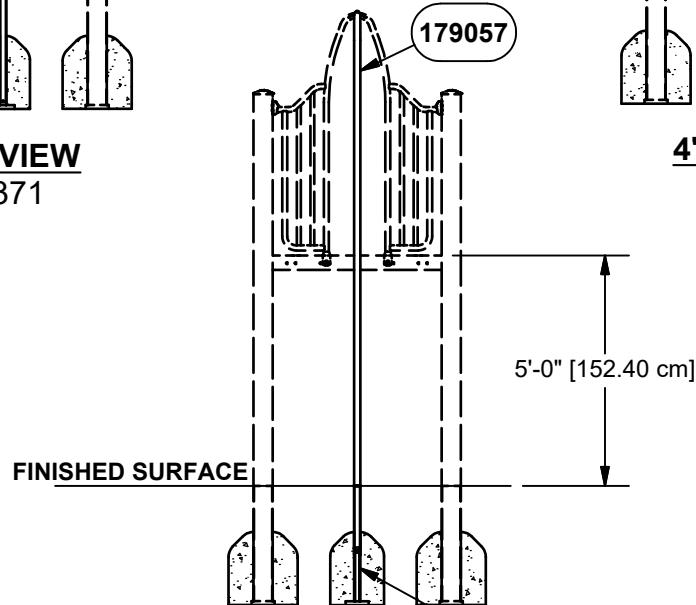
3'-0" VIEW
90370



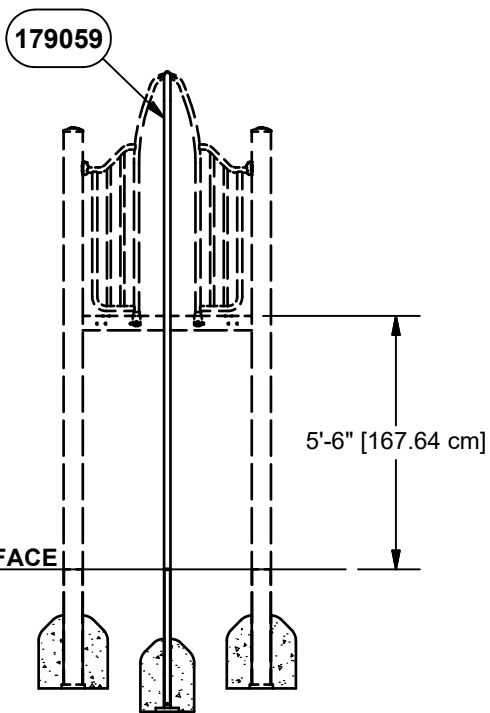
4'-0" VIEW
90371



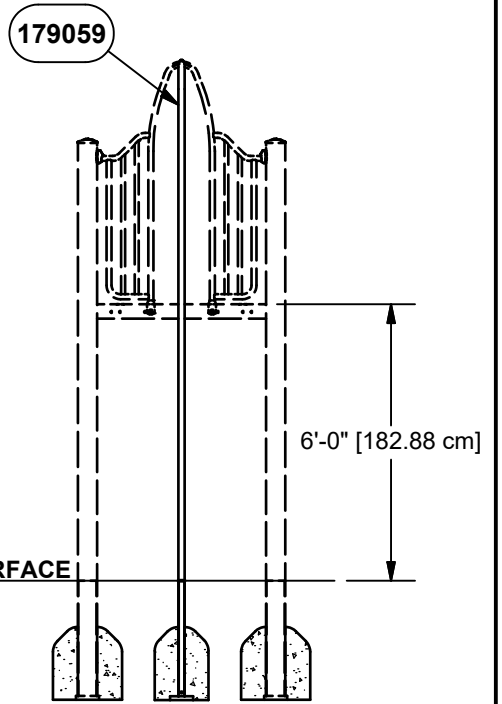
4'-6" VIEW
90371



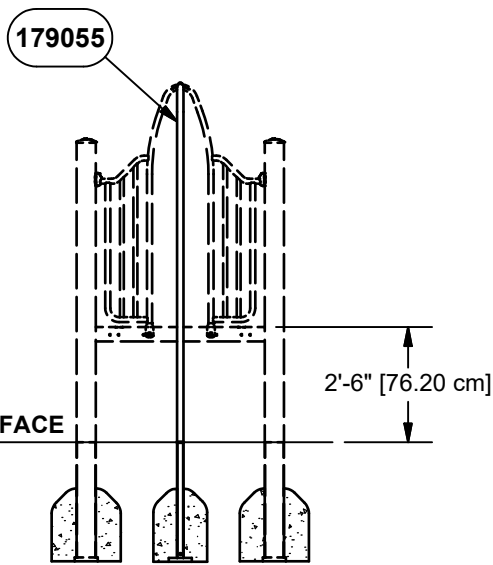
5'-0" VIEW
90371



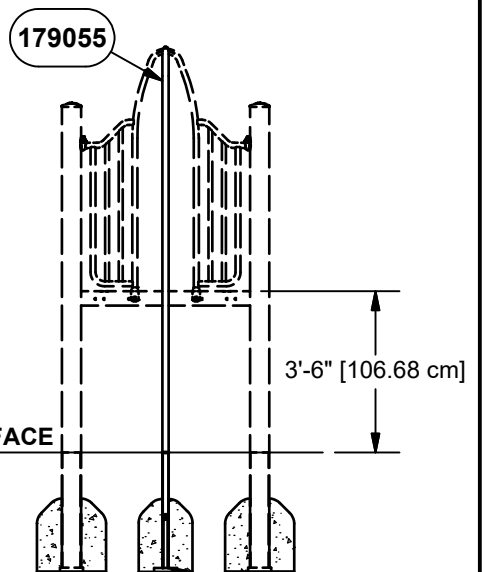
5'-6" VIEW
90372



6'-0" VIEW
90372

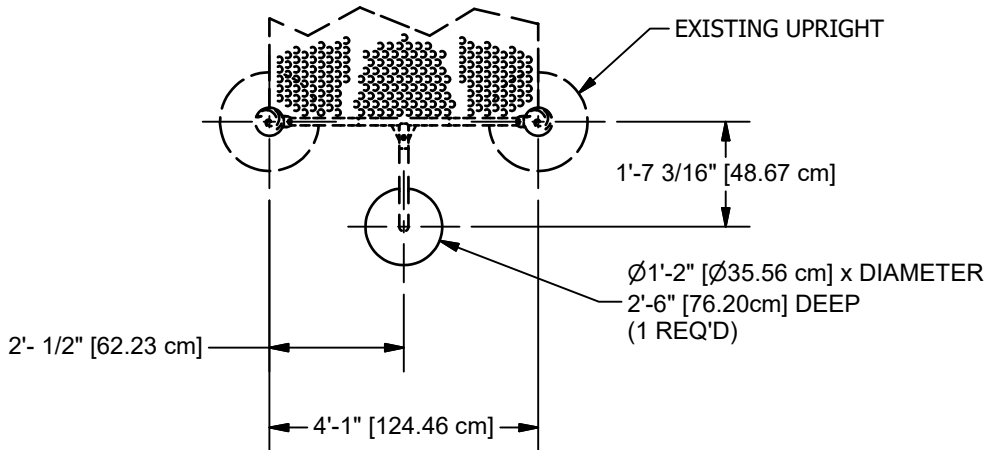


2'-6" VIEW
90373



3'-6" VIEW
90373

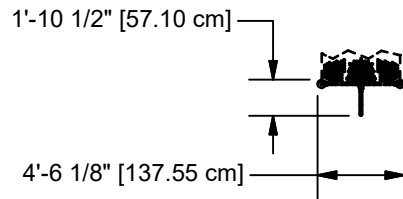
**DECK HEIGHT
ELEVATIONS**



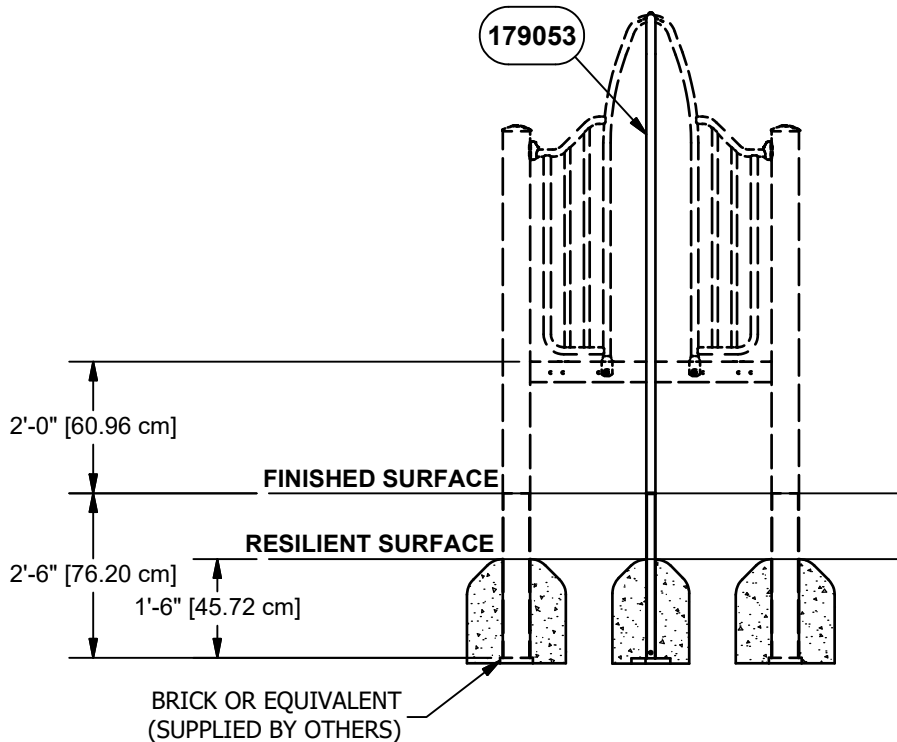
PLAN VIEW
2'-0" SHOWN
OTHERS SIMILAR

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

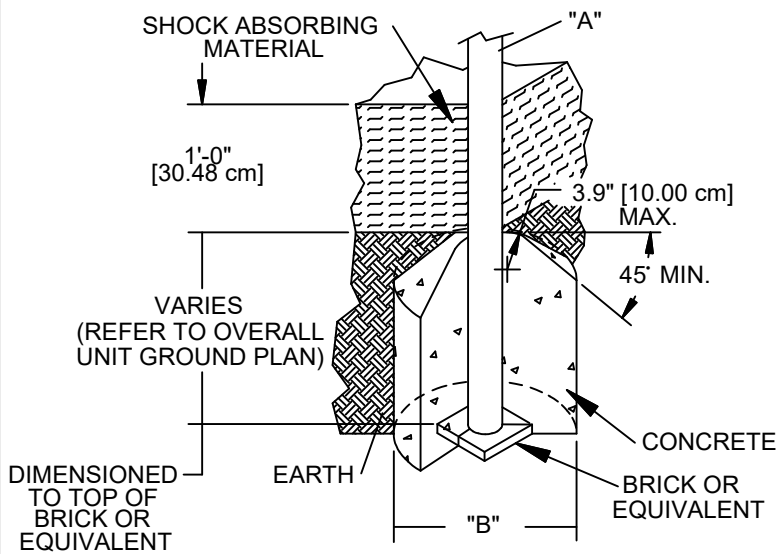
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
2'-0" SHOWN
OTHERS SIMILAR



ELEVATION VIEW
2'-0" SHOWN
OTHERS SIMILAR



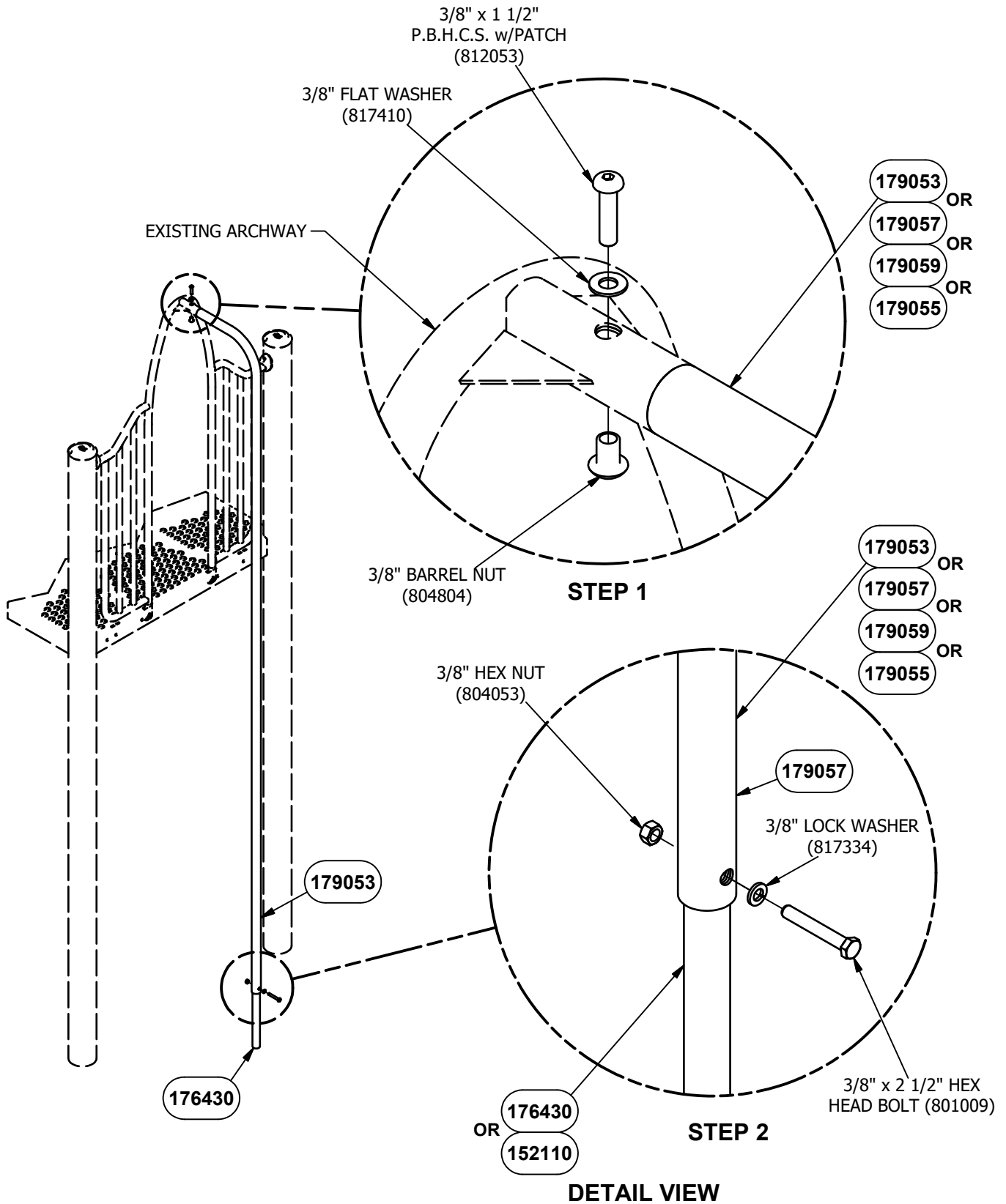
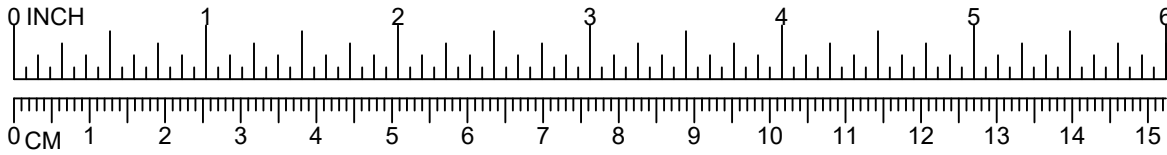
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
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2 3/8" [6.03 cm]	1'-2" [35.56 cm]
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FOOTING DETAIL



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

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

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* Included in Hardware*

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

Note: Loctite (supplied by others) should be used on any non-patch hardware. To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.

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PowerScape

90395

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/29/20

RUNG KICKPLATE



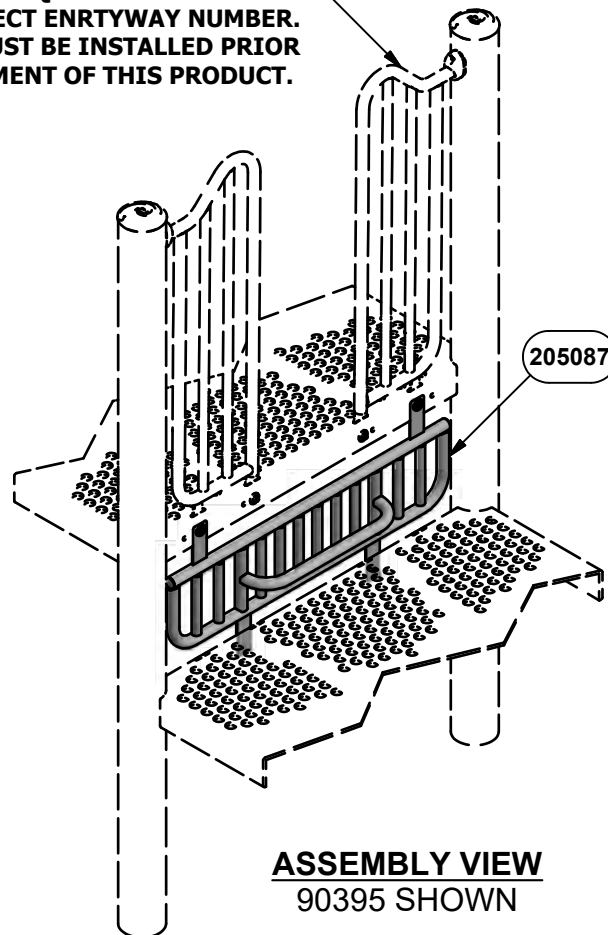
UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

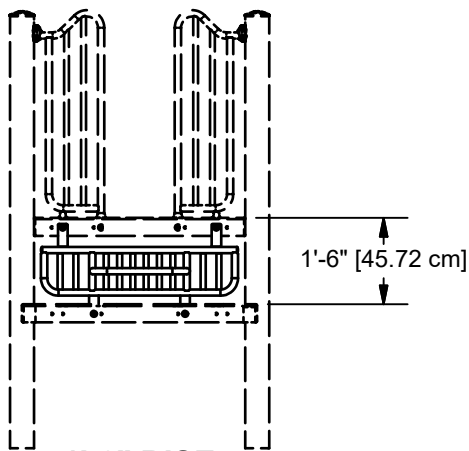
1'-6" RISE	90395
2'-0" RISE	90396
2'-6" RISE	90533
3'-0" RISE	90534
4'-0" RISE	91592
5'-0" RISE	91593

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

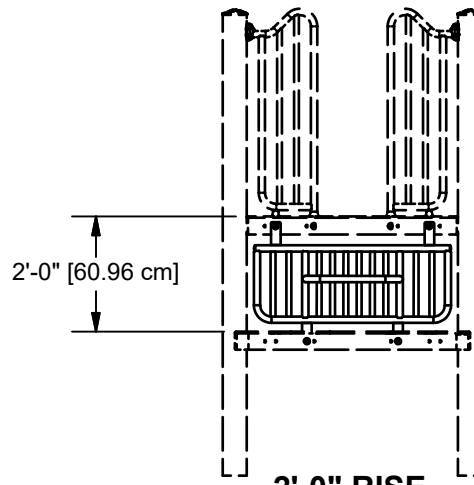


INSTALLATION INSTRUCTIONS

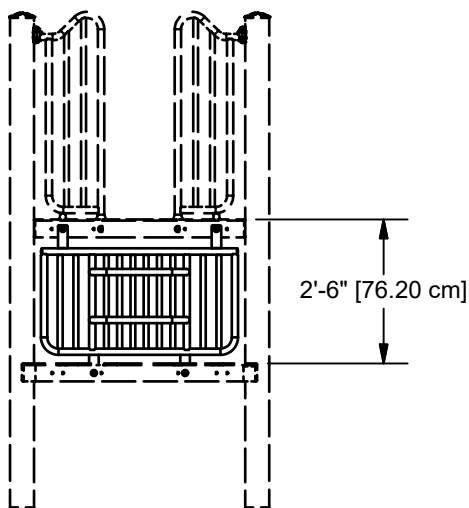
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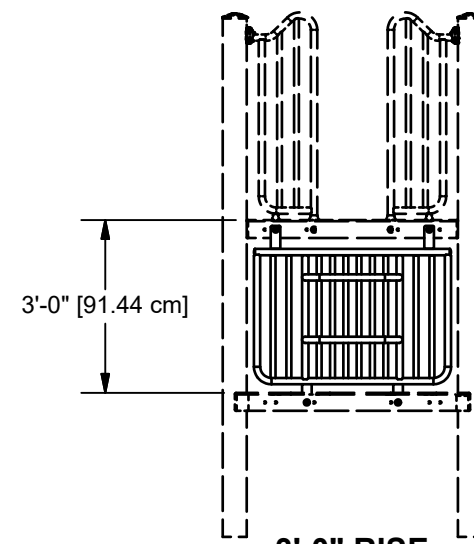
**1'-6\"
VIEW**



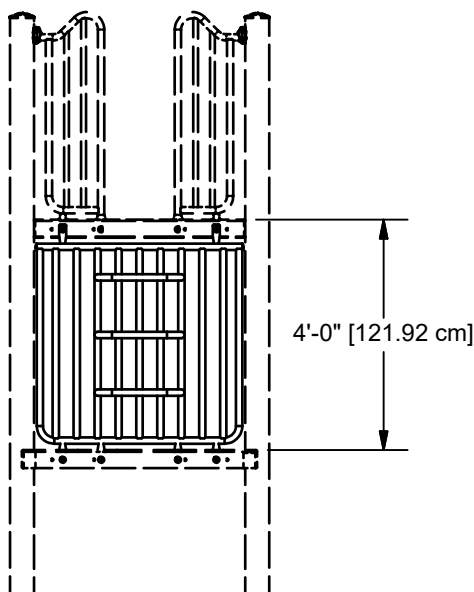
**2'-0\"
VIEW**



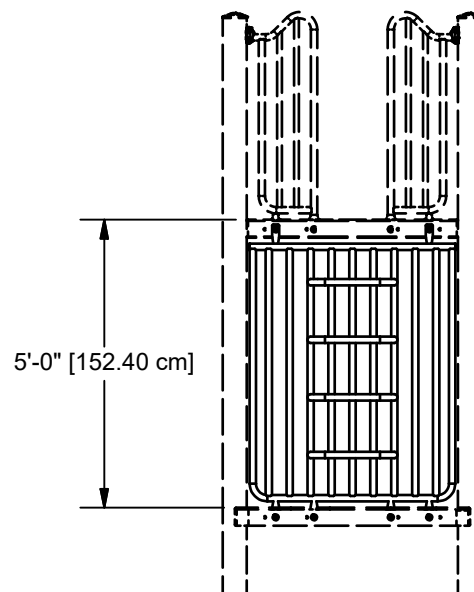
**2'-6\"
VIEW**



**3'-0\"
VIEW**

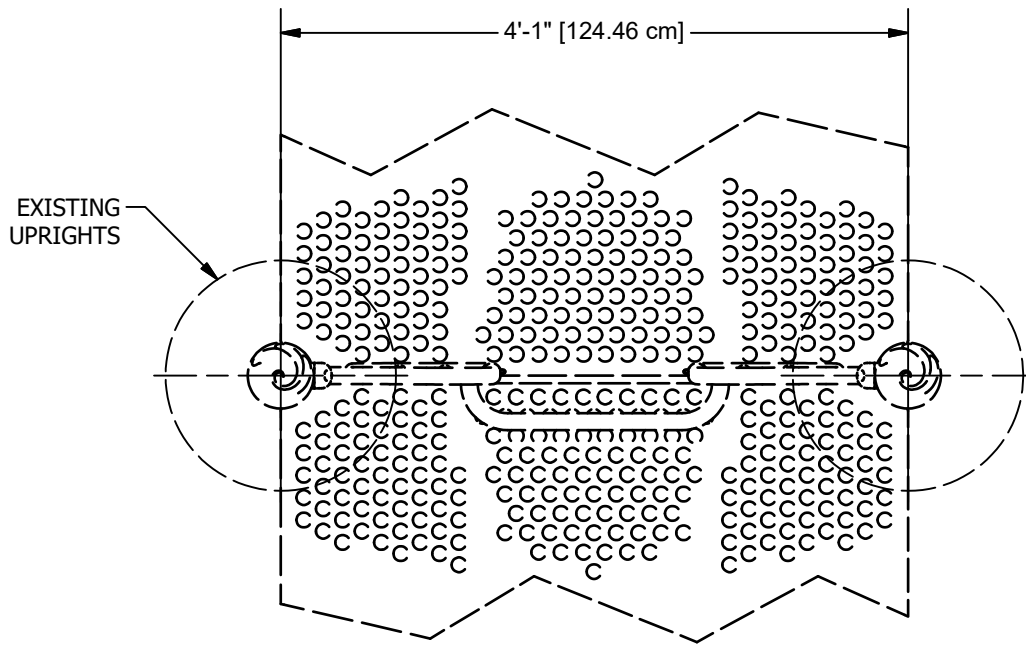


**4'-0\"
VIEW**

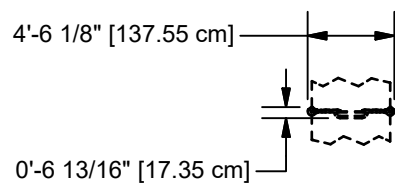


**5'-0\"
VIEW**

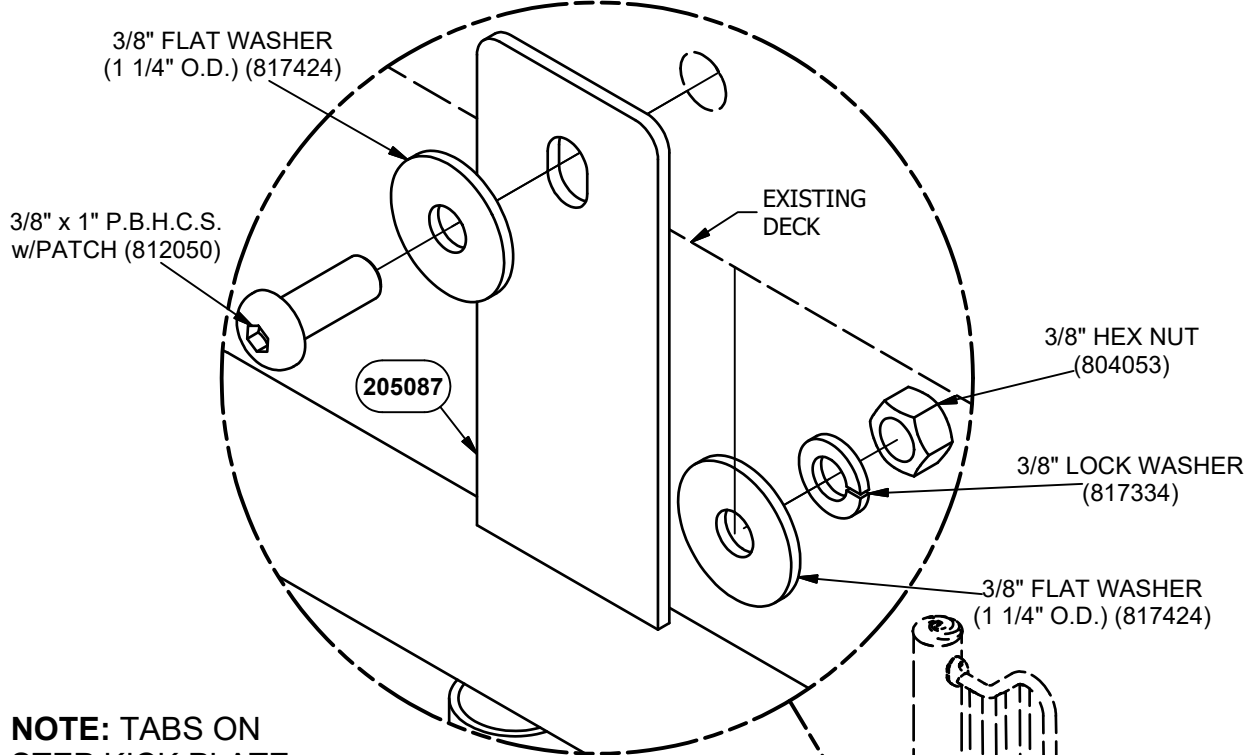
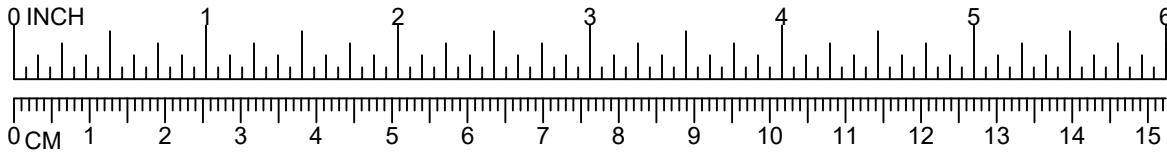
**DECK HEIGHT
ELEVATIONS**



PLAN VIEW

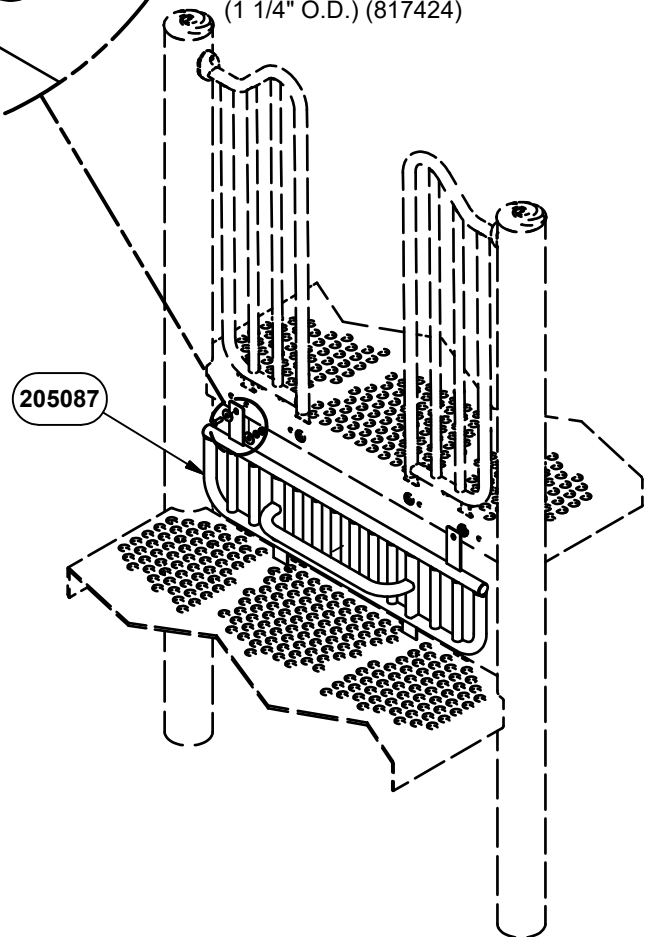


TOP VIEW



NOTE: TABS ON
STEP KICK PLATE
WELD ASSEMBLY
MOUNT TO THE FACE
OF EACH DECK.

STEP 1
4 PLACES



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

DETAIL VIEW
90395 SHOWN
OTHERS SIMILAR

Parts List							
DESCRIPTION	90395	90396	90533	90534	91592	91593	PART NUMBER
STEP KICK PLATE WELD ASSEMBLY	1	0	0	0	0	0	205087
STEP KICK PLATE WELD ASSEMBLY	0	1	0	0	0	0	205091
STEP KICK PLATE WELD ASSEMBLY	0	0	1	0	0	0	205093
STEP KICK PLATE WELD ASSEMBLY	0	0	0	1	0	0	205096
STEP KICK PLATE WELD ASSEMBLY	0	0	0	0	1	0	219749
STEP KICK PLATE WELD ASSEMBLY	0	0	0	0	0	1	219767
HARDWARE COMPLETE	1	1	1	1	0	0	216856
HARDWARE COMPLETE	0	0	0	0	1	1	220137
3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	4	6	6	812050*
3/8" FLAT WASHER (1 1/4" O.D.)	8	8	8	8	12	12	817424*
3/8" LOCK WASHER	4	4	4	4	6	6	817334*
3/8" HEX NUT	4	4	4	4	6	6	804053*

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* Included in Hardware

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- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

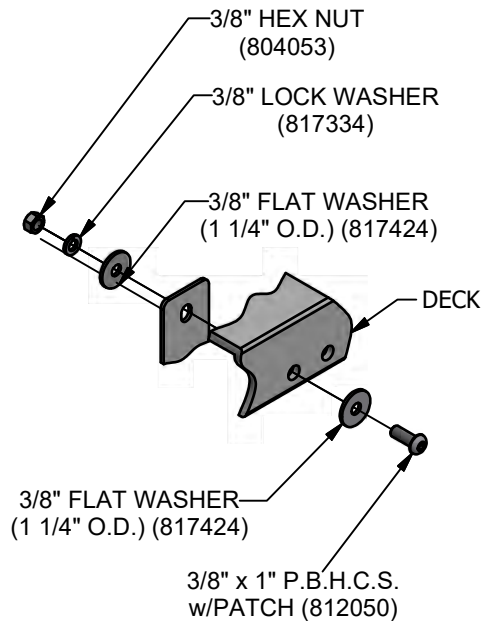
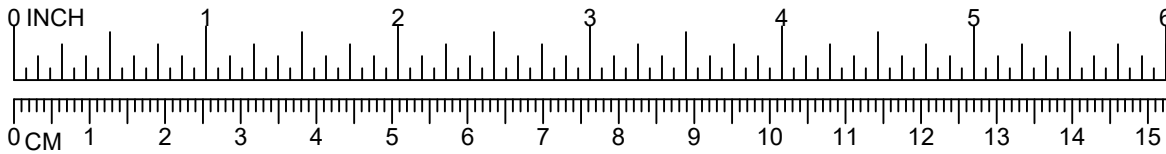
DETAILS -for- 90395, 90396, 90533, & 90534

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.



111

⬡ = INSTALLATION
= DETAIL

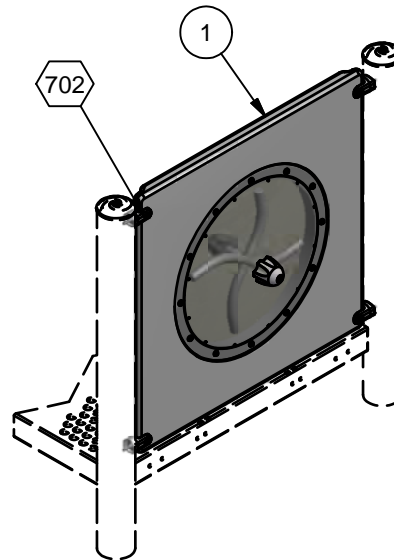
○ = PARTS LIST
= REFERENCE



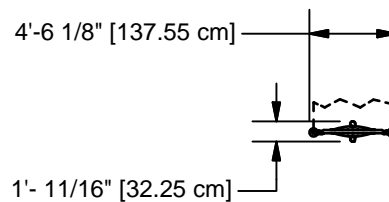
UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS



ASSEMBLY DRAWING



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.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RAIN WHEEL PANEL ASS'Y	1	162417
	TRU-LOC PANEL ATTACHMENT	4	203861
	HARDWARE COMPLETE	1	204322
	3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	812054*
	3/8" LOCKWASHER	8	817334*
	3/8" T-NUT	4	804556*
	1/2" Flat Washer (1 3/8" O.D.)	4	817425*

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.

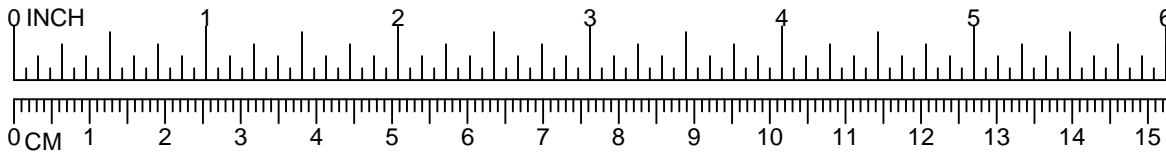
DETAILS -for- 90475

IMPORTANT

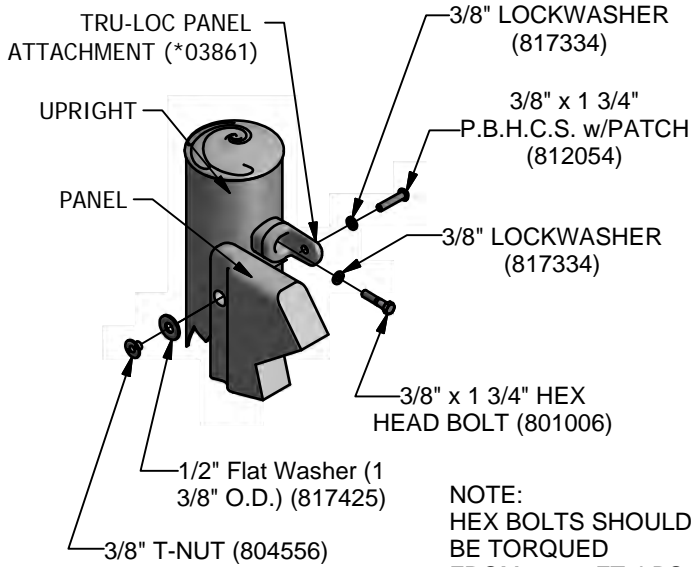
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



(* = T,W,G OR K)



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

702

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/30/21

90476 RUNG ENCLOSURE (GUARDRAIL)

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



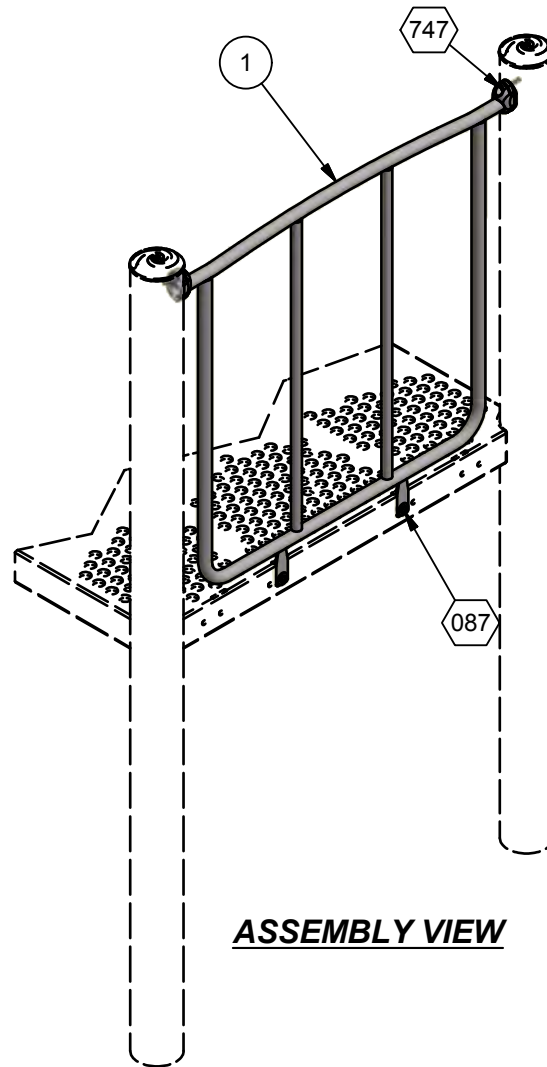
0'-6" THRU 2'-6"



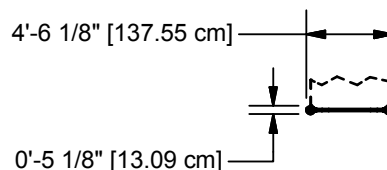
0'-6" THRU 4'-0"

INSTALLATION INSTRUCTIONS

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



ASSEMBLY VIEW



TOP VIEWS

Parts List			
REF.	DESCRIPTION	90476	PART NUMBER
1	GUARDRAIL RUNG ENCLOSURE	1	204408
	TRU-LOC	2	A03650
	HARDWARE COMPLETE	1	204411
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" FLAT WASHER □ 1 1/4" O.D.□	2	817424*
	3/8" LOCK WASHER	4	817334*
	3/8" T-NUT	2	804556*
	ALUM. PIN	2	203568*

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

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

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

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

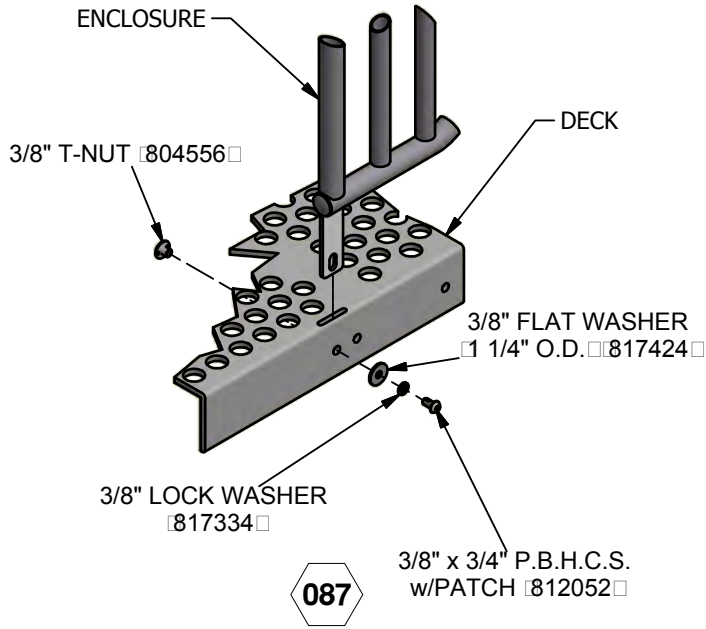
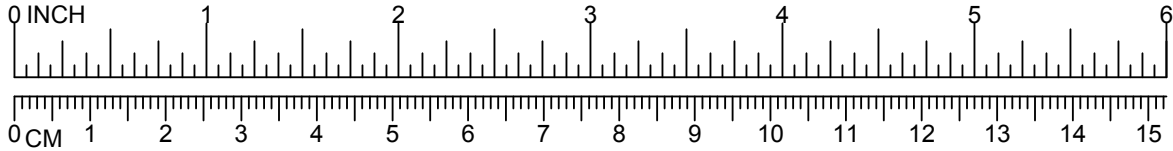
DETAILS -for- 90476

IMPORTANT

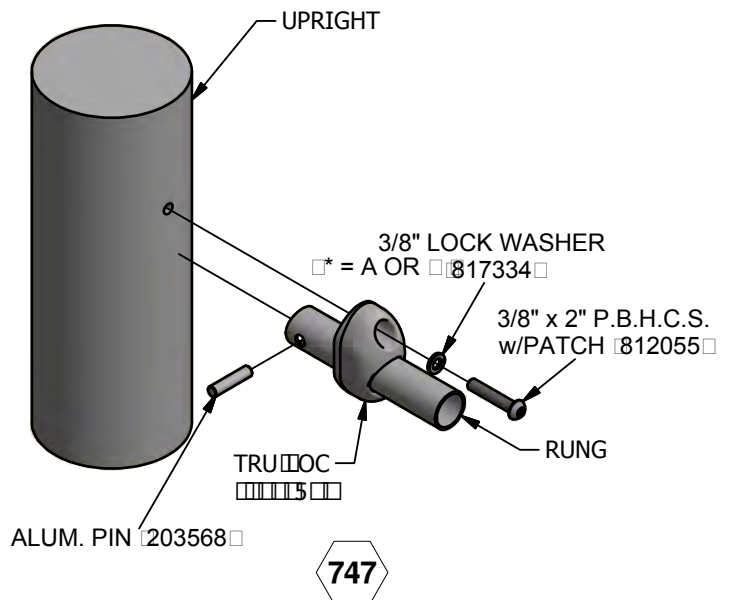
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



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





A PLAYCORE Company

1-800-235-2440

DOUBLE ZIP SLIDE

ISSUED/REVISED: 05/18/12

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

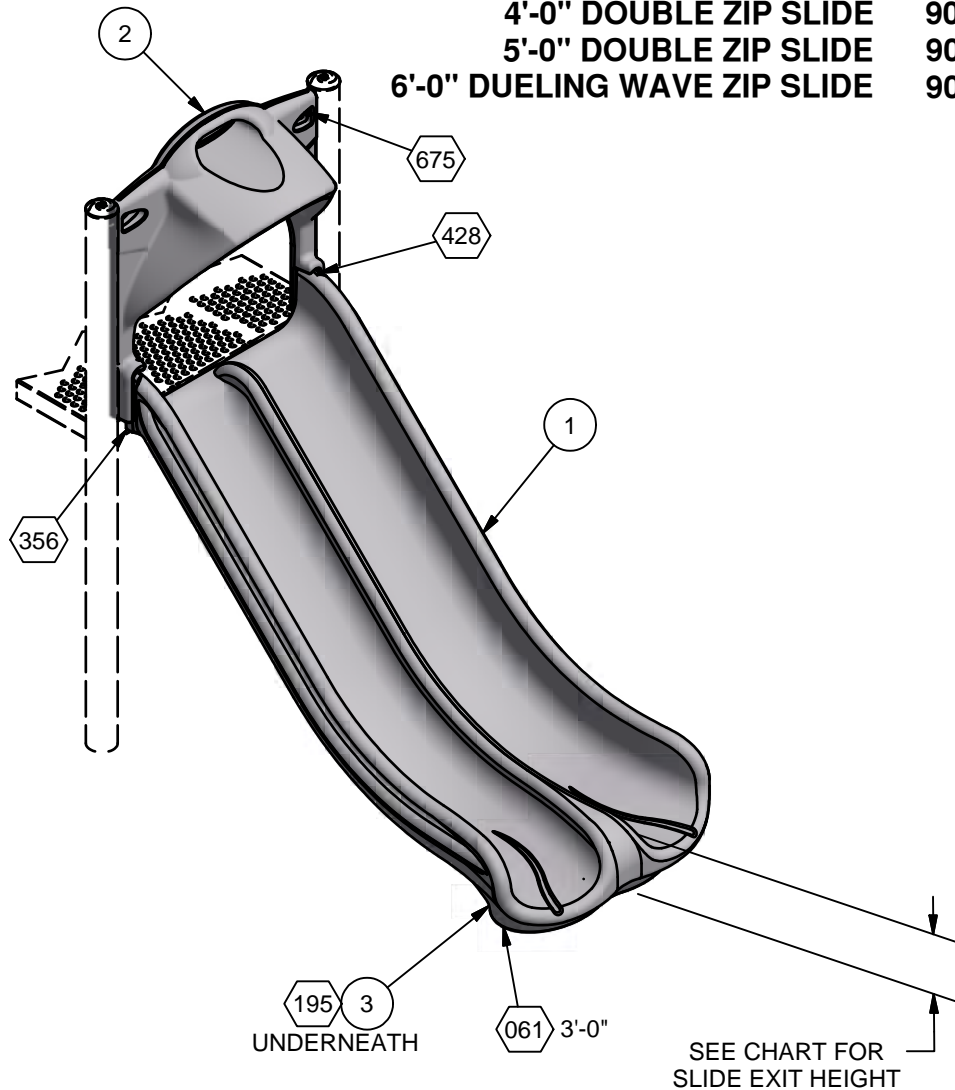
- 2'-6"/3'-0" RUMBLE & ROLL ZIP SLIDE 90507
- 4'-0" DOUBLE ZIP SLIDE 90508
- 5'-0" DOUBLE ZIP SLIDE 90509
- 6'-0" DUELING WAVE ZIP SLIDE 90510



90507
90508
90509



90510



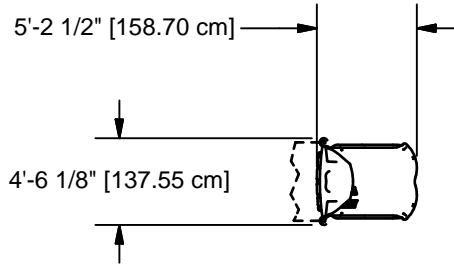
INSTALLATION INSTRUCTIONS

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. If the white plug underneath slide is not drilled, drill a 3/16" diameter hole in center after installation.

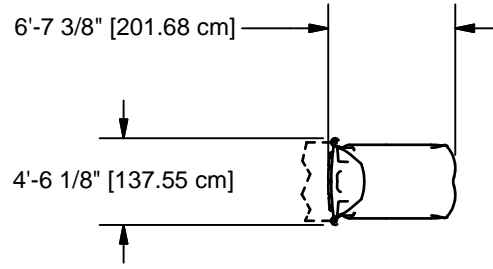
PART NO.	SLIDE EXIT HEIGHT
90507 (2'-6")	0'-4 3/4" [12 cm]
90507 (3'-0")	0'-10 3/4" [27 cm]
90508 (4'-0")	0'-7" [18 cm]
90509 (5'-0")	0'-8 3/4" [22 cm]
90510 (6'-0")	0'-11" [28 cm]

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

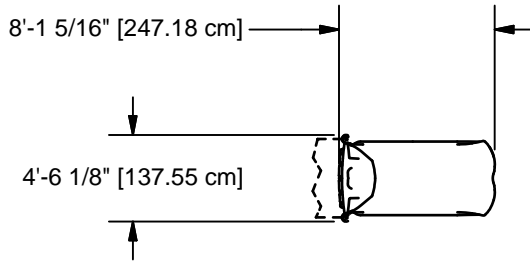
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS



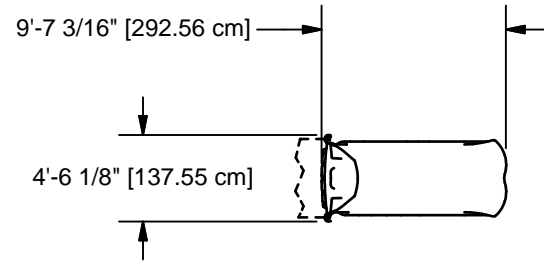
90507



90508

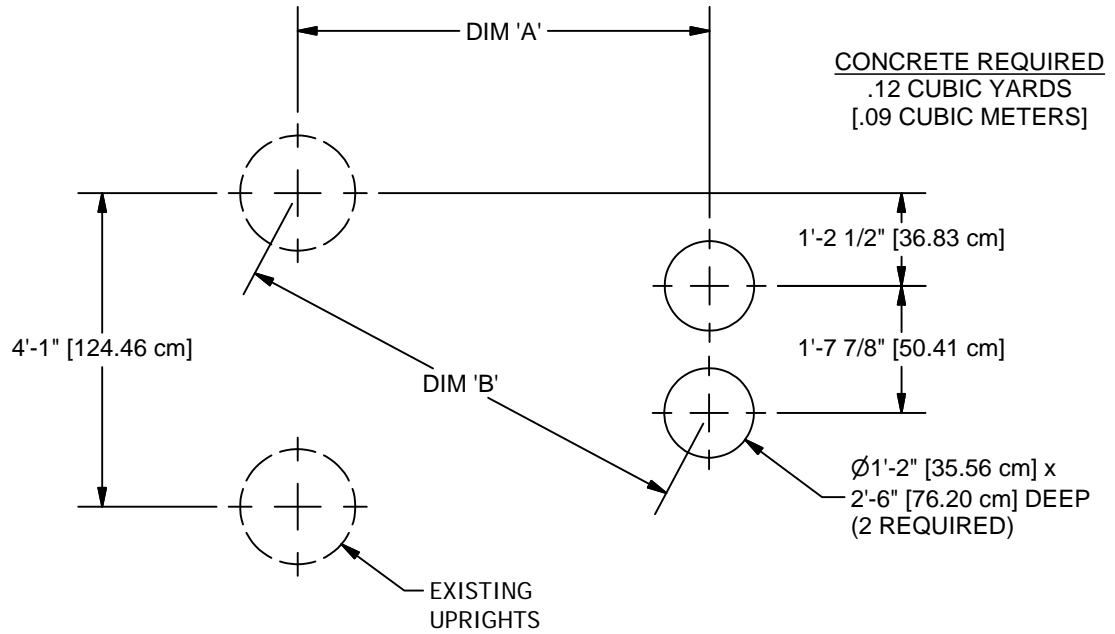


90509



90510

TOP VIEWS



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

PART NO.	DIM "A"	DIM "B"
90507	3'-11 1/8" [120 cm]	4'-10 7/16" [148 cm]
90508	5'-4 1/8" [163 cm]	6'-0 7/8" [185 cm]
90509	6'-9 1/8" [206 cm]	7'-4 1/8" [224 cm]
90510	8'-3 3/8" [252 cm]	8'-9 3/16" [267 cm]

Parts List						
REF.	DESCRIPTION	90507	90508	90509	90510	PART NUMBER
1	3' RUMBLE & ROLL SLIDE	1	0	0	0	176401
1	4' DOUBLE SLIDE	0	1	0	0	176188
1	5' DOUBLE SLIDE	0	0	1	0	176189
1	6' DUELING WAVE SLIDE	0	0	0	1	176158
2	DOUBLE ZIP SLIDE HOOD	1	1	1	1	203860
3	FOOTBUCK	2	2	2	0	176385
3	FOOTBUCK	0	0	0	2	176384
	HARDWARE COMPLETE	1	0	0	0	204379
	HARDWARE COMPLETE	0	1	1	1	204380
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812058*
	3/8" x 3" HEX HEAD BOLT	2	0	0	0	801011*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	817424*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	2	817401*
	3/8" FLAT WASHER	4	4	4	4	817410*
	3/8" LOCKWASHER	14	12	12	12	817334*
	3/8" HEX NUT	2	0	0	0	804053*
	6" EXTENSION	2	0	0	0	151080*

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

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

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

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

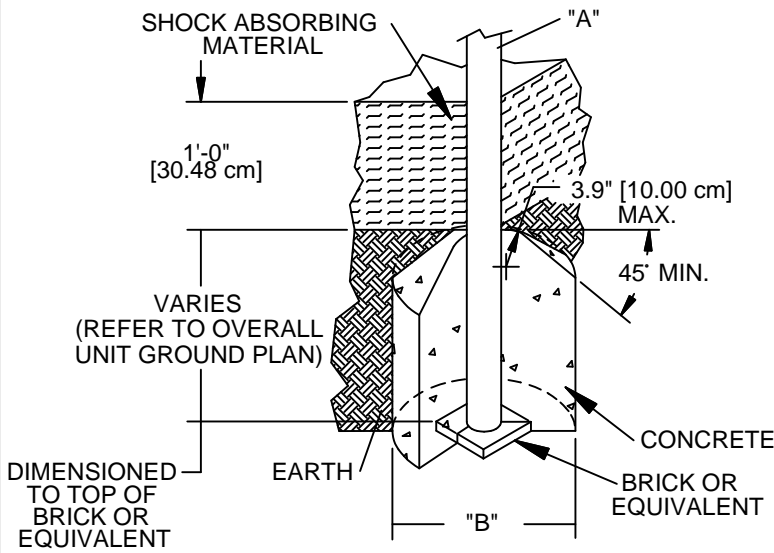
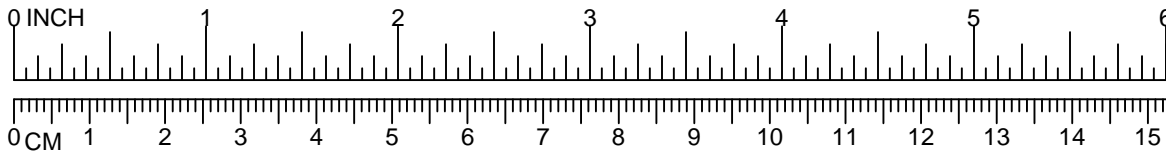
DETAILS -for- 90507, 90508, 90509 & 90510

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:

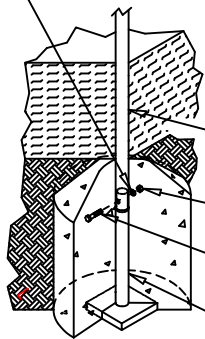
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

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

3/8" LOCKWASHER
(817334)

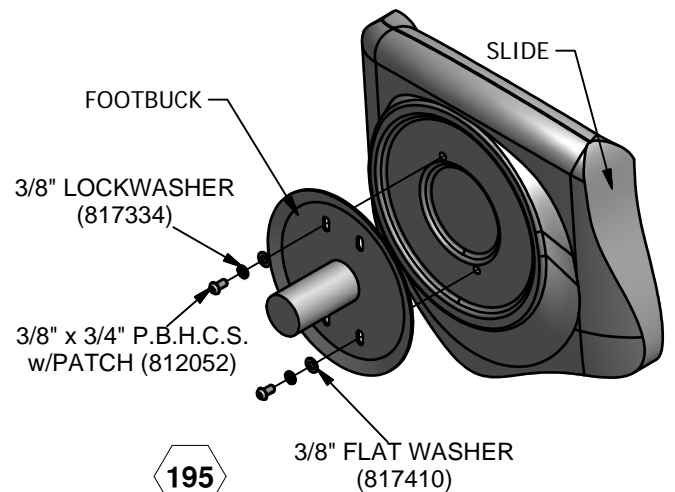


LEG, SEE CHART
FOR SIZE

3/8" HEX NUT
(804053)

SEE CHART
FOR SIZE

EXTENSION



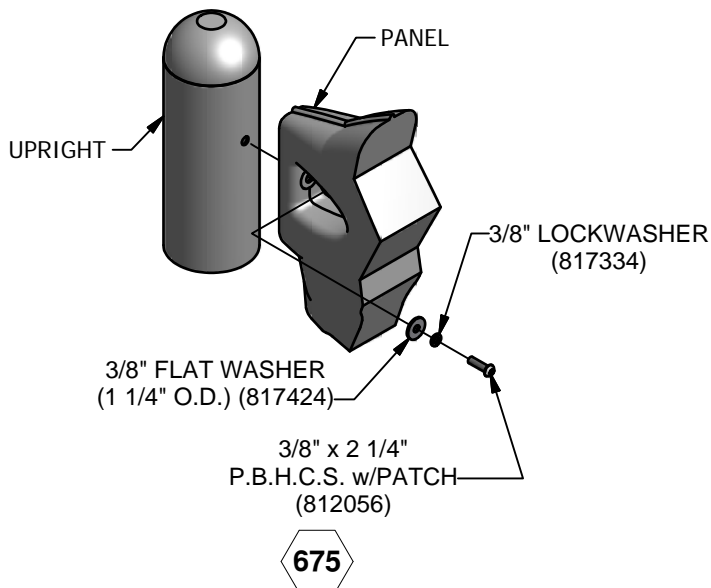
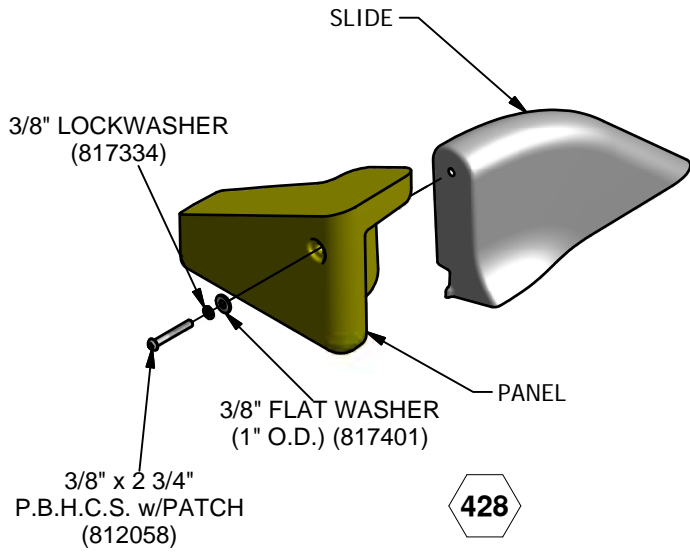
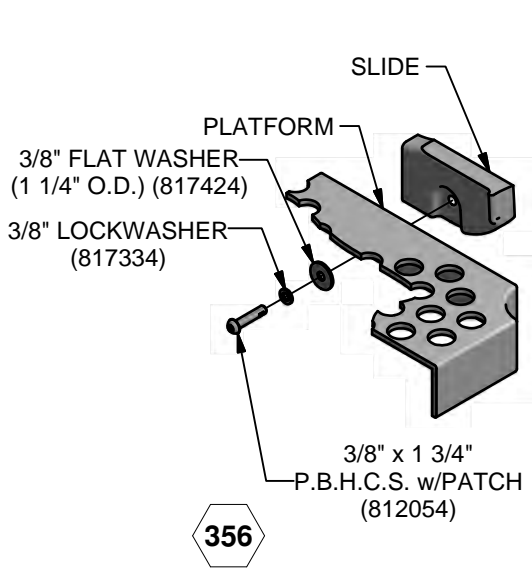
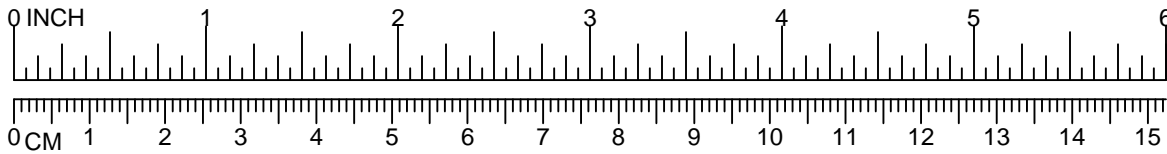
DETAILS -for- 90507, 90508, 90509 & 90510

IMPORTANT

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

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



THUNDERRING HALF PANEL

⬡ = INSTALLATION
= DETAIL

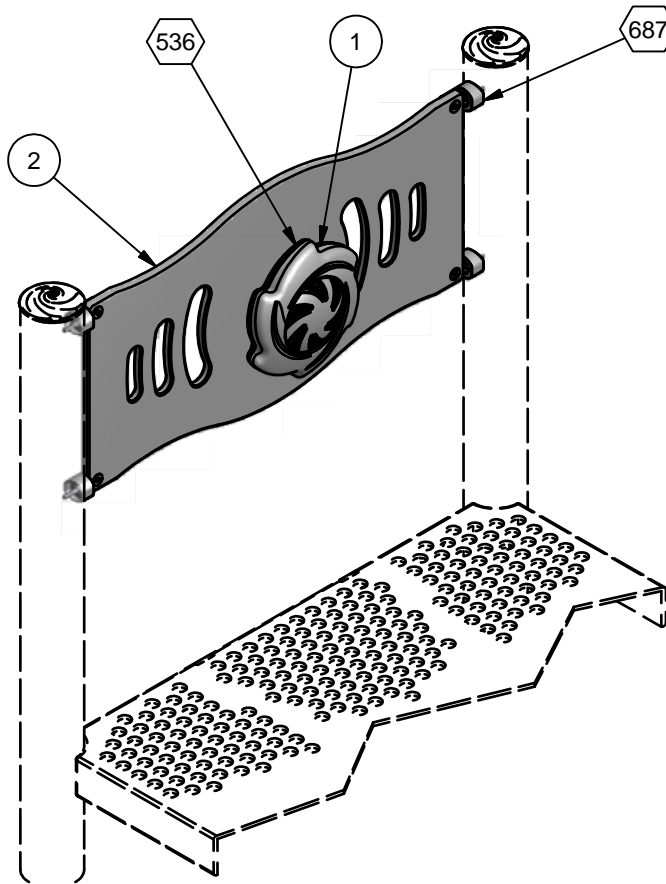
○ = PARTS LIST
= REFERENCE



UP TO 2'-6"
DECK HEIGHTS



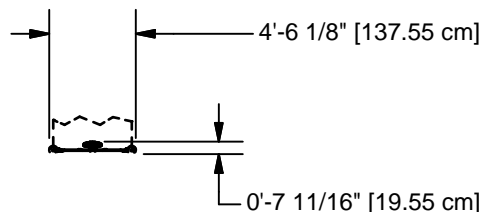
UP TO 4'-0"
DECK HEIGHTS



ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

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



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	THUNDERRING	1	179013
2	THUNDERRING HALF PANEL	1	179231
	TRU-LOC PANEL ATTACHMENT	4	G03861
	HARDWARE COMPLETE	1	204466
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/2" P.B.H.C.S. w/ PATCH	2	812053*
	3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
	3/8" FLAT WASHER	4	817410*
	3/8" LOCKWASHER	10	817334*
	3/8" ACORN NUT	2	804002*
	3/8" T-NUT	4	804556*

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

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

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

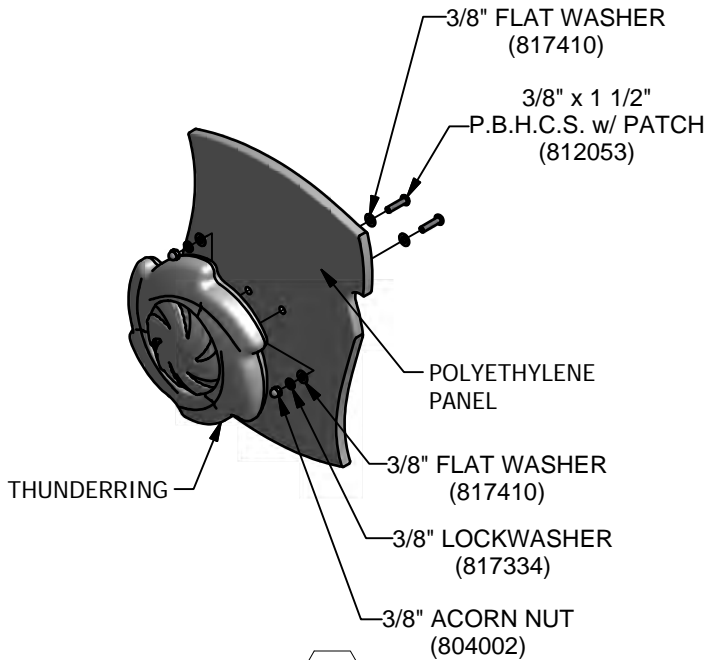
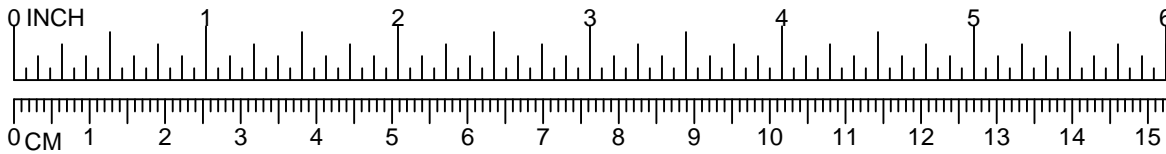
DETAILS -for- 90525

IMPORTANT

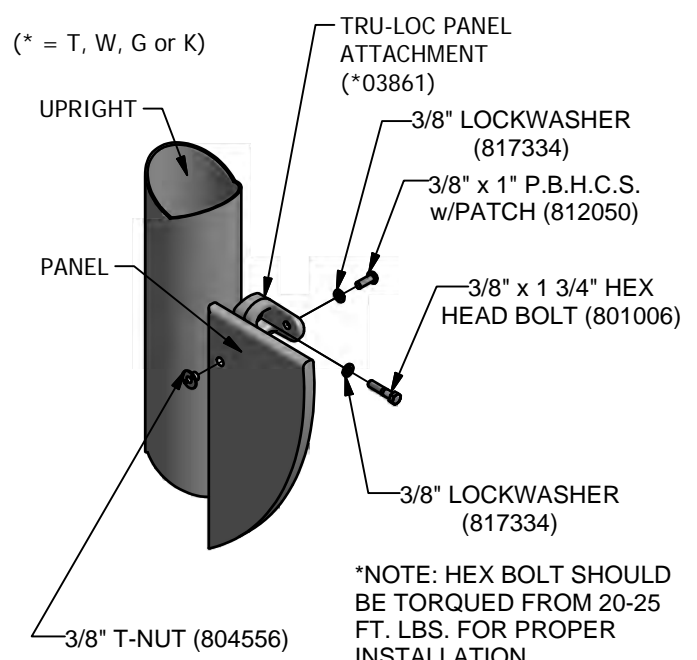
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



536



687

CONTOURED SEAT PANEL

⬡ = INSTALLATION
= DETAIL

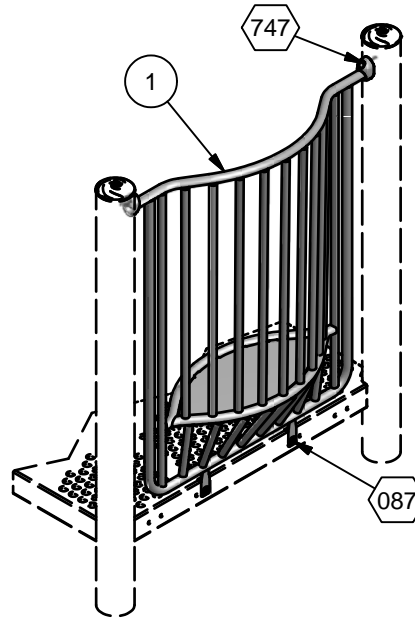
○ = PARTS LIST
= REFERENCE



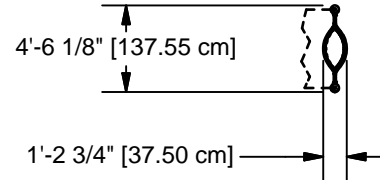
UP TO 5'-0"



UP TO 7'-0"



ASSEMBLY DRAWING



TOP VIEW

INSTALLATION INSTRUCTIONS

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

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

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

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

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

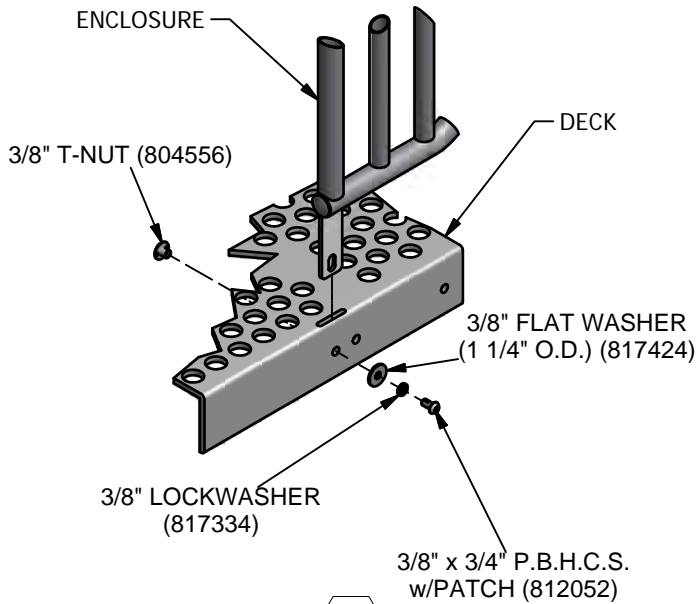
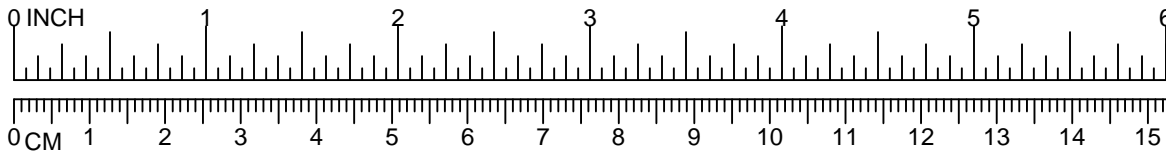
DETAILS -for- 90610

IMPORTANT

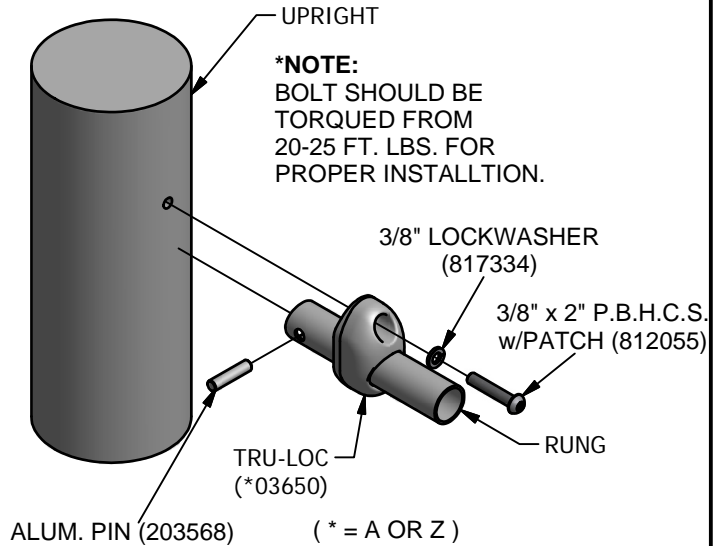
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



087



747

PowerScape

GameTime



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1-800-235-2440

ISSUED/REVISED: 11/10/22

91135 FUNNEL CROW'S NEST

GUARDRAIL w/TELESCOPE 91135
BARRIER w/TELESCOPE 91136

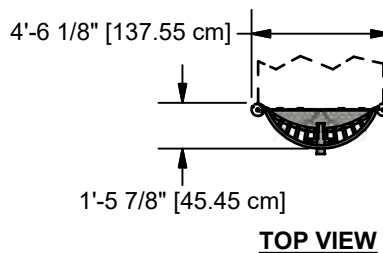
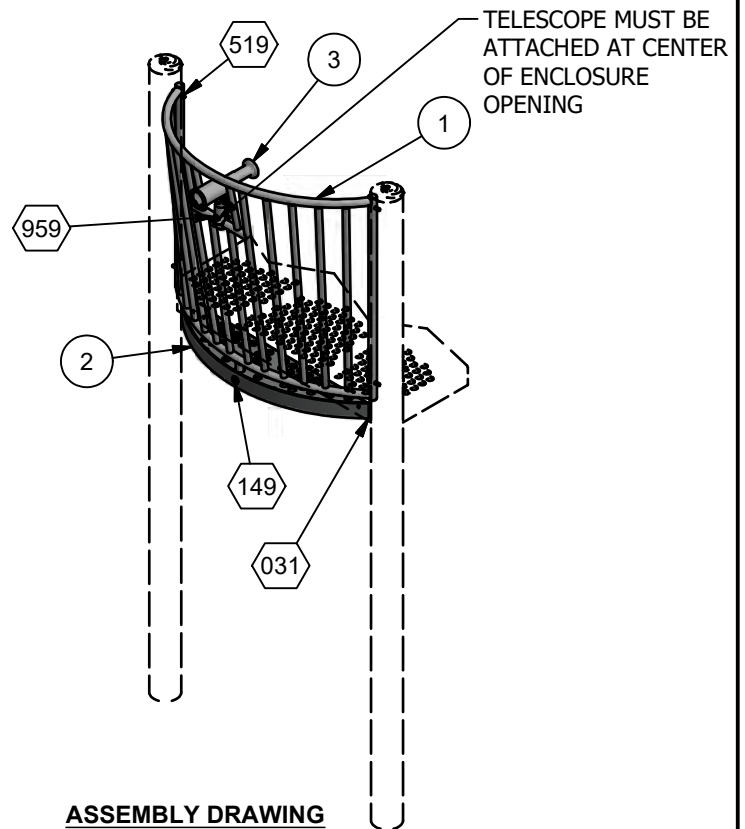
-  = INSTALLATION
-  = PARTS LIST REFERENCE



UP TO 2'-6"
DECK HEIGHTS
91135



UP TO 4'-0"
DECK HEIGHTS
91135
UP TO 9'-0"
DECK HEIGHTS
91136



INSTALLATION INSTRUCTIONS

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

PARTS LIST

Parts List				
ITEM	DESCRIPTION	91135	91136	PART NUMBER
1	CROW'S NEST GUARDRAIL	1	0	216249
1	CROW'S NEST BARRIER	0	1	216252
2	CROW'S NEST PLATFORM	1	1	178335
3	TELESCOPE ASS'Y	1	1	314712
	TELESCOPE SWIVEL CASTING	1	1	314703
	TELESCOPE HALF CLAMP CASTING	2	2	314705
	HARDWARE COMPLETE	1	1	216299
	3/8" LOCK WASHER	11	11	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	5	5	817424*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" T-NUT	5	5	804556*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	4	812056*
	3/8" x 1" P.B.H.C.S. w/PATCH	1	1	812050*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	1	1	812054*
	3/8" FLAT WASHER	3	3	817410*
	1/2" FLAT WASHER	1	1	817412*
	3/8" BARREL NUT	2	2	804804*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	812053*
	1/4" x 1" DRIVE RIVET	2	2	805302*

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

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

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

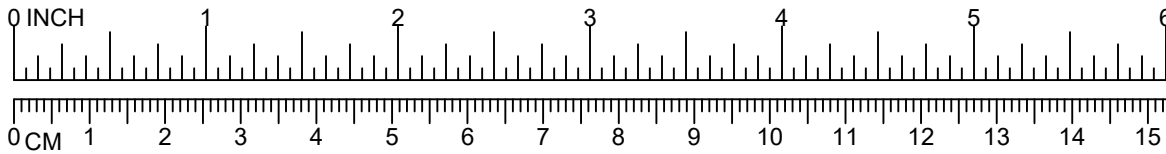
DETAILS -for- 91135, 91136

IMPORTANT

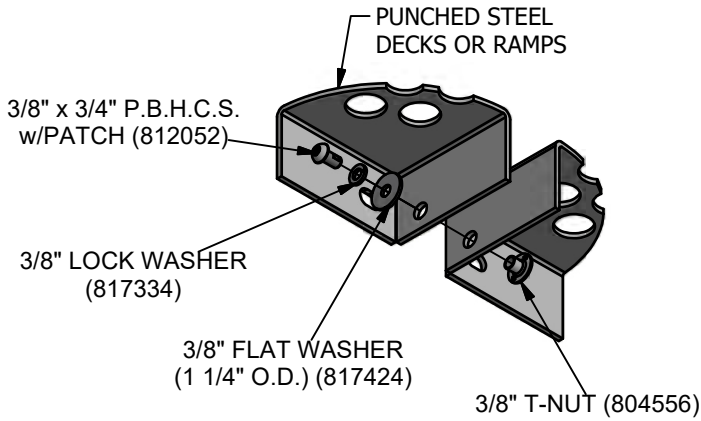
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
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SMOOTH AND TREATED TO PREVENT CORROSION.

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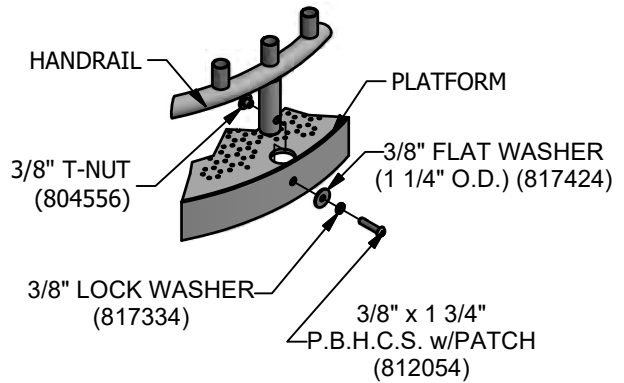
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



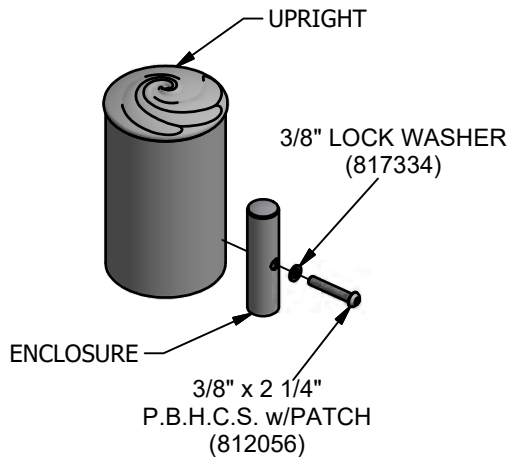
NOTE:
AFTER ASSEMBLY IS COMPLETE, PEEN
T-NUTS AND FLATWASHERS TO MATCH
RADIUS OF PIPE AND PLATFORM.



031



149



519

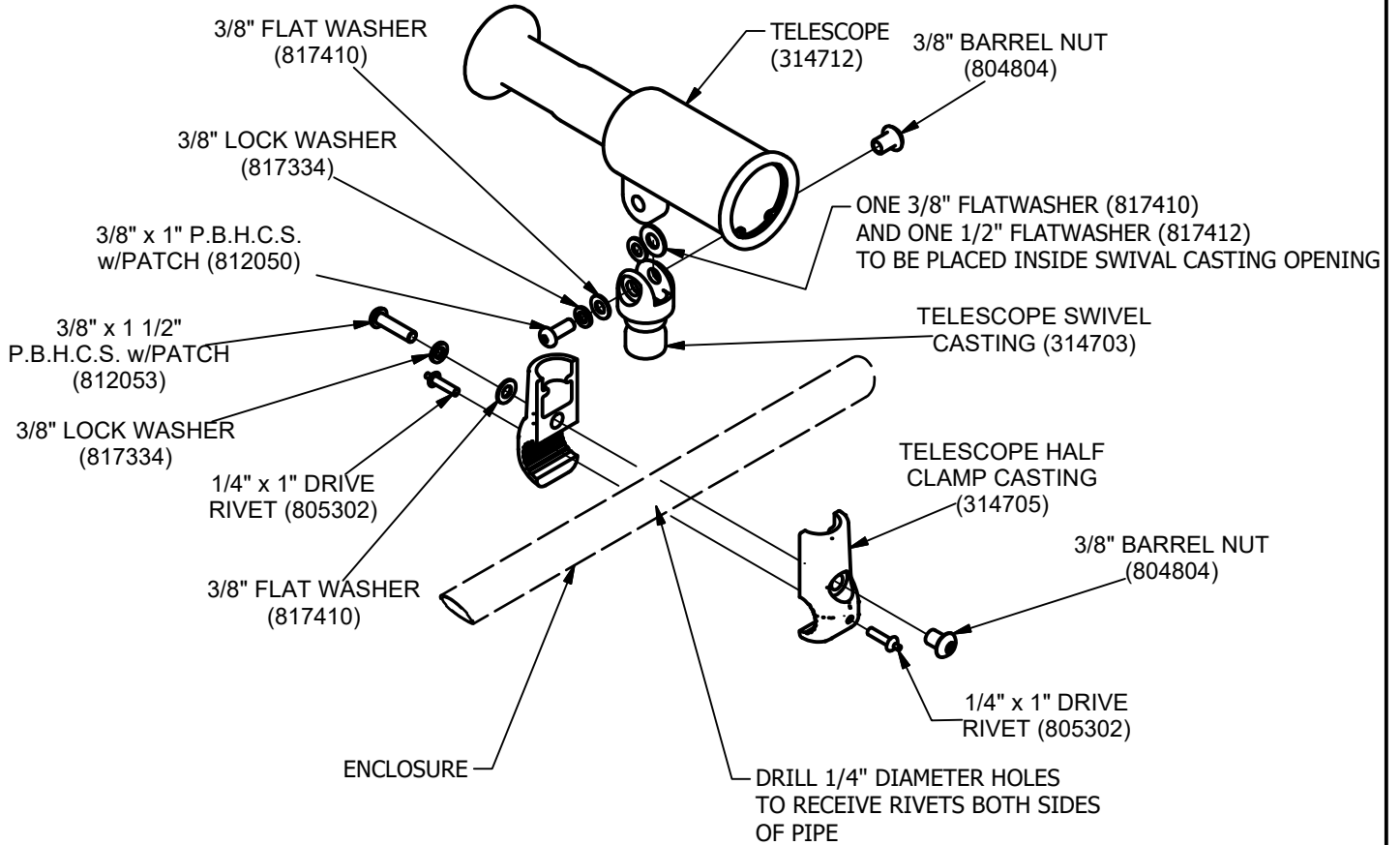
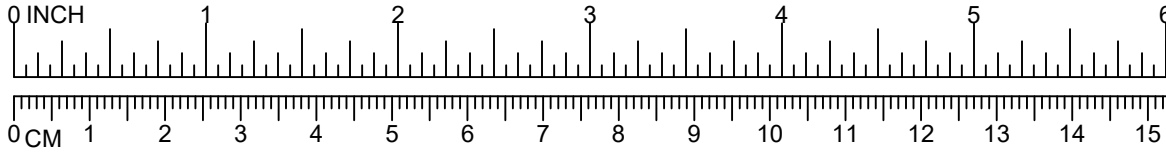
DETAILS -for- 91135, 91136

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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959

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GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 09/11/20

91139 ENTRYWAY

This play equipment is designed for
CHILDREN
2 TO 5
YEARS OLD
Adult supervision is recommended
Enriching Childhood Through Play™
www.gametime.com

91146
2'-6"
OR
BELOW

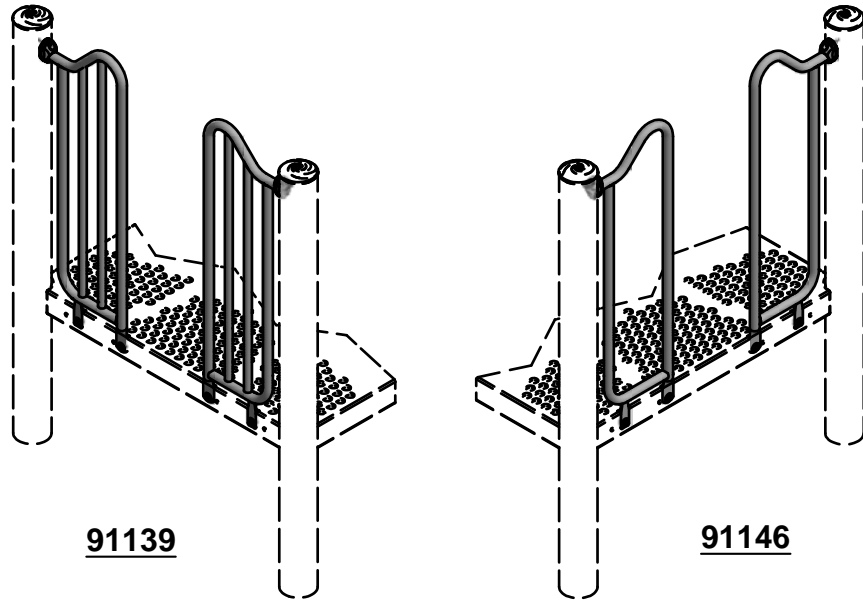
This play equipment is designed for children age
2 TO 5
OR
5 TO 12
Adult supervision is recommended
Enriching Childhood Through Play™
www.gametime.com

91139

This play equipment is designed for
CHILDREN
5 TO 12
YEARS OLD
Adult supervision is recommended
Enriching Childhood Through Play™
www.gametime.com

91146
4'-0"
OR
BELOW

BARRIER 91139
GUARDRAIL 91146



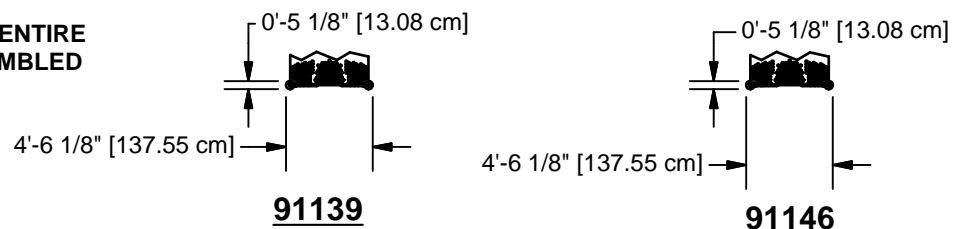
91139

91146

ASSEMBLY VIEWS

INSTALLATION INSTRUCTIONS

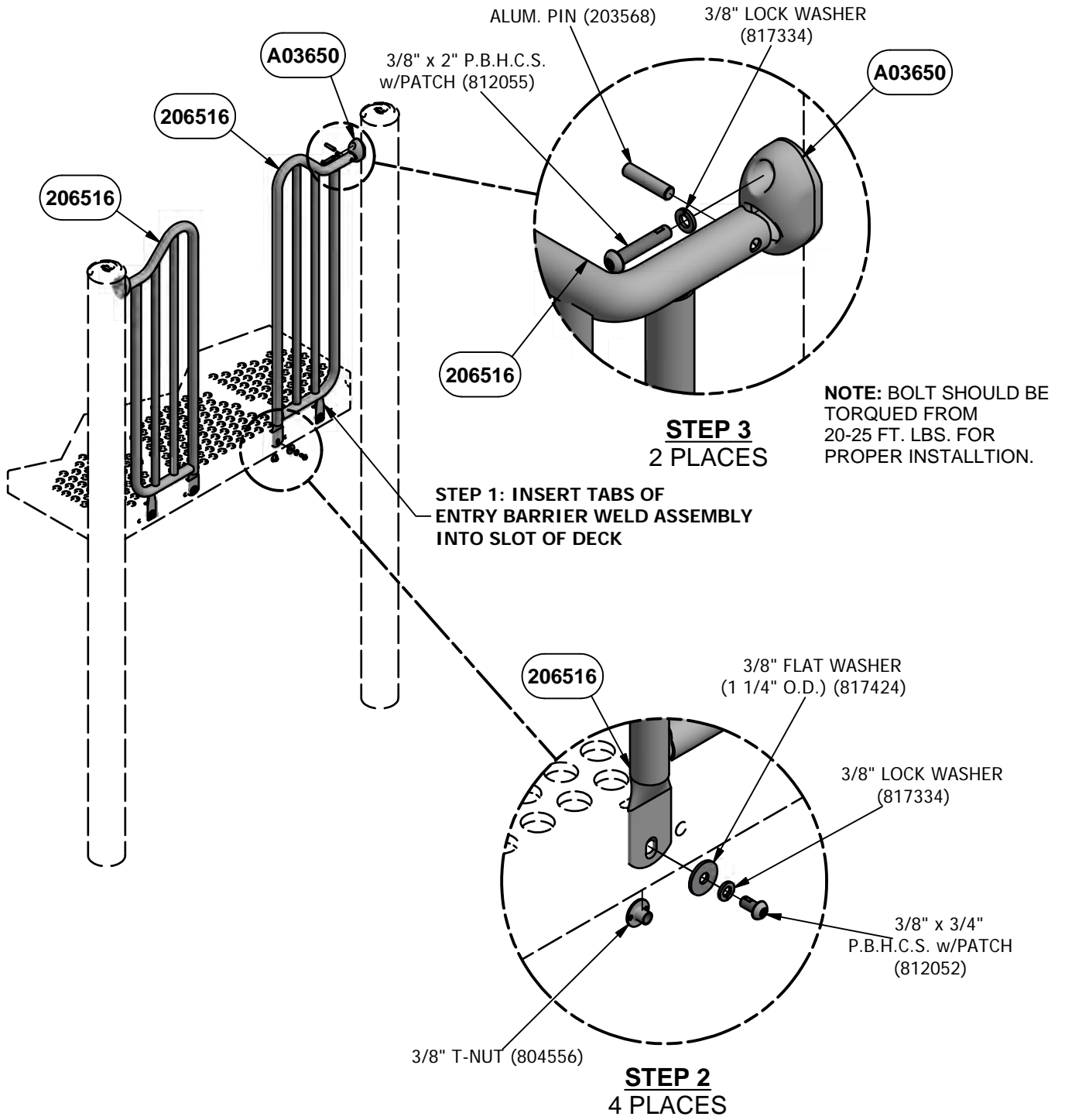
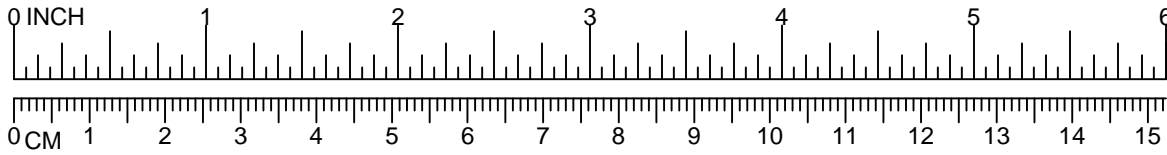
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2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE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



91139

91146

TOP VIEWS



Parts List			
DESCRIPTION	91139	91146	PART NUMBER
ENTRY BARRIER	2	0	206516
GUARDRAIL ENTRY	0	2	206002
TRU-LOC	2	2	A03650
HARDWARE COMPLETE	1	1	206587
ALUM. PIN	2	2	203568*
3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
3/8" LOCK WASHER	6	6	817334*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
3/8" T-NUT	4	4	804556*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*

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* Included in Hardware*

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

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

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

MAINTENANCE PROCEDURE:

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



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1-800-235-2440

ISSUED/REVISED: 8/4/22

ENCLOSURE TIMBERS

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE

ABOVE DECK 91149
BELOW DECK 91158



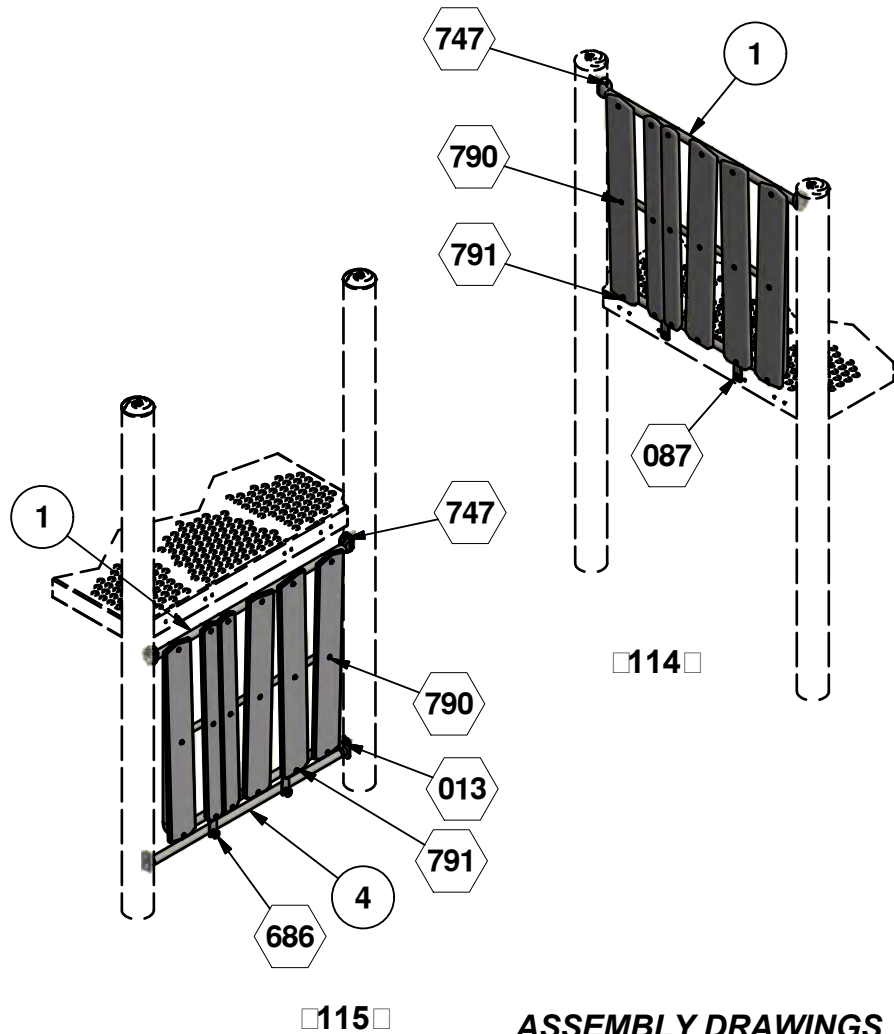
91149
UP TO 5'-0"

91158
4'-0" TO 5'-0"



91149
ALL DECKS

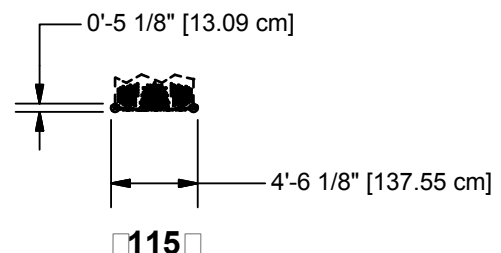
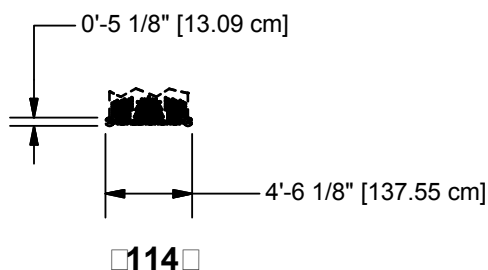
91158
5'-6" TO 8'-0"



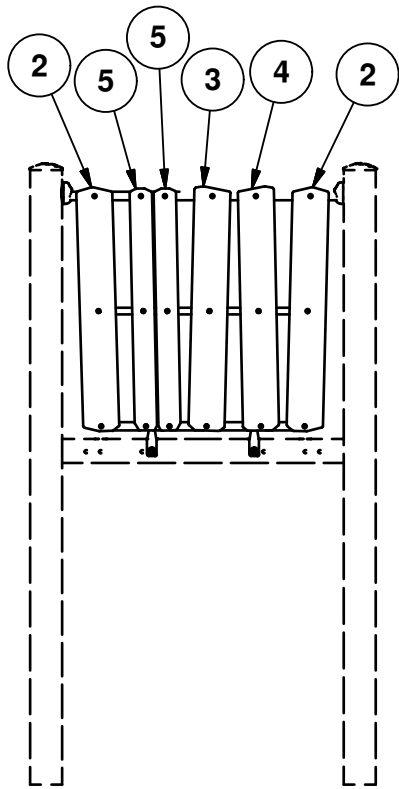
ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

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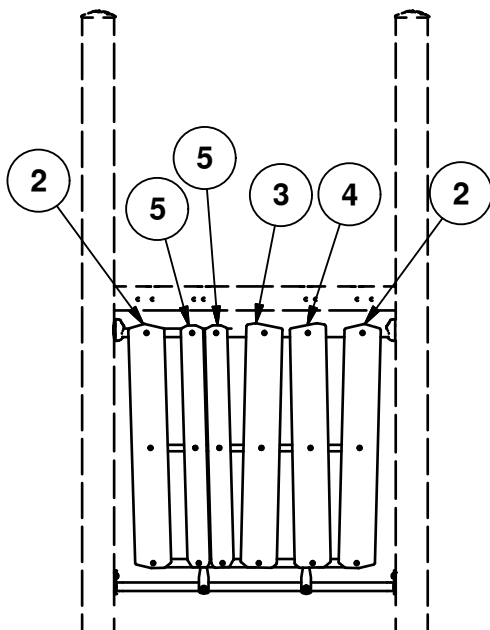


TOP VIEW



TIMBER LOCATION
91149

TIMBER PACKAGE 020000		
RE	DESCRIPTION	PART NUMBER
2	TIMBER 100TUDOR BROWN	200222
	TIMBER 15 SAND	200221
	TIMBER 100TUDOR BROWN	200220
5	TIMBER 100GRA	200220



TIMBER LOCATION
91158

TIMBER PACKAGE 020000		
RE	DESCRIPTION	PART NUMBER
2	TIMBER 100TUDOR BROWN	200222
	TIMBER 15 SAND	200221
	TIMBER 100TUDOR BROWN	200220
5	TIMBER 100GRA	200220

Parts List				
REF.	DESCRIPTION	91149	91158	PART NUMBER
1	TIMBER ENCLOSURE WELD ASS'Y	1	1	206673
	TIMBER PACKAGE	1	1	207461
2	TIMBER 14	2	2	207222**
3	TIMBER 15	1	1	207221**
4	TIMBER 16	1	1	207220**
5	TIMBER 17	2	2	207223**
6	MOUNTING PIPE	0	1	203900
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	0	222101
	HARDWARE COMPLETE	0	1	222102
	3/8" LOCK WASHER	4	6	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	0	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER 1 1/4" O.D.	2	2	817424*
	3/8" T-NUT	2	2	804556*
	ALUM. PIN	2	2	203568*
	5/16" x 2" P.B.H.C.S. w/PATCH	12	12	812046*
	5/16" x 1 3/4" P.B.H.C.S. w/PATCH	6	6	812047*
	NUT 5/16"- INSERT TYPE 1	18	18	HWN0149*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

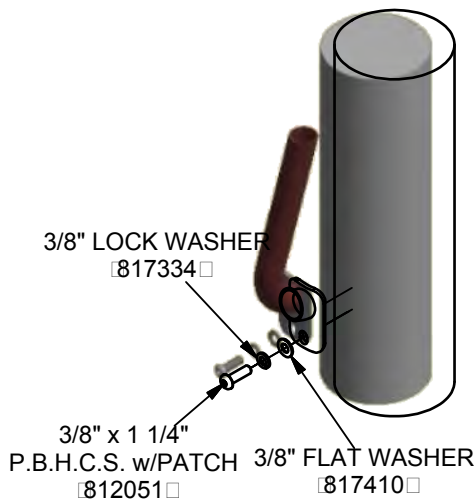
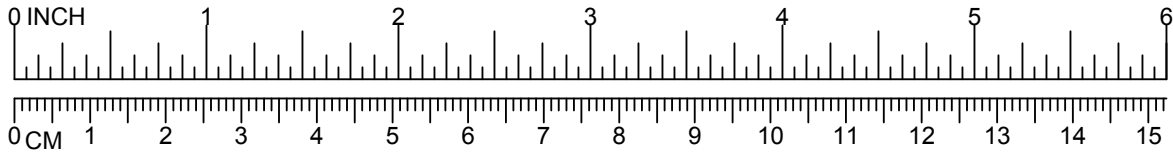
DETAILS -for- 91149 & 91158

IMPORTANT

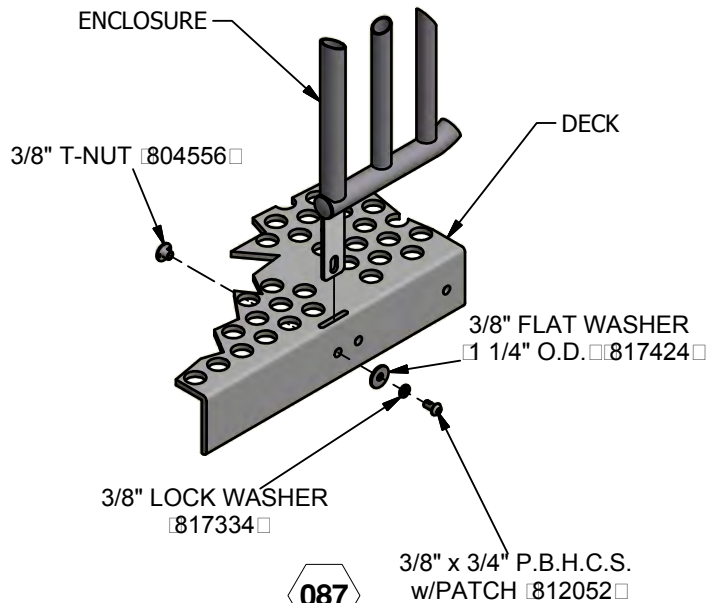
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

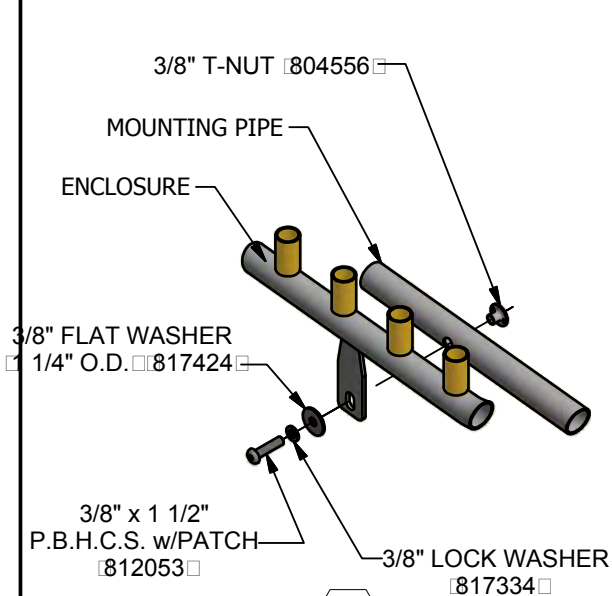
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



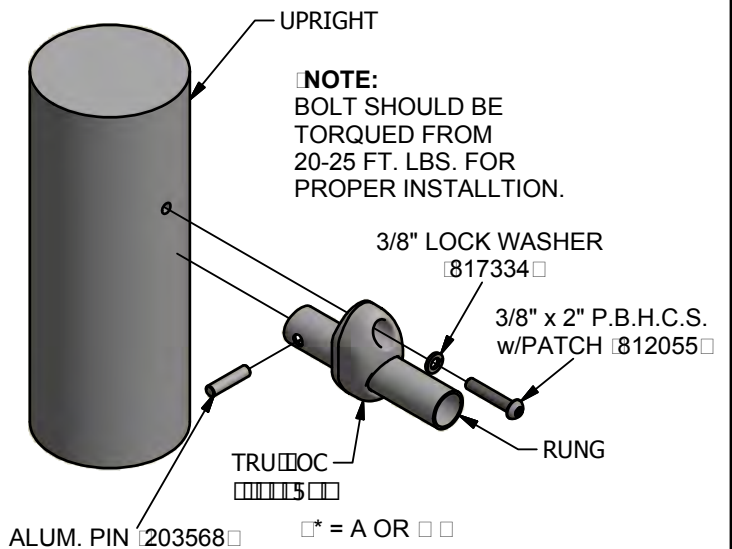
013



087



686



747

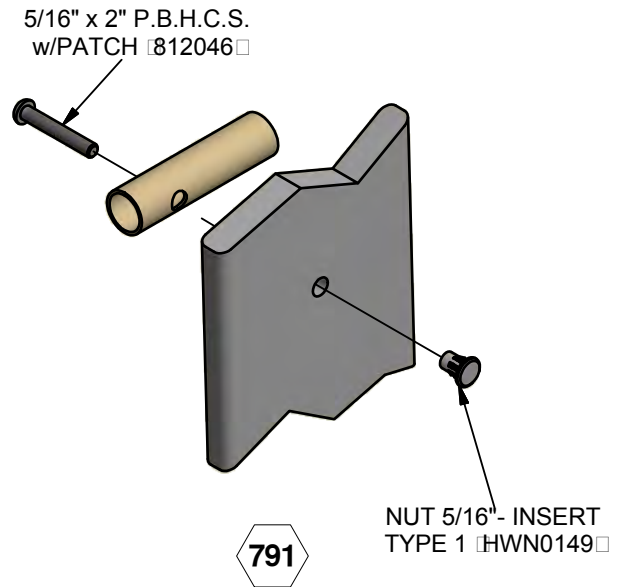
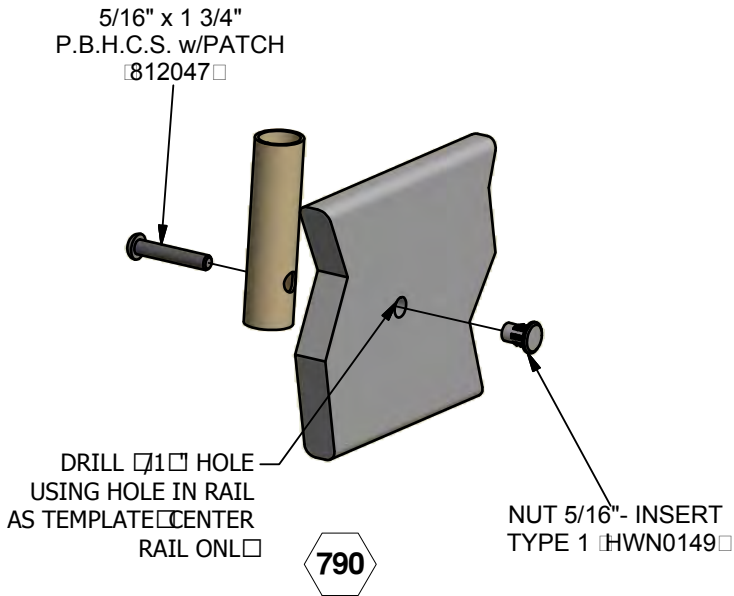
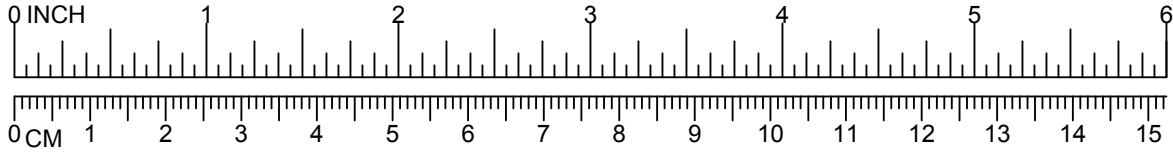
DETAILS -for- 91149 & 91158

IMPORTANT

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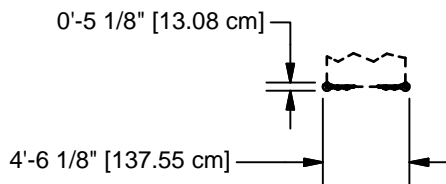
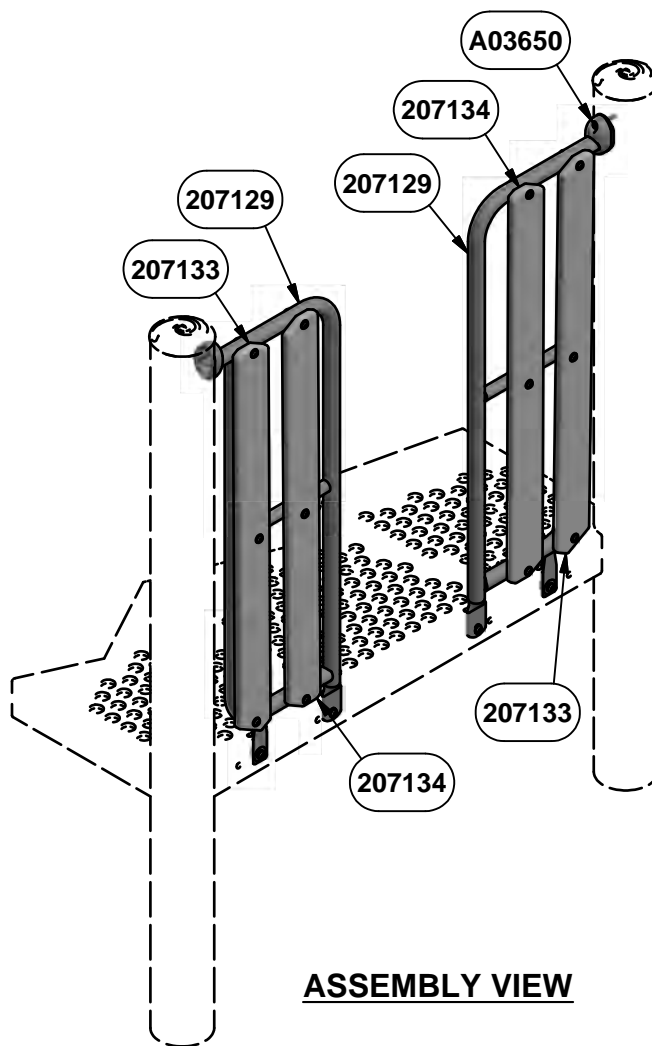
ISSUED/REVISED: 11/30/2020

91150 ENTRYWAY TIMBERS

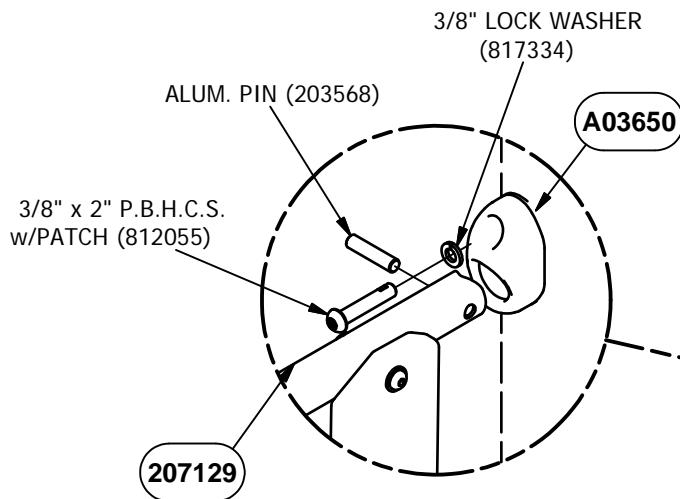
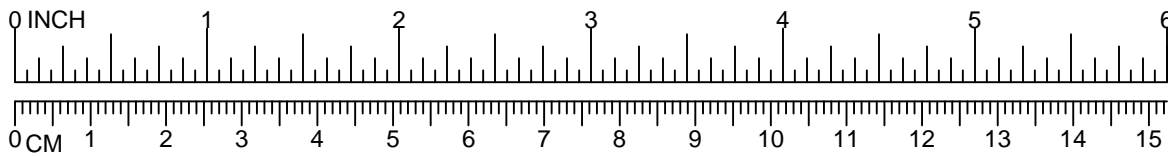


INSTALLATION INSTRUCTIONS

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



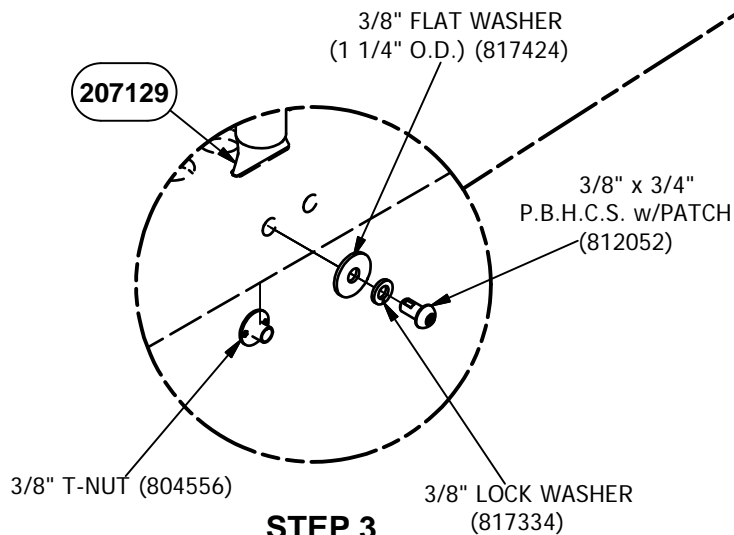
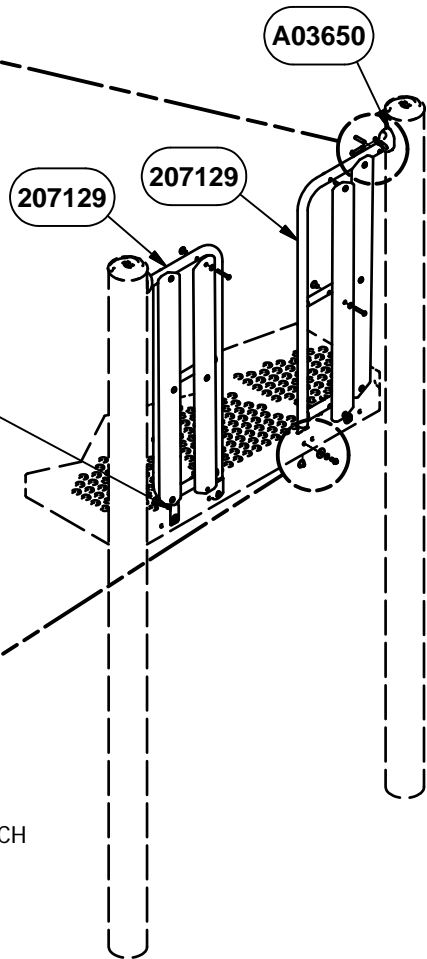
TOP VIEW



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

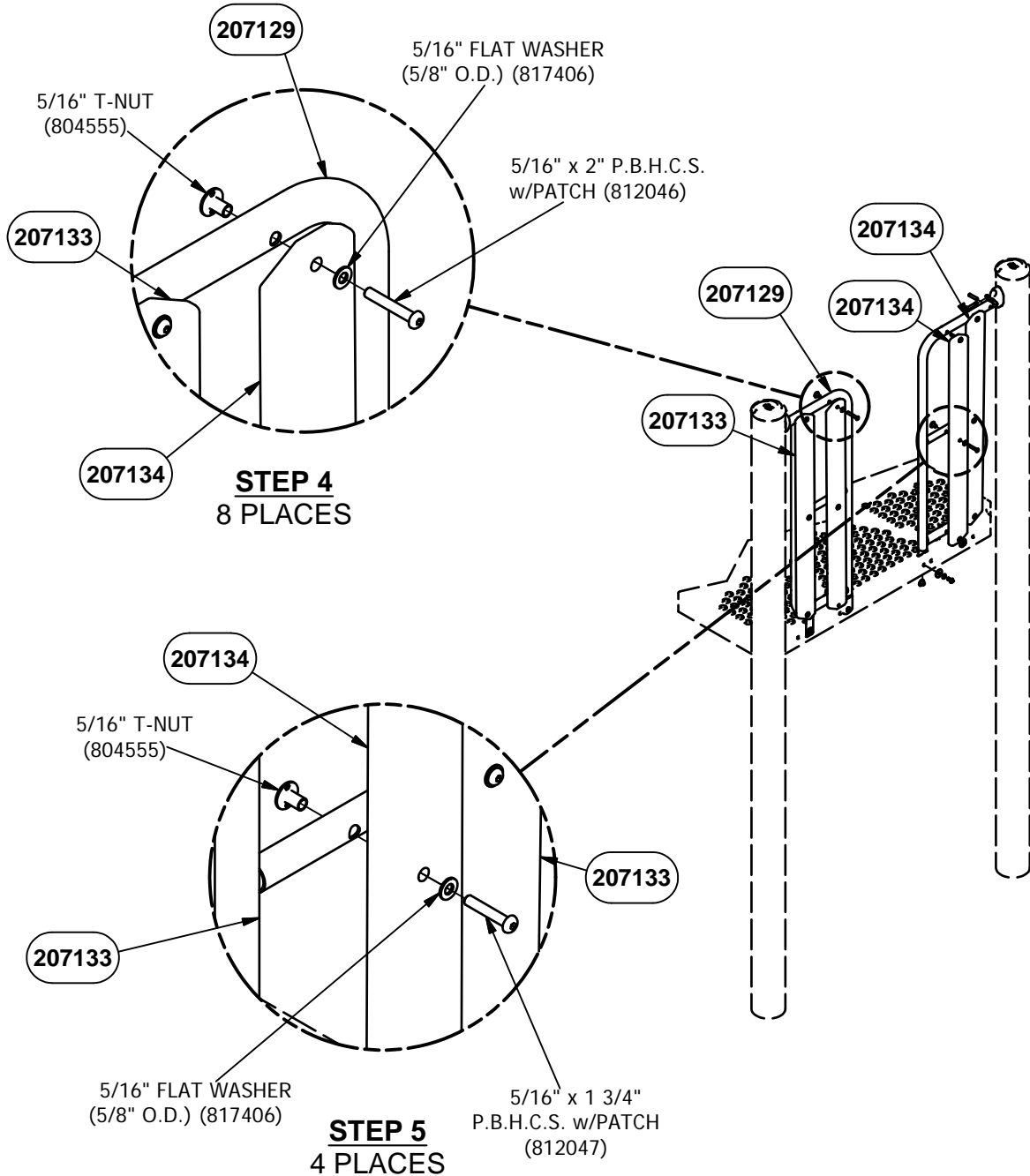
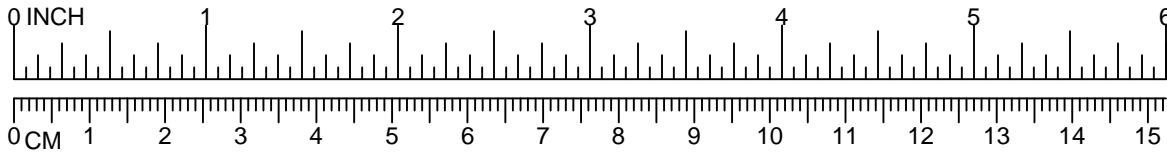
STEP 2
2 PLACES

STEP 1: INSERT TABS OF TIMBER ENTRYWAY WELD ASSEMBLY INTO SLOT OF DECK



STEP 3
4 PLACES

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



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

Parts List		
DESCRIPTION	QTY	PART NUMBER
TIMBER ENTRYWAY WELD ASS'Y	2	207129
TIMBER PACKAGE	1	207457
TIMBER 1	2	207133**
TIMBER 2	2	207134**
TRU-LOC	2	A03650
HARDWARE COMPLETE	1	207136
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	4	812047*
5/16" x 2" P.B.H.C.S. w/PATCH	8	812046*
5/16" FLAT WASHER (5/8" O.D.)	12	817406*
5/16" T-NUT	12	804555*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" LOCK WASHER	6	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" T-NUT	4	804556*
ALUM. PIN	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

PowerScape®

GameTime®

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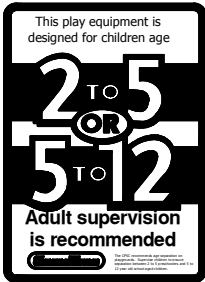
1-800-235-2440

ISSUED/REVISED: 8/4/22

91157 ARCHWAY W/SOCKET TIMBERS

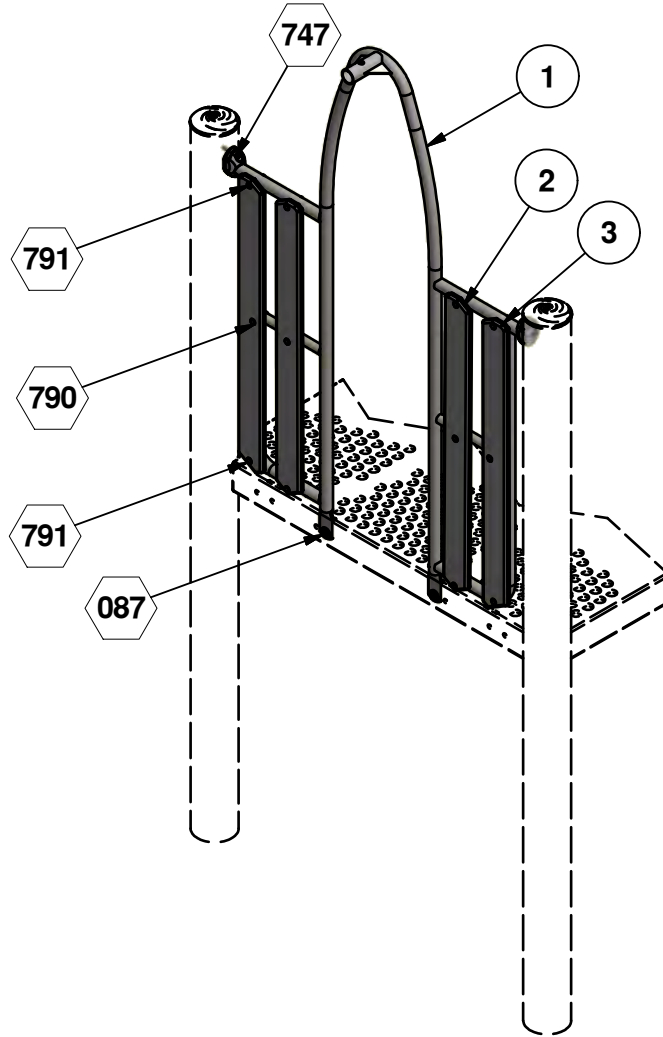
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



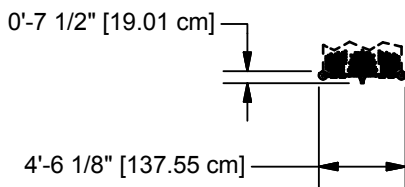
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TIMBER PACKAGE <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
RE <input type="checkbox"/>	DESCRIPTION	PART NUMBER
2	TIMBER 51 GRA <input type="checkbox"/> <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 51 GRA <input type="checkbox"/> <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	ARCHWAY TIMBERS W/SOCKET WELD ASS'Y	1	207365
	TIMBER PAC	1	207464
2	TIMBER 50	2	207368**
3	TIMBER 51	2	207369**
	TRU-LOC	2	03650
	HARDWARE COMPLETE	1	222086
	3/8" LOCK WASHER	4	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055
	3/8" FLAT WASHER 1 1/4" O.D.	2	817424*
	3/8" T-NUT	2	804556*
	5/16" x 1 3/4" P.B.H.C.S. w/PATCH	4	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	8	812046*
	NUT 5/16"- INSERT TYPE 1	12	HWN0149*
	ALUM. PIN	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Pac*

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 should be used on any non-patch hardware.

Powerscape®

GameTime®

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1-800-235-2440

ISSUED/REVISED: 8/4/2022

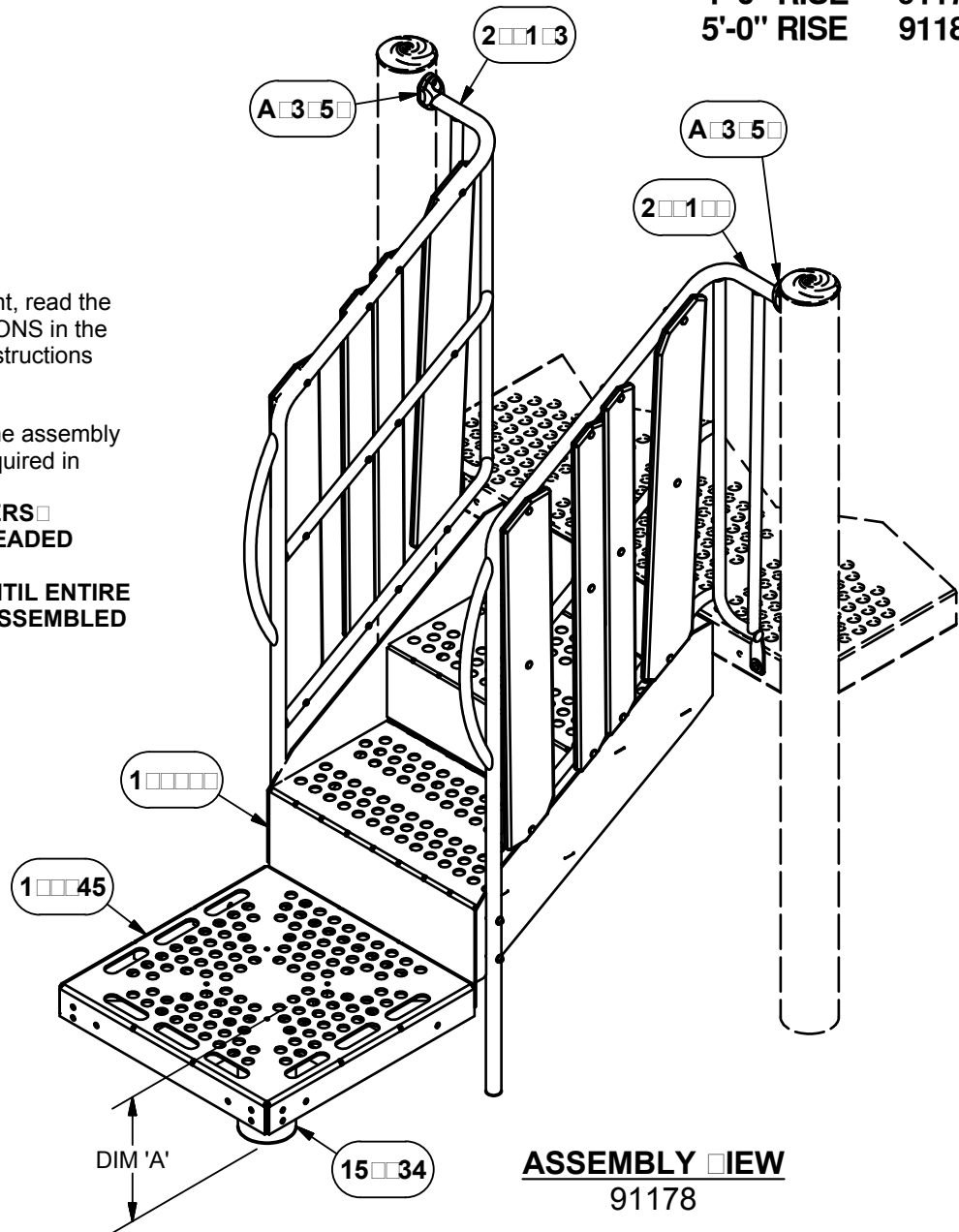
91178 TRANSFER PLATFORM TIMBERS



3'-0" RISE 91178
4'-0" RISE 91179
5'-0" RISE 91180

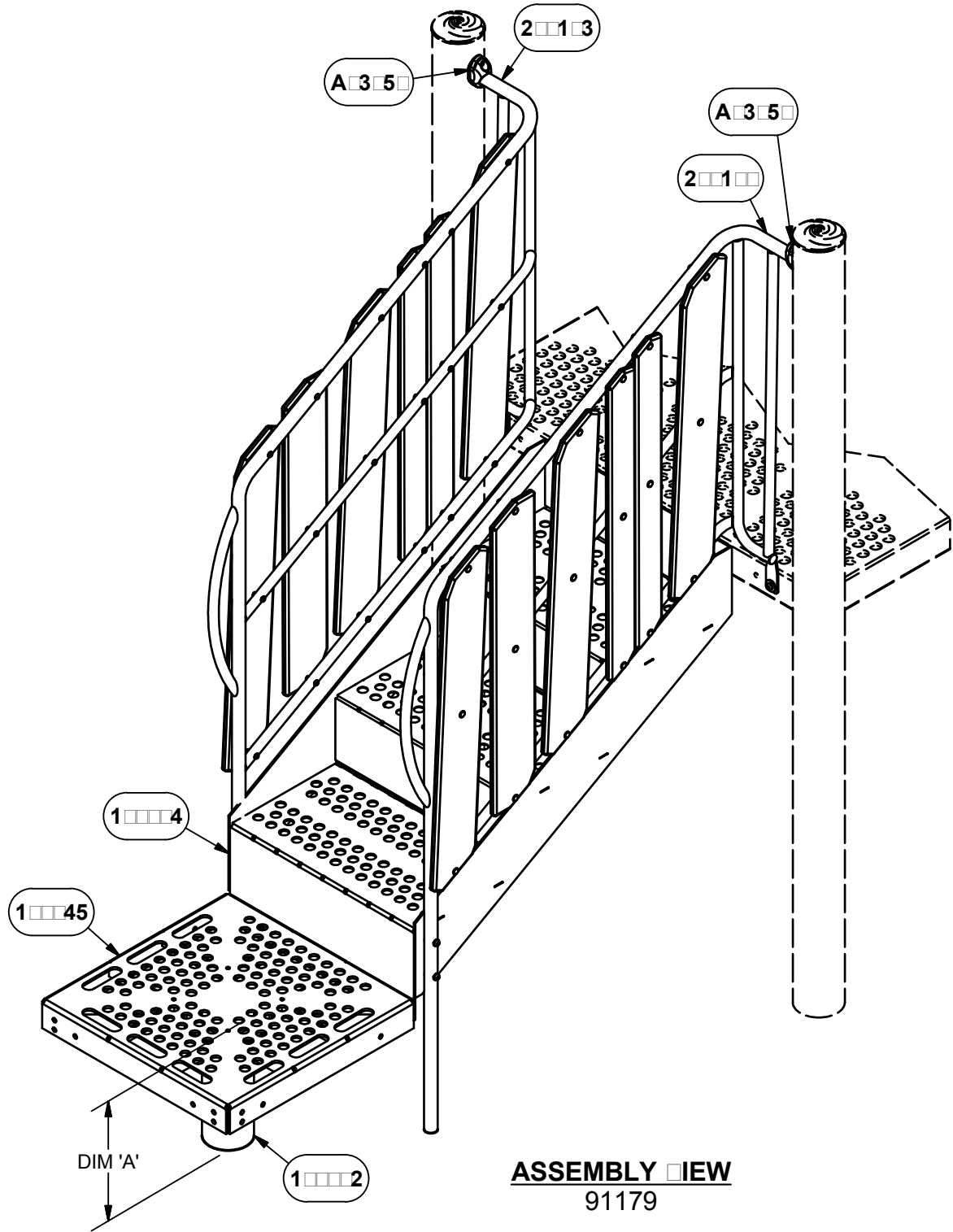
INSTALLATION INSTRUCTIONS

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



COMPONENT	DIM A
1x45	1x45 cm
1x45	1x45 cm
1x45	1x45 cm

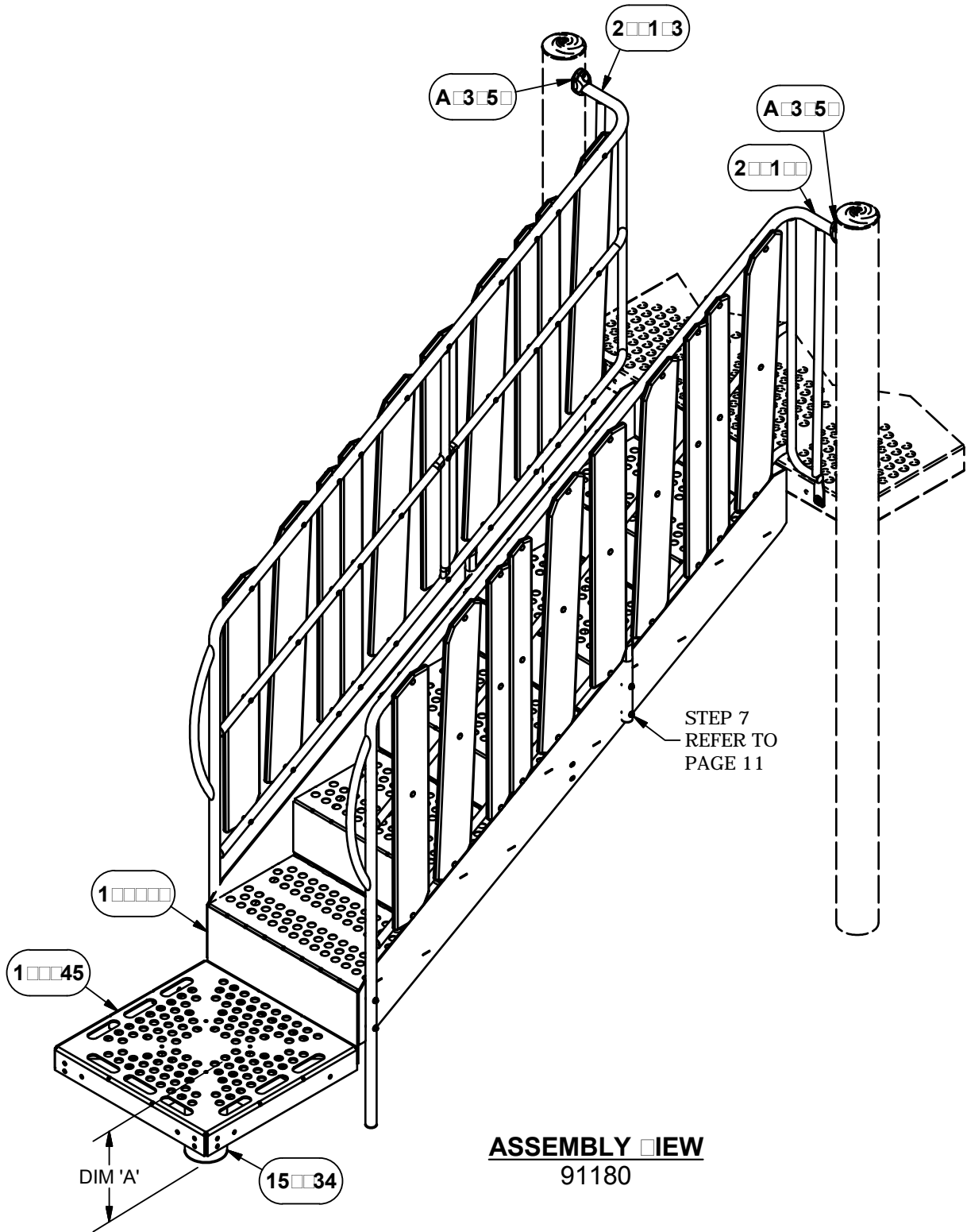
REFER TO
TIMBER LOCATION VIEWS
FOR PROPER TIMBER PLANK
PLACEMENT



ASSEMBLY VIEW
91179

COMPONENT	DIM A
1	1 cm
1	1 cm
1	1 cm

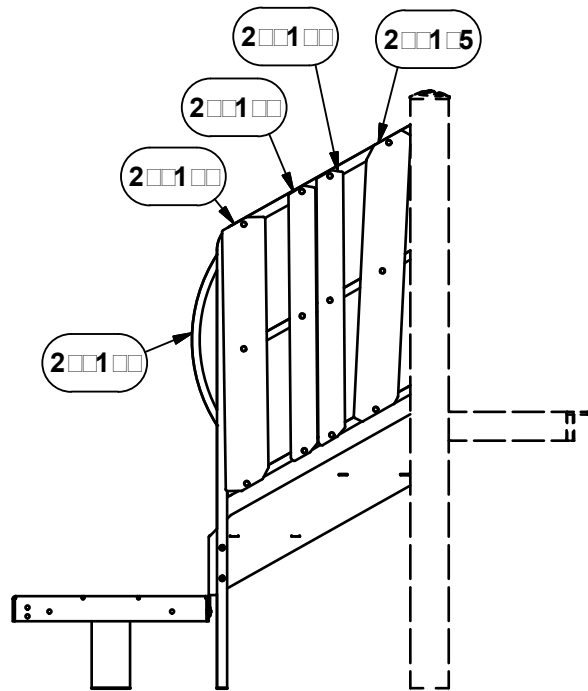
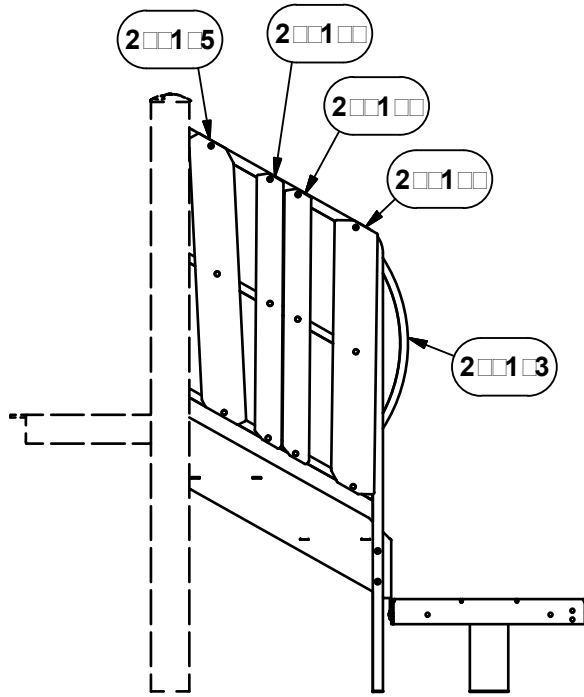
**REFER TO
TIMBER LOCATION VIEWS
FOR PROPER TIMBER PLANK
PLACEMENT**



ASSEMBLY VIEW
91180

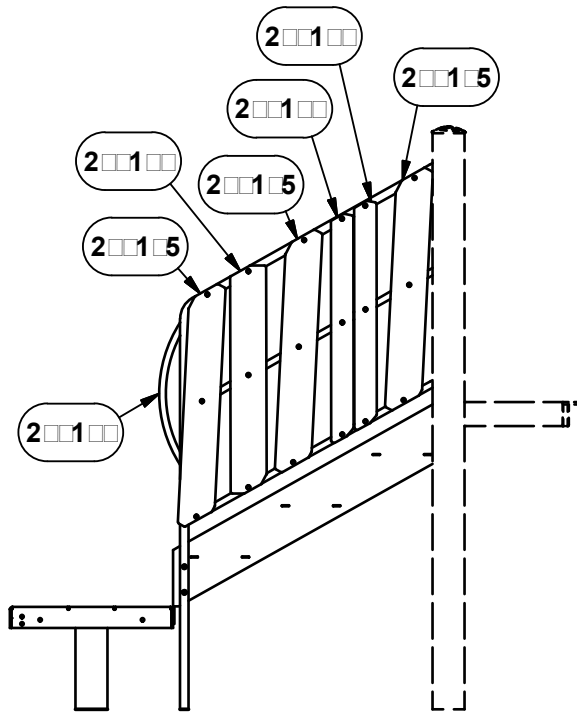
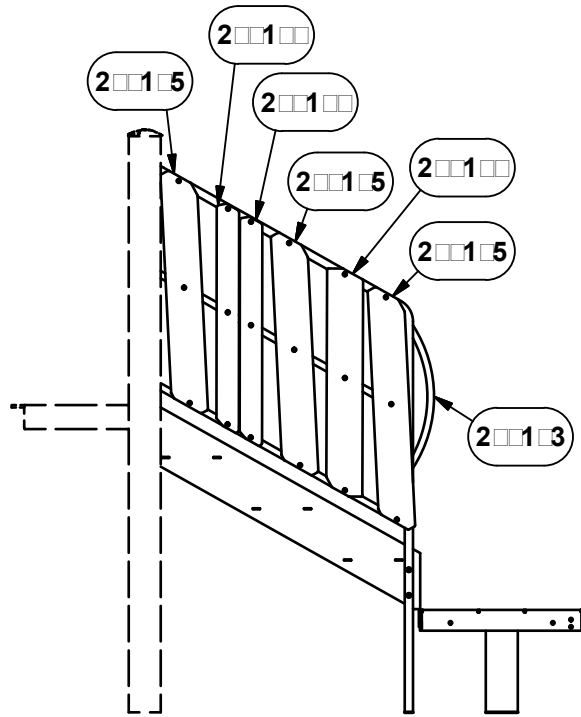
COMPONENT	DIM A
1 1 1	1 1 1 1 1 1 cm
1 1 1	1 1 1 1 1 1 cm
1 1 1	1 1 1 1 1 1 cm

**REFER TO
TIMBER LOCATION VIEWS
FOR PROPER TIMBER PLANK
PLACEMENT**



TIMBER LOCATION VIEWS
91178

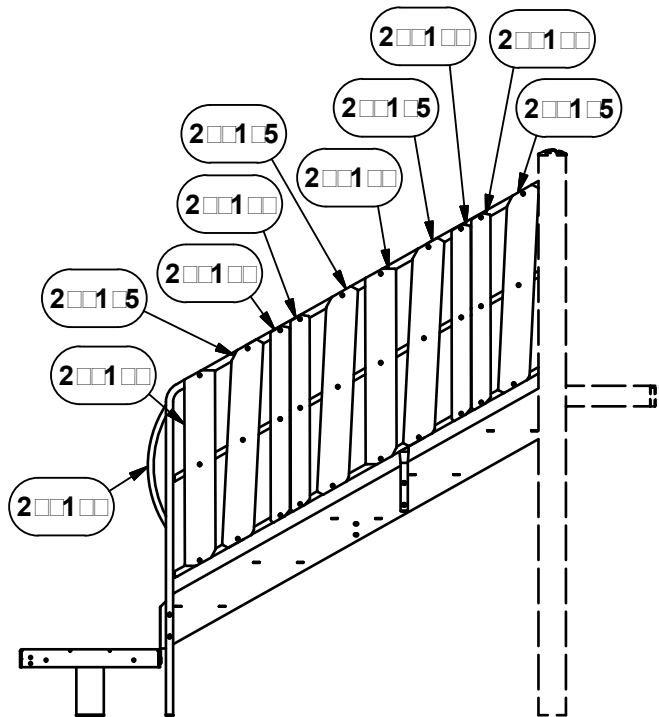
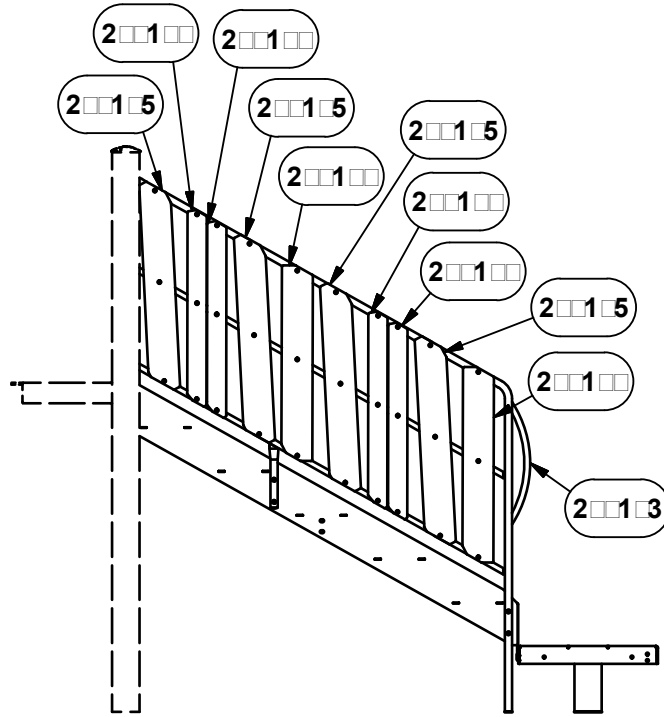
TIMBER PACKAGE 207454	
DESCRIPTION	PART NUMBER
TIMBER 11 SAND	200105
TIMBER 12 GRAY	200100
TIMBER 13 TUDOR BROWN	200100



TIMBER LOCATION IEWS

91179

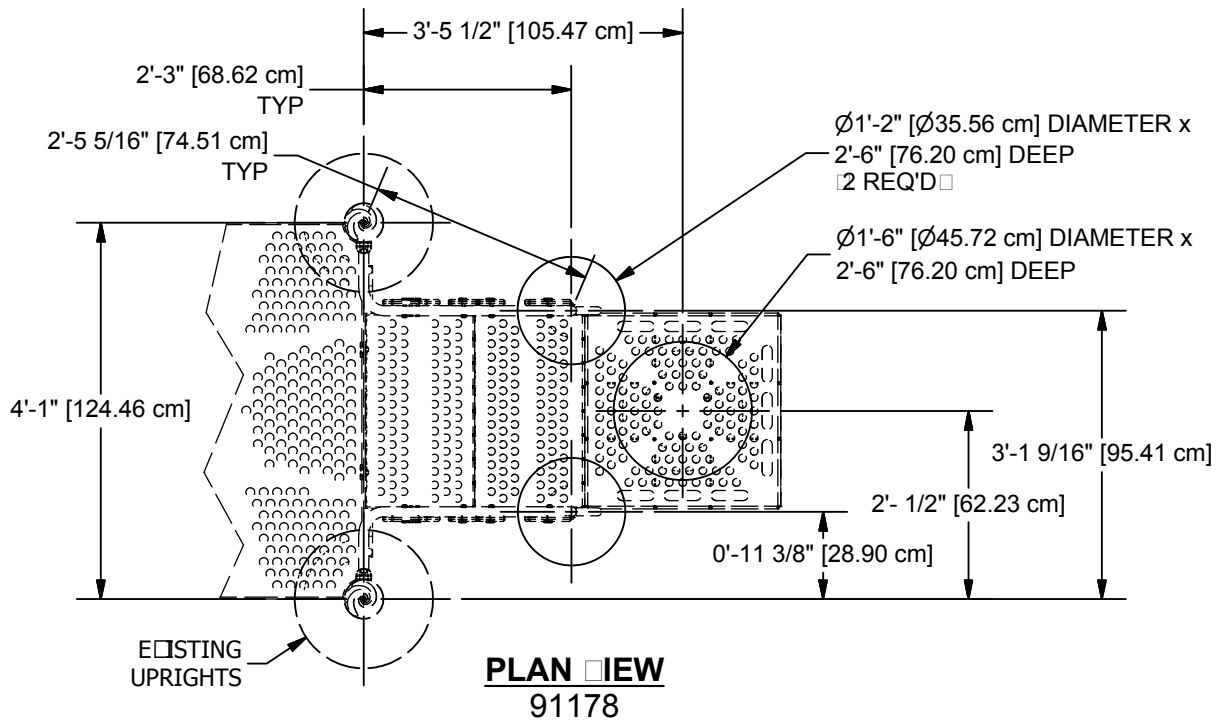
TIMBER PACKAGE 207455	
DESCRIPTION	PART NUMBER
TIMBER 11 SAND	2 1 5
TIMBER 12 GRAY	2 1
TIMBER 1 TUDOR BROWN	2 1



TIMBER LOCATION VIEWS

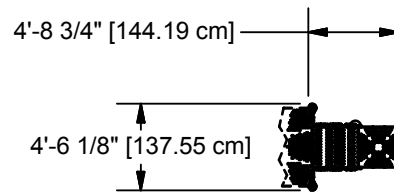
91180

TIMBER PACKAGE 207456	
DESCRIPTION	PART NUMBER
TIMBER 11 SAND	2x1x5
TIMBER 12 GRAY	2x1x3
TIMBER 1 TUDOR BROWN	2x1x5

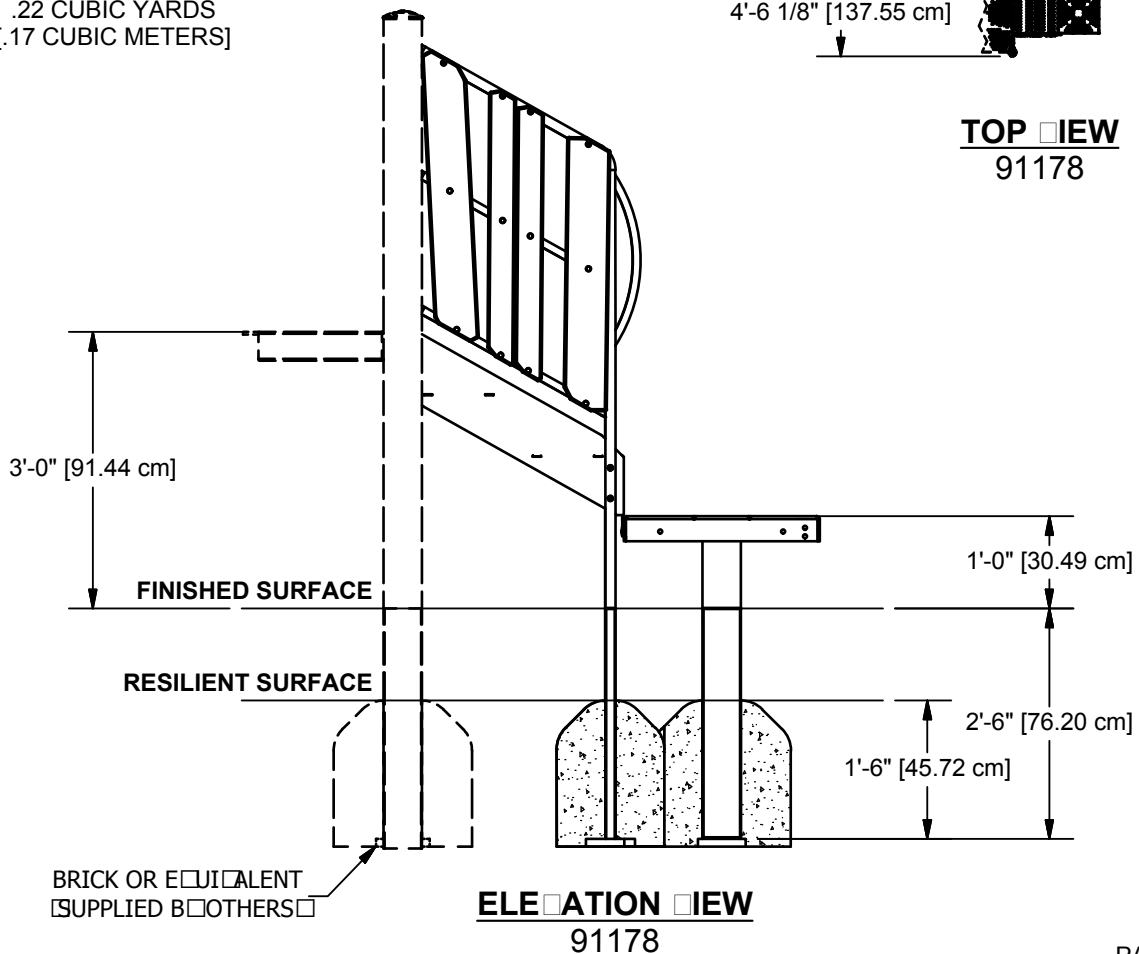


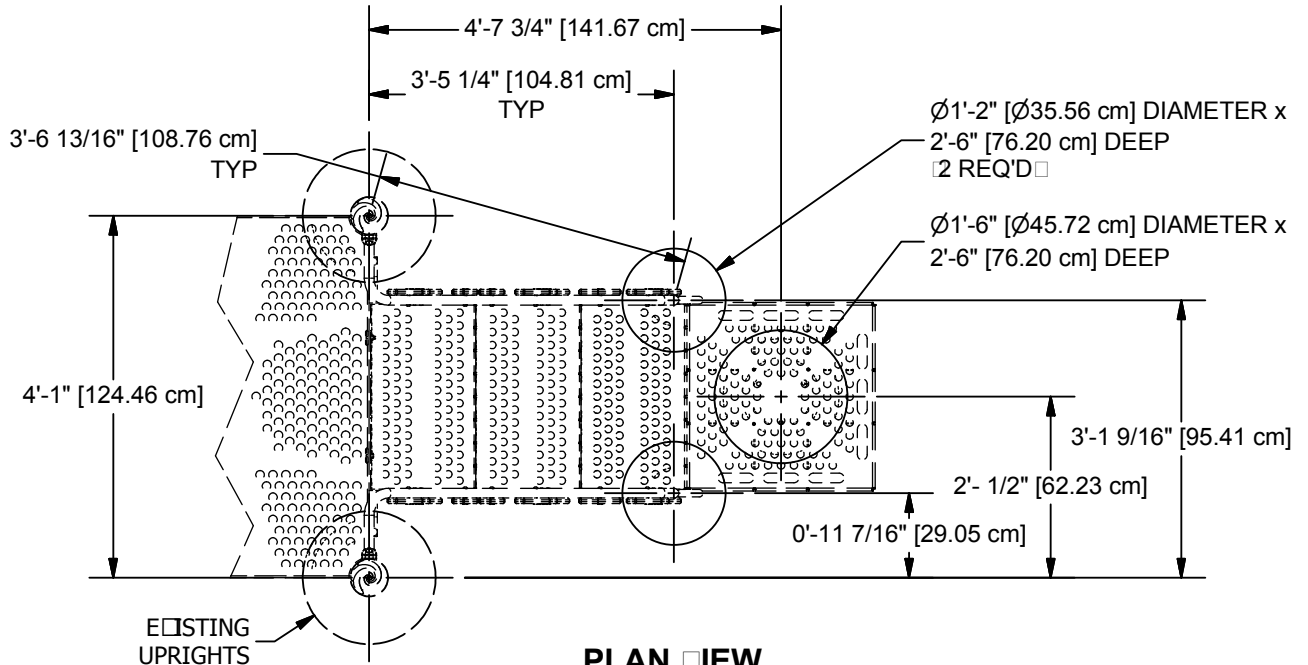
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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



TOP VIEW
91178

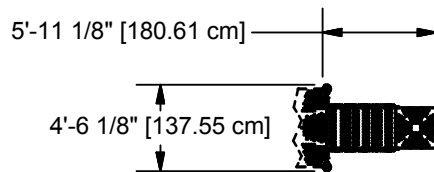




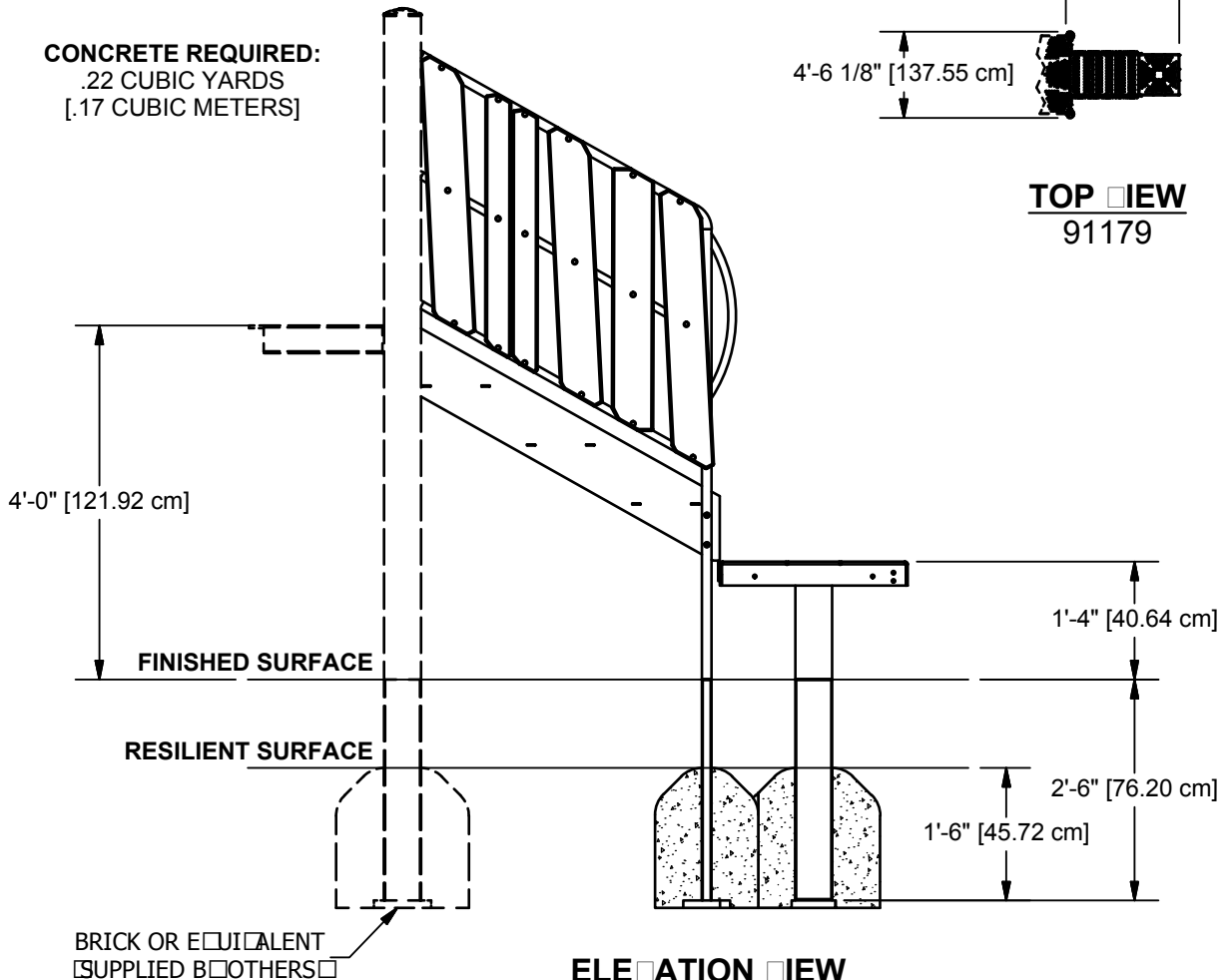
PLAN VIEW
91179

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

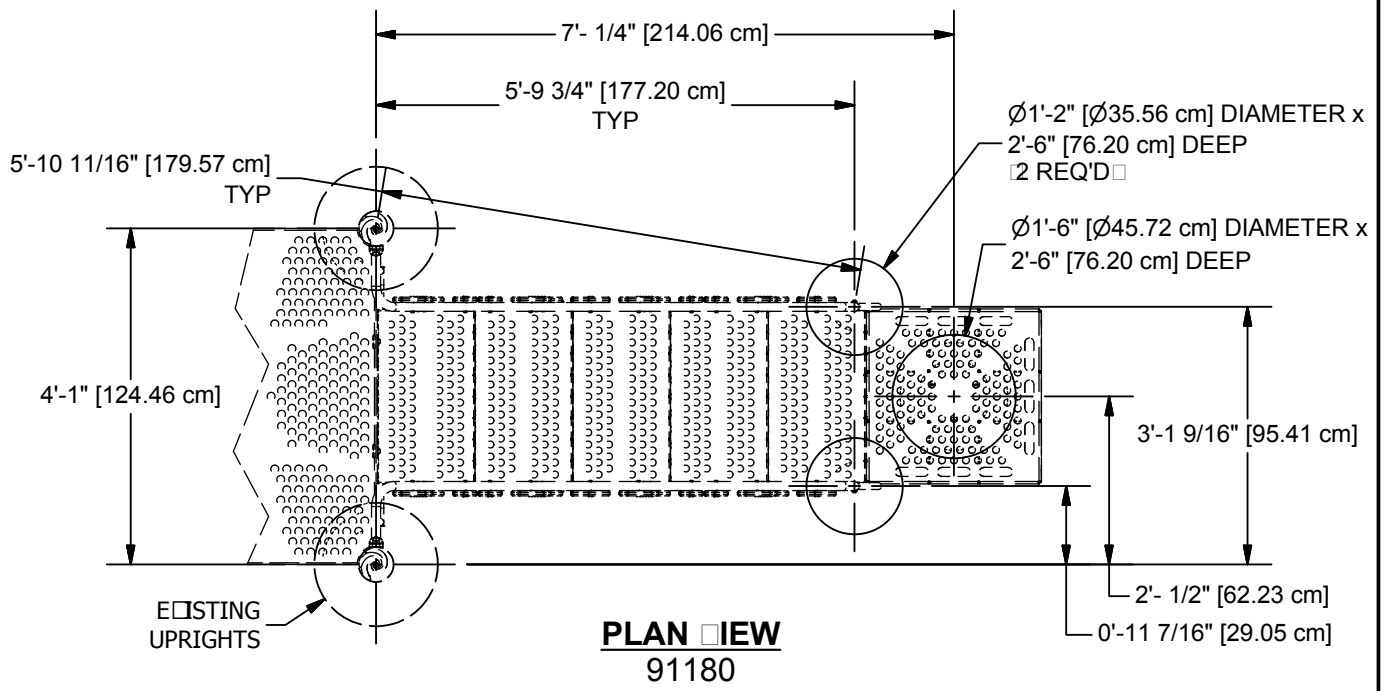
CONCRETE REQUIRED:
.22 CUBIC YARDS
[.17 CUBIC METERS]



TOP VIEW
91179

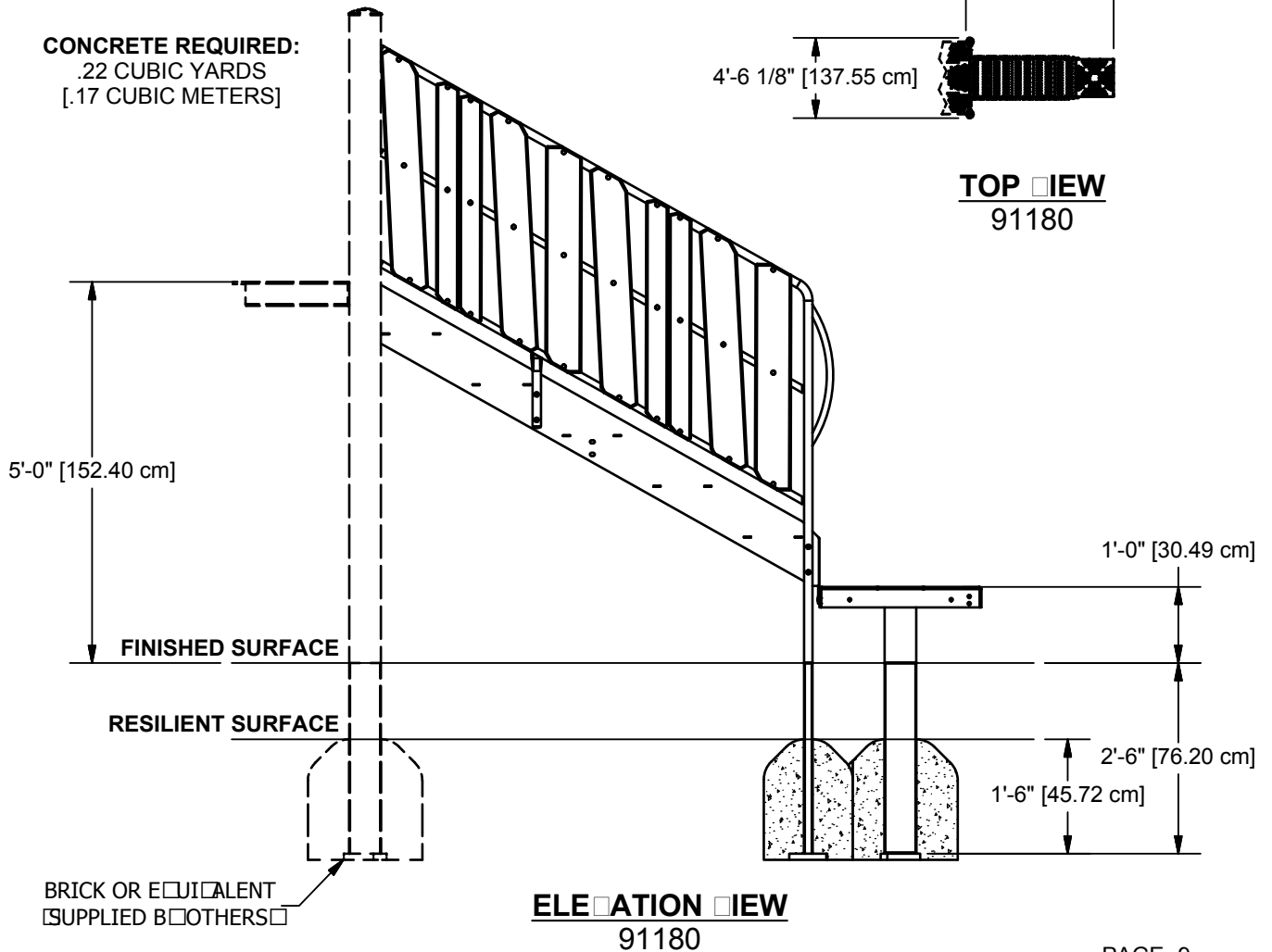
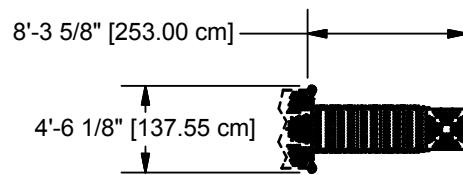


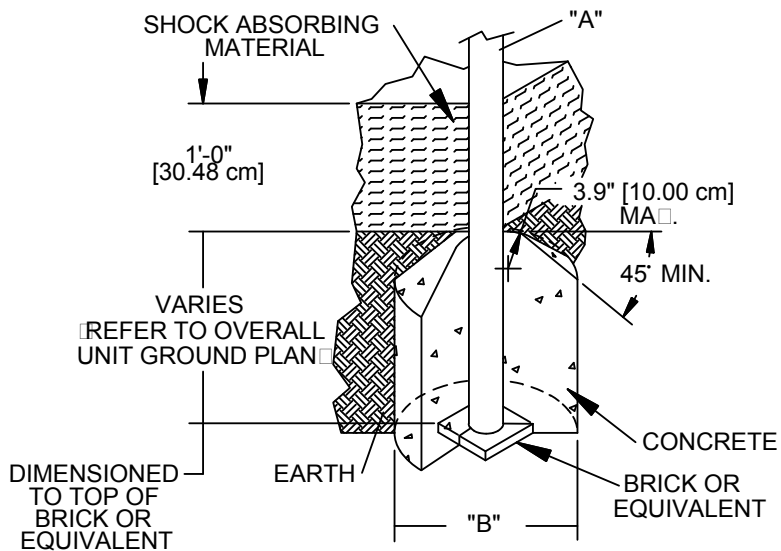
ELEVATION VIEW
91179



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

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





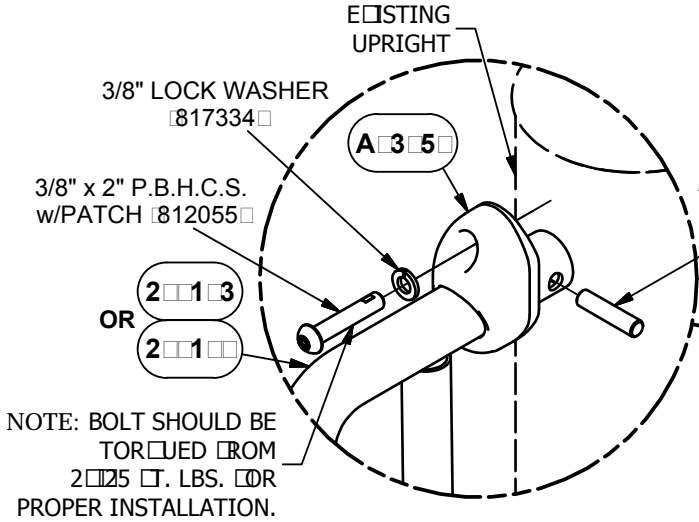
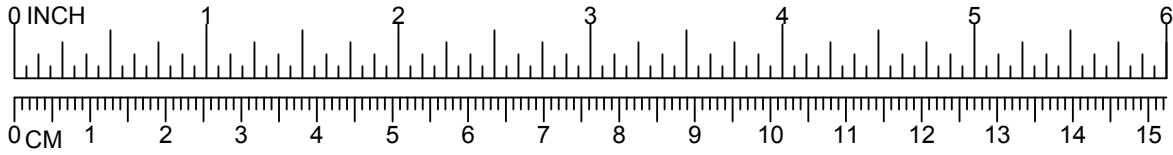
DIA. "A" [PIPE SIZE]	DIA. "B" [FOOTING SIZE]
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

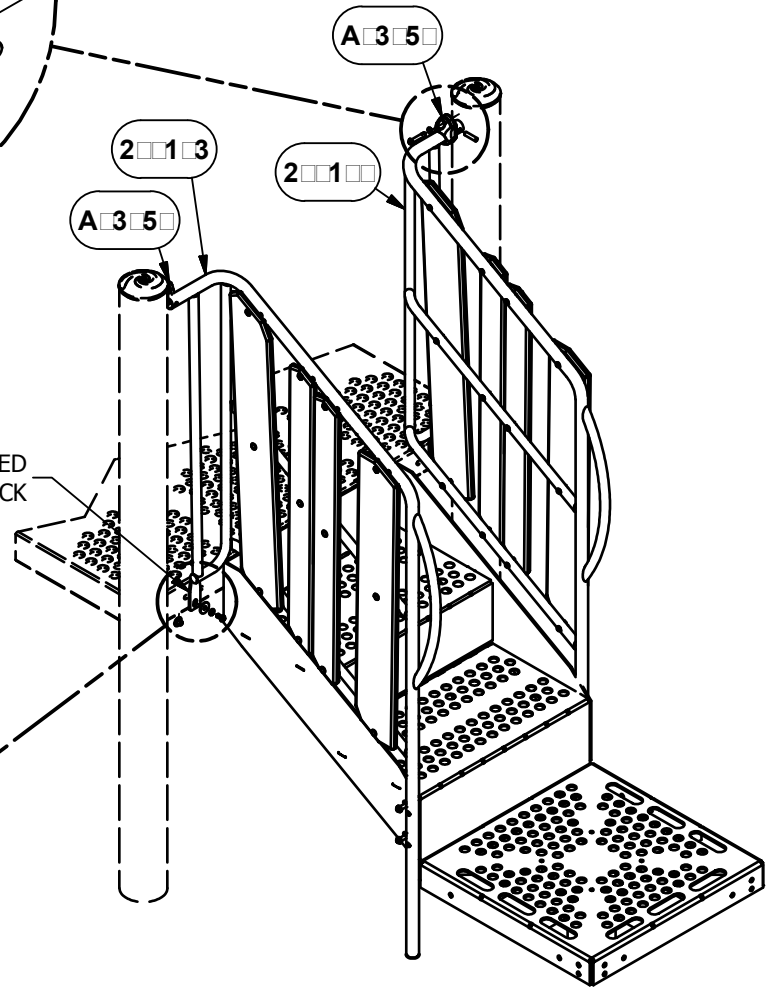
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL

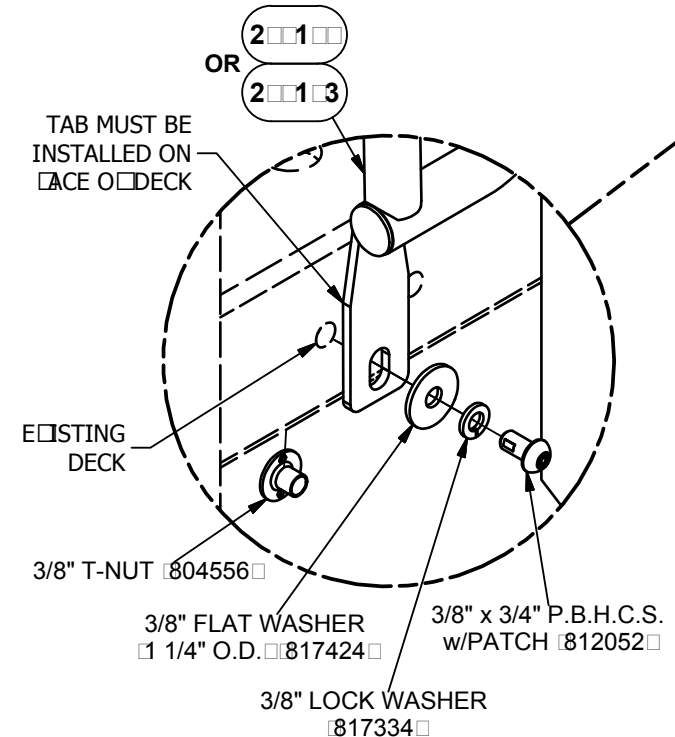


STEP 1
2 PLACES



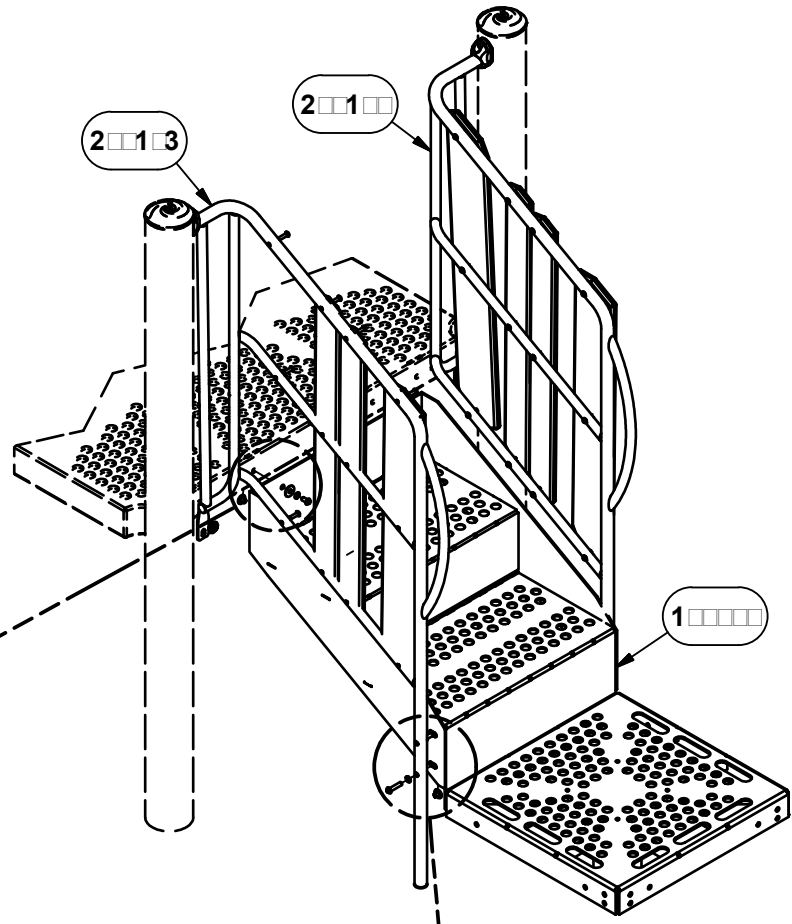
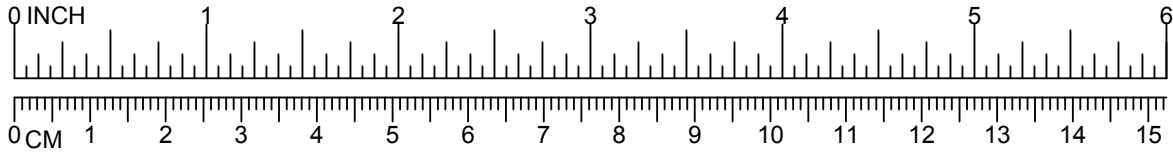
11 SHOWN
OTHERS SIMILAR

**REFER TO PARTS LIST
FOR PROPER PLATFORM
WELD ASSEMBLY
AND STEP ASSEMBLY**

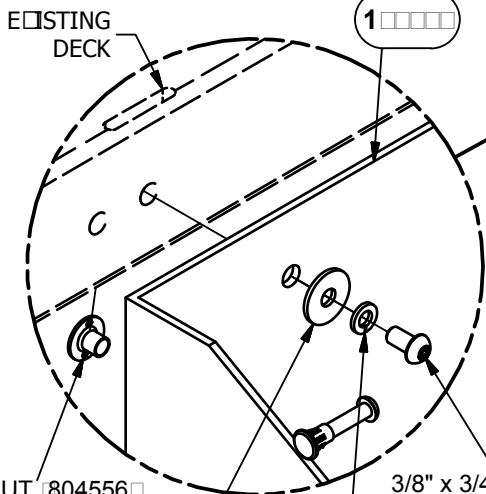


STEP 2
2 PLACES

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

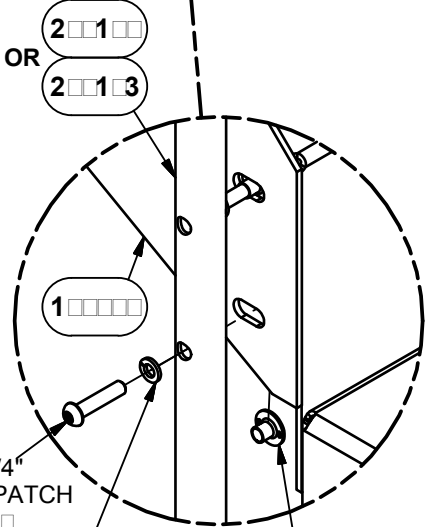


11 SHOWN
OTHERS SIMILAR



- EXISTING DECK
- 3/8" T-NUT [804556]
- 3/8" FLAT WASHER [1 1/4" O.D.] [817424]
- 3/8" LOCK WASHER [817334]
- 3/8" x 3/4" P.B.H.C.S. w/PATCH [812052]

STEP 3
2 PLACES

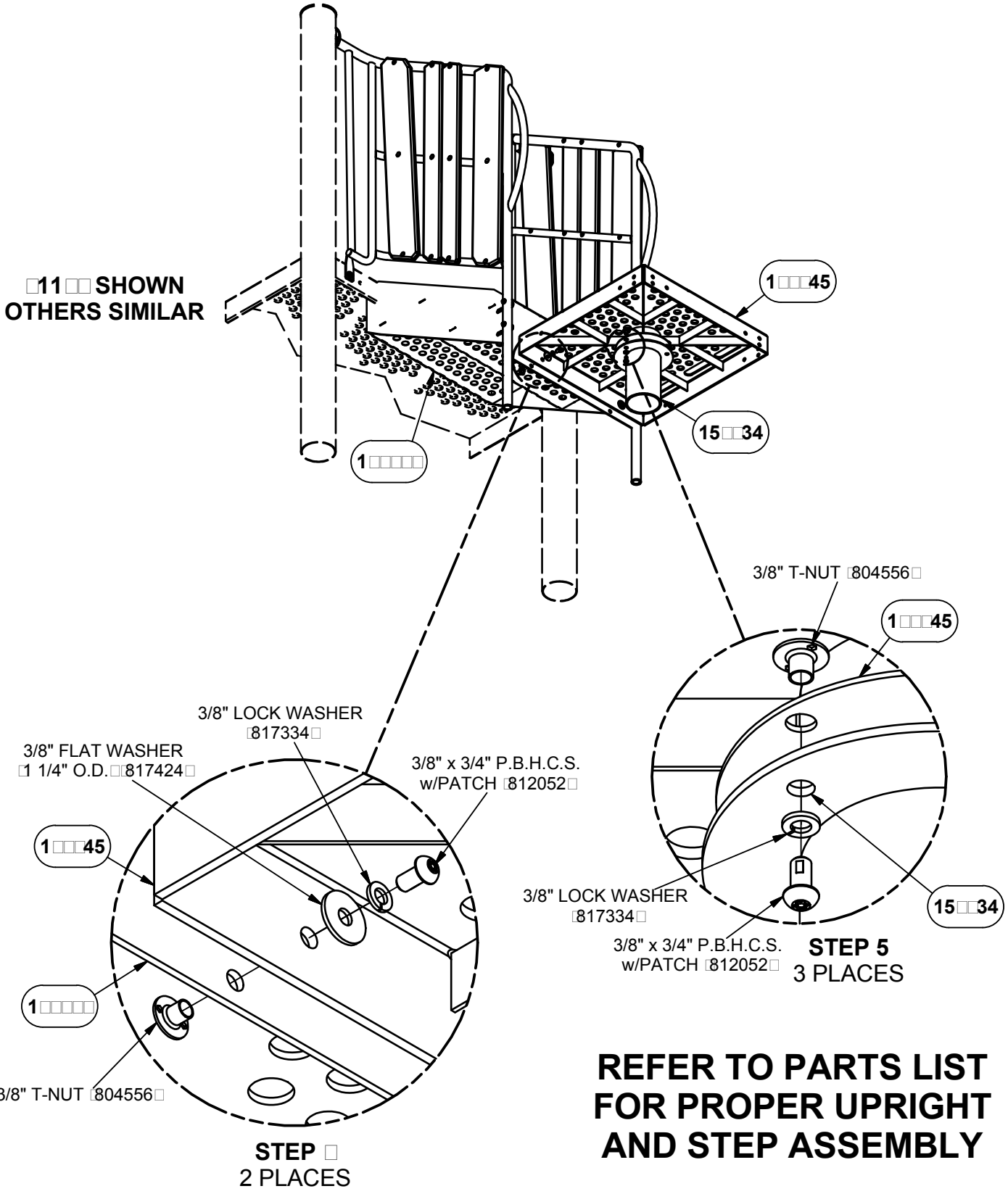
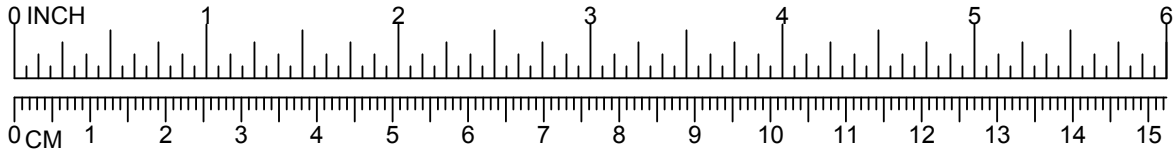


- OR
- 3/8" x 1 3/4" P.B.H.C.S. w/PATCH [812054]
- 3/8" LOCK WASHER [817334]
- 3/8" T-NUT [804556]

STEP 4
4 PLACES

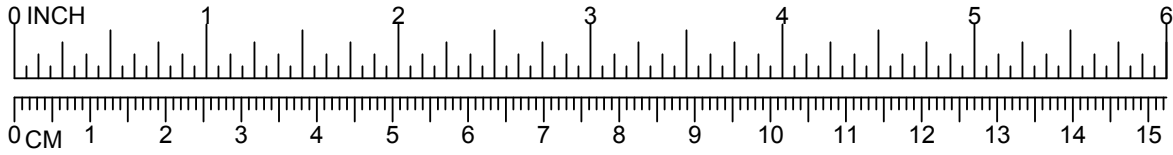
**REFER TO PARTS LIST
FOR PROPER PLATFORM
WELD ASSEMBLY
AND STEP ASSEMBLY**

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

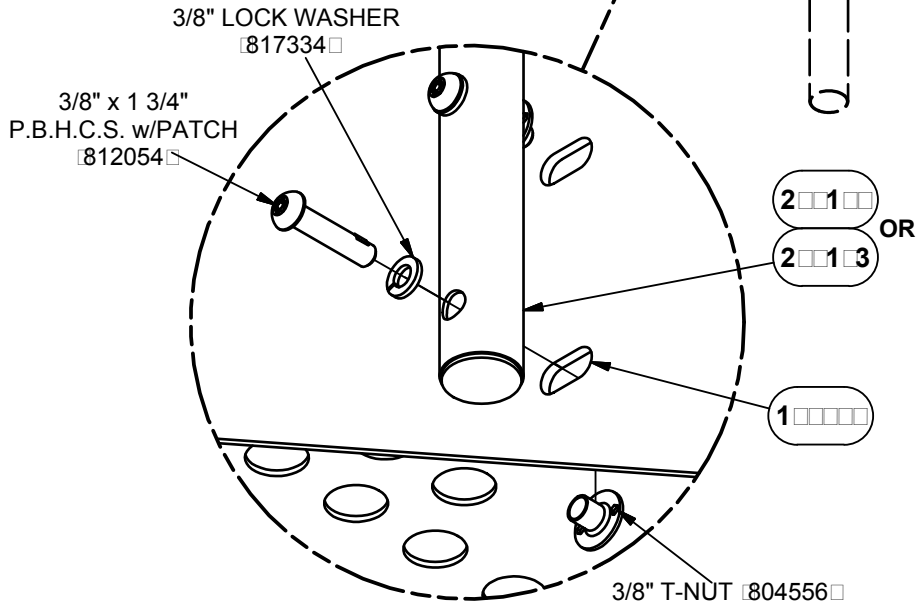
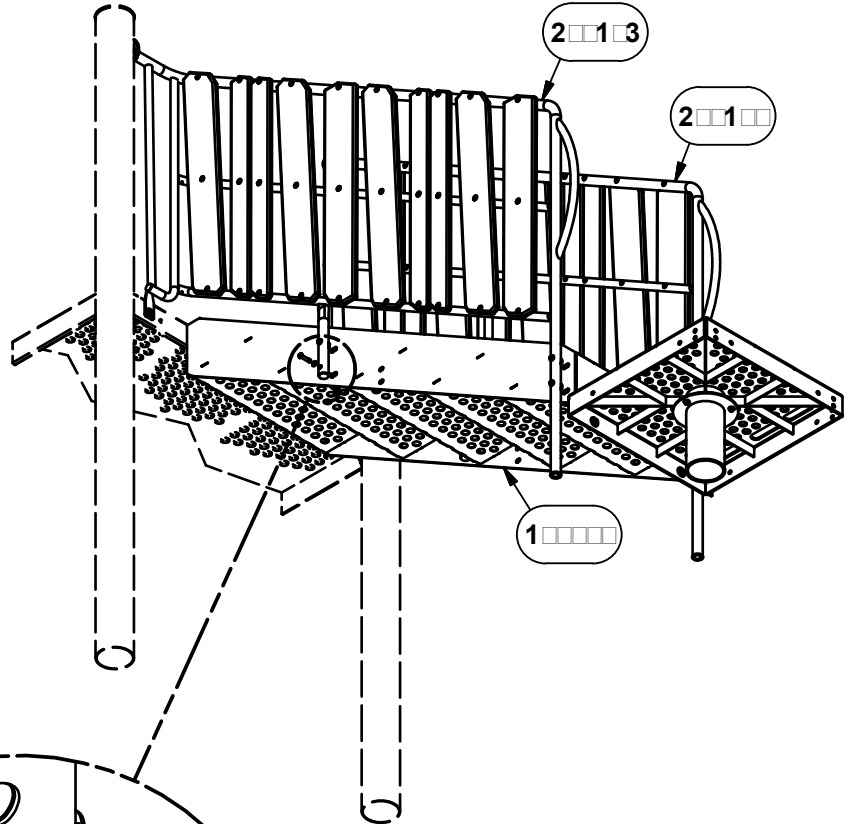


**REFER TO PARTS LIST
FOR PROPER UPRIGHT
AND STEP ASSEMBLY**

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



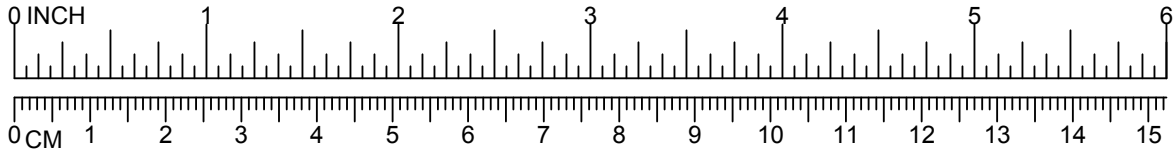
**STEP [] IS FOR
[]11 [] ONLY**



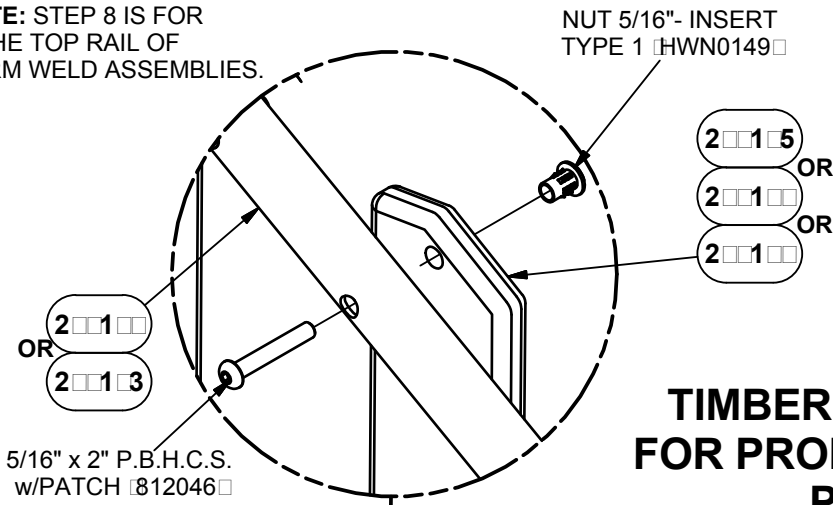
**STEP []
[]11 [] ONLY
4 PLACES**

**REFER TO PARTS LIST
FOR PROPER PLATFORM
WELD ASSEMBLY
AND STEP ASSEMBLY**

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



NOTE: STEP 8 IS FOR THE TOP RAIL OF PLATFORM WELD ASSEMBLIES.

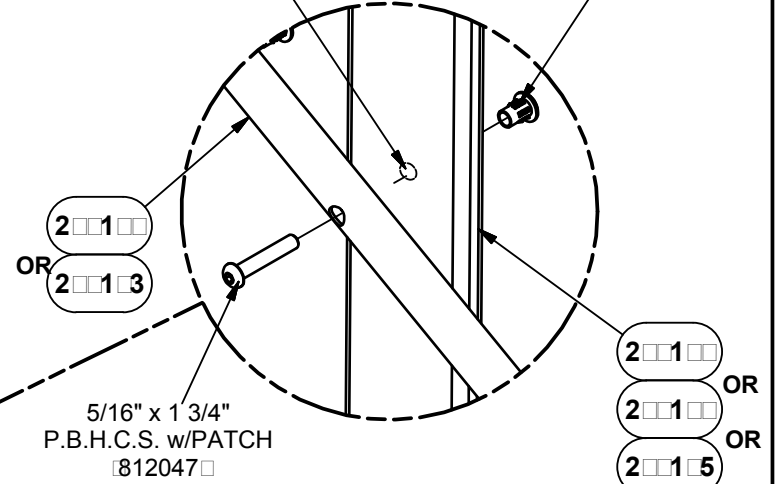


REFER TO TIMBER LOCATION SHEETS FOR PROPER TIMBER PLANK PLACEMENT

STEP 8
 91178 - 8 PLACES
 91179 - 12 PLACES
 91180 - 20 PLACES

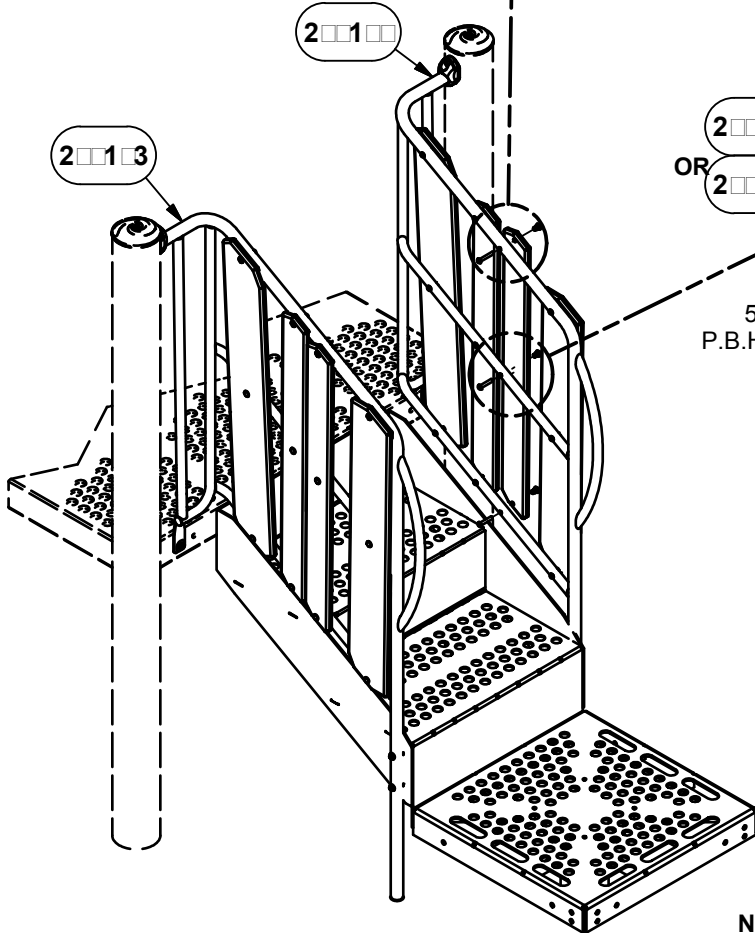
DRILL 1/2" HOLE USING RAIL AS TEMPLATE (CENTER RAIL ONLY)

NUT 5/16" - INSERT TYPE 1 #HWN0149



STEP 9
 91178 - 16 PLACES
 91179 - 24 PLACES
 91180 - 40 PLACES

NOTE: STEP 9 IS FOR THE BOTTOM AND CENTER RAILS OF PLATFORM WELD ASSEMBLIES.



REFER TO PARTS LIST FOR PROPER PLATFORM WELD ASSEMBLY

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

Parts List				
DESCRIPTION	91178	91179	91180	PART NUMBER
RIGHT TRANSFER PLATFORM WELD ASSEMBLY	1	0	0	207168
RIGHT TRANSFER PLATFORM WELD ASSEMBLY	0	1	0	207178
RIGHT TRANSFER PLATFORM WELD ASSEMBLY	0	0	1	207190
LEFT TRANSFER PLATFORM WELD ASSEMBLY	1	0	0	207163
LEFT TRANSFER PLATFORM WELD ASSEMBLY	0	1	0	207173
LEFT TRANSFER PLATFORM WELD ASSEMBLY	0	0	1	207183
STEP ASS'Y	1	0	0	160670
STEP ASS'Y	0	1	0	160674
STEP ASS'Y	0	0	1	160667
COATED PLATFORM	1	1	1	160645
UPRIGHT ASS'Y	1	0	1	157034
UPRIGHT ASS'Y	0	1	0	160662
TRU-LOC	2	2	2	A03650
TIMBER PAC AGE	1	0	0	207454
TIMBER 11	2	0	0	207195**
TIMBER 12	4	0	0	207196**
TIMBER 13	2	0	0	207197**
TIMBER PAC AGE	0	1	0	207455
TIMBER 11	0	6	0	207195**
TIMBER 12	0	4	0	207196**
TIMBER 13	0	2	0	207197**
TIMBER PAC AGE	0	0	1	207456
TIMBER 11	0	0	8	207195**
TIMBER 12	0	0	8	207196**
TIMBER 13	0	0	4	207197**
HARDWARE COMPLETE	1	0	0	222073
HARDWARE COMPLETE	0	1	0	222074
HARDWARE COMPLETE	0	0	1	222075
3/8" x 3/4" P.B.H.C.S. w/PATCH	9	9	9	812052*
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	8	812054*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	812055*
3/8" FLAT WASHER 1 1/4" O.D.	6	6	6	817424*
3/8" LOCK WASHER	15	15	19	817334*
3/8" T-NUT	13	13	17	804556*
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	16	24	40	812047*
5/16" x 2" P.B.H.C.S. w/PATCH	8	12	20	812046*
NUT 5/16"- INSERT TYPE 1	24	36	60	HWN0149*
ALUM. PIN	2	2	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

** Included in er ac a e

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

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

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

MAINTENANCE PROCEDURE:

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



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 8/4/22

TRANSFER SYSTEM TIMBERS

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

1'-0" RISE	91200
2'-0" RISE	91201
2'-6" RISE	91202
3'-0" RISE	91203
4'-0" RISE	91204



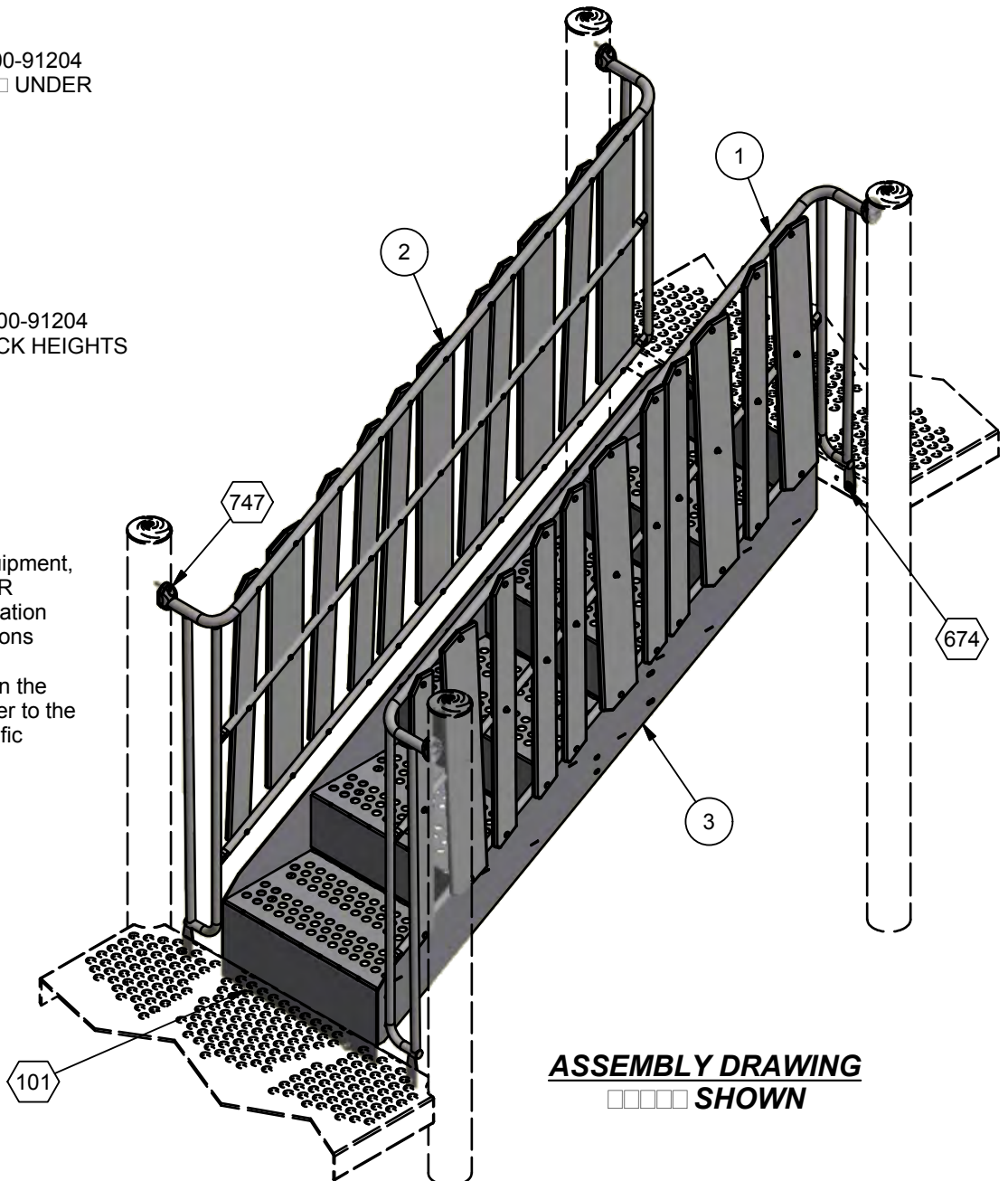
91200-91204
5'-0" □ UNDER



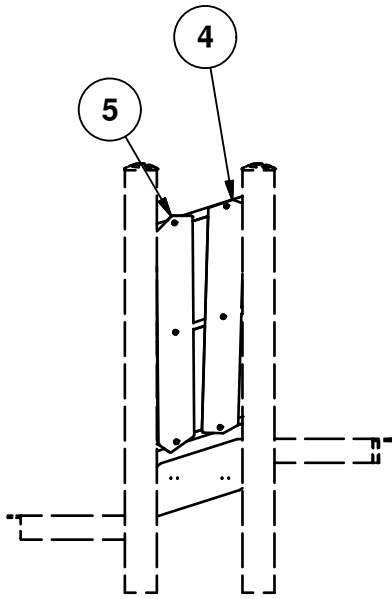
91200-91204
ALL DECK HEIGHTS

INSTALLATION INSTRUCTIONS

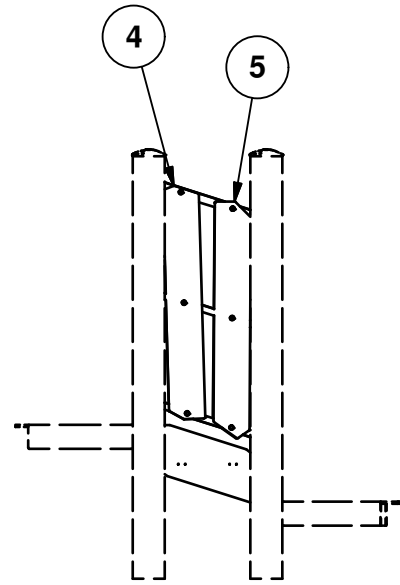
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet. Follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING
□□□□ **SHOWN**



RIGHT

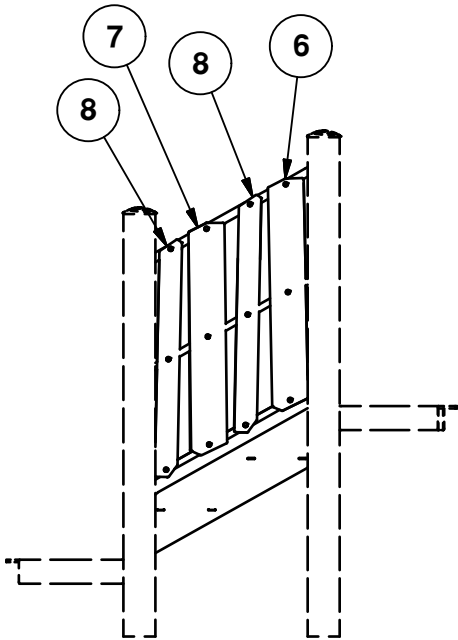


LEFT

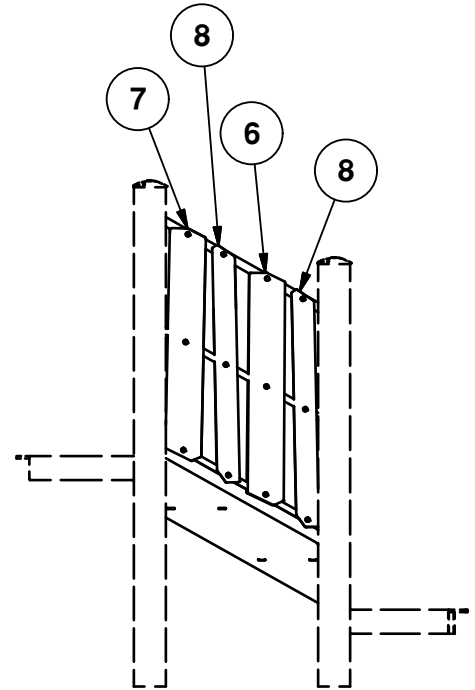
TIMBER PACKAGE 2□□□□□		
RE□	DESCRIPTION	PART NUMBER
□	TIMBER □ □ SAND□	2□□□□
5	TIMBER □ □ JUDOR BROWN□	2□□□□

TIMBER LOCATION

□□□□□ **SHOWN**



RIGHT

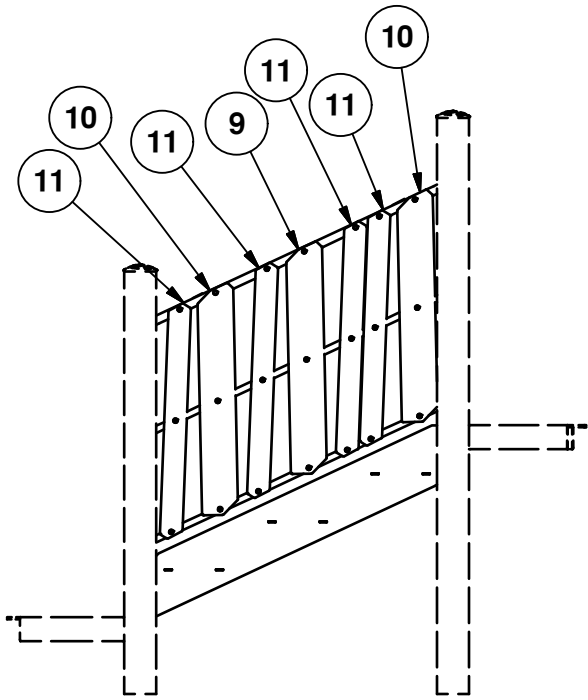


LEFT

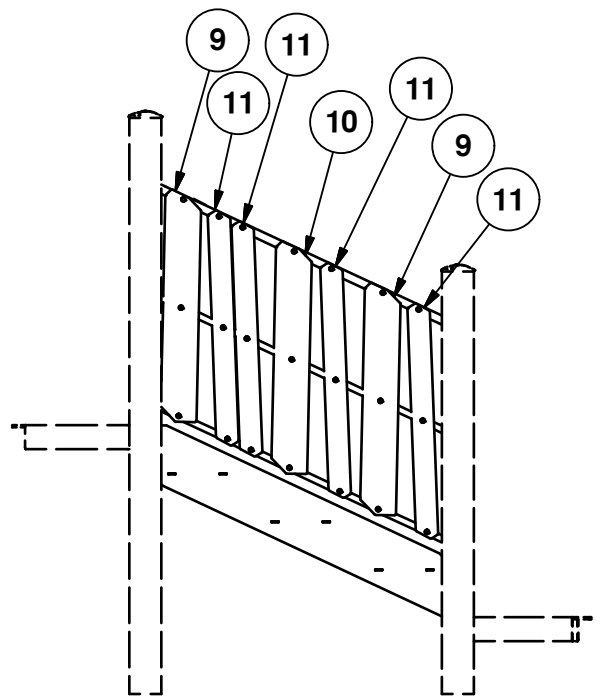
TIMBER PACKAGE 2□□□□□		
RE□	DESCRIPTION	PART NUMBER
□	TIMBER □□ SAND□	2□□□□
□	TIMBER □□ JUDOR BROWN□	2□□□□
□	TIMBER □ □ GRA□□	2□□□□

TIMBER LOCATION

□□□□□ **SHOWN**



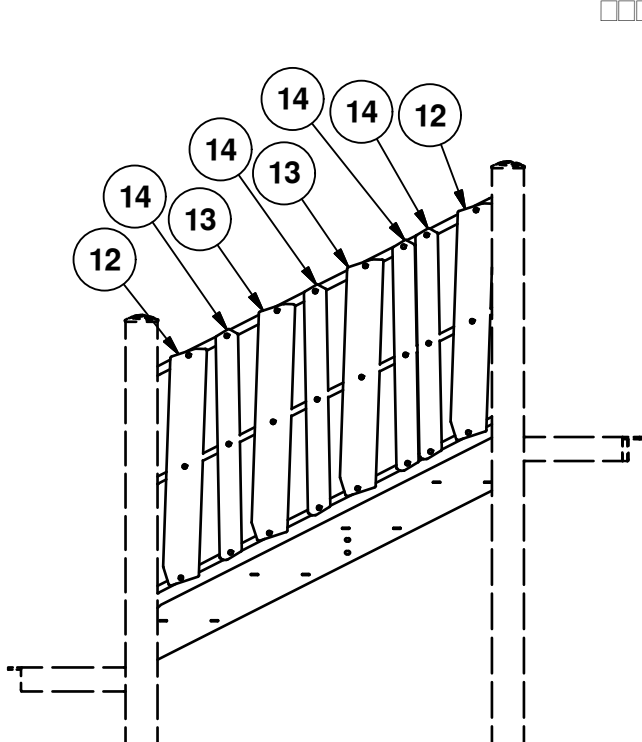
RIGHT



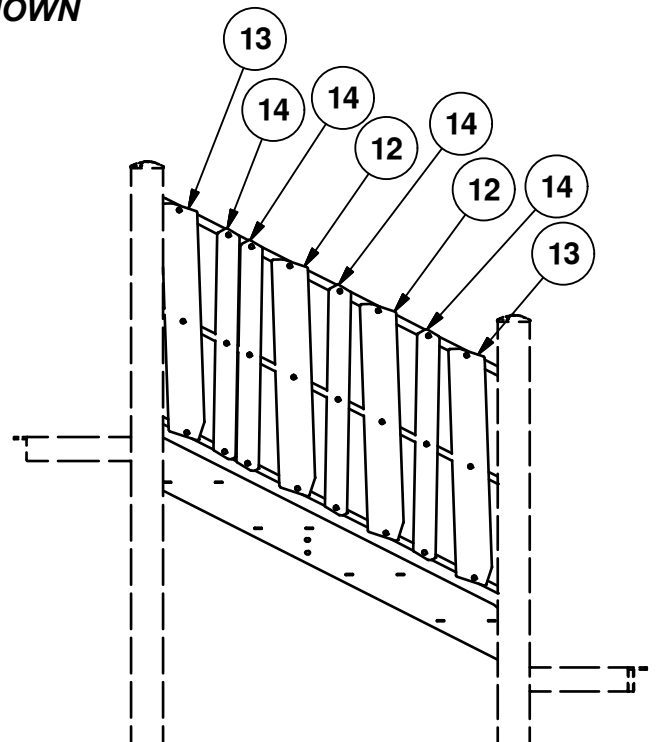
LEFT

TIMBER PACKAGE 20050		
RE	DESCRIPTION	PART NUMBER
1	TIMBER SAND	20020
1	TIMBER TUDOR BROWN	20020
11	TIMBER GRAB	20025

TIMBER LOCATION
 SHOWN



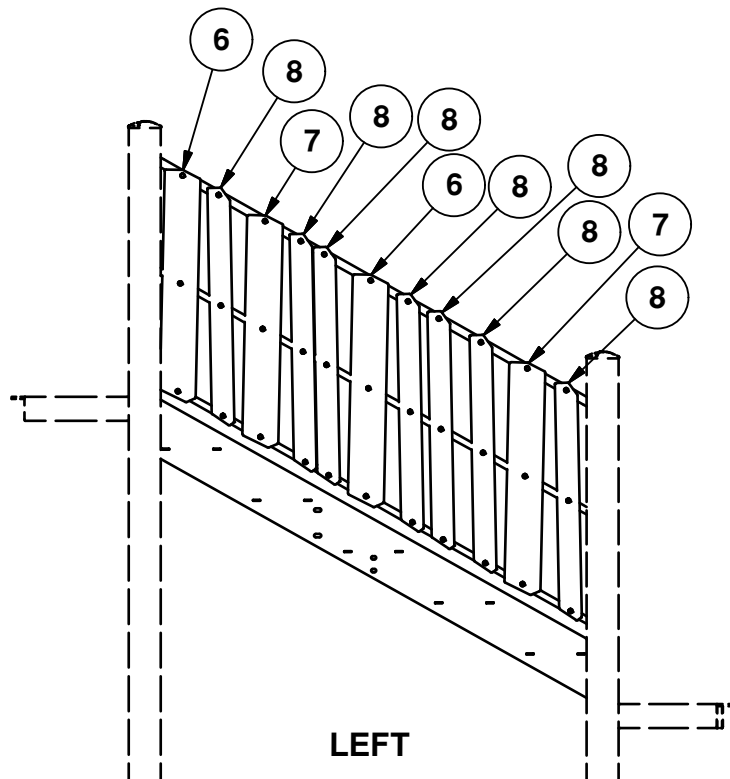
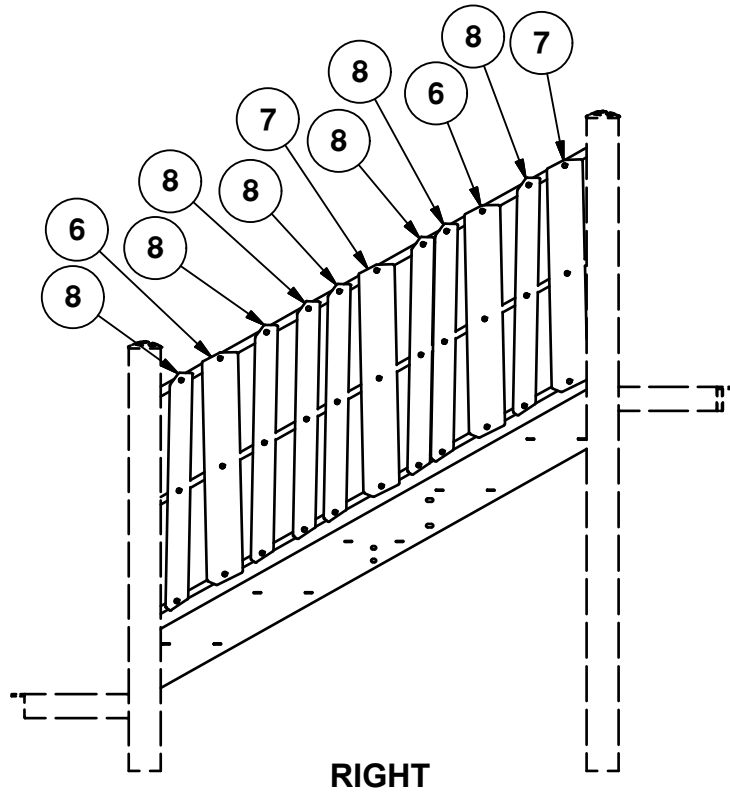
RIGHT



LEFT

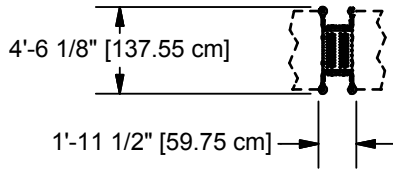
TIMBER PACKAGE 20051		
RE	DESCRIPTION	PART NUMBER
12	TIMBER SAND	20000
1	TIMBER TUDOR BROWN	20005
1	TIMBER GRAB	20000

TIMBER LOCATION
 SHOWN

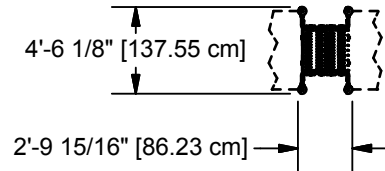


TIMBER PACKAGE 20052		
RE	DESCRIPTION	PART NUMBER
□	TIMBER □□SAND□	2□2□
□	TIMBER □□TUDOR BROWN□	2□2□
□	TIMBER □□GRA□	2□2□

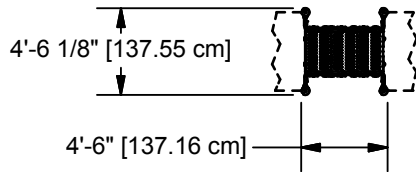
TIMBER LOCATION
 □□□□ SHOWN



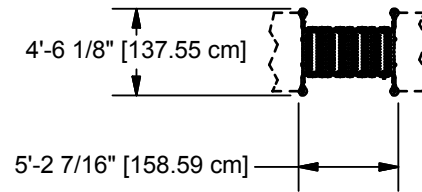
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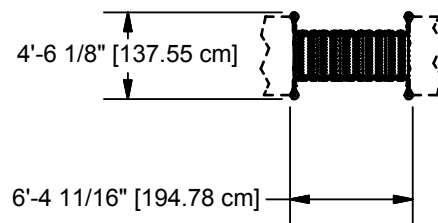
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12

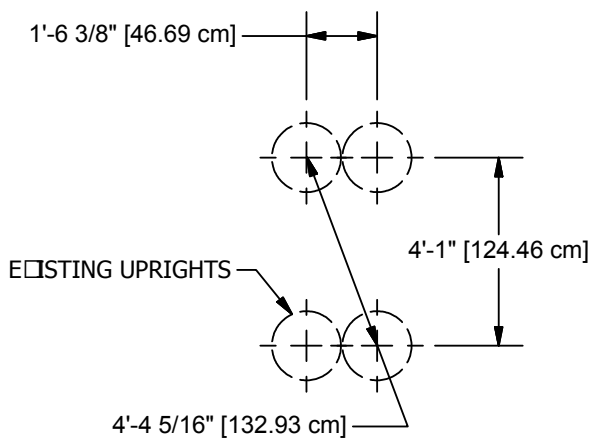


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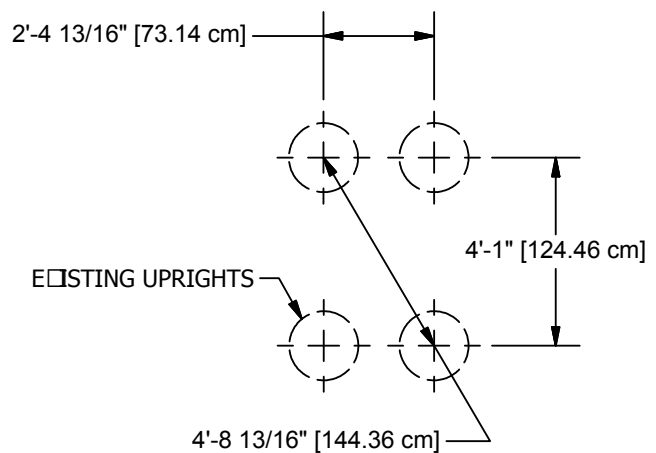


12

TOP VIEWS

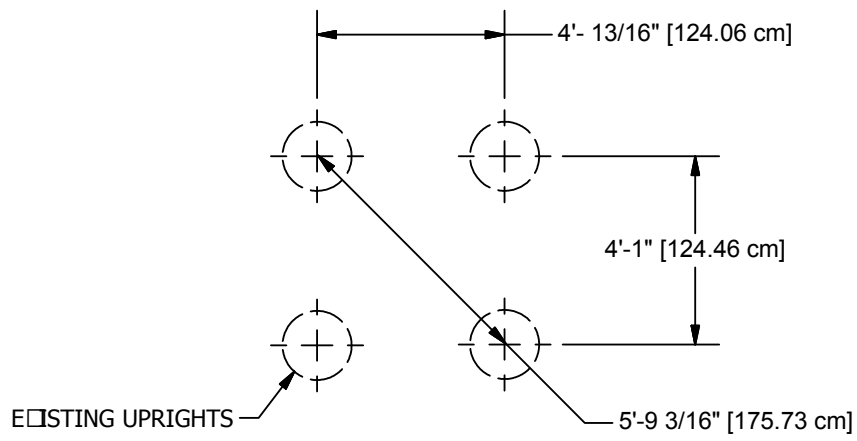


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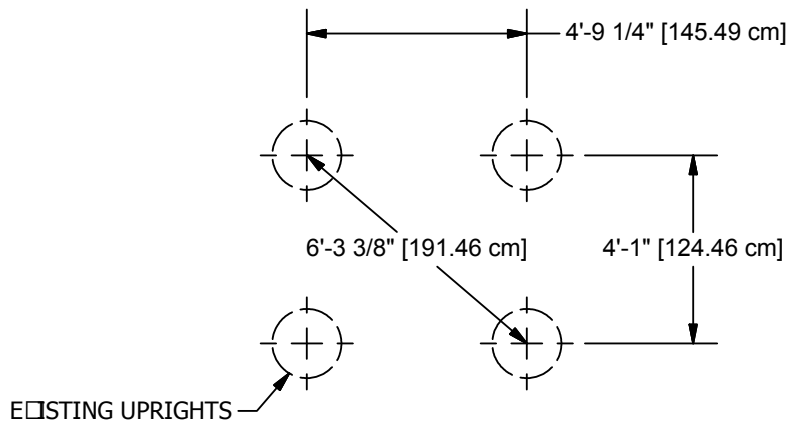


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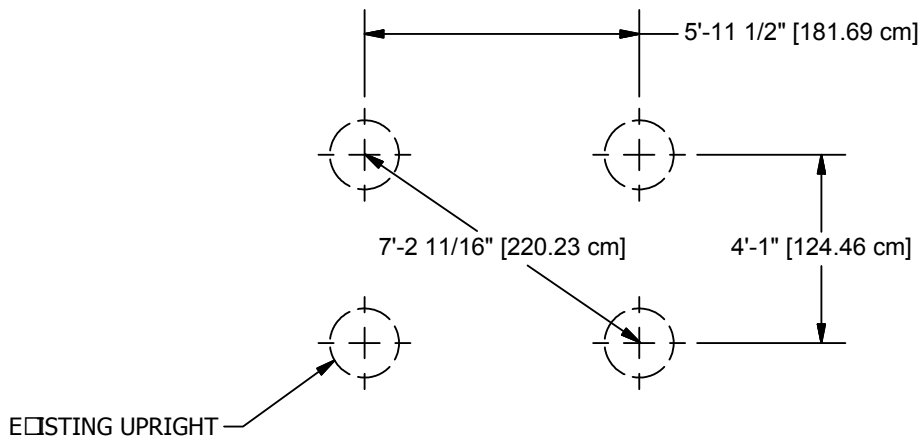
GROUND PLANS



1202



1203



1204

GROUND PLANS

Parts List							
REF.	DESCRIPTION	91200	91201	91202	91203	91204	PART NUMBER
1	RIGHT BARRIER WELD ASSEMBLY	1	0	0	0	0	207270
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	1	0	0	0	207280
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	1	0	0	207291
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	0	1	0	207302
1	RIGHT TIMBER BARRIER WELD ASS'Y	0	0	0	0	1	207313
2	LEFT BARRIER WELD ASSEMBLY	1	0	0	0	0	207265
2	LEFT TIMBER BARRIER WELD ASS'Y	0	1	0	0	0	207275
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	1	0	0	207286
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	0	1	0	207297
2	LEFT TIMBER BARRIER WELD ASS'Y	0	0	0	0	1	207308
3	1'-0" COATED STEPLINK	1	0	0	0	0	161235
3	2'-0" COATED ASSEMBLY	0	1	0	0	0	160670
3	2'-6" COATED ASSEMBLY	0	0	1	0	0	167494
3	3'-0" COATED ASSEMBLY	0	0	0	1	0	161371
3	4'-0" COATED ASSEMBLY	0	0	0	0	1	160667
	TIMBER PAC AGE	1	0	0	0	0	207448
4	TIMBER 31	2	0	0	0	0	207272**
5	TIMBER 32	2	0	0	0	0	207273**
	TIMBER PAC AGE	0	1	0	0	0	207449
6	TIMBER 33	0	2	0	0	0	207282**
7	TIMBER 34	0	2	0	0	0	207283**
8	TIMBER 35	0	4	0	0	0	207284**
	TIMBER PAC AGE	0	0	1	0	0	207450
9	TIMBER 36	0	0	3	0	0	207293**
10	TIMBER 37	0	0	3	0	0	207294**
11	TIMBER 38	0	0	8	0	0	207295**
	TIMBER PAC AGE	0	0	0	1	0	207451
12	TIMBER 39	0	0	0	4	0	207304**
13	TIMBER 40	0	0	0	4	0	207305**
14	TIMBER 41	0	0	0	8	0	207306**
	TIMBER PAC AGE	0	0	0	0	1	207452
6	TIMBER 33	0	0	0	0	4	207282**
7	TIMBER 34	0	0	0	0	4	207283**
8	TIMBER 35	0	0	0	0	14	207284**
	TRU-LOC	4	4	4	4	4	A03650

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

** Included in Inner Outer Cap End

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.

CONTINUED ON NEXT PAGE

PAGE 7

Parts List							
REF.	DESCRIPTION	91200	91201	91202	91203	91204	PART NUMBER
	HARDWARE COMPLETE	1	0	0	0	0	222096
	HARDWARE COMPLETE	0	1	0	0	0	222097
	HARDWARE COMPLETE	0	0	1	0	0	222098
	HARDWARE COMPLETE	0	0	0	1	0	222099
	HARDWARE COMPLETE	0	0	0	0	1	222100
	3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	8	8	8	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	4	812055*
	3/8" FLAT WASHER □ 1 1/4" O.D. □	8	8	8	8	8	817424*
	3/8" LOCK WASHER	12	12	12	12	12	817334*
	3/8" T-NUT	8	8	8	8	8	804556*
	ALUM. PIN	4	4	4	4	4	203568*
	NUT 5/16"- INSERT TYPE 1	12	24	42	48	66	HWN0149*
	5/16" x 1 3/4" P.B.H.C.S. w/PATCH	8	16	28	32	44	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	4	8	14	16	22	812046*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in i er ac a e*

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.

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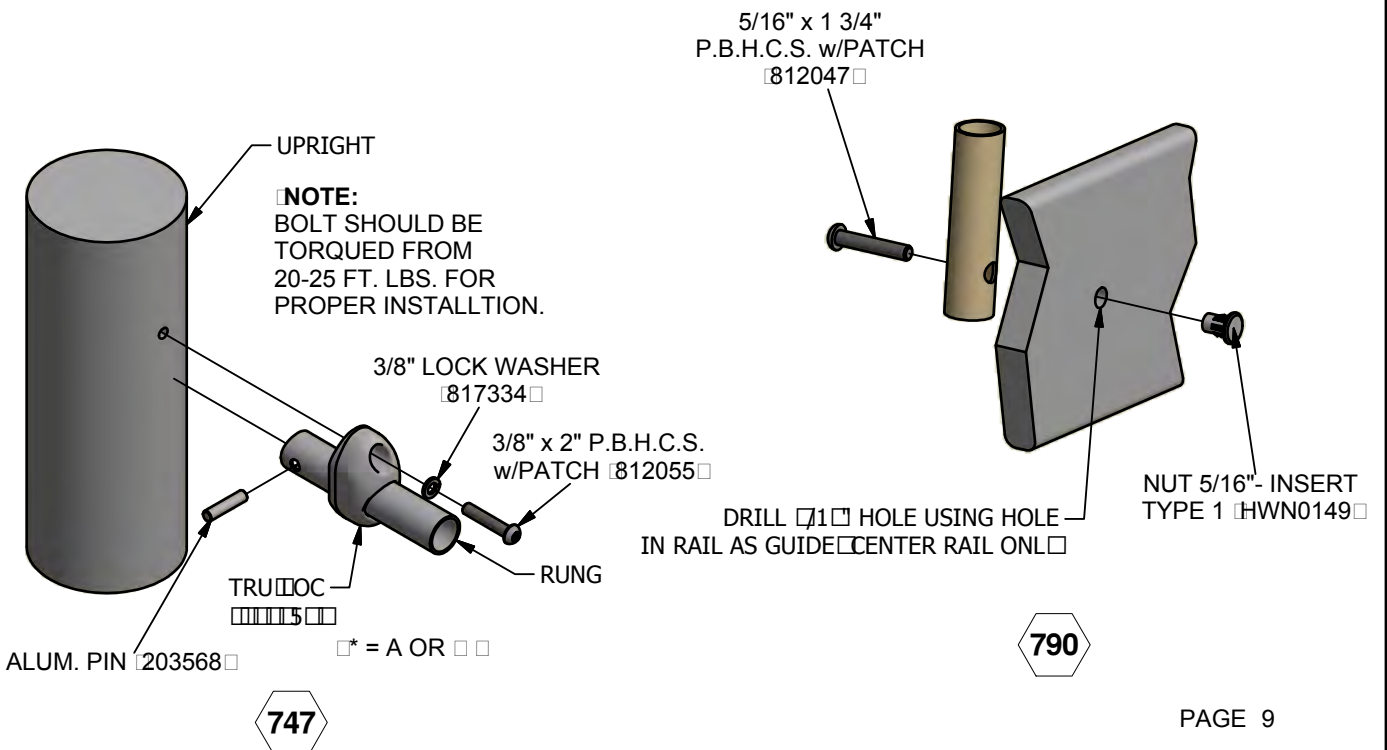
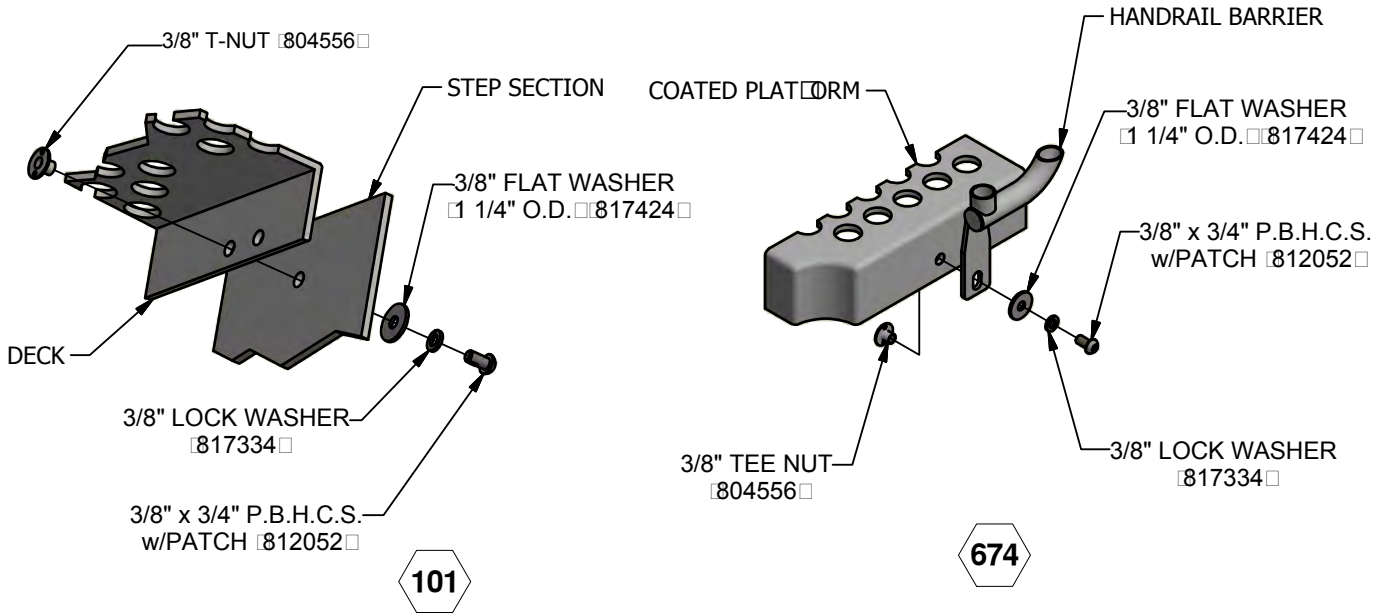
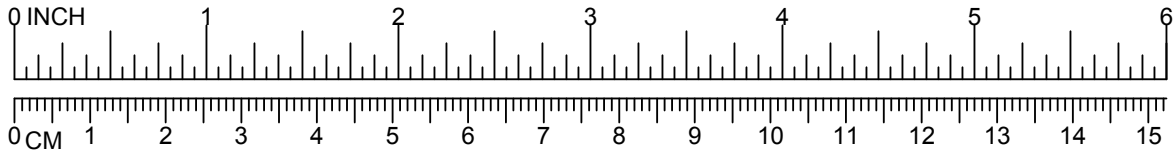
DETAILS -for- 91200, 91201, 91202, 91203 AND 91204

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.



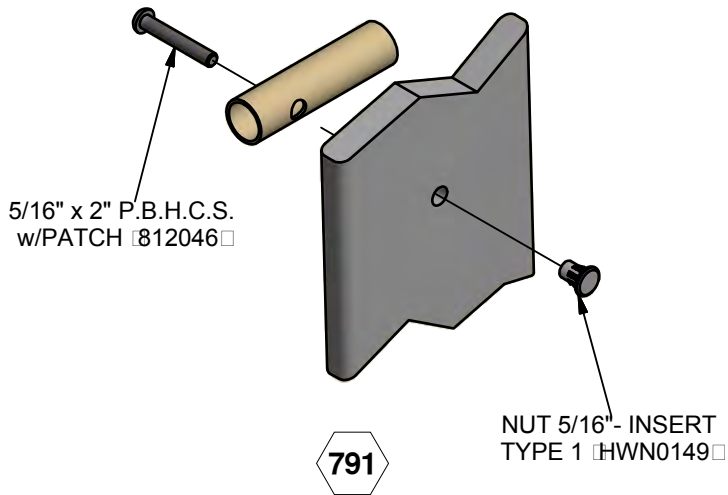
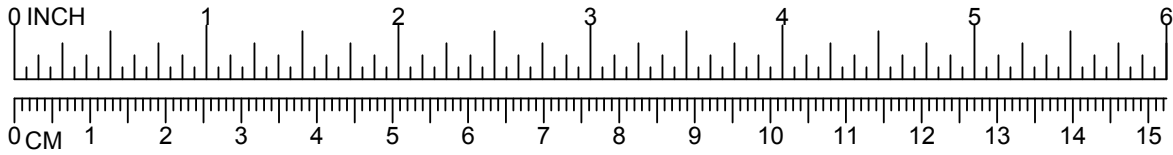
DETAILS -for- 91200, 91201, 91202, 91203 AND 91204

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.

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PowerScape



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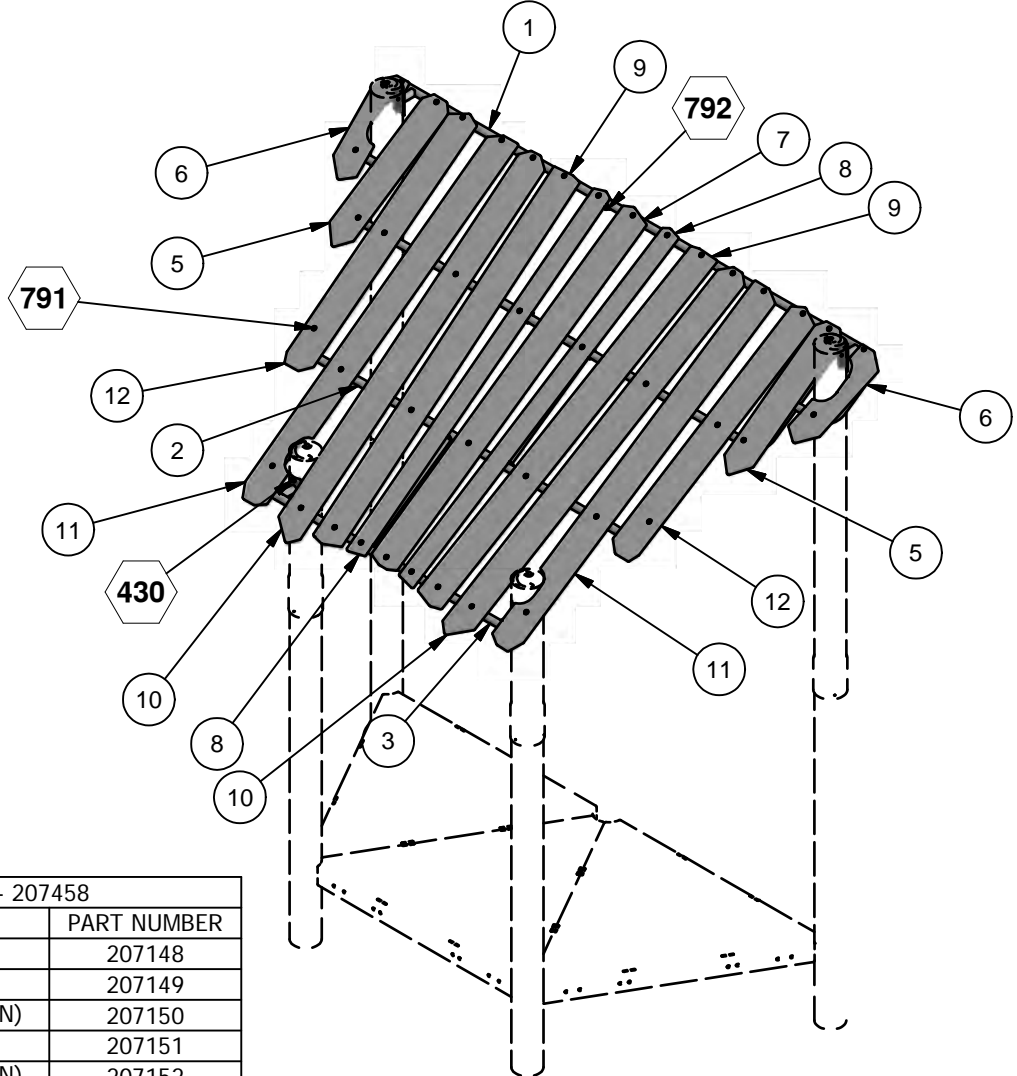
ISSUED/REVISED: 9/03/14

91214 SLANT HALF HEX ROOF TIMBERS

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

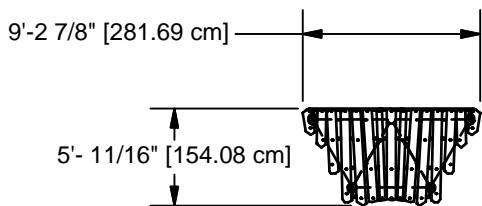


SLANT HALF HEX ROOF TIMBERS 91214 SLANT HEX ROOF TIMBERS 91219

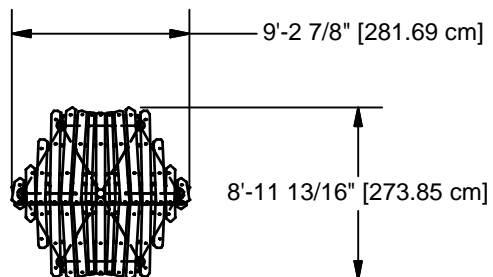


TIMBER PACKAGE - 207458		
REF	DESCRIPTION	PART NUMBER
5	TIMBER 3 (SAND)	207148
6	TIMBER 4 (SAND)	207149
7	TIMBER 5 (TUDOR BROWN)	207150
8	TIMBER 6 (GRAY)	207151
9	TIMBER 7 (TUDOR BROWN)	207152
10	TIMBER 8 (SAND)	207153
11	TIMBER 9 (TUDOR BROWN)	207154
12	TIMBER 10 (TUDOR BROWN)	207155

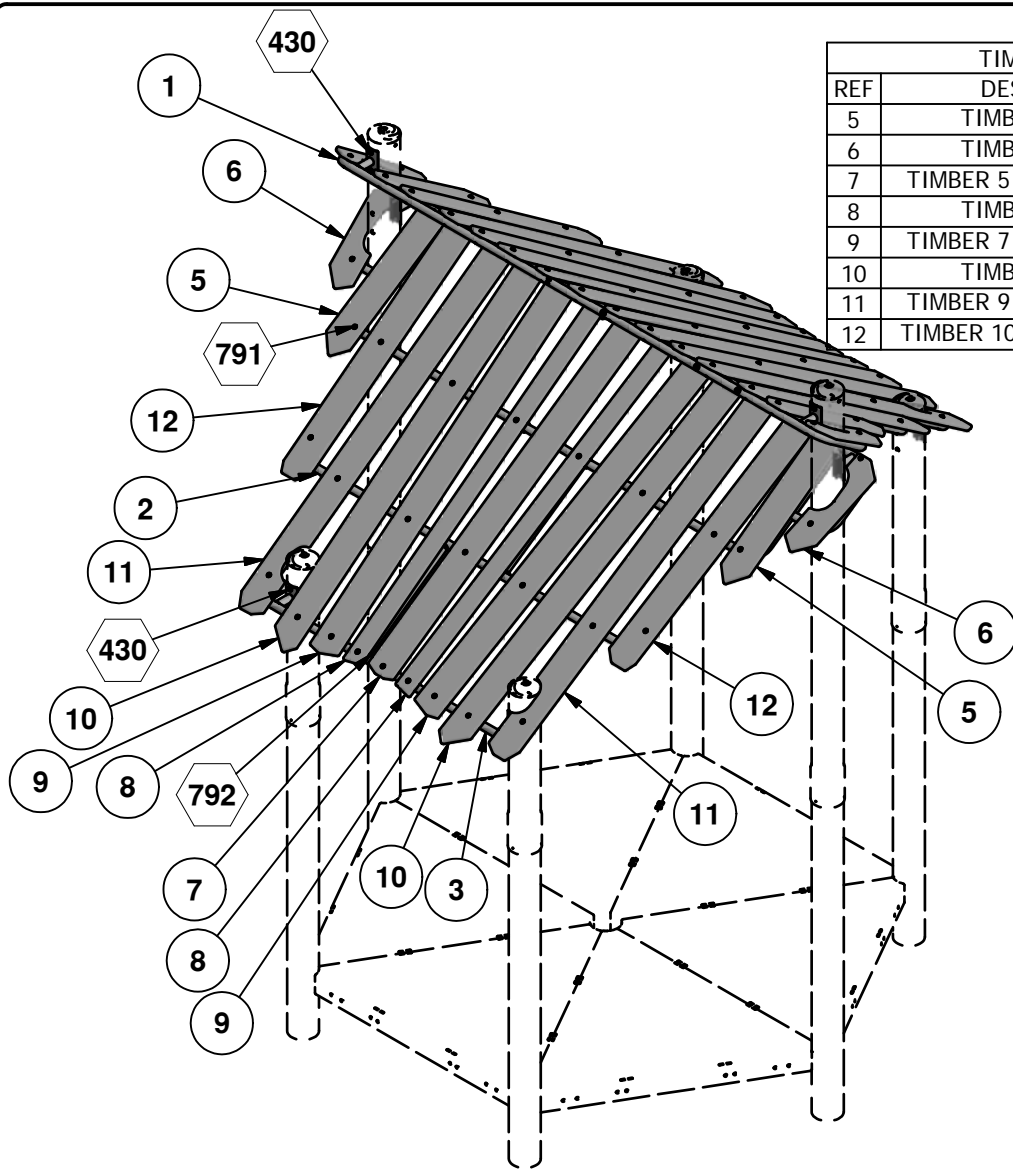
**ASSEMBLY DRAWING
91214**



**TOP VIEW
91214**

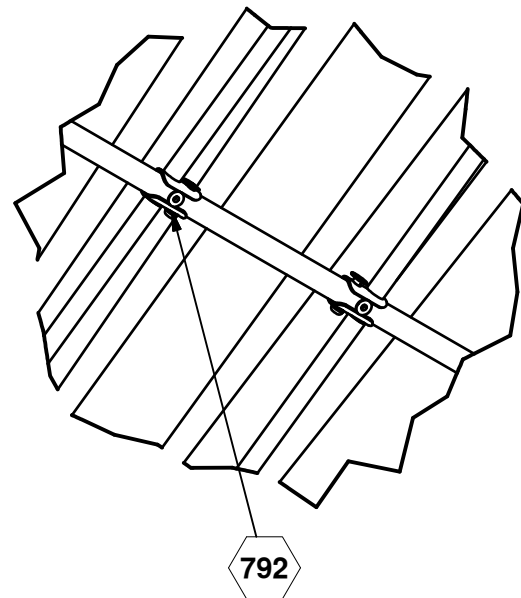
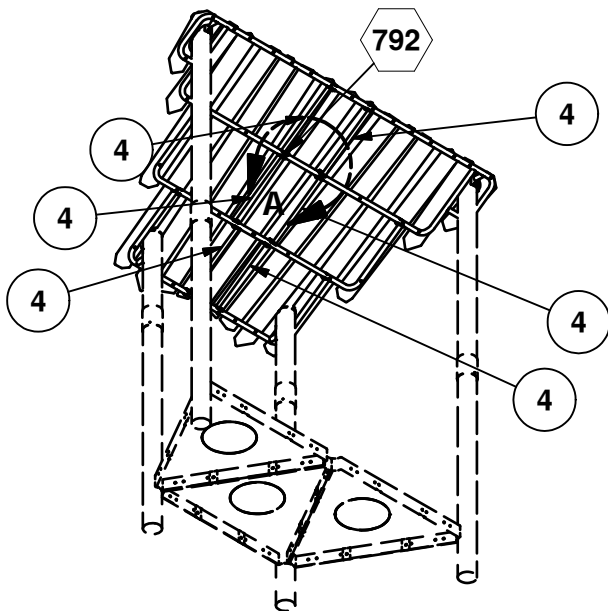


**TOP VIEW
91219**



TIMBER PACKAGE - 207458		
REF	DESCRIPTION	PART NUMBER
5	TIMBER 3 (SAND)	207148
6	TIMBER 4 (SAND)	207149
7	TIMBER 5 (TUDOR BROWN)	207150
8	TIMBER 6 (GRAY)	207151
9	TIMBER 7 (TUDOR BROWN)	207152
10	TIMBER 8 (SAND)	207153
11	TIMBER 9 (TUDOR BROWN)	207154
12	TIMBER 10 (TUDOR BROWN)	207155

**ASSEMBLY DRAWING
91219**



**ASSEMBLY DRAWING
91214 UNDERSIDE**

INSTALLTION INSTRUCTIONS

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

When installing two roofs over one hexagonal deck begin assembly and installation of lowest roof first. Once the frame work of the lowest roof is installed begin installation of the highest roof and follow installation instructions until completed. Once both frames have been installed begin securing of the recycled timber by starting on the highest roof first.

STEP 1: Using assembly drawings, assemble the framework of the roof on ground level before attaching to uprights. Once frame work is assembled secure the frame to the uprights in correct location using Detail 430.

STEP 2: Once frame is secured to the uprights connect the recycled lumber to the top of the frame using Detail 791. Begin assembly from either the left side or right side working across the frame securing one board at a time.

Parts List				
REF.	DESCRIPTION	91214	91219	PART NUMBER
1	HEX TOP WELD ASS'Y	1	2	207145
2	HEX MIDDLE WELD ASS'Y	1	2	207138
3	HEX BOTTOM WELD ASS'Y	1	2	207141
4	SPACER BAR WELD ASS'Y	6	12	207157
	TIMBER PACKAGE	1	2	207458
5	TIMBER 3	2	4	207148**
6	TIMBER 4	2	4	207149**
7	TIMBER 5	1	2	207150**
8	TIMBER 6	2	4	207151**
9	TIMBER 7	2	4	207152**
10	TIMBER 8	2	4	207153**
11	TIMBER 9	2	4	207154**
12	TIMBER 10	2	4	207155**
	HARDWARE COMPLETE	1	0	207160
	HARDWARE COMPLETE	0	1	207161
	5/16" x 2" P.B.H.C.S. w/Patch	41	82	812046*
	5/16" FLAT WASHER (5/8" O.D.)	41	82	817406*
	5/16" T-NUT	41	82	804555*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	16	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	12	24	812053*
	3/8" LOCKWASHER	20	40	817334*
	3/8" FLAT WASHER	8	16	817410*
	3/8" T-NUT	12	24	804556*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

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

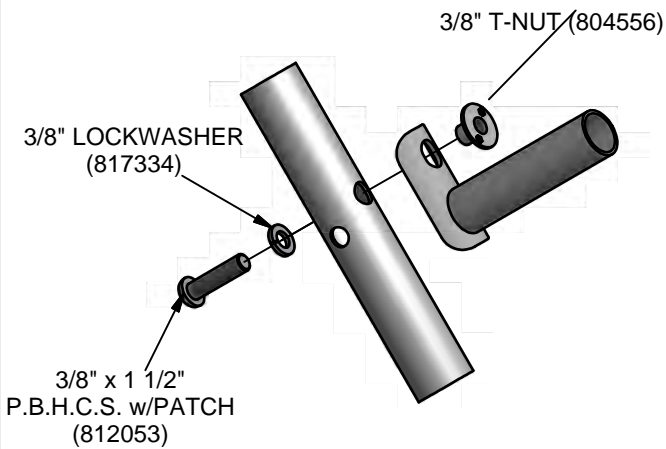
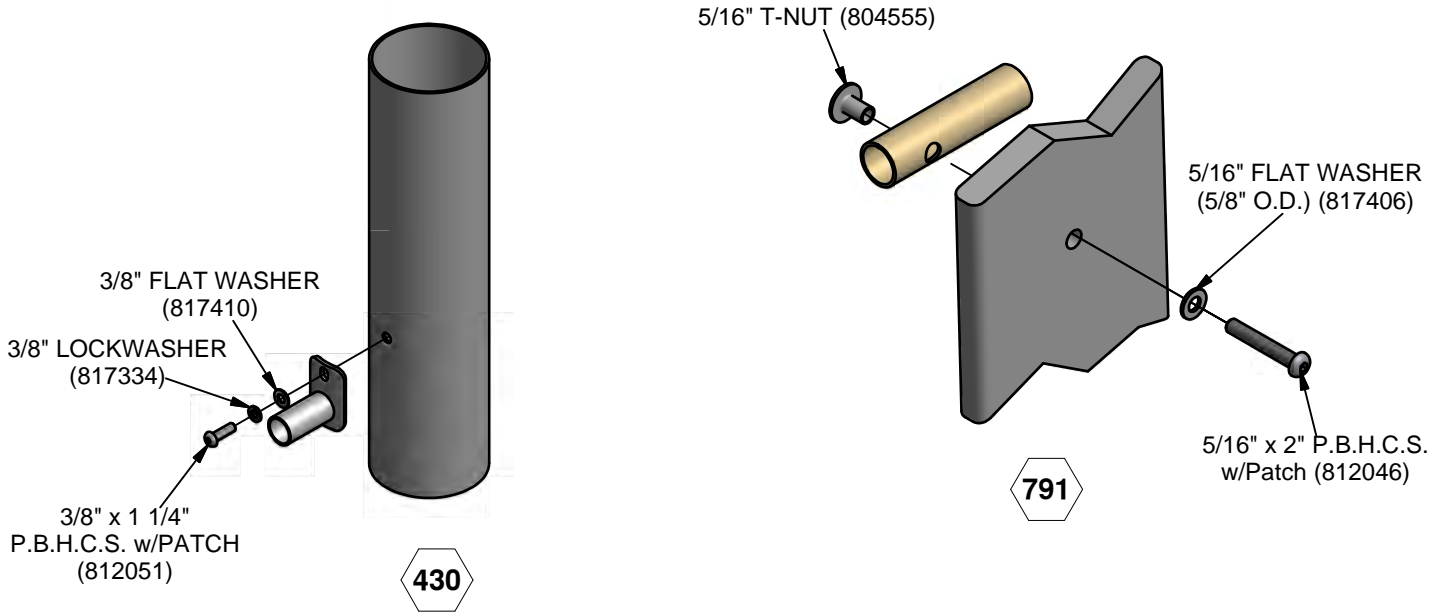
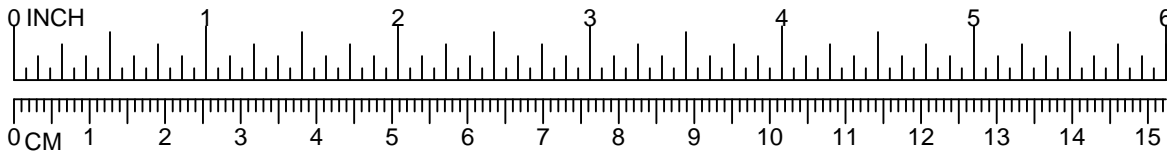
DETAILS -for- 91214 & 91219

IMPORTANT



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

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



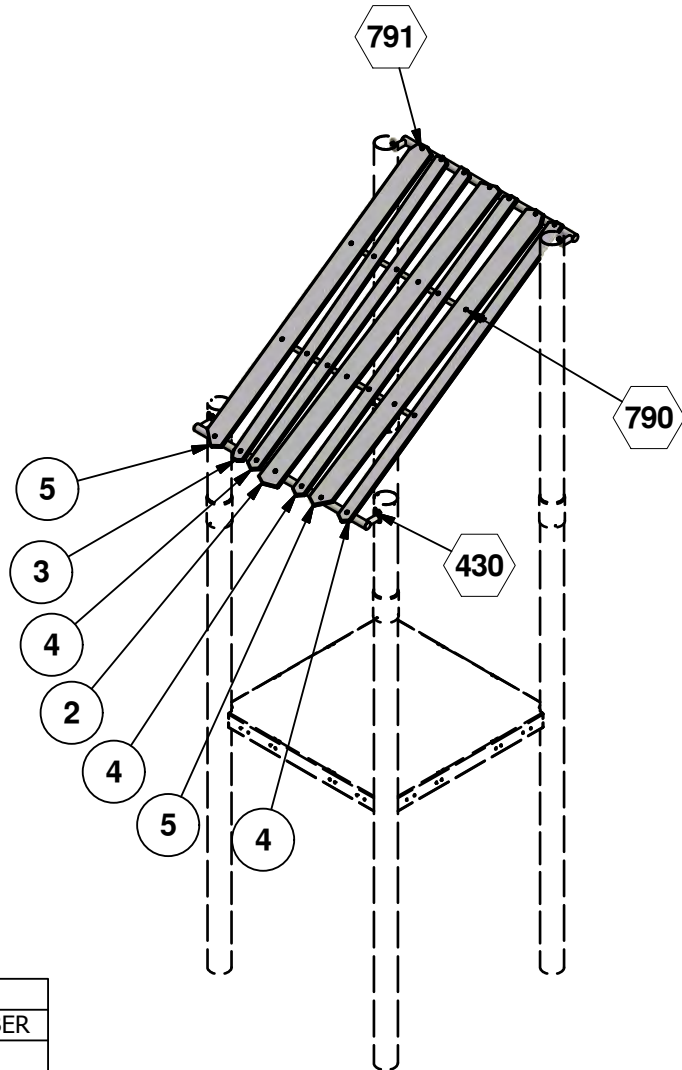
NOTE: DETAIL ENCOMPASSES BOTH SINGLE AND DOUBLE TAB APPLICATIONS

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



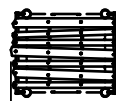
INSTALLATION INSTRUCTIONS

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



ASSEMBLY DRAWING

TIMBER PACKAGE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
RE <input type="checkbox"/>	DESCRIPTION	PART NUMBER
2 <input type="checkbox"/>	TIMBER 2 <input type="checkbox"/> SAND <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 21 <input type="checkbox"/> GRAY <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 22 <input type="checkbox"/> GRAY <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5 <input type="checkbox"/>	TIMBER 2 <input type="checkbox"/> TUDOR BROWN <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



5'-5 13/16" [167.10 cm]

TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SLANT ROOF TIMBERS WELD ASS'Y	1	207236
	TIMBER PACKAGE	1	207500
2	TIMBER 20	1	207241**
3	TIMBER 21	1	207242**
4	TIMBER 22	3	207243**
5	TIMBER 23	2	207244**
	HARDWARE COMPLETE	1	207393
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" LOCK WASHER	4	817334*
	3/8" FLAT WASHER	4	817410*
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	10	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	18	812046*
	5/16" FLAT WASHER (5/8" O.D.)	28	817406*
	5/16" T-NUT	28	804555*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

*** Included in Timber Package*

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

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

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

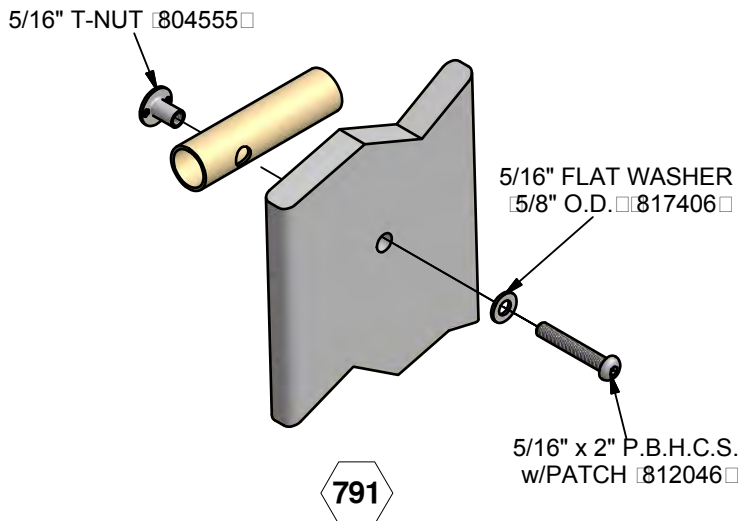
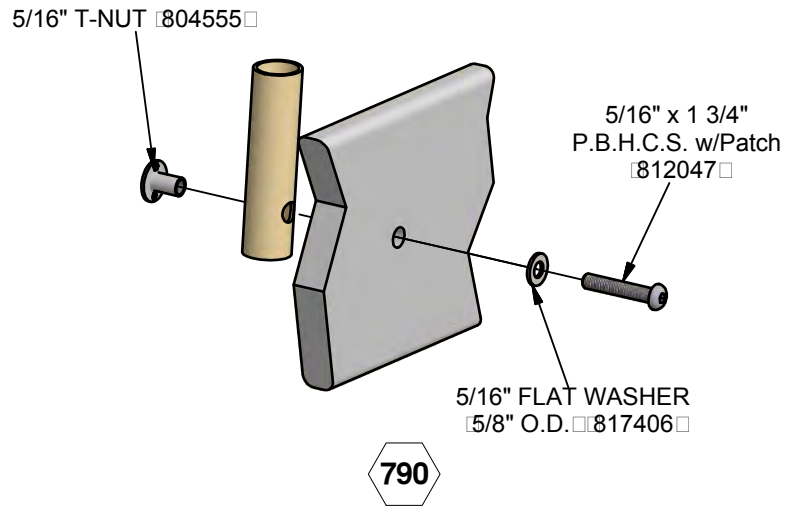
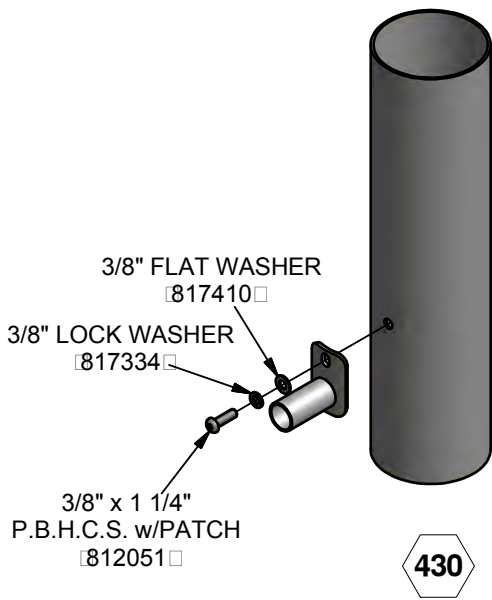
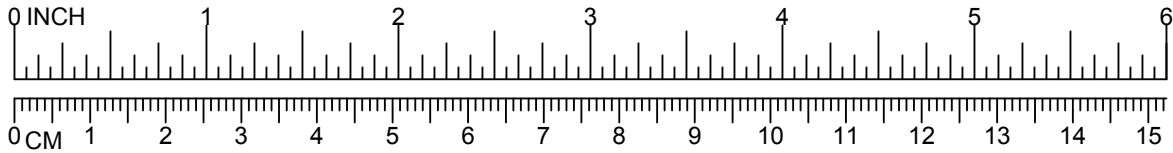
DETAILS -for- 91215

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.



PowerScape

91269

GameTime

A PLAYCORE Company

1-800-235-2440

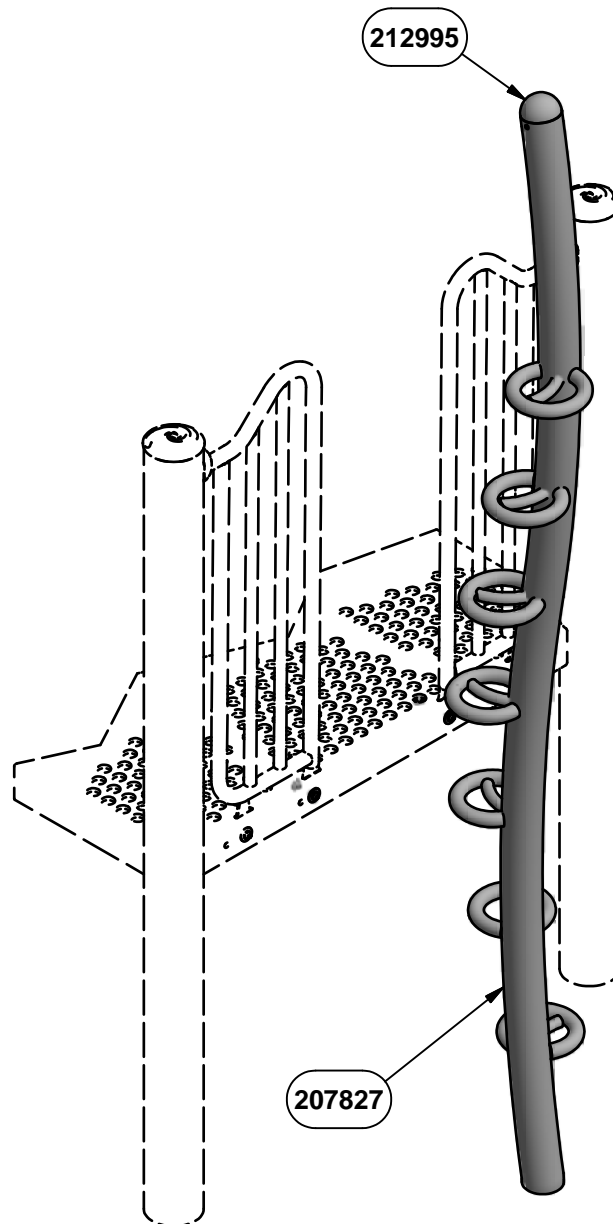
ISSUED/REVISED: 11/19/2020

SPROUT CLIMBER



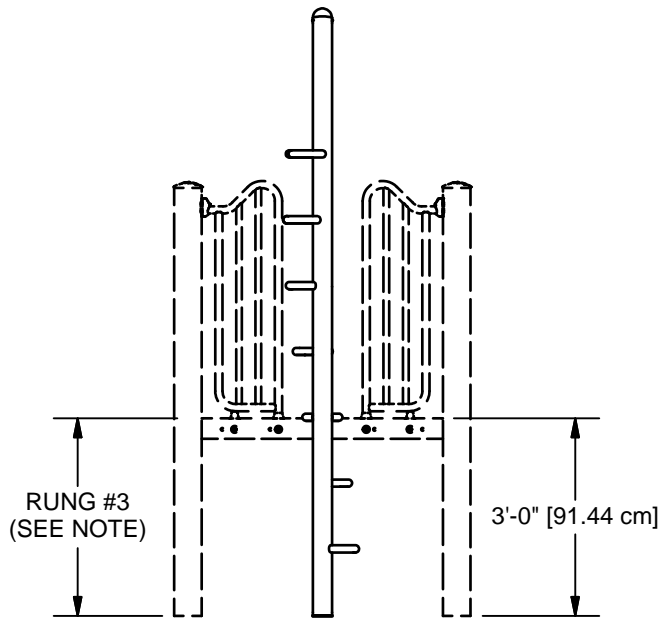
INSTALLATION INSTRUCTIONS

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

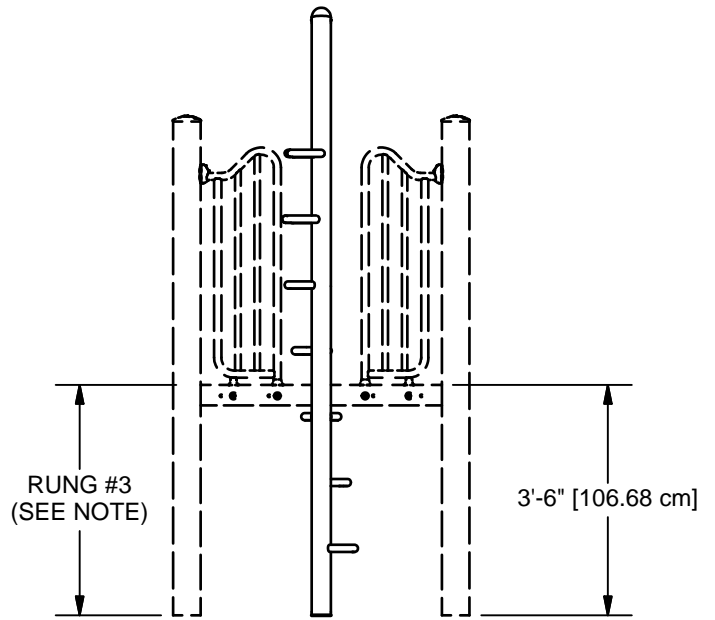


ASSEMBLY VIEW

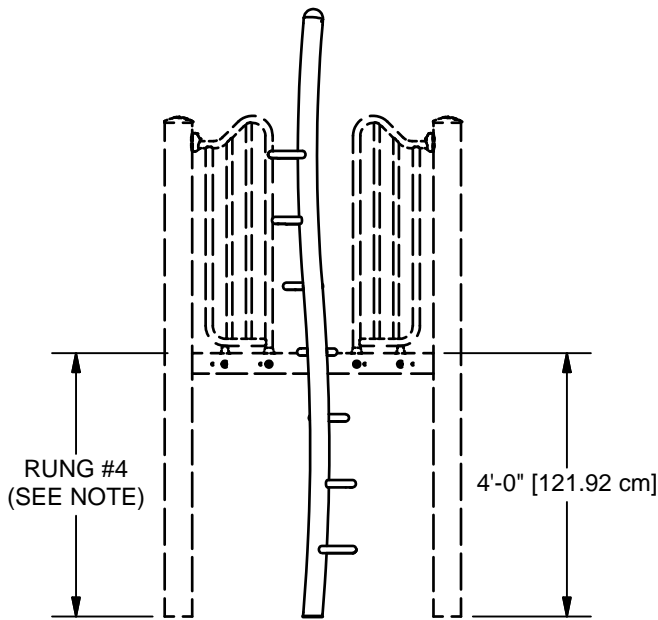
3'-0" SHOWN



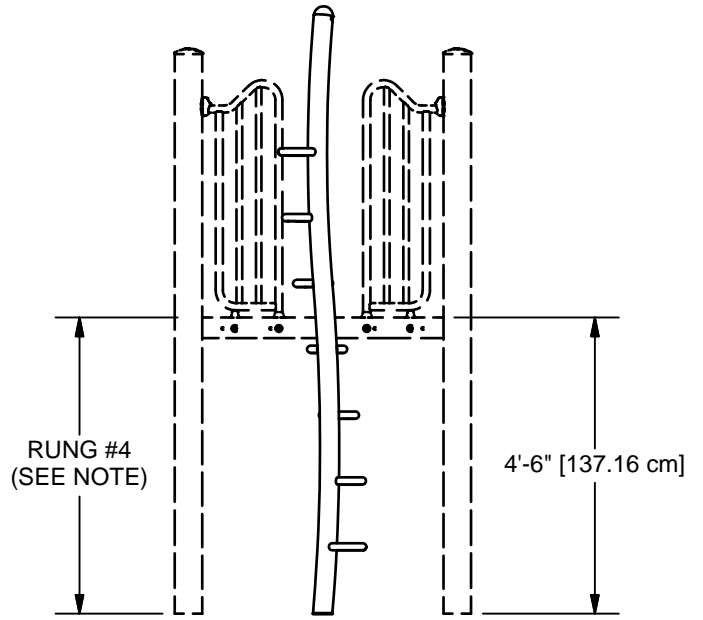
3'-0" SHOWN
91269



3'-6" SHOWN
91269

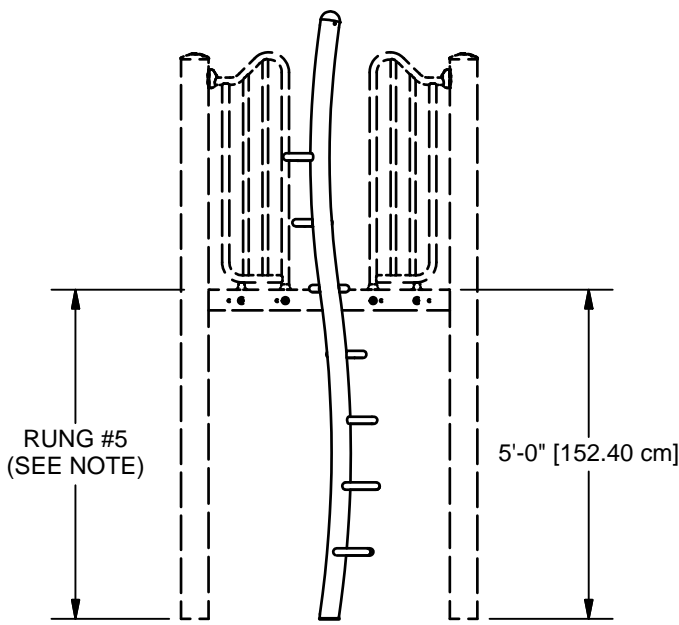


4'-0" SHOWN
91269

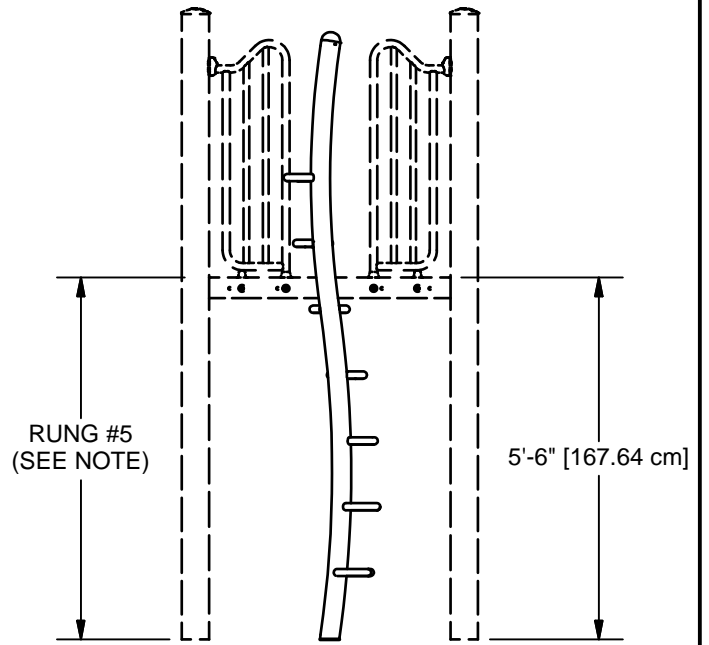


4'-6" SHOWN
91269

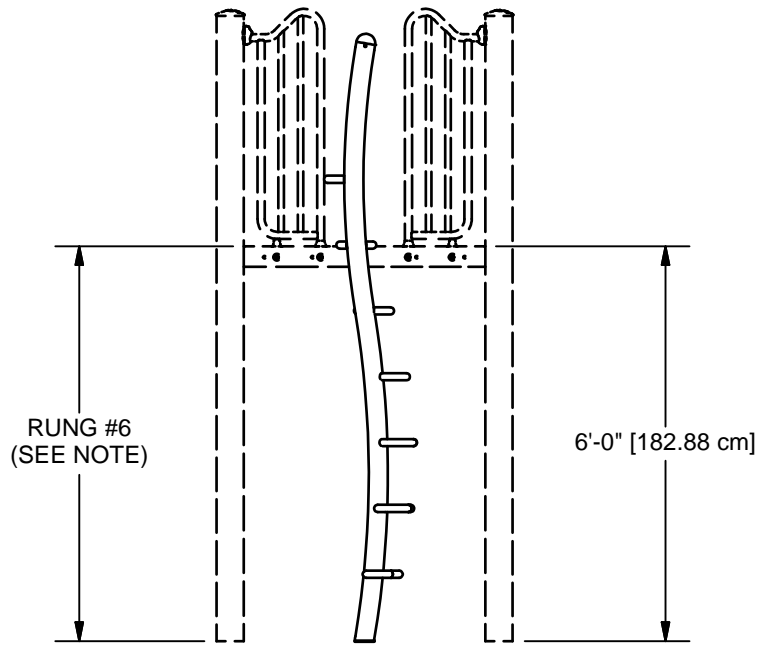
NOTE: RUNG # IS COUNTED FROM FINISHED GRADE.
THIS RUNG SHOULD BE PERPENDICULAR TO DECK.



5'-0" SHOWN
91269

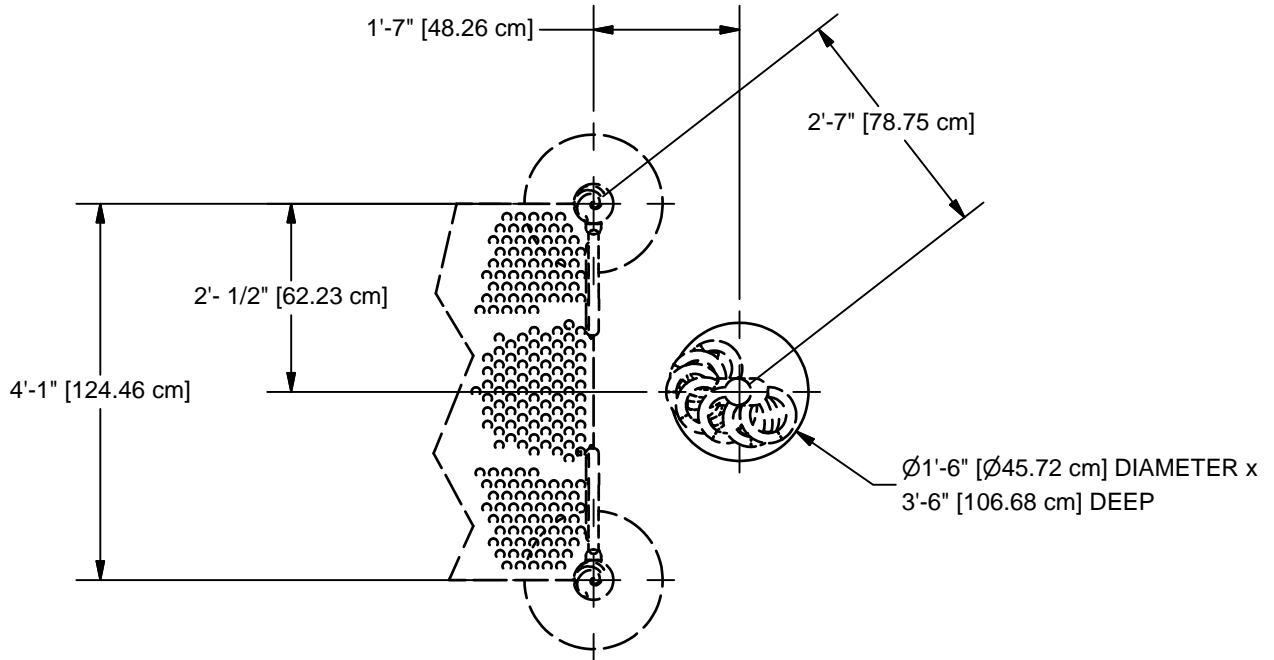


5'-6" SHOWN
91269



6'-0" SHOWN
91269

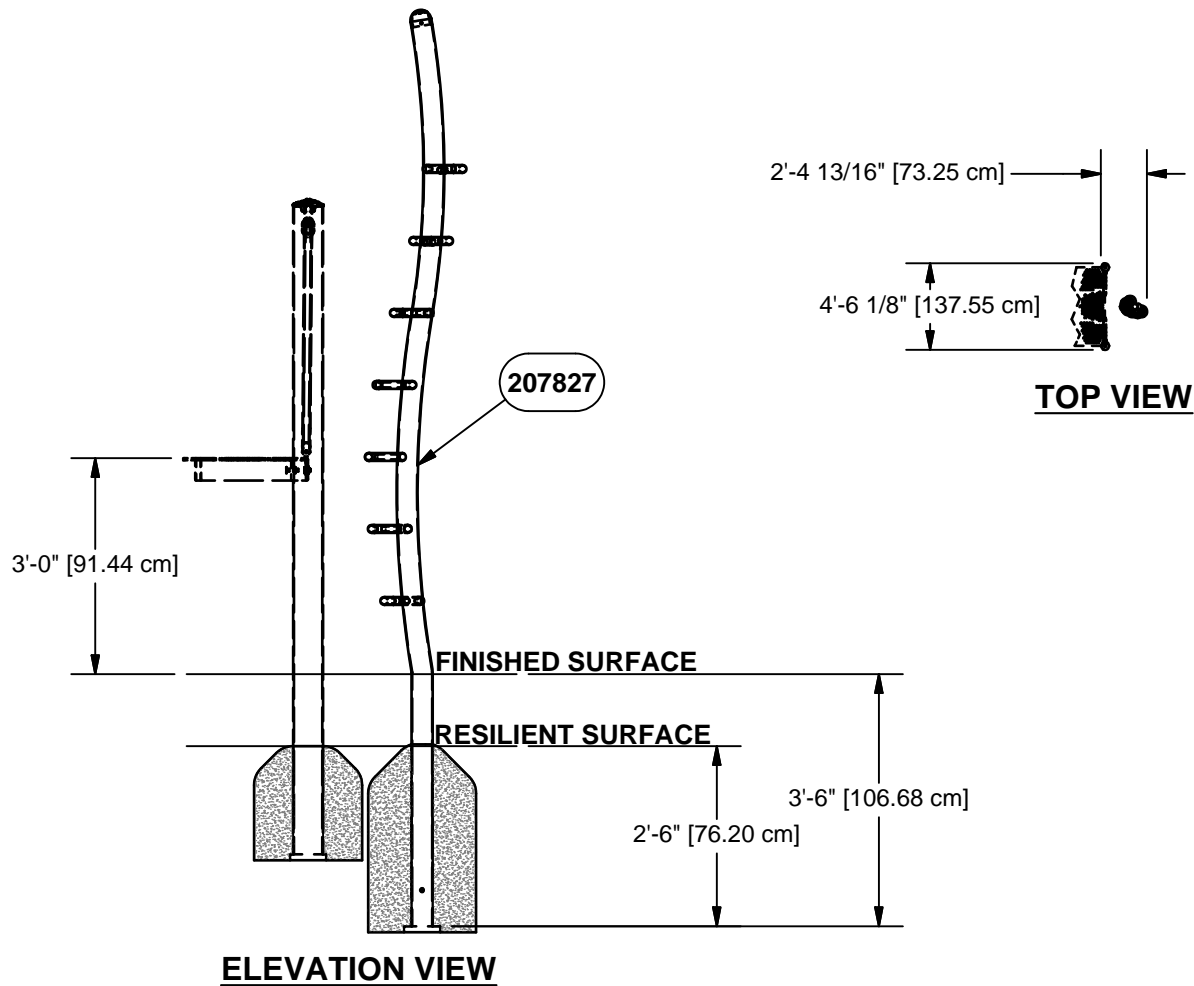
NOTE: THE RUNG # IS COUNTED FROM FINISHED GRADE.
THIS RUNG SHOULD BE PERPENDICULAR TO DECK.

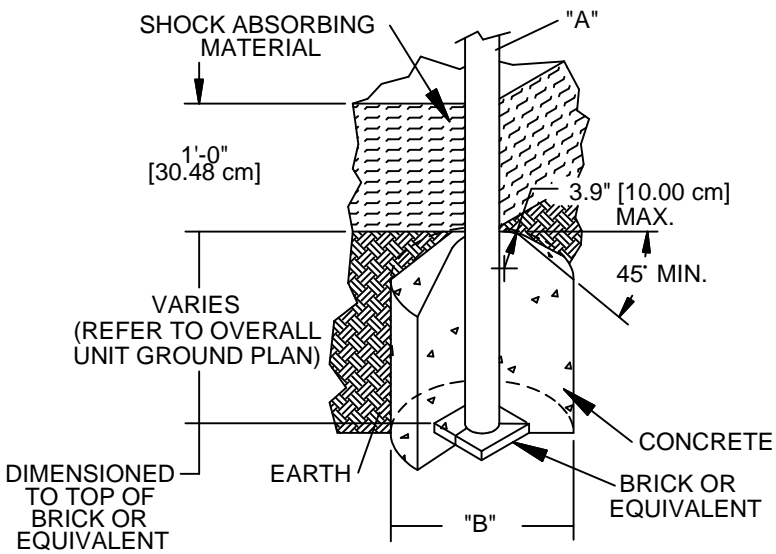


PLAN VIEW

CONCRETE REQUIRED
0.16 CUBIC YARDS
[0.13 CUBIC METERS]

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





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

NOTES:

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

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

FOOTING DETAIL

Parts List		
DESCRIPTION	QTY	PART NUMBER
SPROUT CLIMBER ASS'Y	1	207827
3 1/2" DOME CAP	1	212995
HARDWARE COMPLETE	1	207832
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
3/8" LOCK WASHER	2	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" T-NUT	2	804556*
1/2" ANCHOR ROD	1	135038*
3/16" x 13/32" DRIVE RIVET	2	805366*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape®



GameTime®

A PLAYCORE company

1-800-235-2440

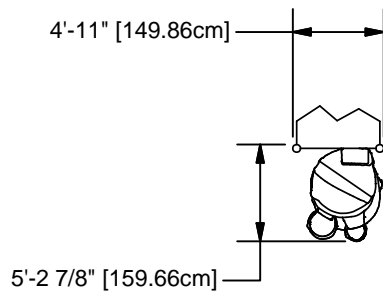
ISSUED/REVISED: 11/23/15

91327 BIG STUMP CLIMBER

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. **Backup Material:** Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing hole. 84" x 60" x 8" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Allow 48 hours minimum for concrete to cure before installing play feature.

STEP 3: Carefully guide Fork Lift blades through fork pockets.

and attach free ends to lifting machinery

NOTE: If lifting straps are used instead, they should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 4: Carefully place and center play feature onto fully cured concrete footing. Secure with wedge anchors (QTY 4)

STEP 5: After play feature is in place and secured, remove all remaining packaging material. Inspect feature for blemishes. Use included repair kit as needed.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	GFRC BIG STUMP CLIMBER	1	210017
	HARDWARE COMPLETE	1	208082
	3/8" x 1 1/4" P.B.H.C.S.	2	812053*
	3/8" LOCKWASHER	2	817334*
	3/8" FLATWAHSER	2	817424*
	1/2" x 4 1/4" WEDGE ANCHOR	4	800082*

Unless Otherwise Specified, All Units of Measure are Each

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

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



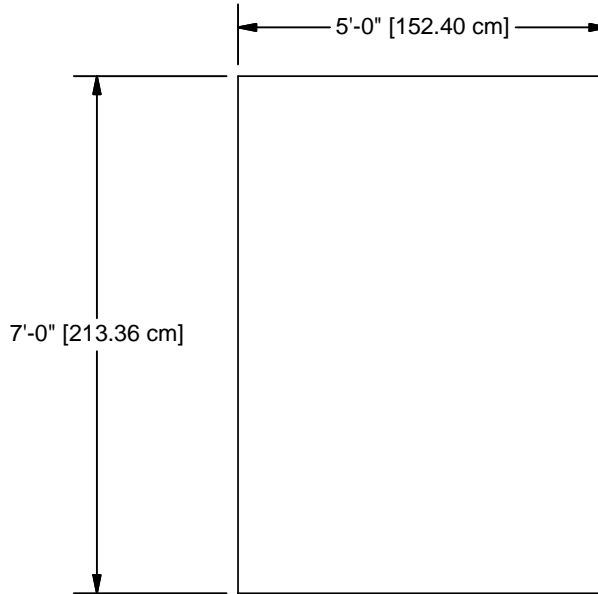
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- 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.
- 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.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.

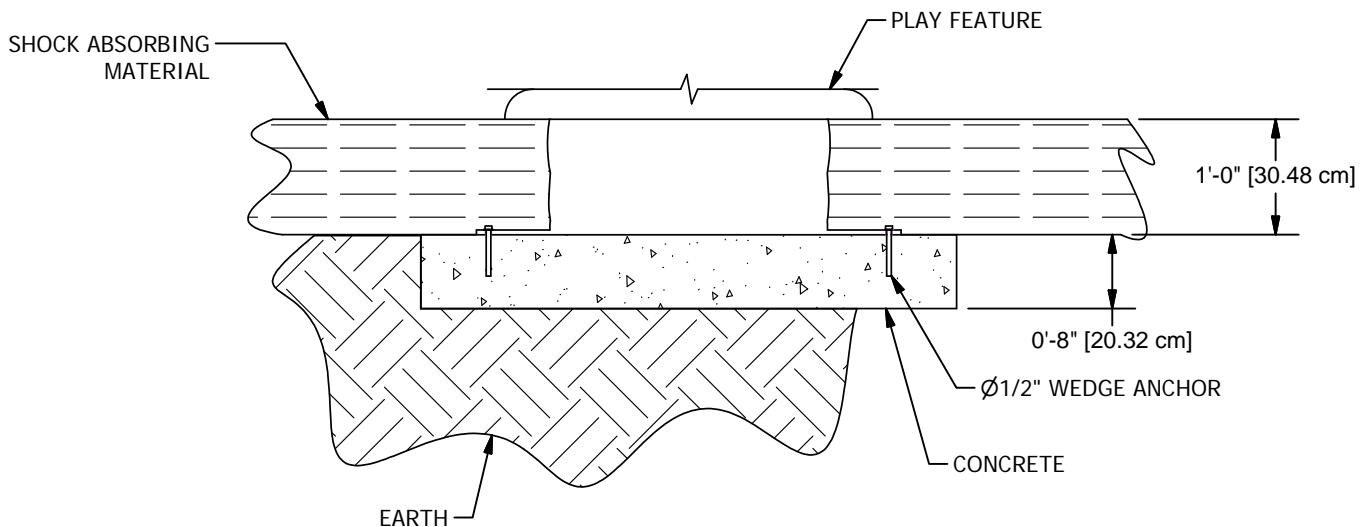


GROUND PLAN

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED (38110):
.86 CUBIC YARDS
.64 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.



FOOTING DETAIL

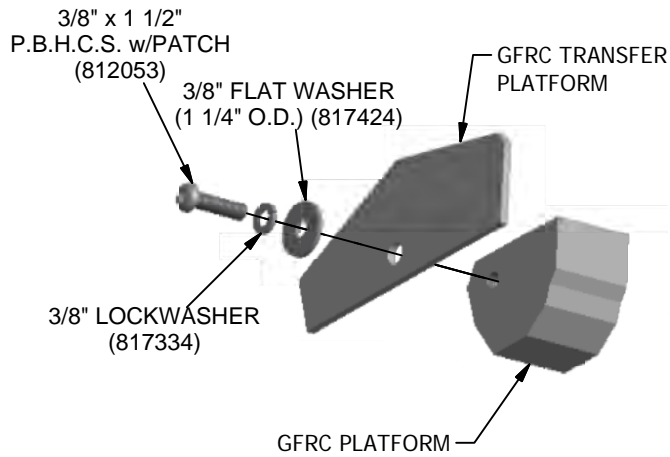
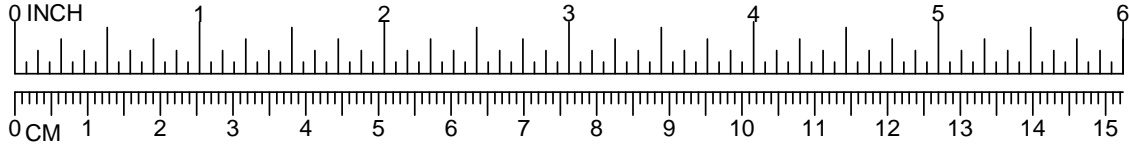
DETAILS -for- 91327

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.



819

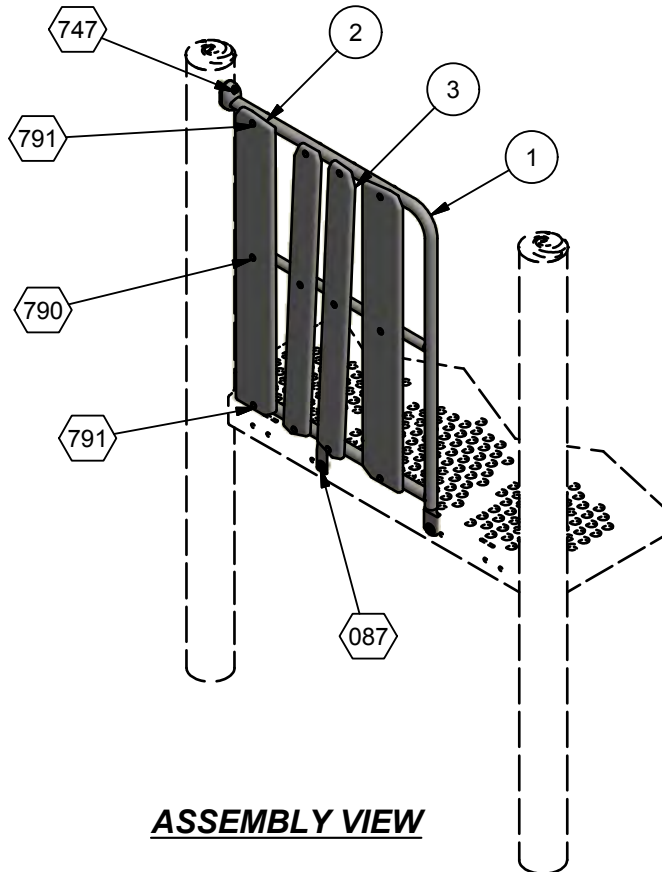
91333 CLIMBER OFFSET ENTRYWAY (TIMBERS)

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



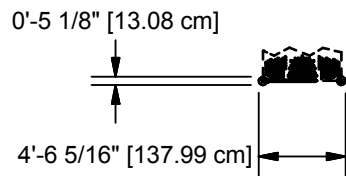
INSTALLATION INSTRUCTIONS

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



ASSEMBLY VIEW

TIMBER PACKAGE <input type="checkbox"/> 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
RE <input type="checkbox"/>	DESCRIPTION	PART NUMBER
2	TIMBER 1 <input type="checkbox"/> SAND <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> 2 <input type="checkbox"/>
<input type="checkbox"/>	TIMBER 1 <input type="checkbox"/> GRA <input type="checkbox"/>	2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



TOP VIEW

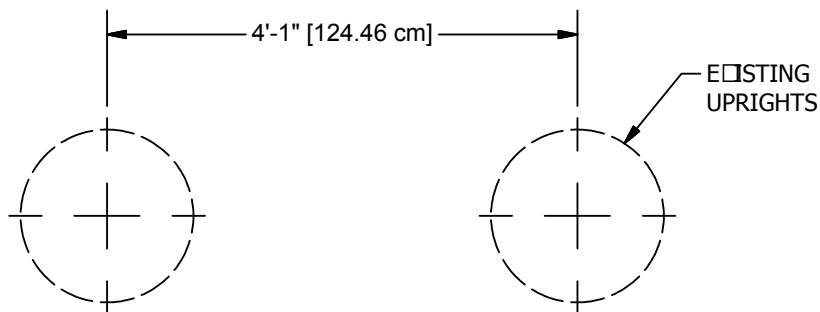
Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	OFFSET ENCLOSURE ASSEMBLY	1	211081
	TIMBER PACKAGE	1	207466
2	TIMBER 18	2	207229**
3	TIMBER 19	2	207230**
	TRU-LOC	1	A03650
	HARDWARE COMPLETE	1	222083
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	1	812055*
	3/8" LOCK WASHER	2	817334*
	3/8" FLAT WASHER 1 1/4" O.D.	2	817424*
	3/8" T-NUT	2	804556*
	5/16" x 1 3/4" P.B.H.C.S. w/PATCH	4	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	8	812046*
	NUT 5/16"- INSERT TYPE 1	12	HWN0149*
	ALUM. PIN	1	203568*

Unless Otherwise Specified, All Units of Measure are Each
 * Included in Hardware * Included in er ac a e

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 othersshould be used on any non-patch hardware.



GROUND PLAN

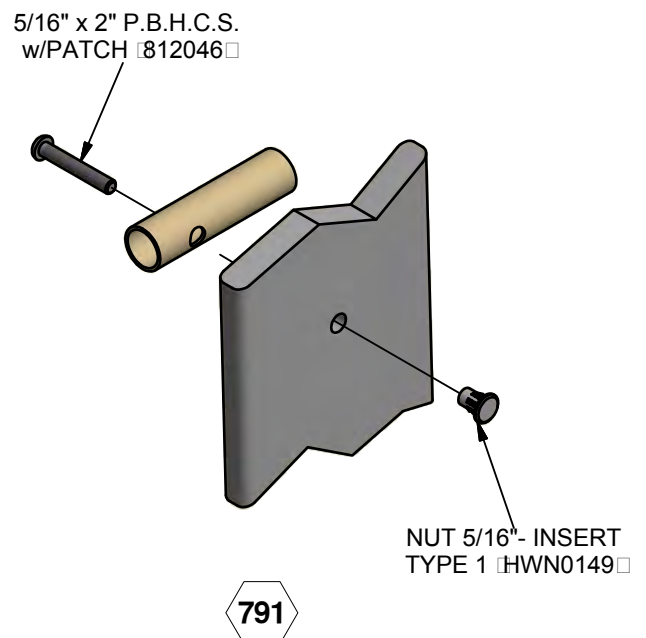
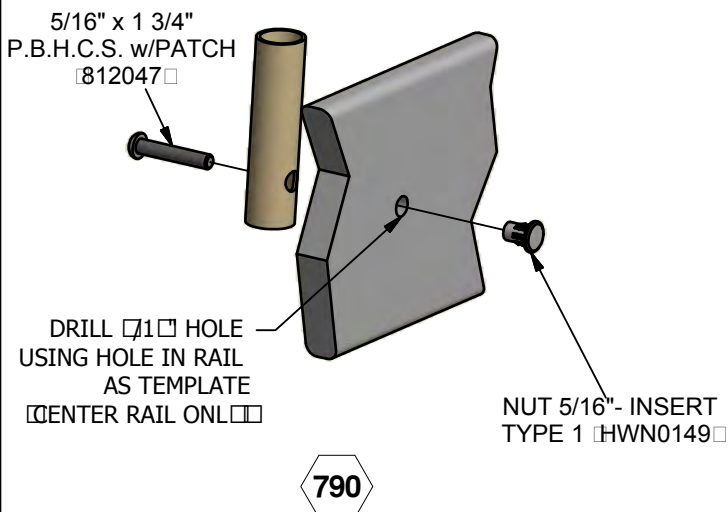
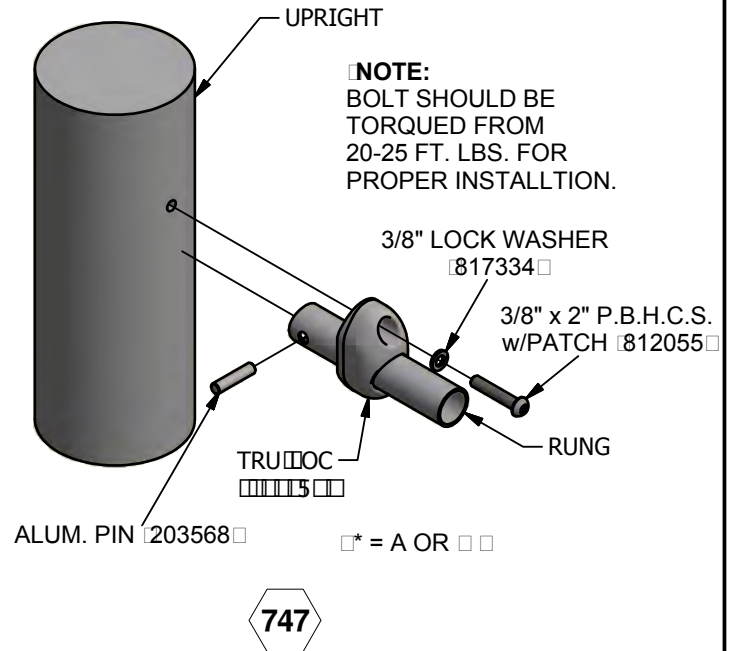
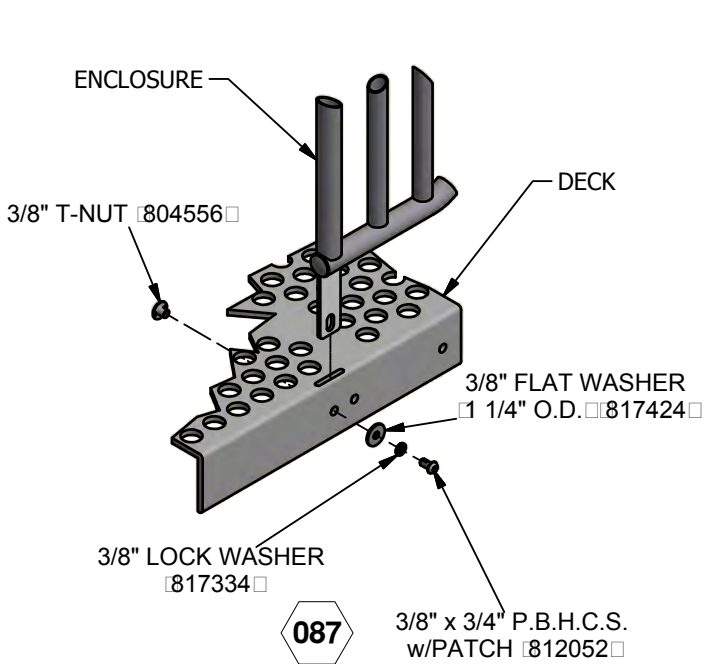
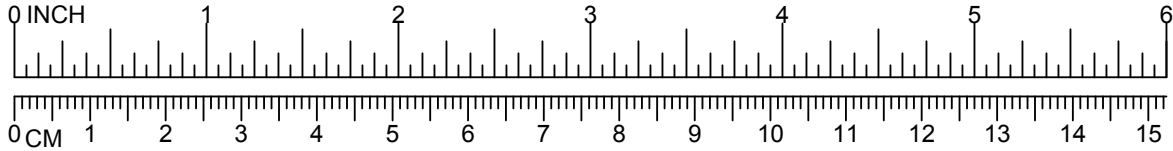
DETAILS -for- 91333

IMPORTANT

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

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

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



PowerScape®



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 5/25/17

91336 TIMBERS ENCLOSURE

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE

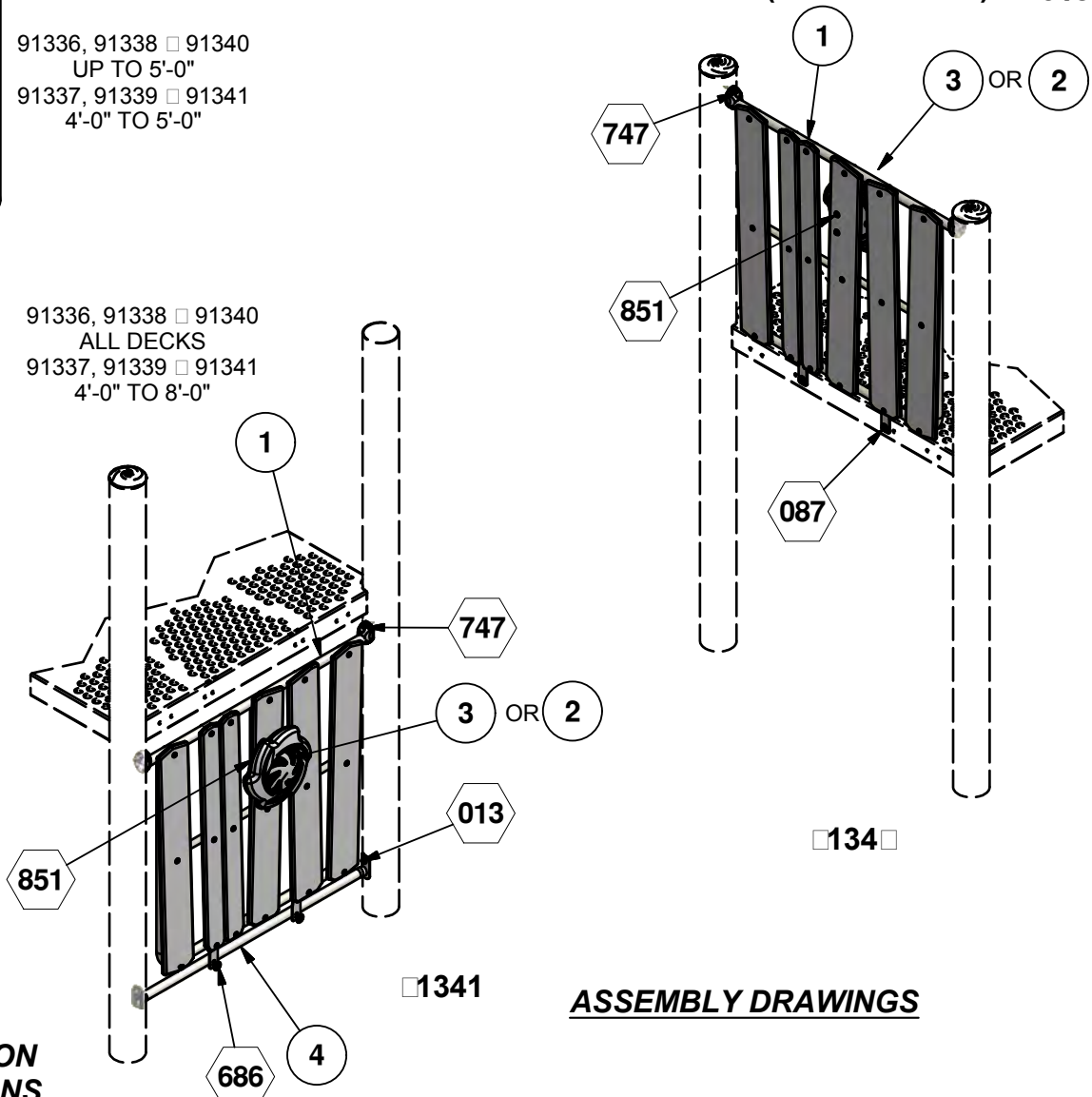
w/ MOLDED STEERING WHEEL (ABOVE DECK)	91336
w/ MOLDED STEERING WHEEL (BELOW DECK)	91337
w/ SOLID STEERING WHEEL (ABOVE DECK)	91338
w/ SOLID STEERING WHEEL (BELOW DECK)	91339
w/ THUNDERRING (ABOVE DECK)	91340
w/ THUNDERRING (BELOW DECK)	91341



91336, 91338 □ 91340
UP TO 5'-0"
91337, 91339 □ 91341
4'-0" TO 5'-0"



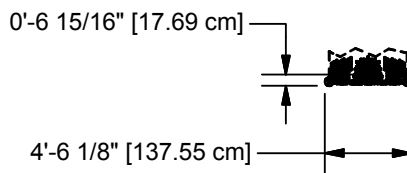
91336, 91338 □ 91340
ALL DECKS
91337, 91339 □ 91341
4'-0" TO 8'-0"



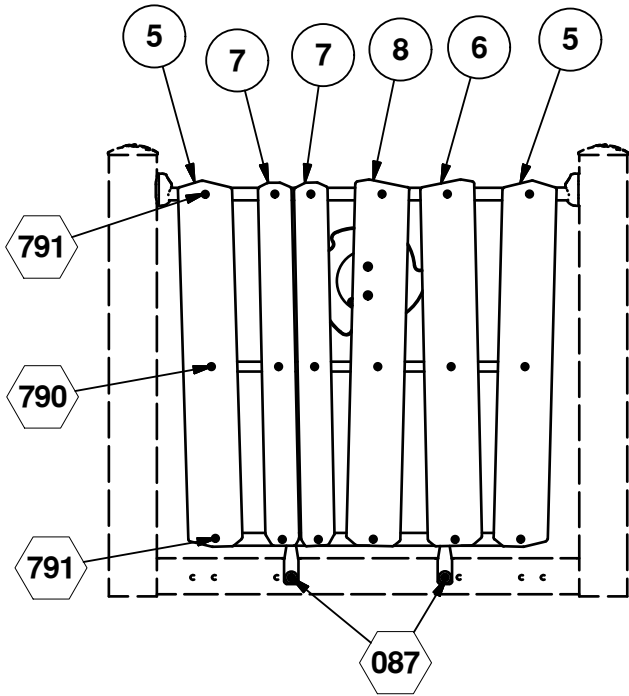
ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

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

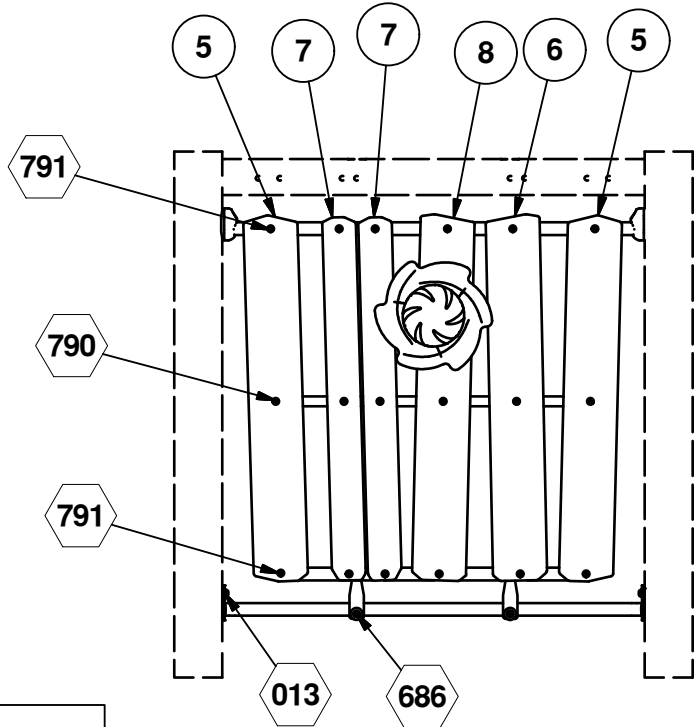


TOP VIEW



TIMBER PACKAGE □		
RE□	DESCRIPTION	PART NUMBER
5	TIMBER 1□TUDOR BROWN□	2□222
□	TIMBER 1□TUDOR BROWN□	2□22□
□	TIMBER 1□GRA□	2□22□
□	TIMBER 12□SAND□	211□□

TIMBER LOCATION
91340 □91336 □91338 SIMILAR□



TIMBER PACKAGE □11□□		
RE□	DESCRIPTION	PART NUMBER
5	TIMBER 1□TUDOR BROWN□	2□222
□	TIMBER 1□TUDOR BROWN□	2□22□
□	TIMBER 1□GRA□	2□22□
□	TIMBER 12□SAND□	211□□

TIMBER LOCATION
91341 □91337 □91339 SIMILAR□

Parts List								
REF.	DESCRIPTION	91336	91337	91338	91339	91340	91341	PART NUMBER
1	TIMBER ENCLOSURE WELD ASS'Y	1	1	1	1	1	1	211306
2	STEERING WHEEL ASSEMBLY	1	1	0	0	0	0	163235
2	SOLID STEERING WHEEL ASSEMBLY	0	0	1	1	0	0	141129
3	THUNDER RING	0	0	0	0	1	1	179013
4	MOUNTING PIPE	0	1	0	1	0	1	203900
	TIMBER PAC	1	1	1	1	1	1	213114
5	TIMBER 14	2	2	2	2	2	2	207222**
6	TIMBER 16	1	1	1	1	1	1	207220**
7	TIMBER 17	2	2	2	2	2	2	207223**
8	TIMBER 123	1	1	1	1	1	1	211304**
	TRU-LOC	2	2	2	2	2	2	203650
	HARDWARE COMPLETE	1	0	1	0	1	0	211316
	HARDWARE COMPLETE	0	1	0	1	0	1	211317
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	6	6	6	6	6	6	812047*
	5/16" x 2" P.B.H.C.S. w/PATCH	12	12	12	12	12	12	812046*
	5/16" FLAT WASHER [5/8" O.D.]	18	18	18	18	18	18	817406*
	5/16" T-NUT	18	18	18	18	18	18	804555*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812055*
	3/8" ACORN NUT	2	2	2	2	2	2	804002*
	3/8" FLAT WASHER	2	2	2	2	2	2	817410*
	3/8" FLAT WASHER [1 1/4" O.D.]	2	2	2	2	2	2	817424*
	3/8" LOCK WASHER	6	8	6	8	6	8	817334*
	3/8" T-NUT	2	2	2	2	2	2	804556*
	ALUM. PIN	2	2	2	2	2	2	203568*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

**Included in [i] [er] [ac] [a] [e]

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

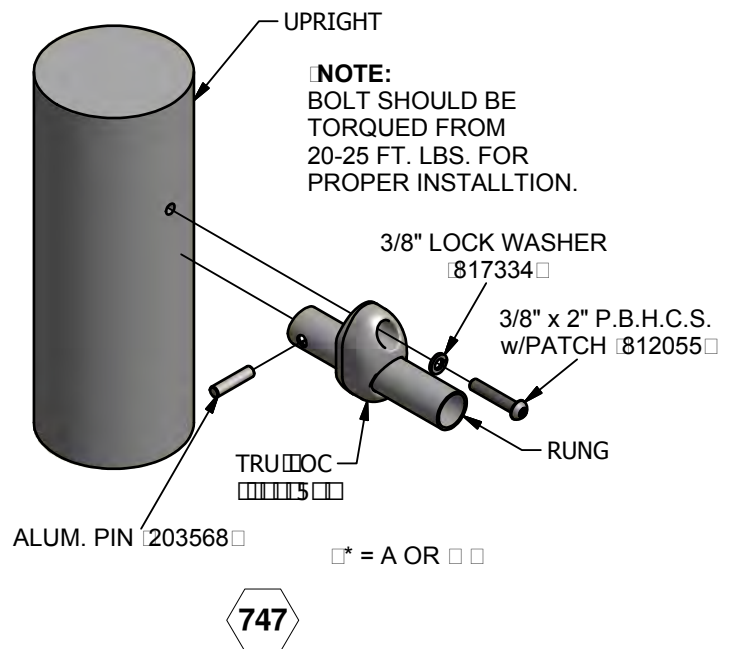
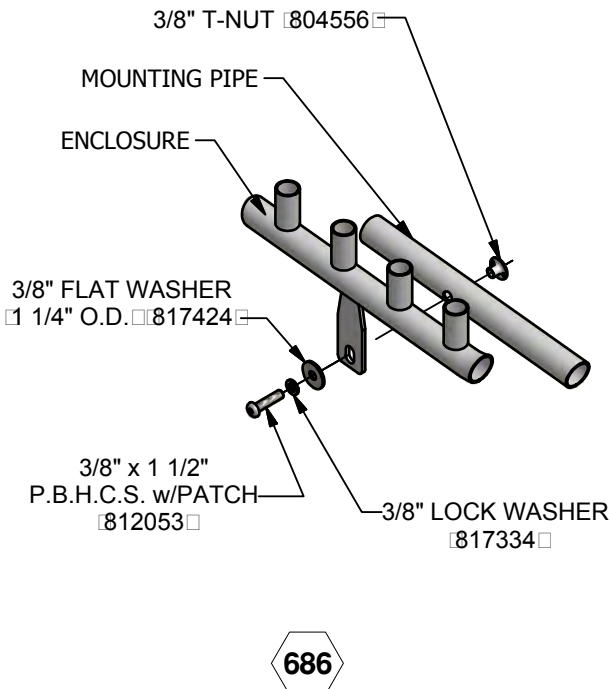
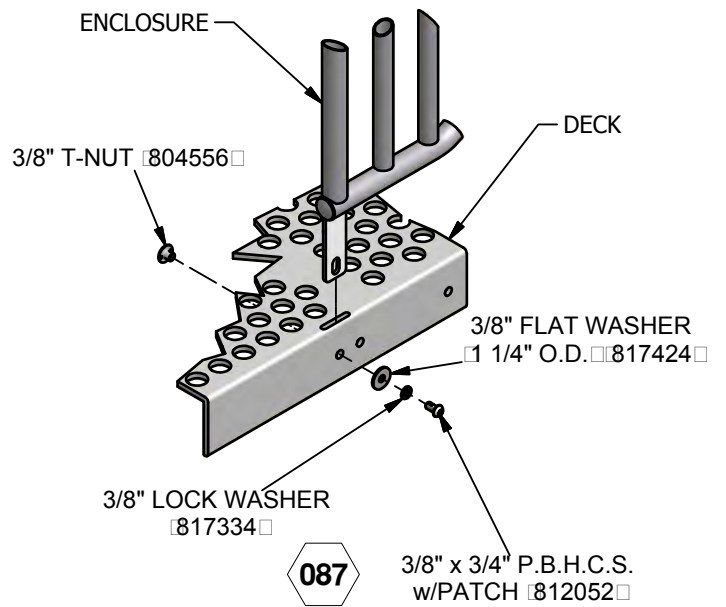
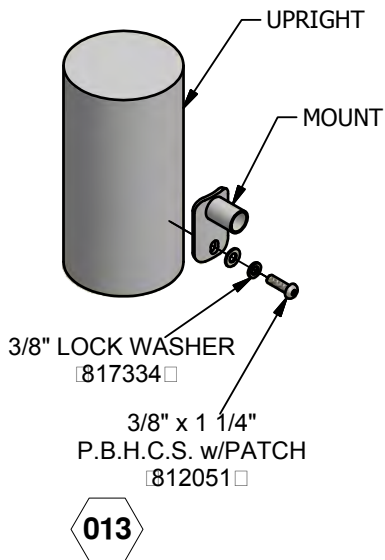
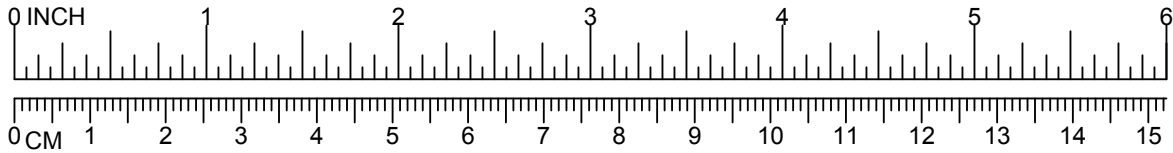
DETAILS -for- 91336, 91337, 91338, 91339, 91340 & 91341

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.



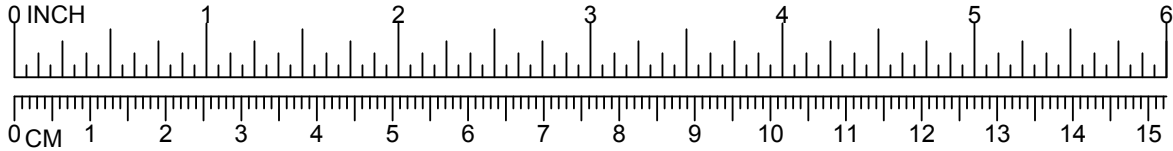
DETAILS -for- 91336, 91337, 91338, 91339, 91340 & 91341

IMPORTANT

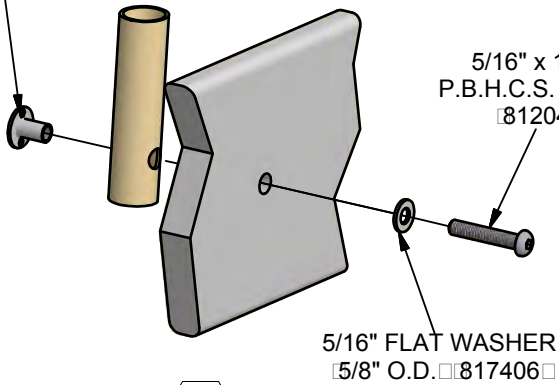
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.

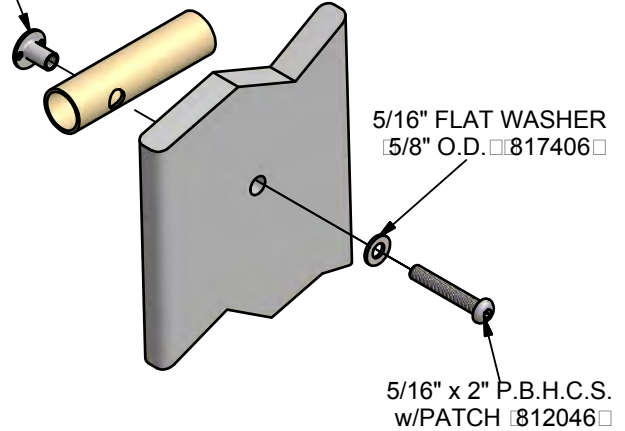


5/16" T-NUT [804555]



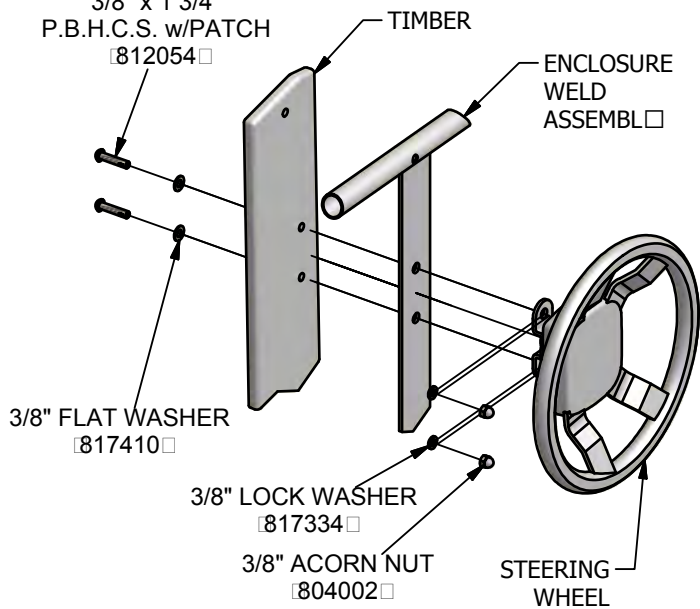
790

5/16" T-NUT [804555]



791

3/8" x 1 3/4"
P.B.H.C.S. w/PATCH
[812054]



851

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/2/2020

91599 HDPE VERTICAL LADDER

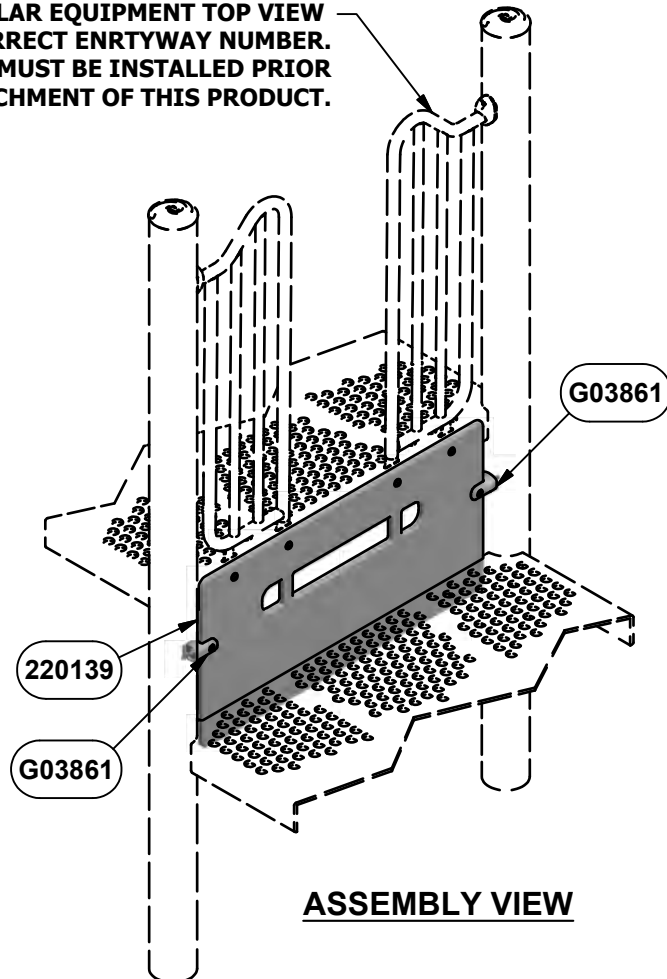


91599
91600
91601
UP TO 5'-0"
DECK HEIGHTS



91599
91600
91601
91602
91603
91604
91605
91606
ALL DECK HEIGHTS

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

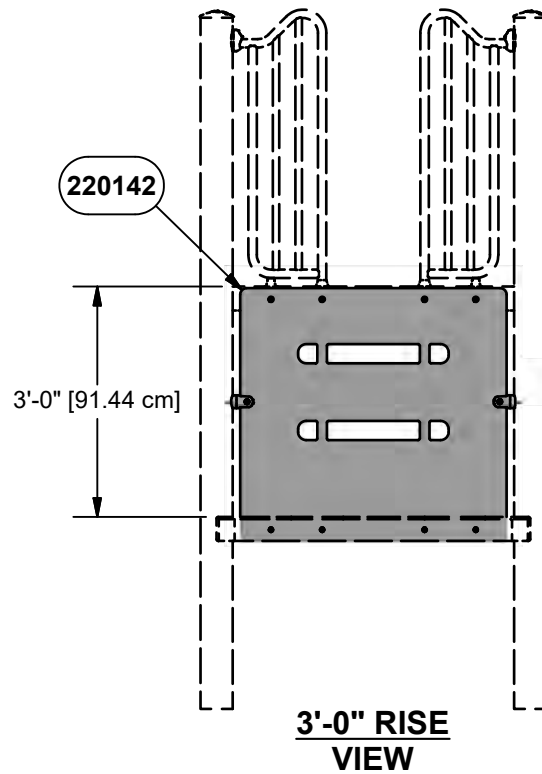
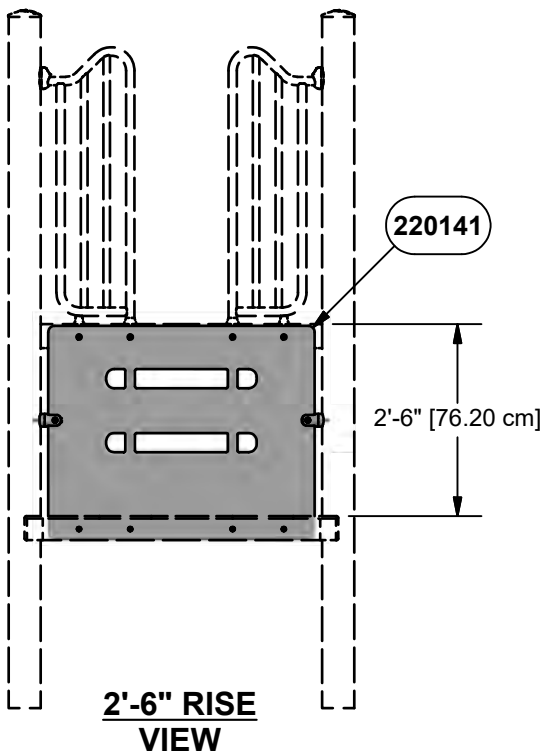
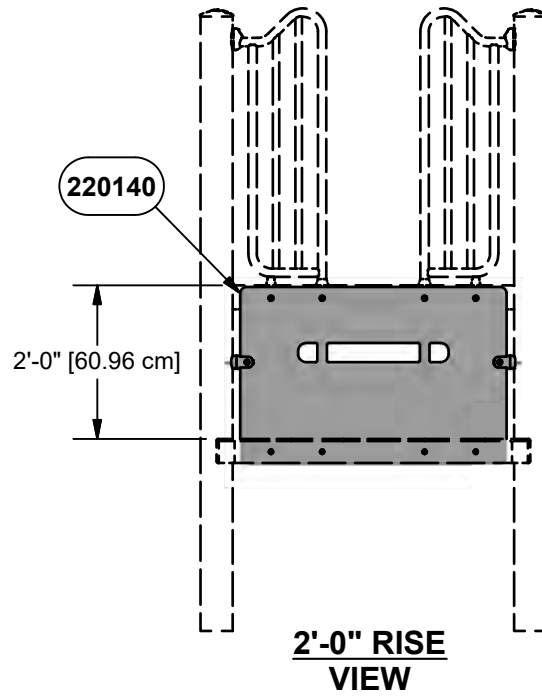
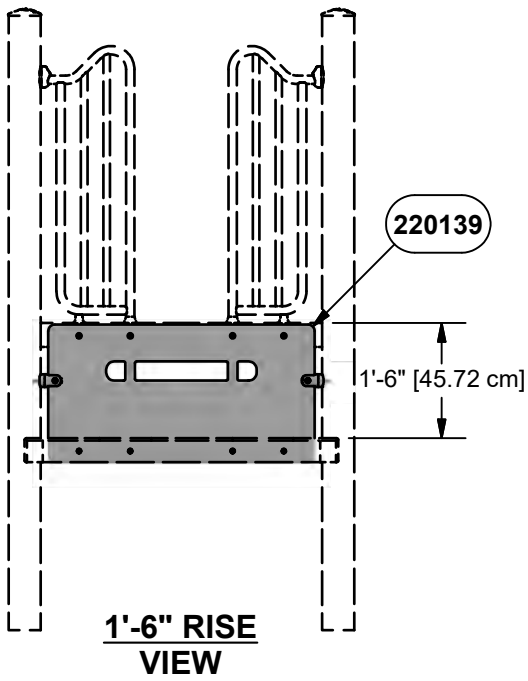


ASSEMBLY VIEW

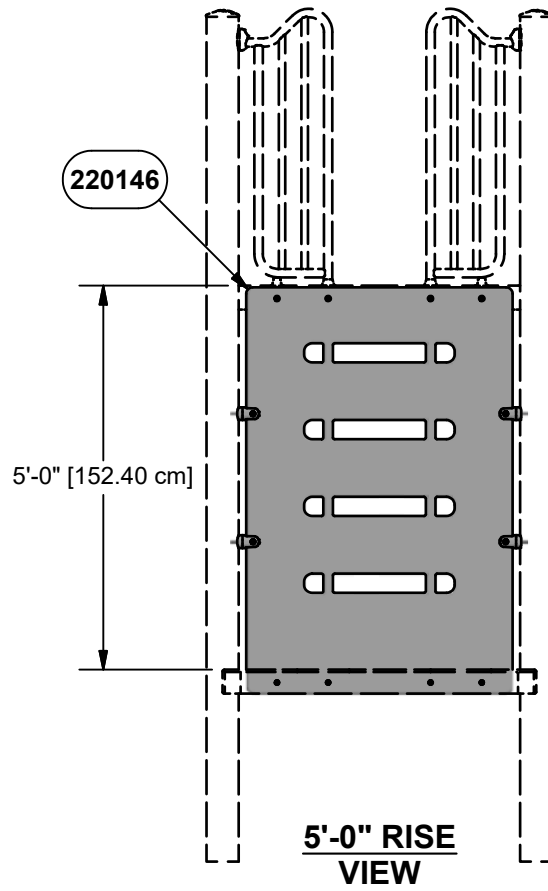
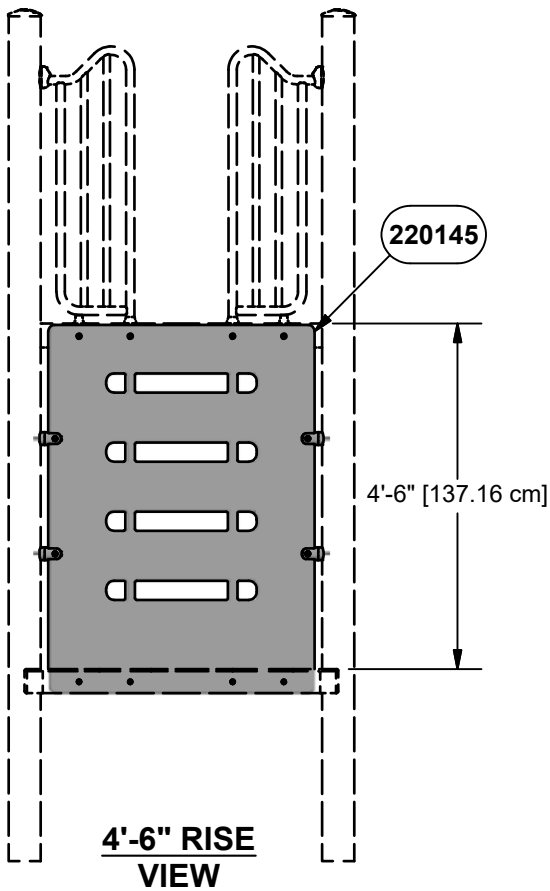
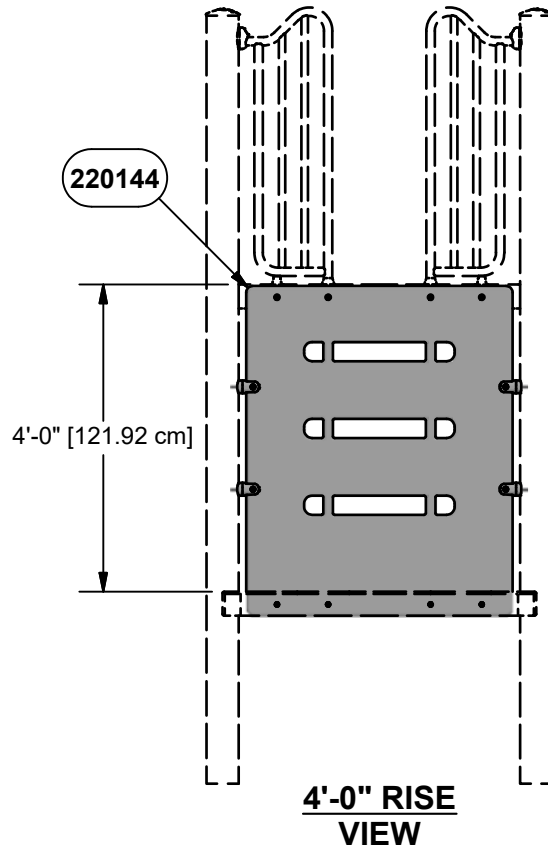
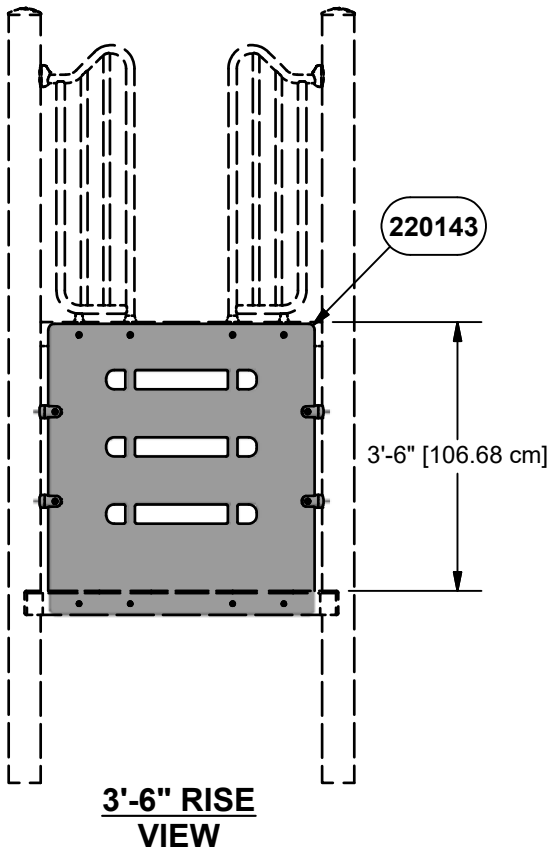
INSTALLATION INSTRUCTIONS

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

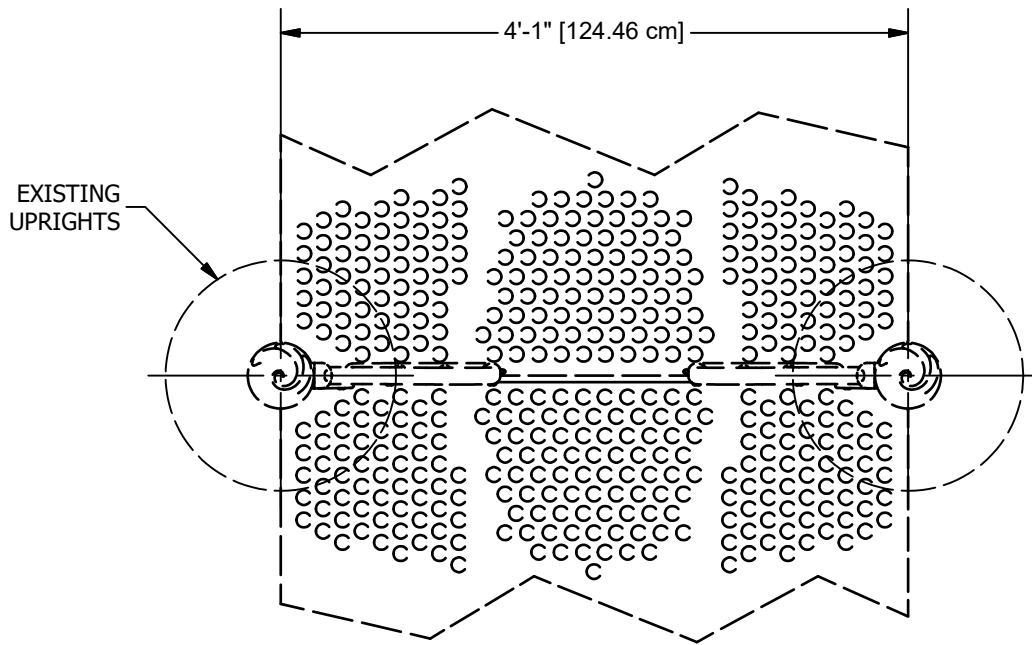
1'-6" RISE	91599
2'-0" RISE	91600
2'-6" RISE	91601
3'-0" RISE	91602
3'-6" RISE	91603
4'-0" RISE	91604
4'-6" RISE	91605
5'-0" RISE	91606



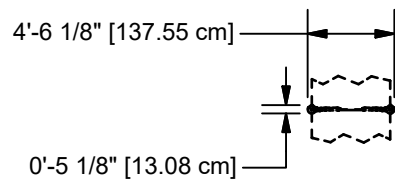
**DECK HEIGHT
ELEVATIONS**



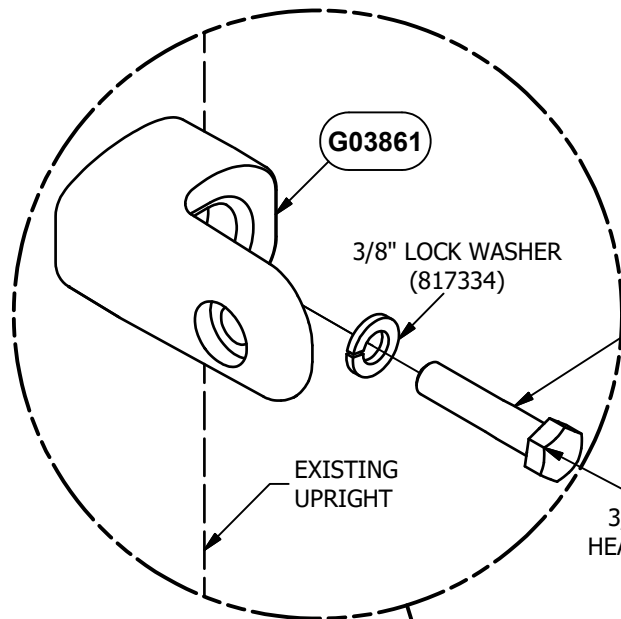
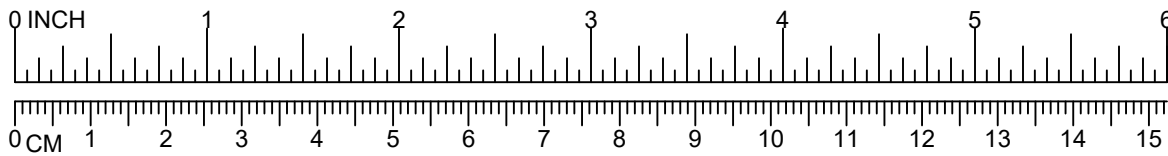
DECK HEIGHT ELEVATIONS



PLAN VIEW

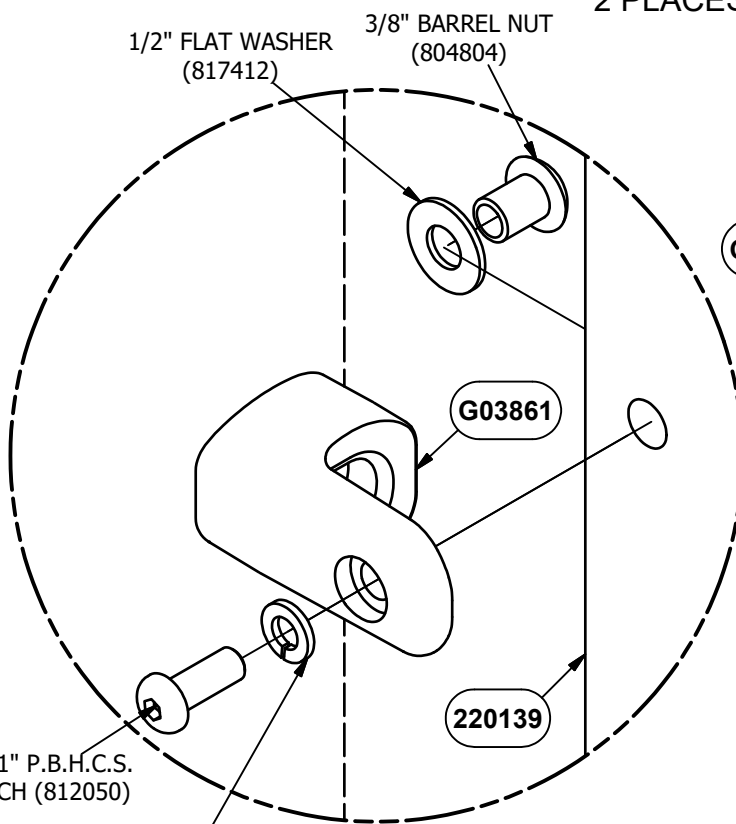


TOP VIEW

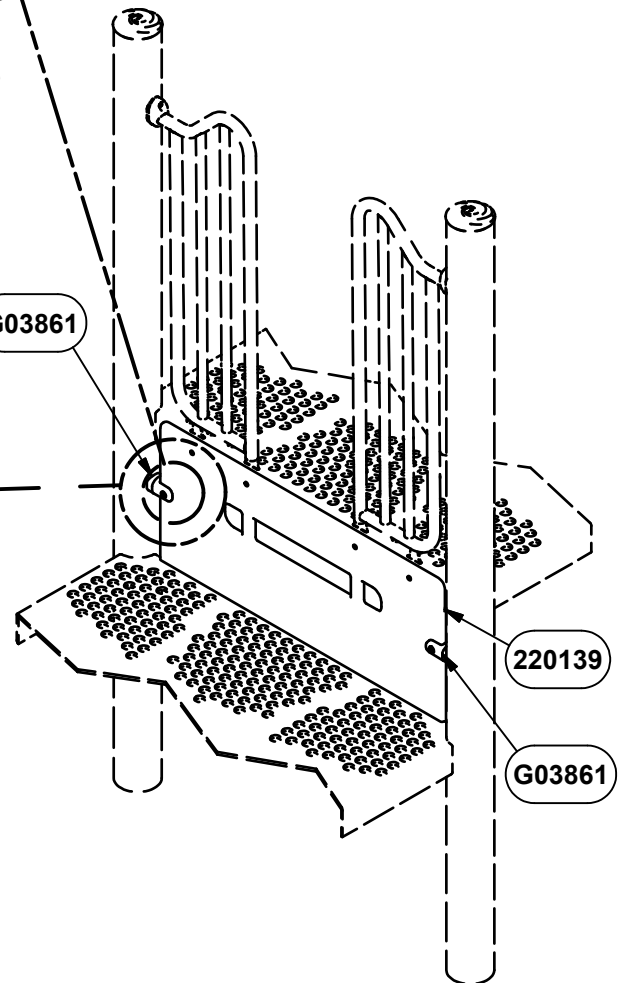


NOTE: BOLT SHOULD BE TORQUED FROM 20-25 FT. LBS FOR PROPER INSTALLATION.

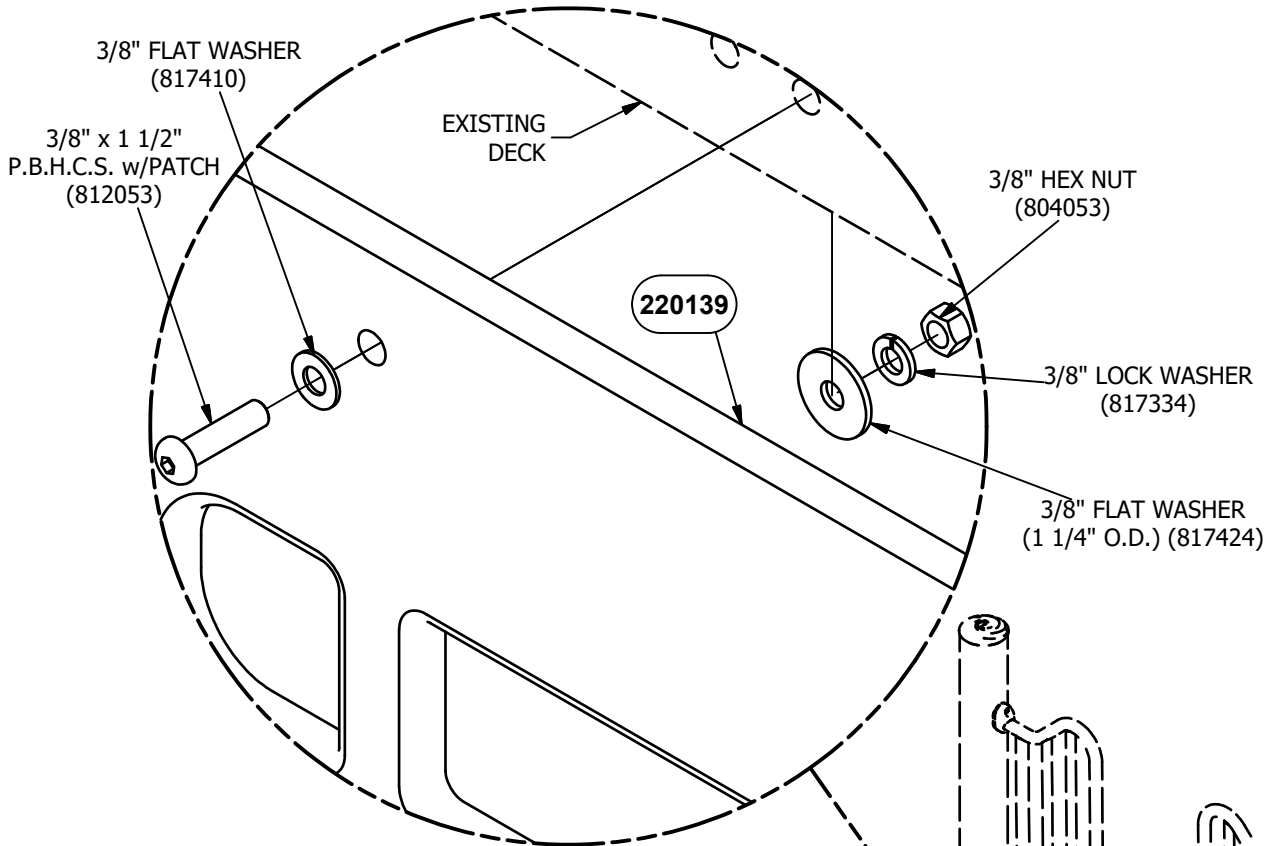
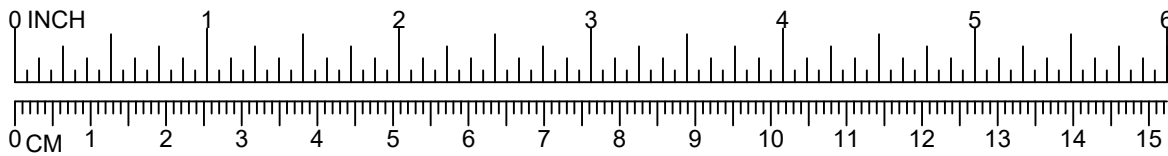
STEP 1
2 PLACES



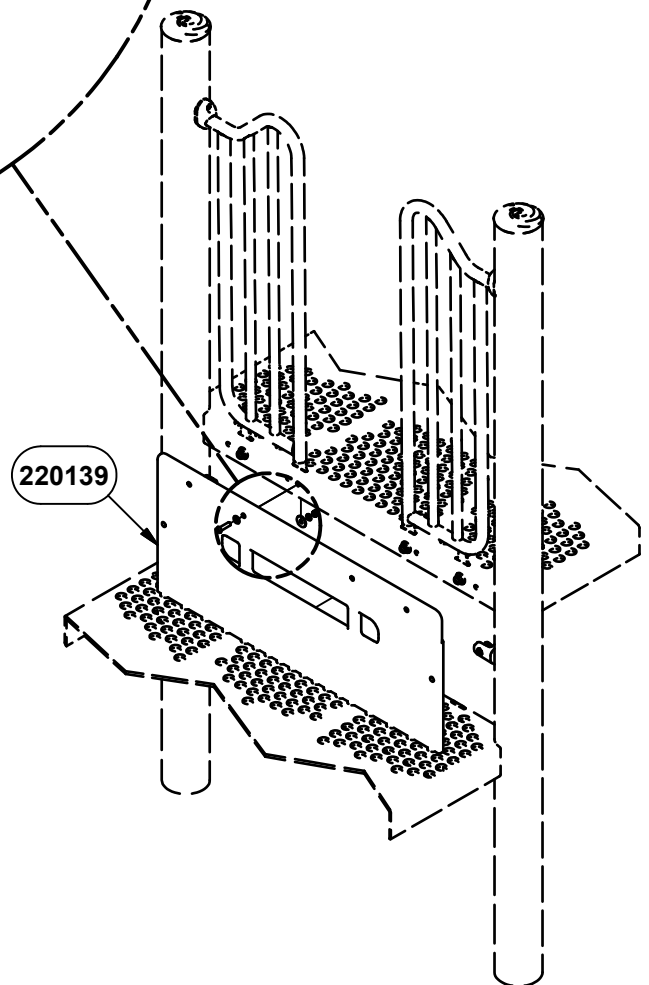
STEP 2
2 PLACES



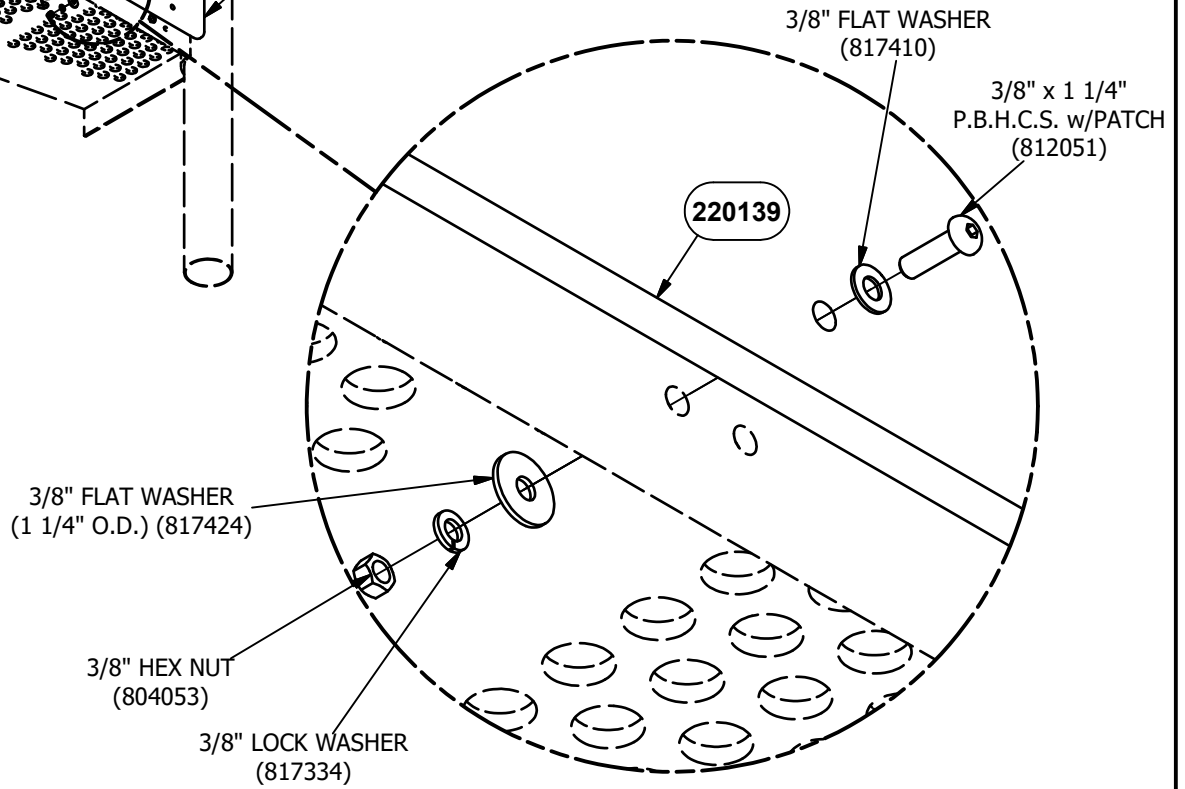
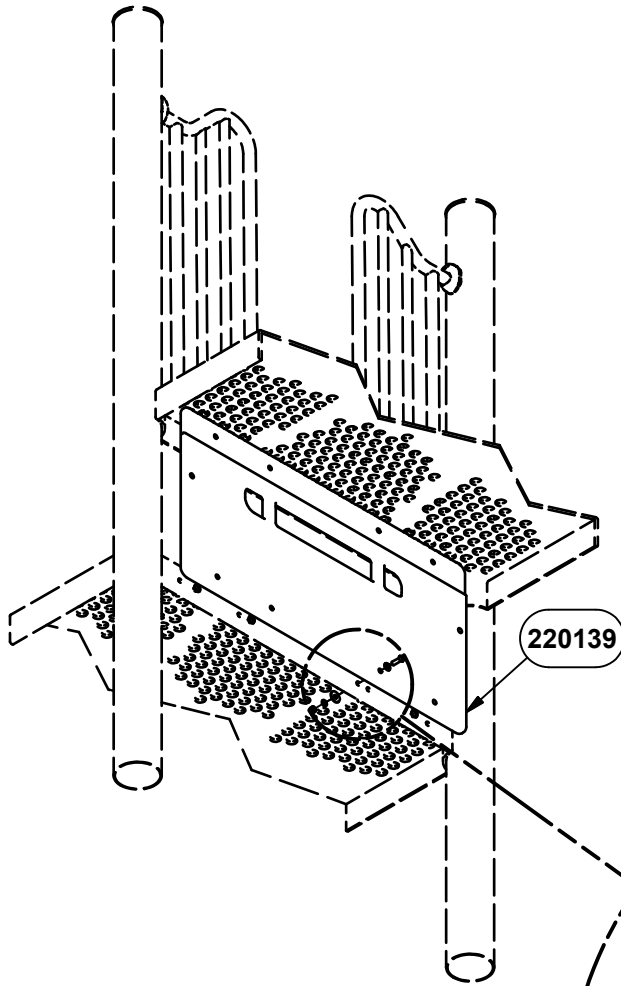
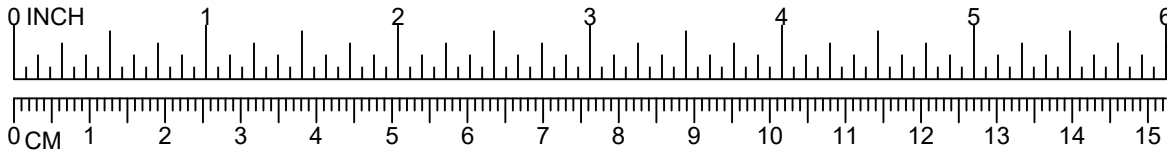
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



STEP 3
4 PLACES



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



STEP 4
4 PLACES

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

DETAIL VIEW

Parts List									
DESCRIPTION	91599	91600	91601	91602	91603	91604	91605	91606	PART NUMBER
HDPE LADDER PANEL	1	0	0	0	0	0	0	0	220139
HDPE LADDER PANEL	0	1	0	0	0	0	0	0	220140
HDPE LADDER PANEL	0	0	1	0	0	0	0	0	220141
HDPE LADDER PANEL	0	0	0	1	0	0	0	0	220142
HDPE LADDER PANEL	0	0	0	0	1	0	0	0	220143
HDPE LADDER PANEL	0	0	0	0	0	1	0	0	220144
HDPE LADDER PANEL	0	0	0	0	0	0	1	0	220145
HDPE LADDER PANEL	0	0	0	0	0	0	0	1	220146
TRU-LOC PANEL ATTACHMENT	2	2	2	2	4	4	4	4	G03861
HARDWARE COMPLETE	1	1	1	1	0	0	0	0	220163
HARDWARE COMPLETE	0	0	0	0	1	1	1	1	220164
3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	4	4	4	4	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	4	4	812051*
3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	4	4	812053*
3/8" x 1 3/4" HEX HEAD BOLT	2	2	2	2	4	4	4	4	801006*
3/8" FLAT WASHER (1 1/4" O.D.)	8	8	8	8	8	8	8	8	817424*
3/8" FLAT WASHER	8	8	8	8	8	8	8	8	817410*
3/8" LOCK WASHER	12	12	12	12	16	16	16	16	817334*
3/8" BARREL NUT	2	2	2	2	4	4	4	4	804804*
3/8" HEX NUT	8	8	8	8	8	8	8	8	804053*
1/2" FLAT WASHER	2	2	2	2	4	4	4	4	817412*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

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

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

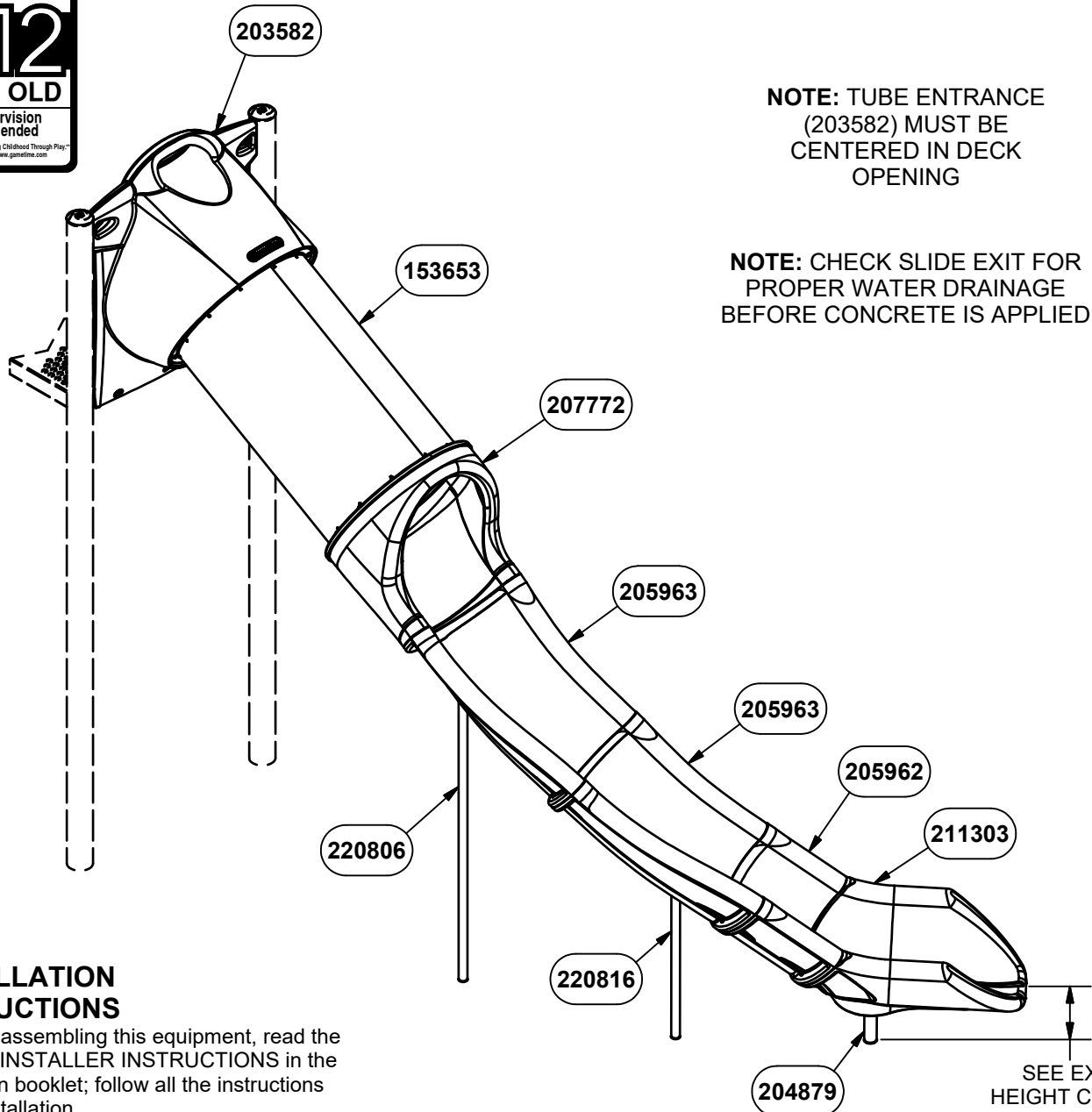
Note: Loctite (supplied by others) should be used on any non-patch hardware.

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

MAINTENANCE PROCEDURE:

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

This play equipment
is designed for
CHILDREN
5 TO 12
YEARS OLD
Adult supervision
is recommended
Enriching Childhood Through Play™
www.gametime.com



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

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

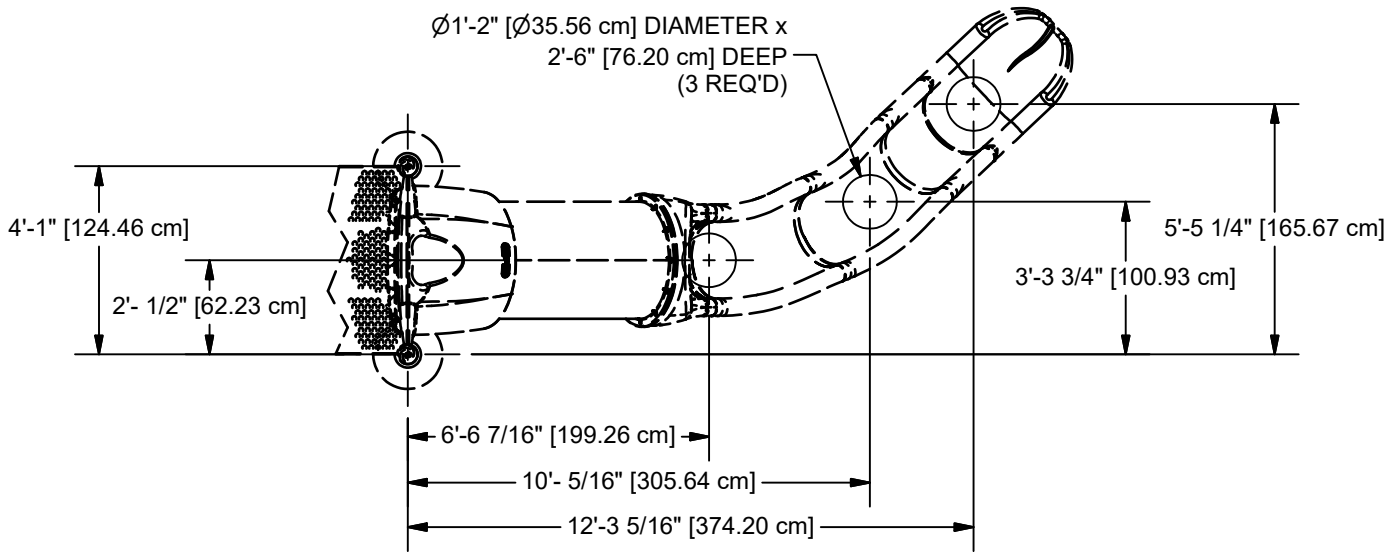
INSTALLATION INSTRUCTIONS

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

ASSEMBLY VIEW

SEE EXIT HEIGHT CHART

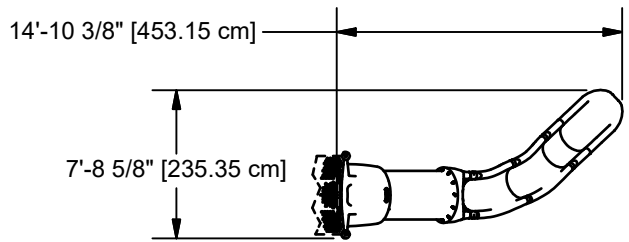
EXIT HEIGHT CHART	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	7" TO 15"
CSA	175mm TO 380mm
EN	350mm OR LESS



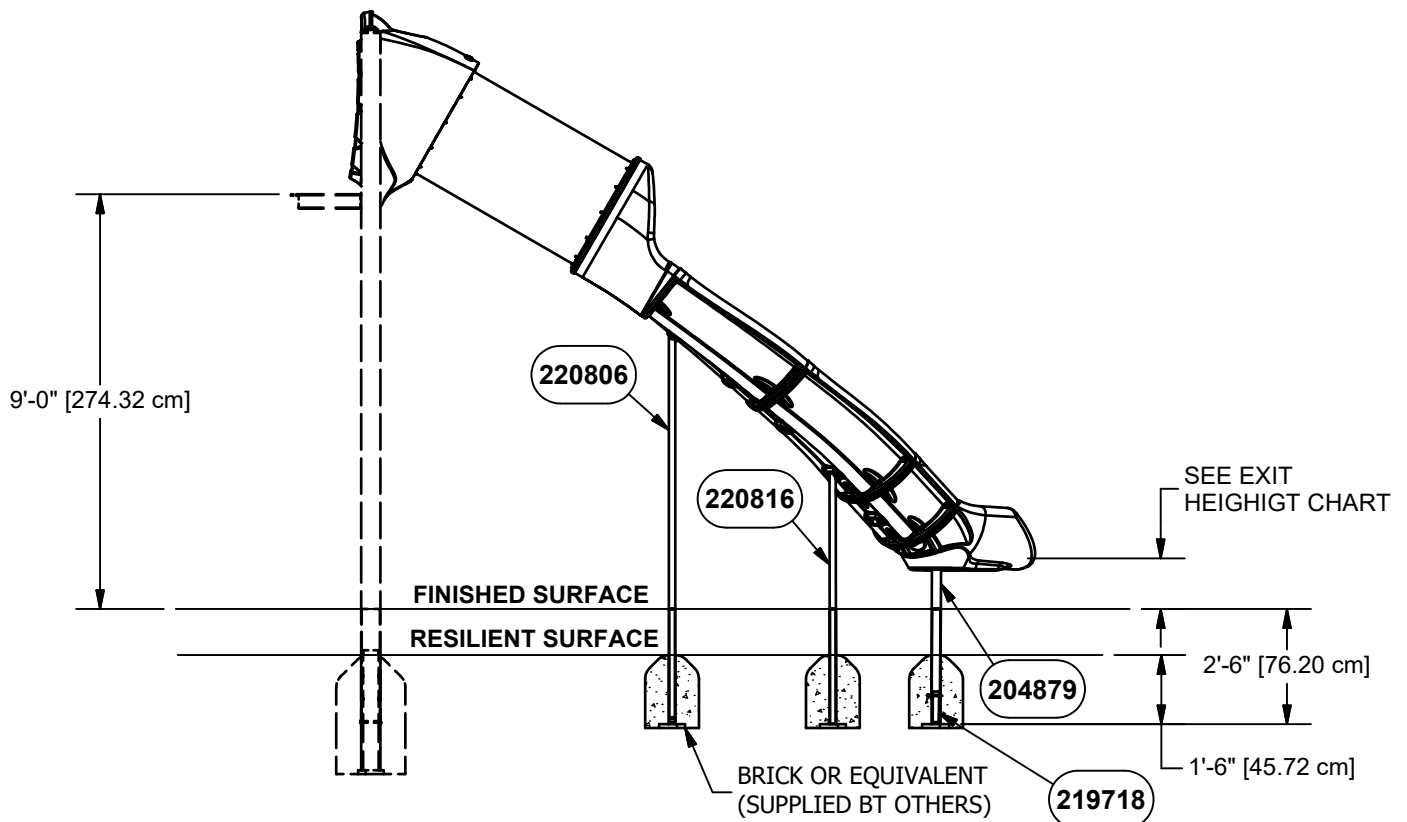
PLAN VIEW

CONCRETE REQUIRED:
 .18 CUBIC YARDS
 [.14 CUBIC METERS]

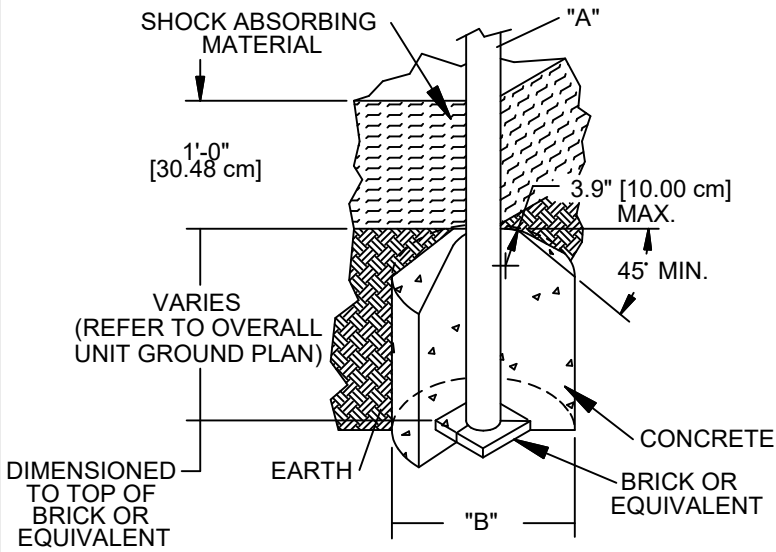
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW



ELEVATION VIEW



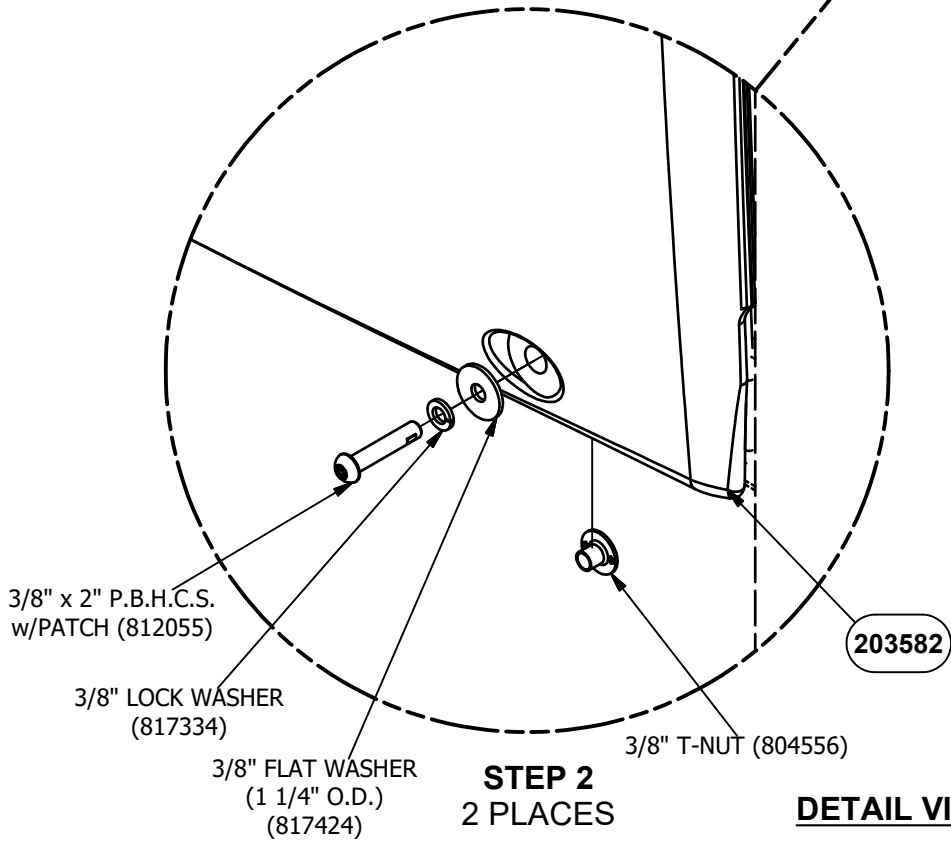
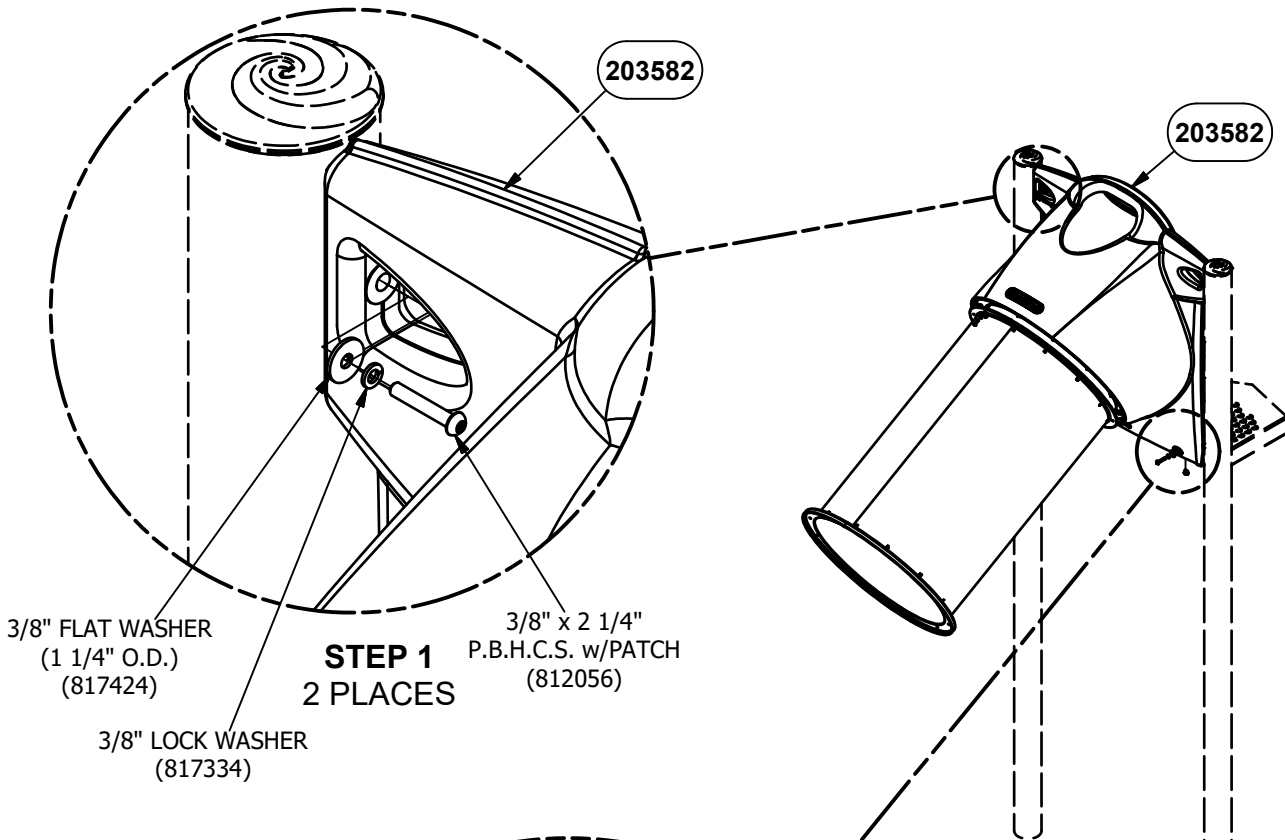
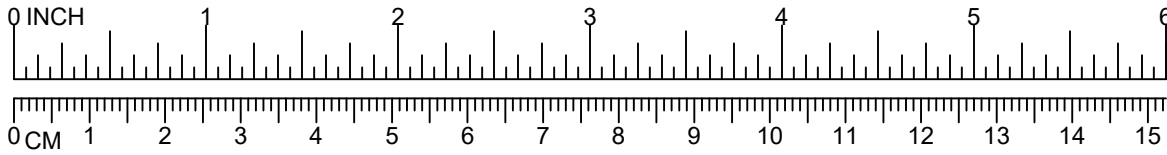
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

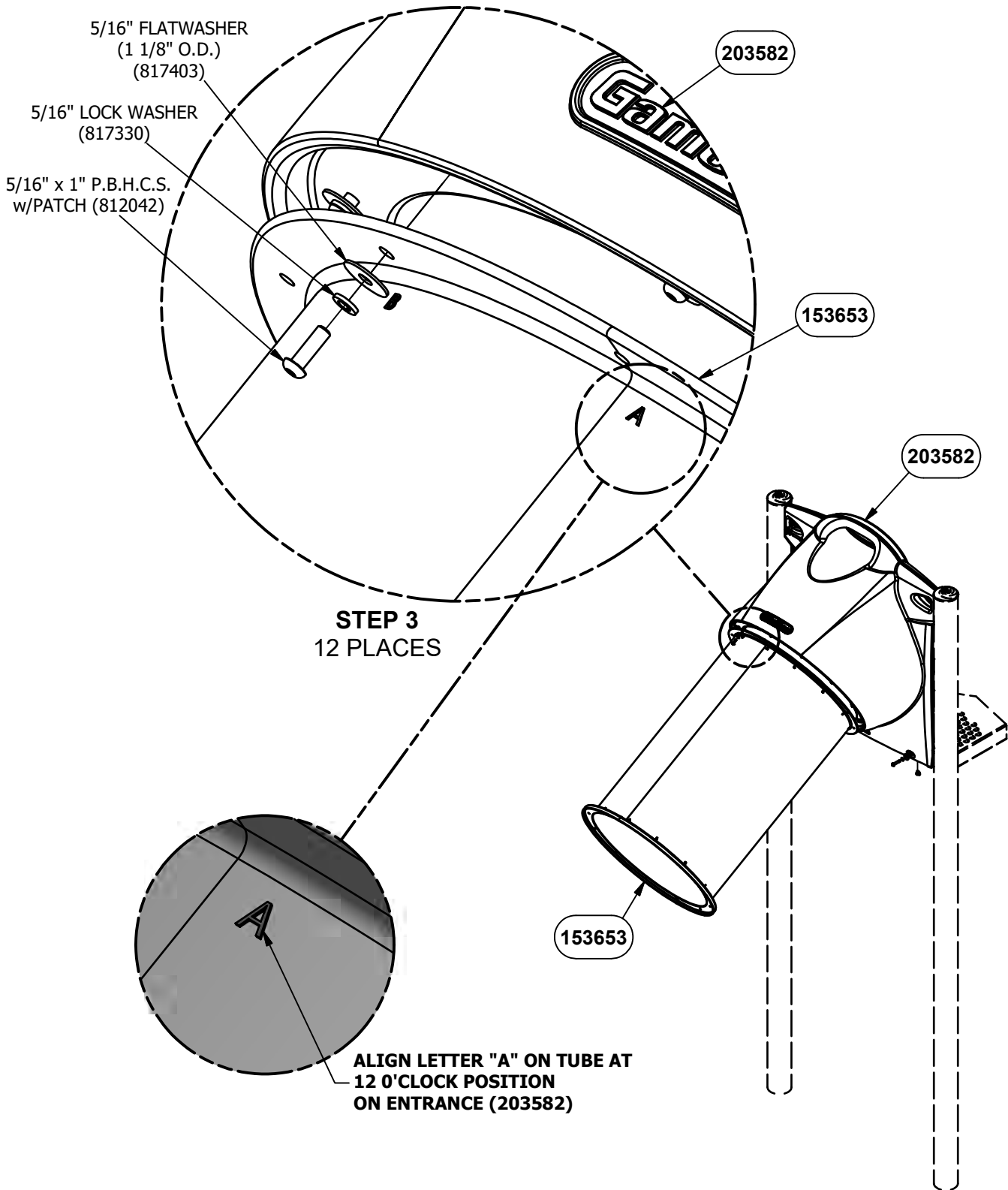
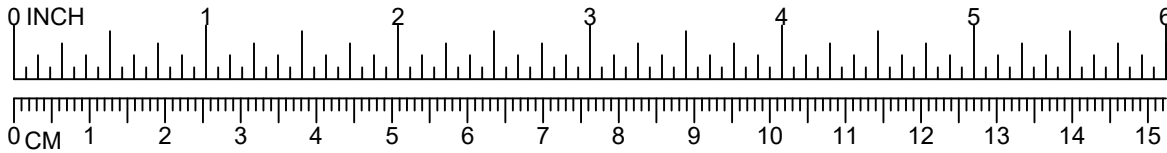
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL

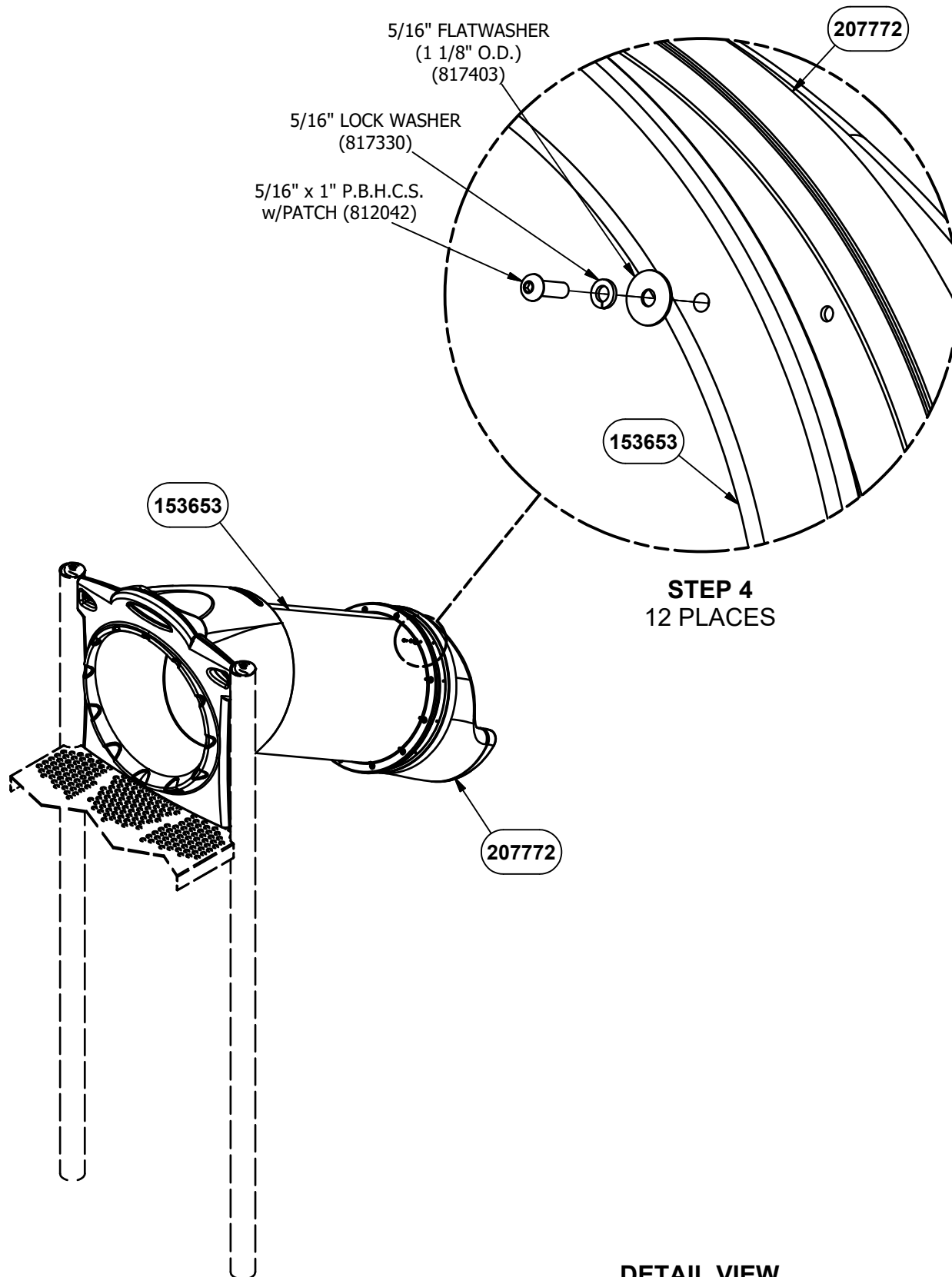
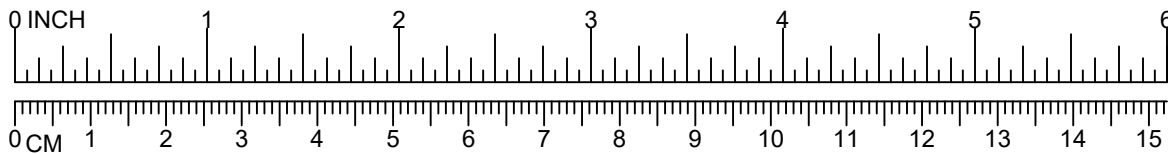


NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

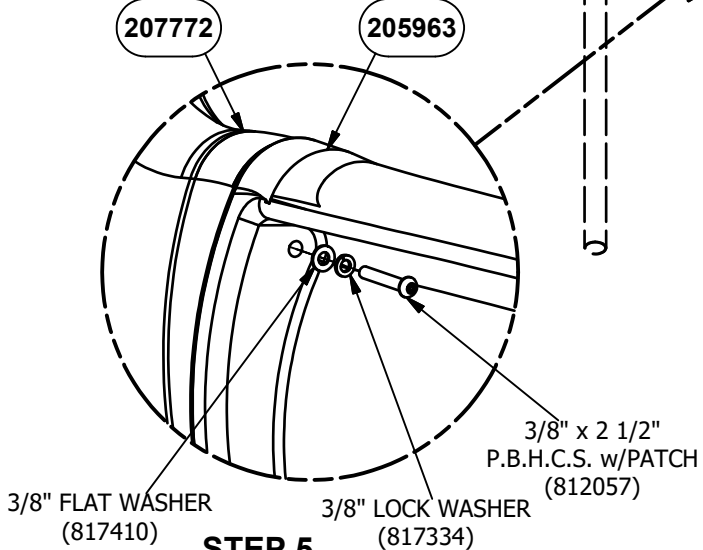
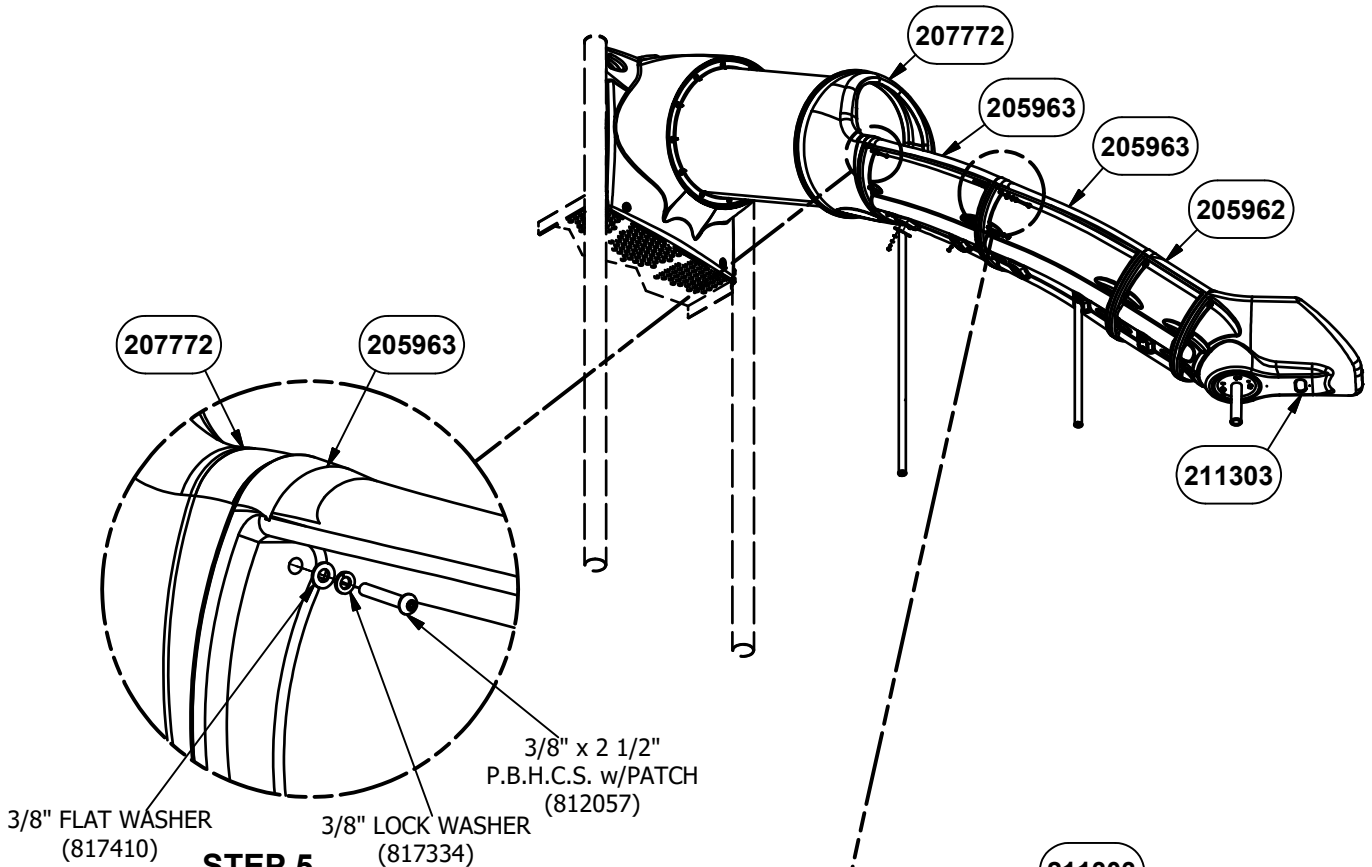
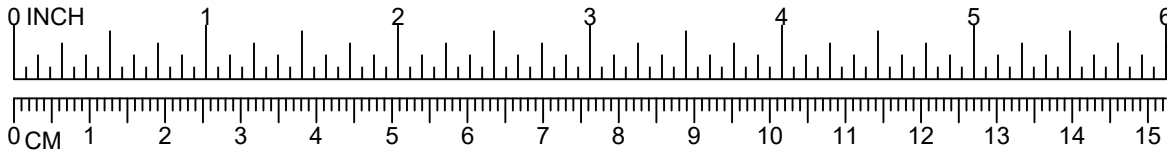


DETAIL VIEW

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

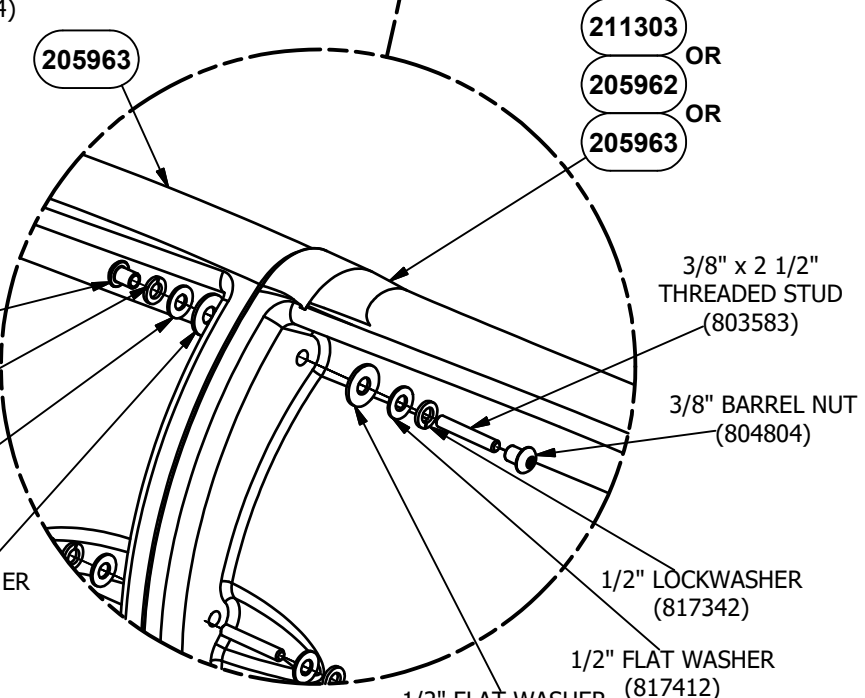


**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



STEP 5
5 PLACES

3/8" FLAT WASHER (817410) 3/8" LOCK WASHER (817334)



STEP 6
6 PLACES

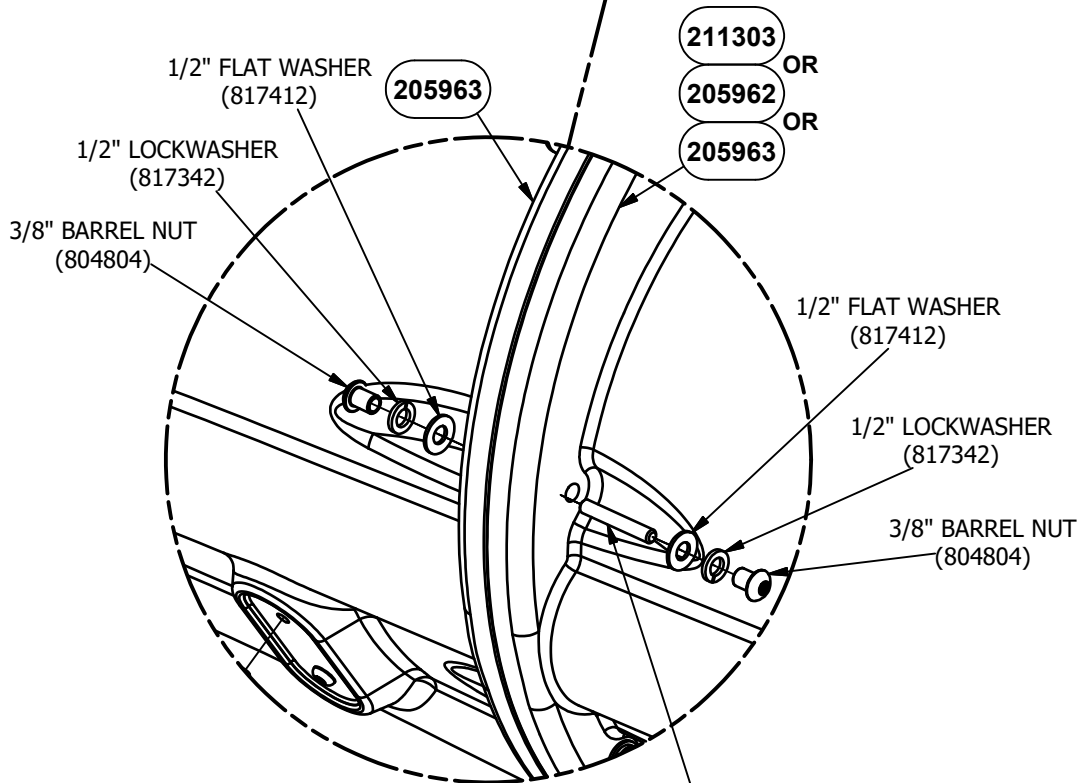
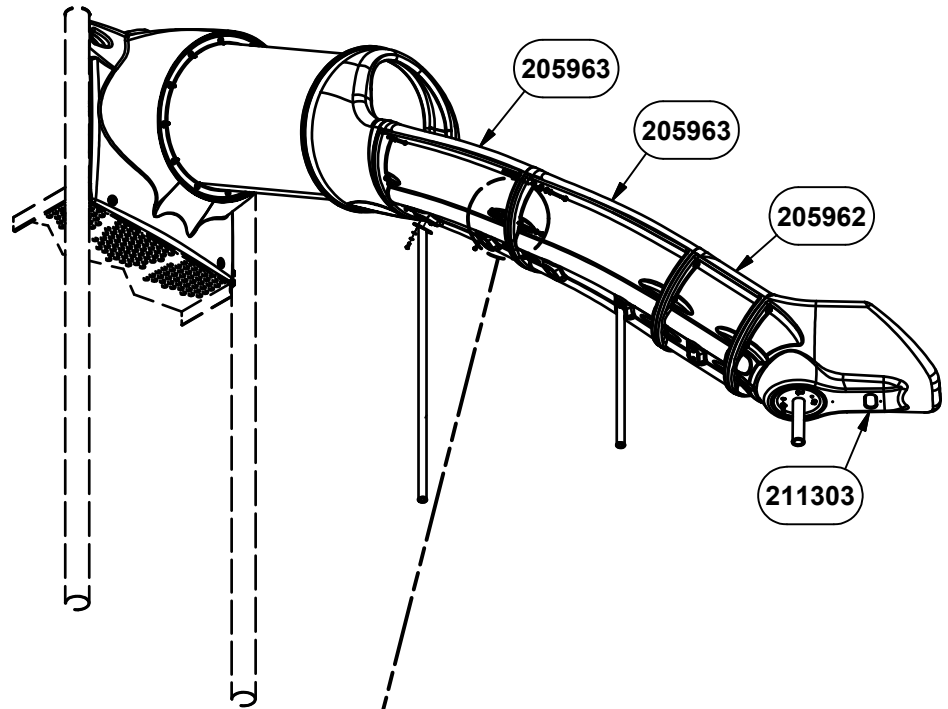
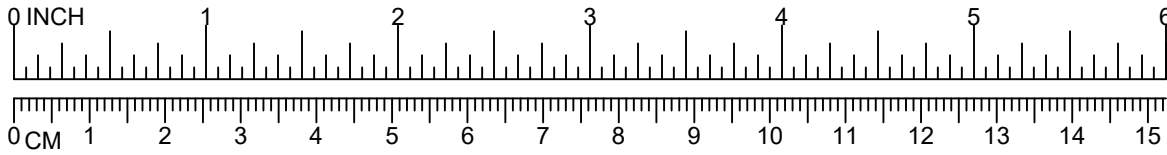
3/8" BARREL NUT (804804) 3/8" x 2 1/2" THREADED STUD (803583)
 1/2" LOCKWASHER (817342) 3/8" BARREL NUT (804804)
 1/2" FLAT WASHER (817412) 1/2" LOCKWASHER (817342)
 1/2" FLAT WASHER (1 3/8" O.D.) (817425) 1/2" FLAT WASHER (817412)
 1/2" FLAT WASHER (1 3/8" O.D.) (817425)

211303 OR
205962 OR
205963

**REFER TO FIGURE #1
AND FIGURE #2
ON PAGE 11**

DETAIL VIEW

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



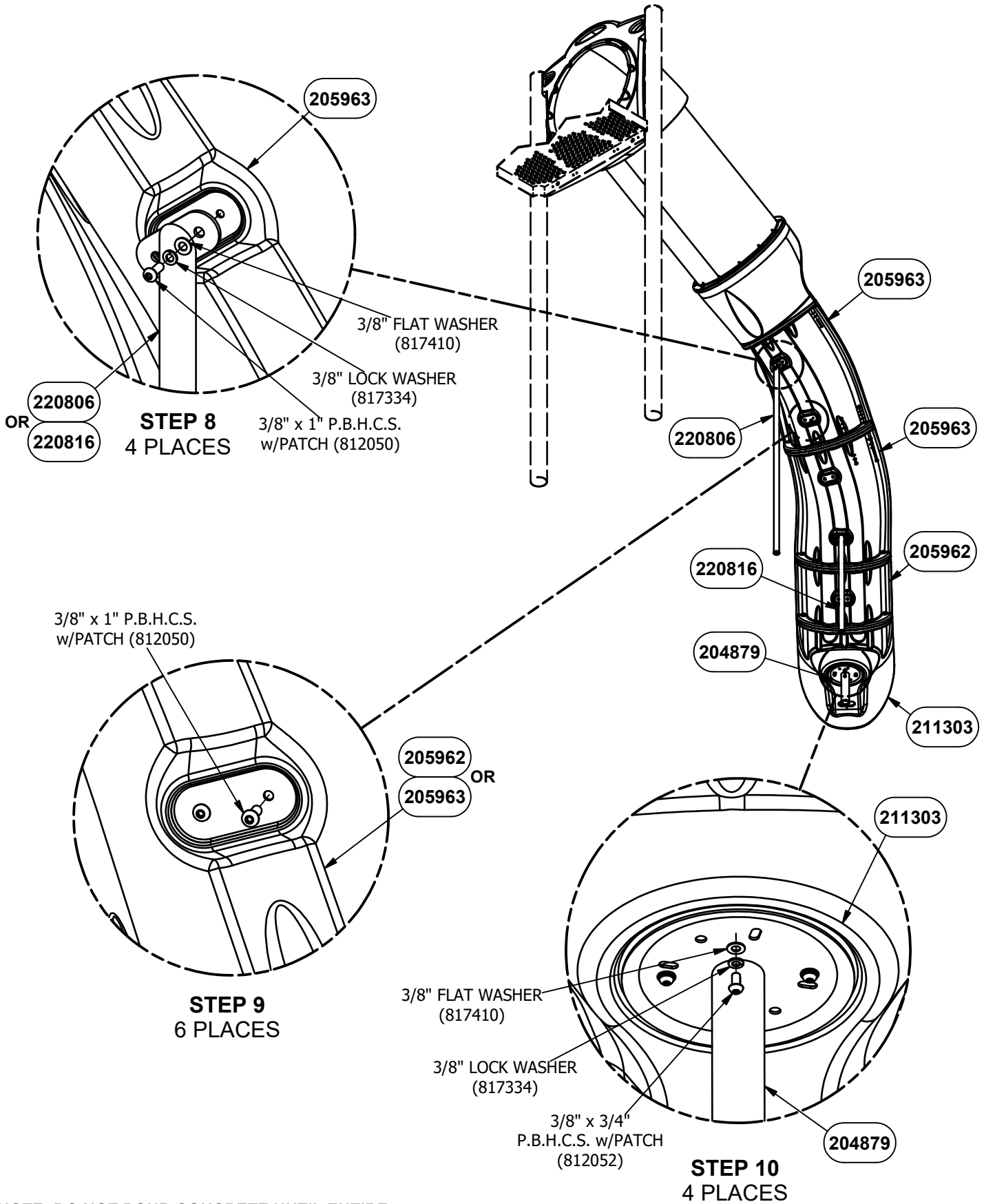
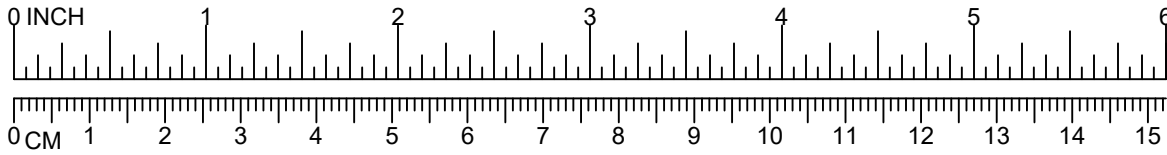
**REFER TO FIGURE #1
AND FIGURE #2
ON PAGE 11**

**STEP 7
9 PLACES**

**3/8" x 2 1/2"
THREADED STUD
(803583)**

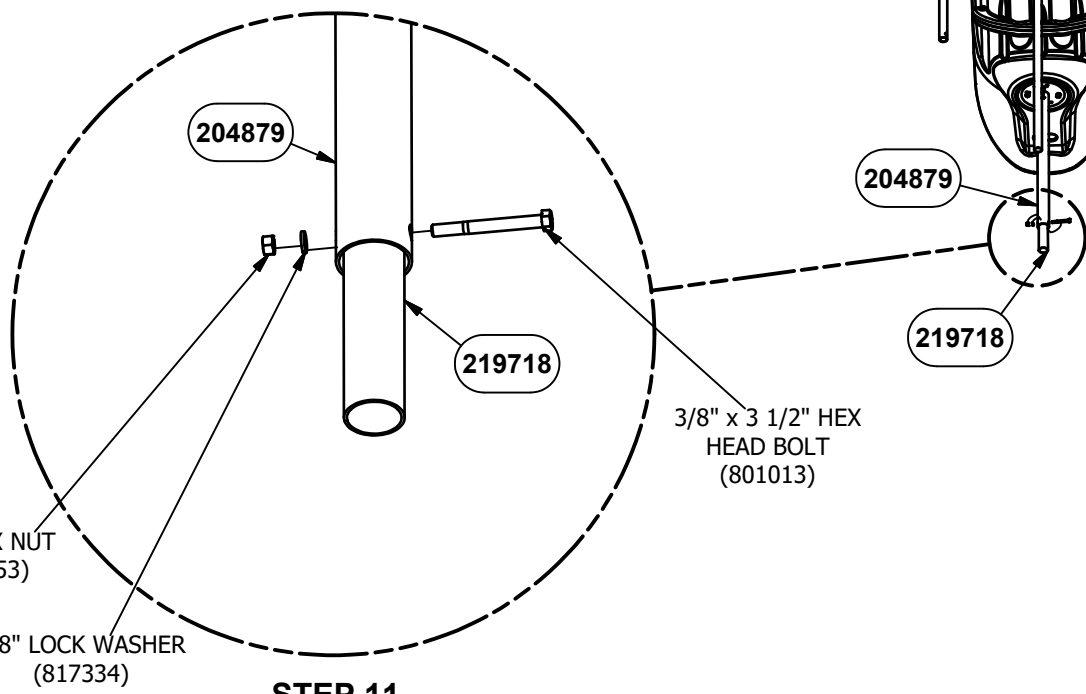
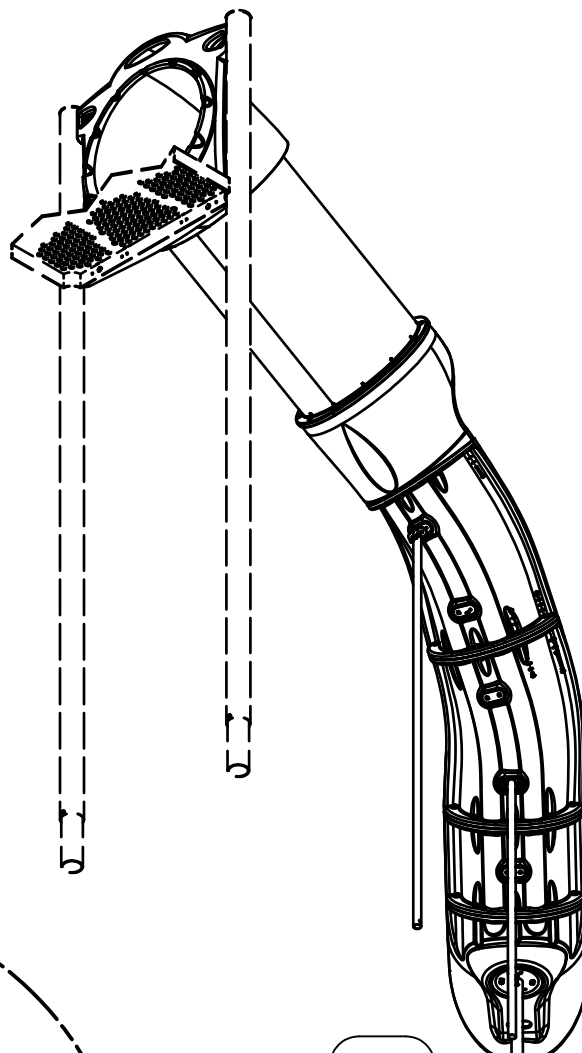
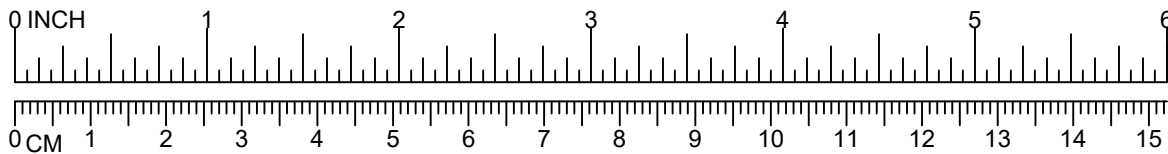
DETAIL VIEW

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



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

DETAIL VIEW



STEP 11

DETAIL VIEW

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

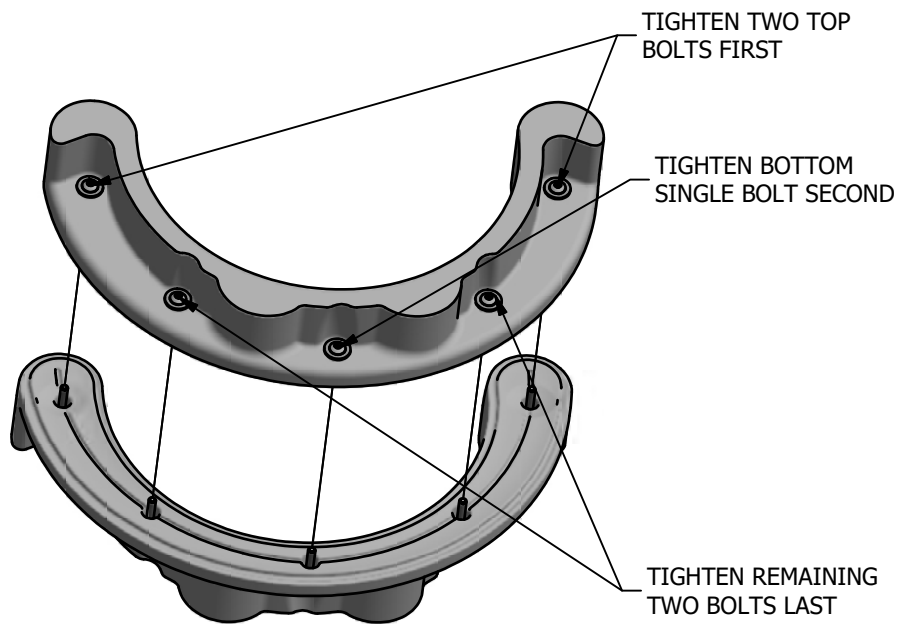


FIGURE #1

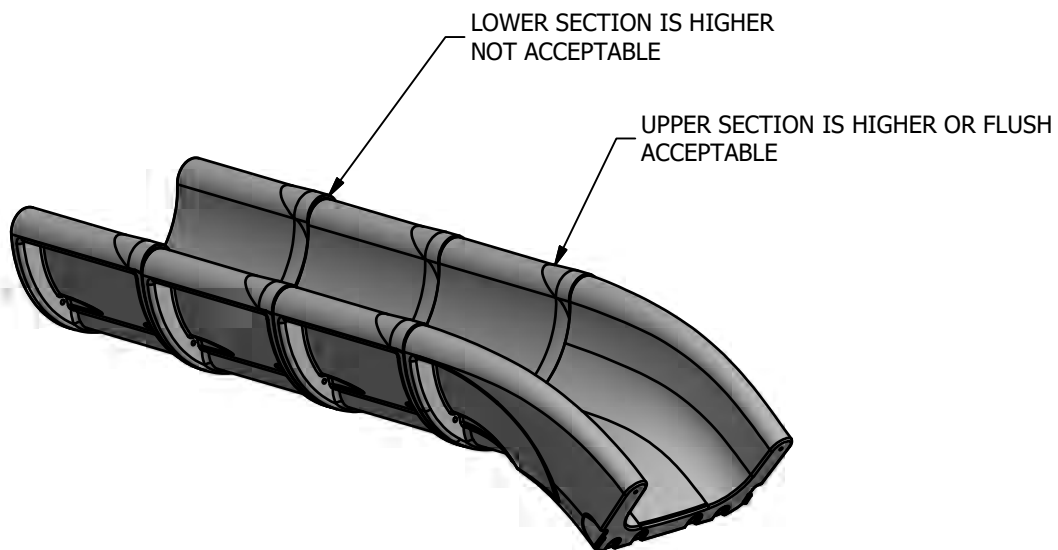


FIGURE #2

Parts List		
DESCRIPTION	QTY	PART NUMBER
TUBE ENTRANCE	1	203582
49" TUBE SECTION (Ø30")	1	153653
WILDERTUBE SECTION	1	207772
STRAIGHT SECTION	1	205962
EXIT SECTION	1	211303
FOOTBUCK WELD ASS'Y	1	204879
CURVED LEFT SECTION	2	205963
SUPPORT ASSEMBLY	1	220806
SUPPORT WELD ASSEMBLY	1	220816
8" EXTENSION	1	219718
HARDWARE COMPLETE	1	220824
5/16" x 1" P.B.H.C.S. w/PATCH	24	812042*
5/16" LOCK WASHER	24	817330*
5/16" FLATWASHER (1 1/8" O.D.)	24	817403*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	10	812050*
3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	5	812057*
3/8" x 2 1/2" THREADED STUD	15	803583*
3/8" x 3 1/2" HEX HEAD BOLT	1	801013*
3/8" LOCK WASHER	18	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" FLAT WASHER	13	817410*
3/8" T-NUT	2	804556*
3/8" HEX NUT	1	804053*
3/8" BARREL NUT	30	804804*
1/2" LOCKWASHER	30	817342*
1/2" FLAT WASHER	30	817412*
1/2" FLAT WASHER (1 3/8" O.D.)	12	817425*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

91659

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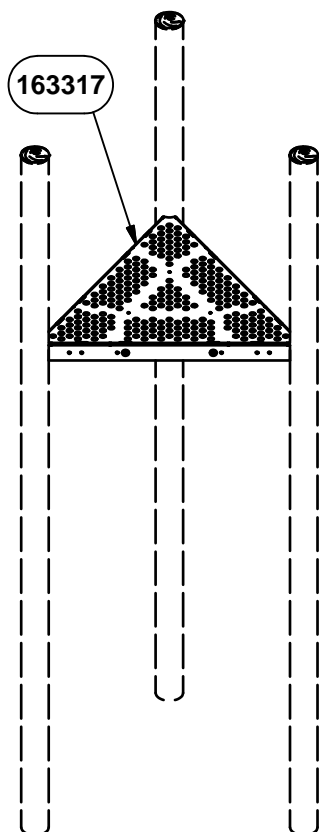
ISSUED/REVISED: 1/5/2022

49" SQUARE DECK 9'

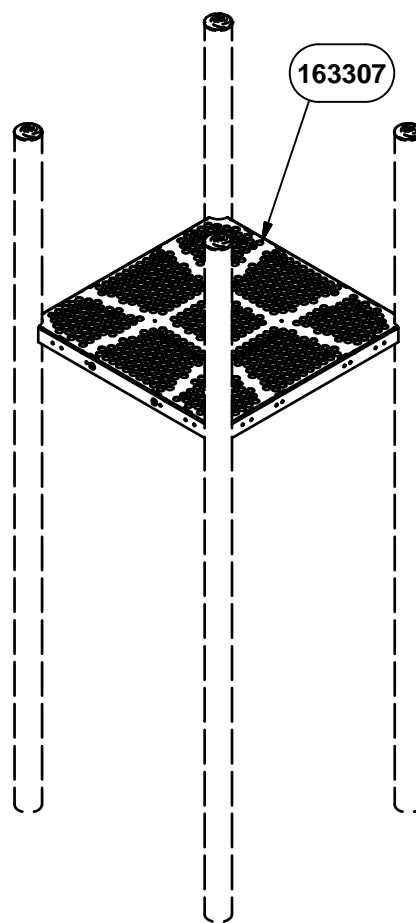
INSTALLATION INSTRUCTIONS

SQUARE 91659
TRIANGLE 91660

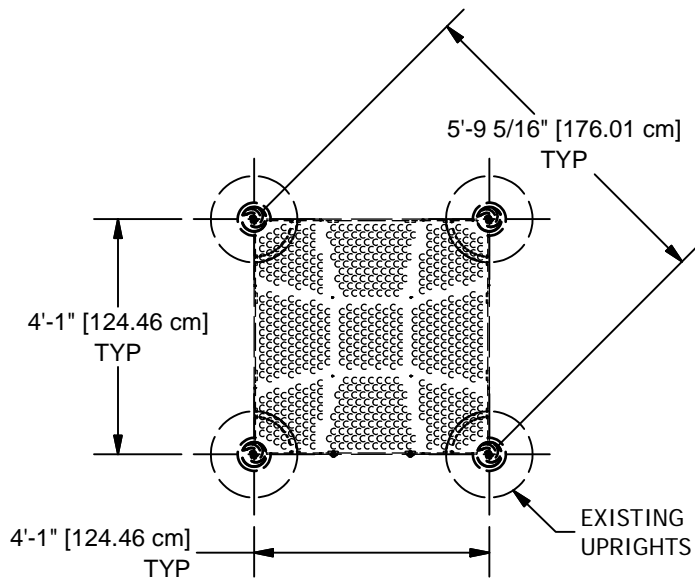
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
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3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



ASSEMBLY VIEW
91660

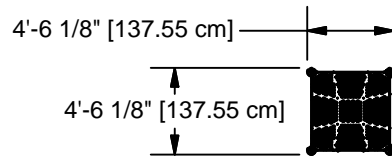


ASSEMBLY VIEW
91659

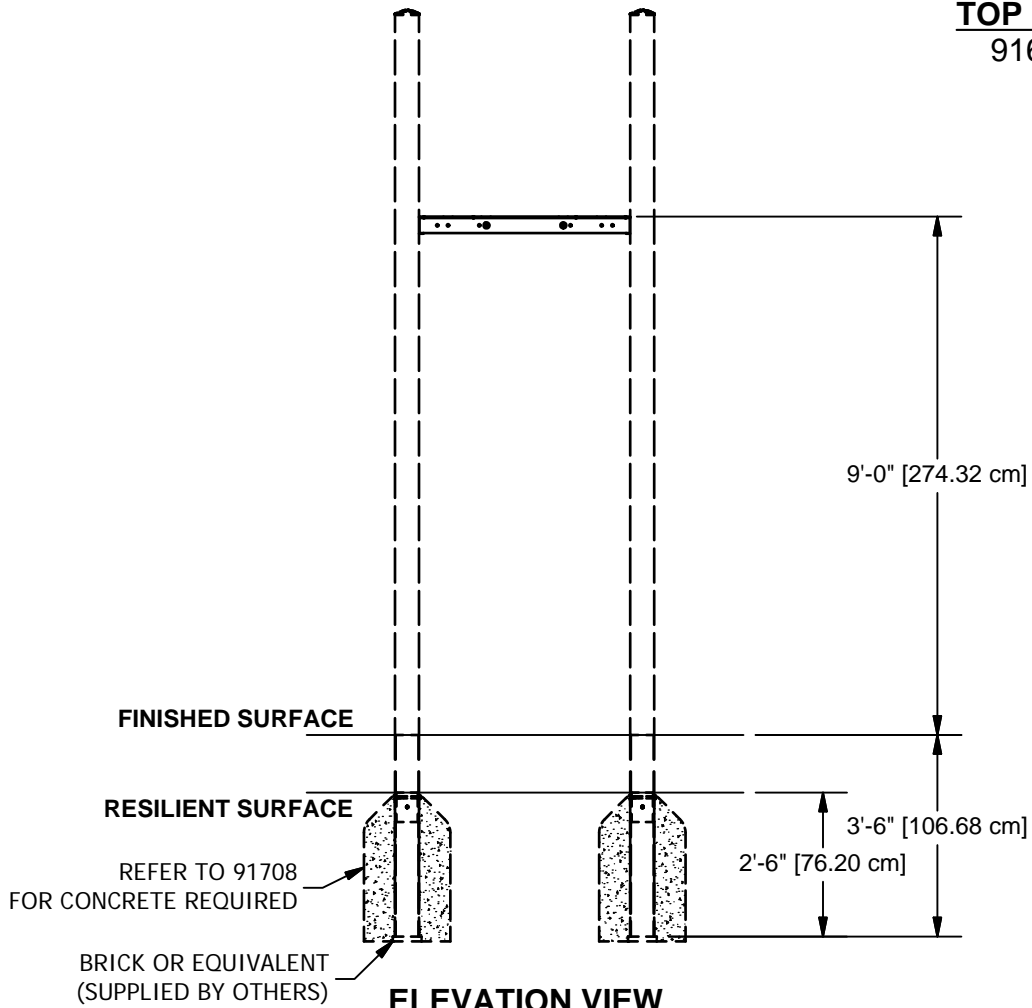


PLAN VIEW
91659

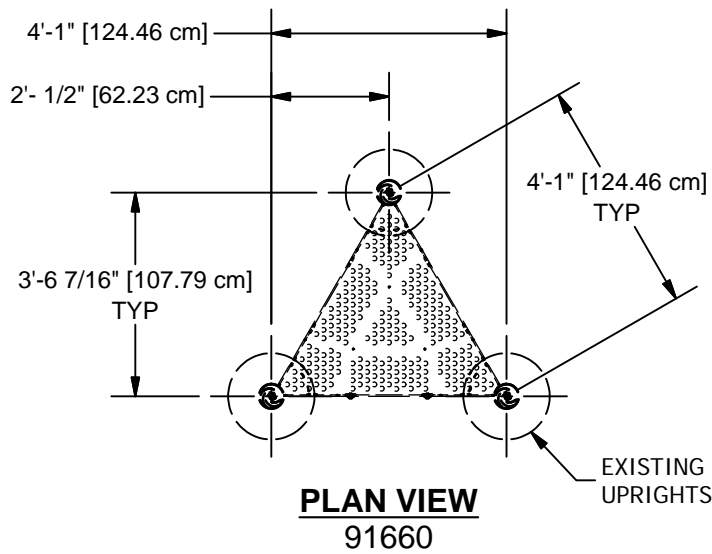
**REFER TO 91708
FOR CONCRETE REQUIRED**



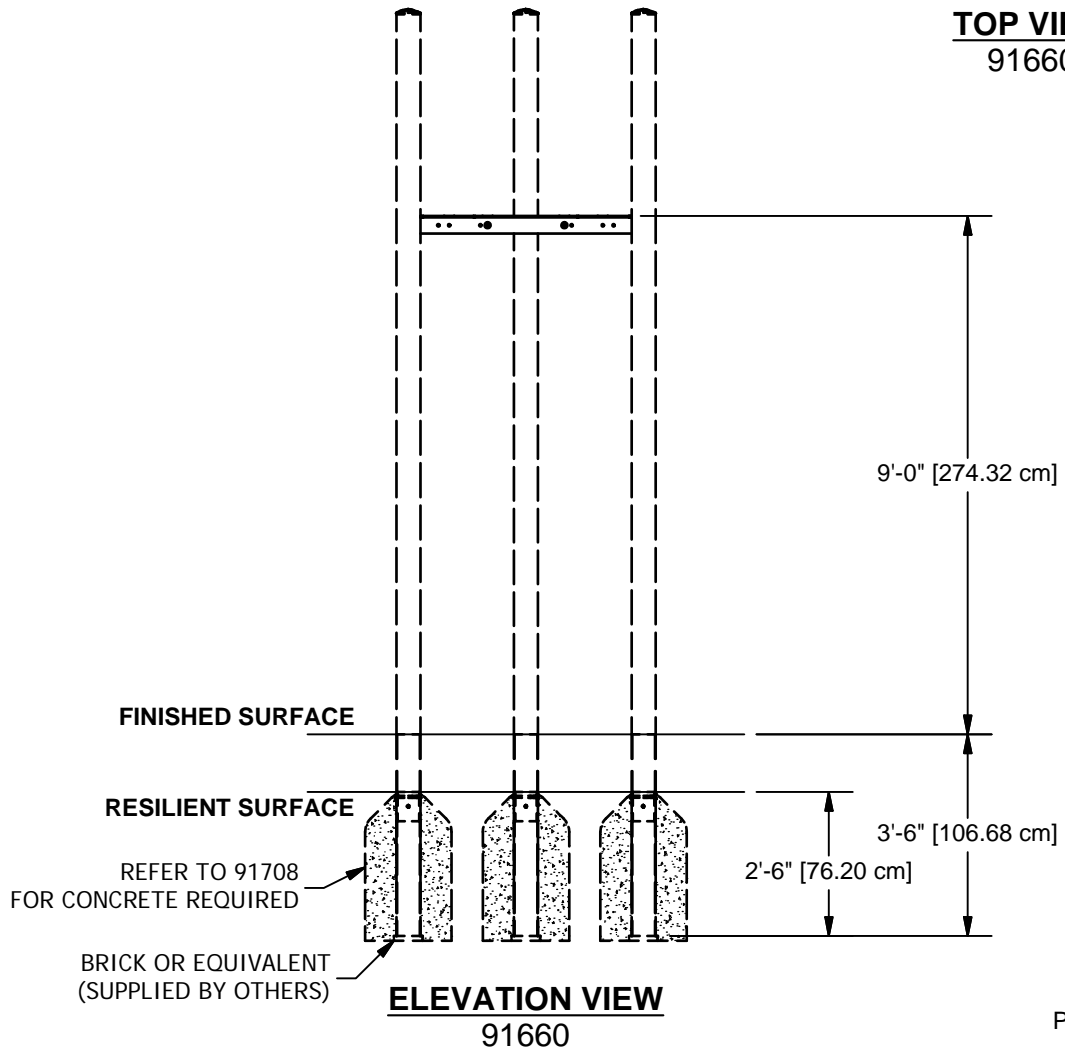
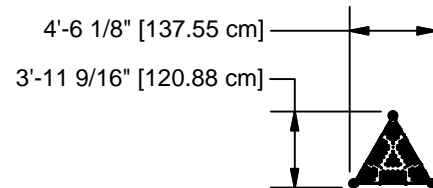
TOP VIEW
91659

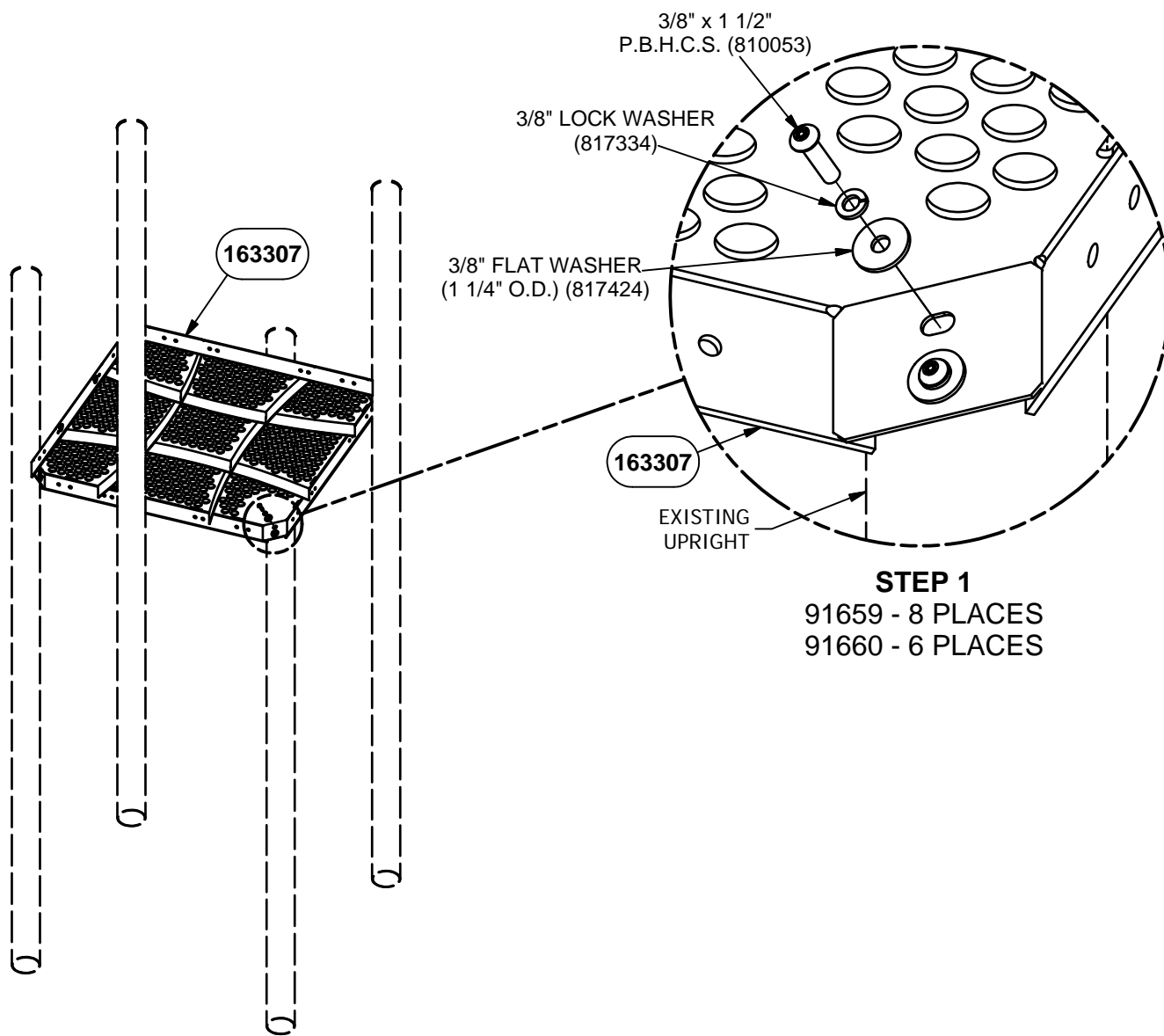
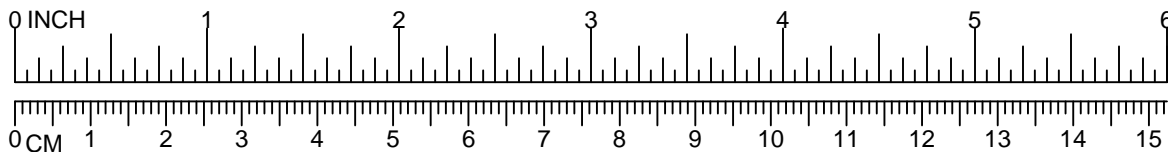


ELEVATION VIEW
91659



**REFER TO 91708
FOR CONCRETE REQUIRED**





91659 SHOWN
91660 SIMILAR

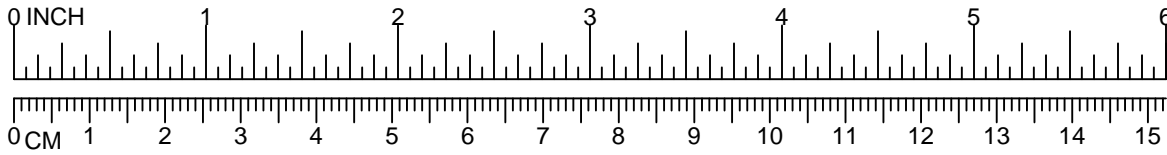
STEP 1

91659 - 8 PLACES
91660 - 6 PLACES

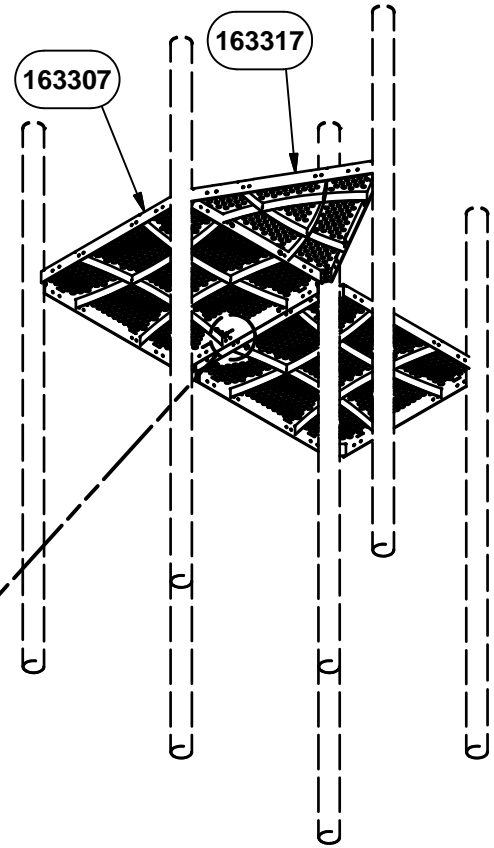
**REFER TO PARTS LIST
FOR PROPER DECK**

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

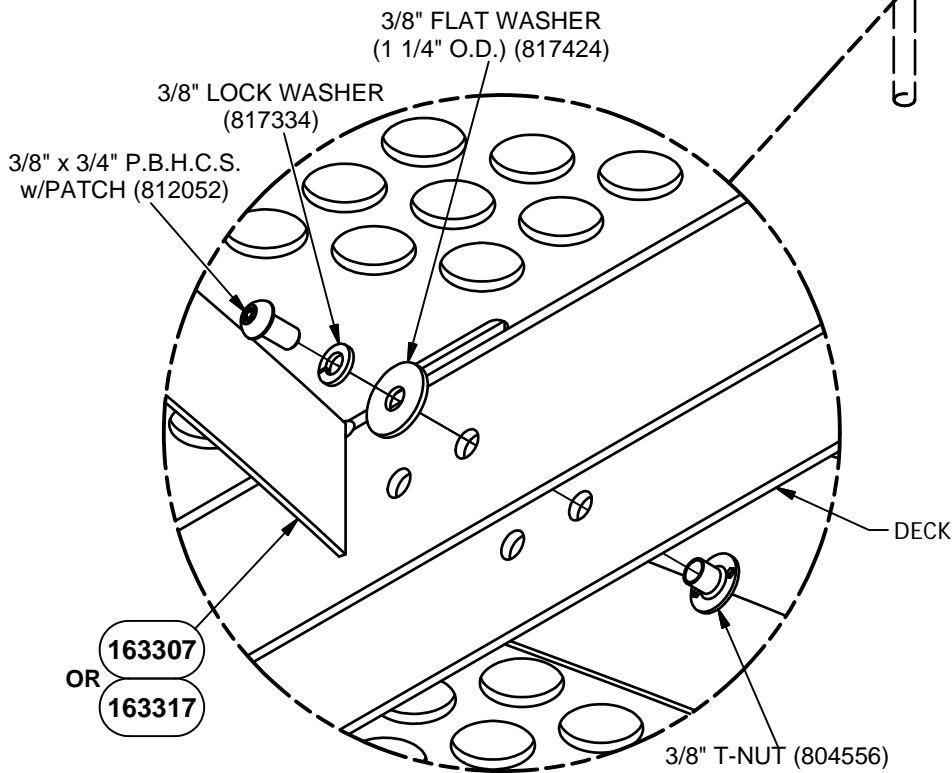
DETAIL VIEW



**REFER TO PARTS LIST
FOR PROPER DECK**



VIEW IS FROM
UNDERNEATH
DECKS



**DECK TO DECK
CONNECTION
2 PLACES**

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

DETAIL VIEW

PAGE 5

Parts List			
DESCRIPTION	91659	91660	PART NUMBER
SQUARE DECK	1	0	163307
TRIANGLE DECK	0	1	163317
HARDWARE COMPLETE	1	0	161254
HARDWARE COMPLETE	0	1	161255
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
3/8" FLAT WASHER (1 1/4" O.D.)	10	8	817424*
3/8" LOCK WASHER	10	8	817334*
3/8" T-NUT	2	2	804556*

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

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- Check for welded areas and verify integrity.
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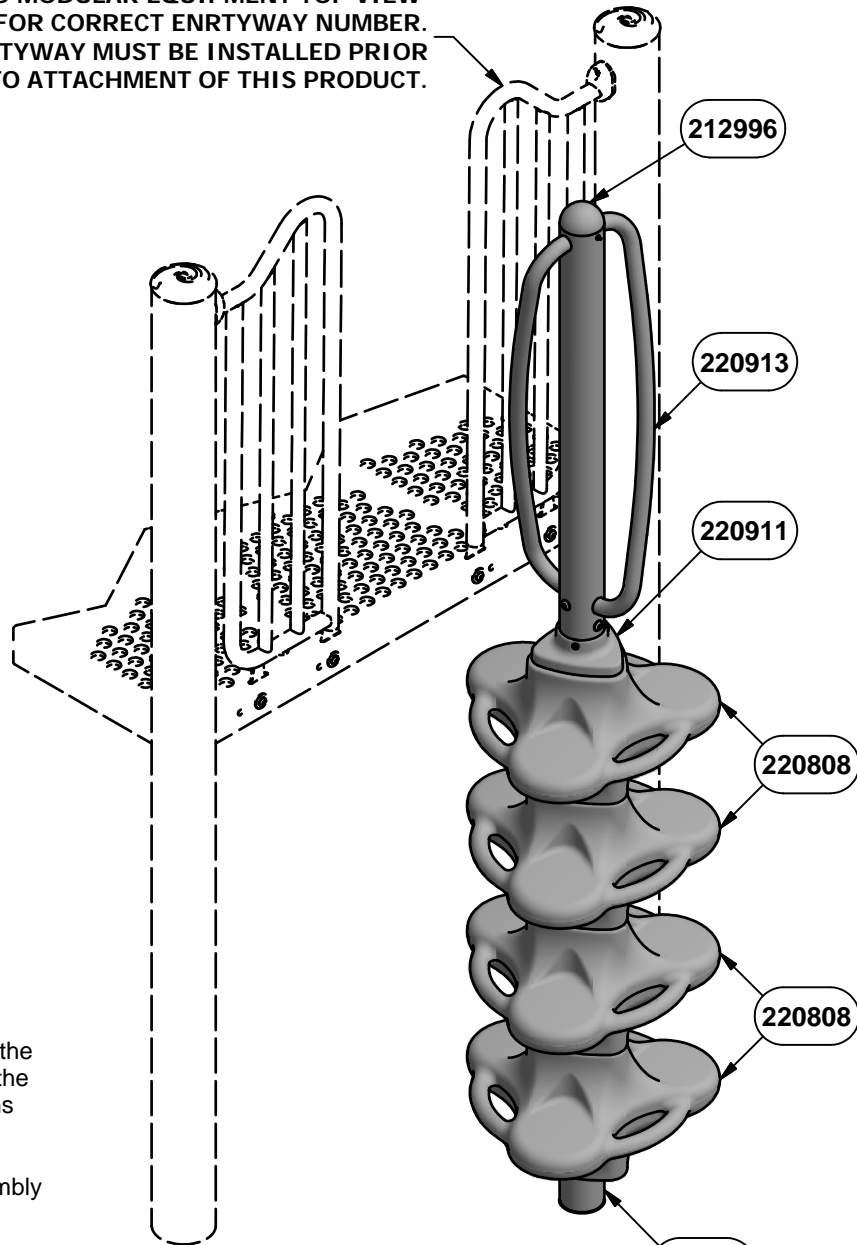
ISSUED/REVISED: 11/30/2021

TRILLIUM CLIMBER



2'-0" & 2'-6"	91665
3'-0" & 3'-6"	91666
4'-0" & 4'-6"	91667
5'-0" & 5'-6"	91668
6'-0"	91669

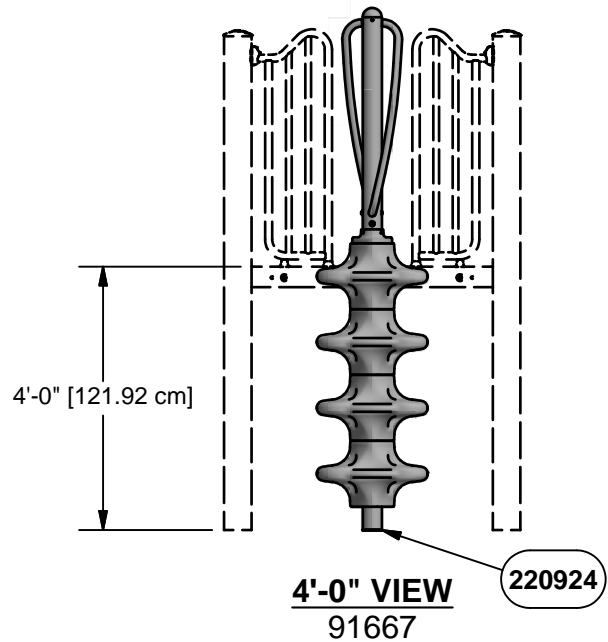
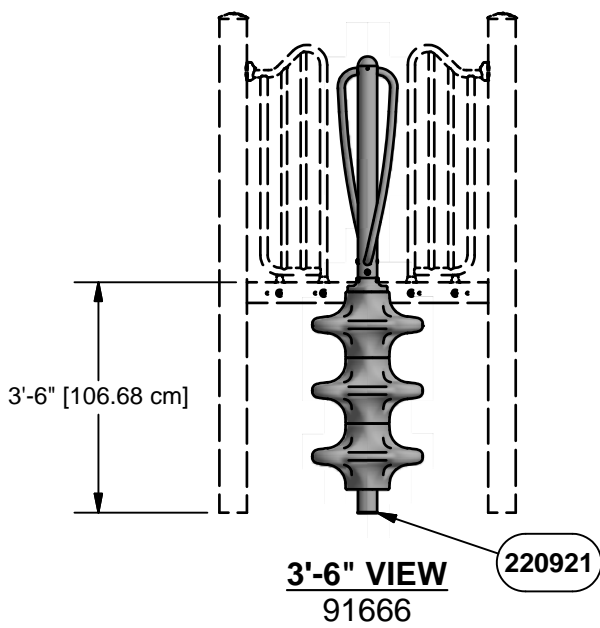
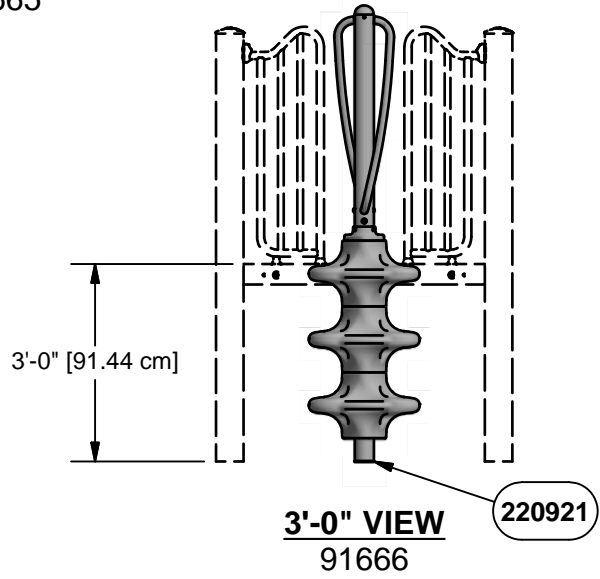
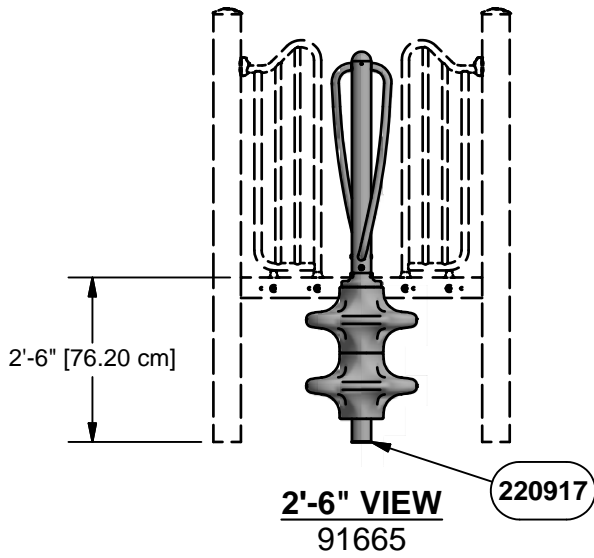
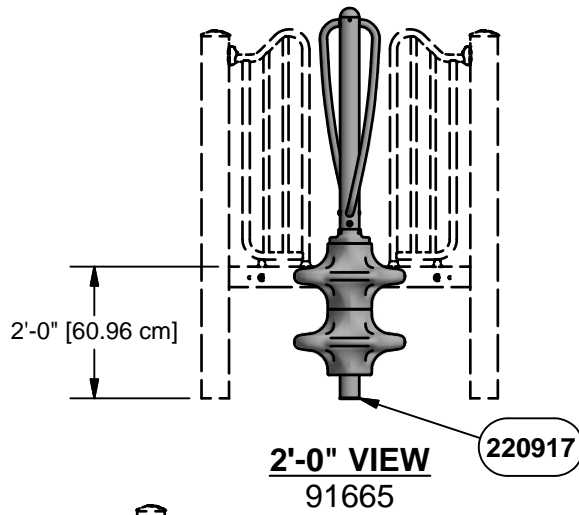
REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER. ENTRYWAY MUST BE INSTALLED PRIOR TO ATTACHMENT OF THIS PRODUCT.



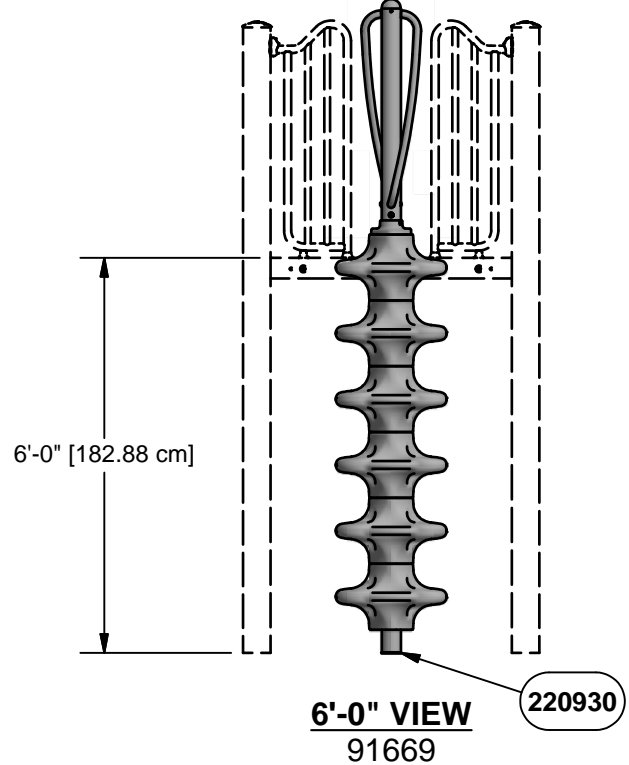
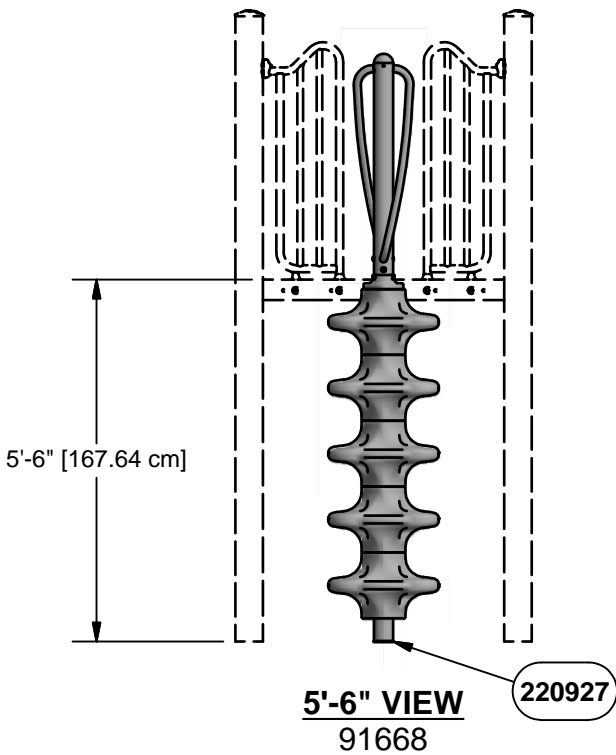
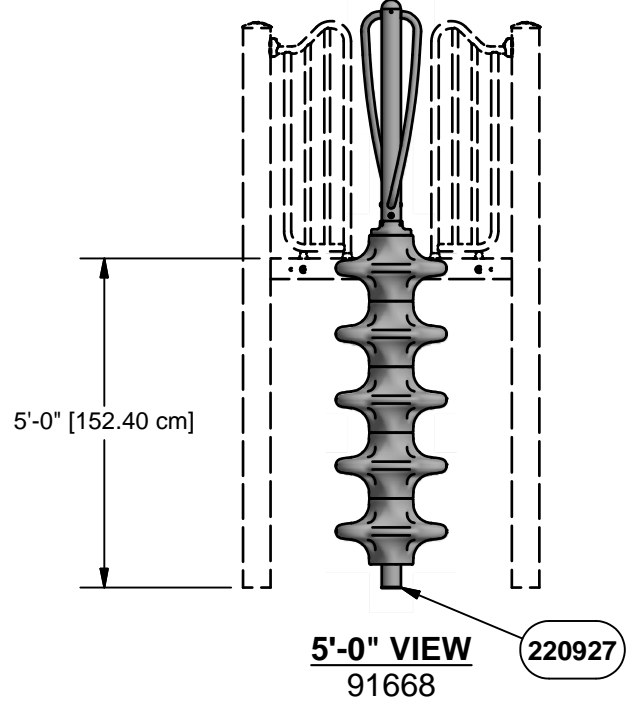
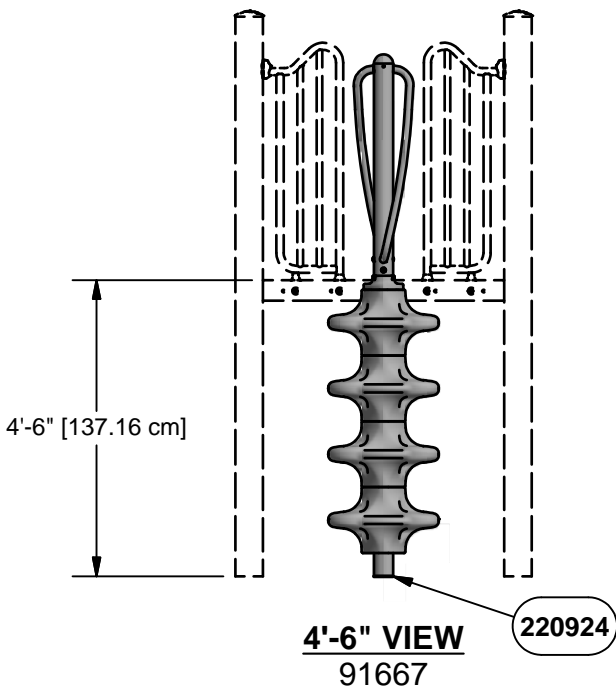
ASSEMBLY VIEW
91667 4'-0" SHOWN

INSTALLATION INSTRUCTIONS

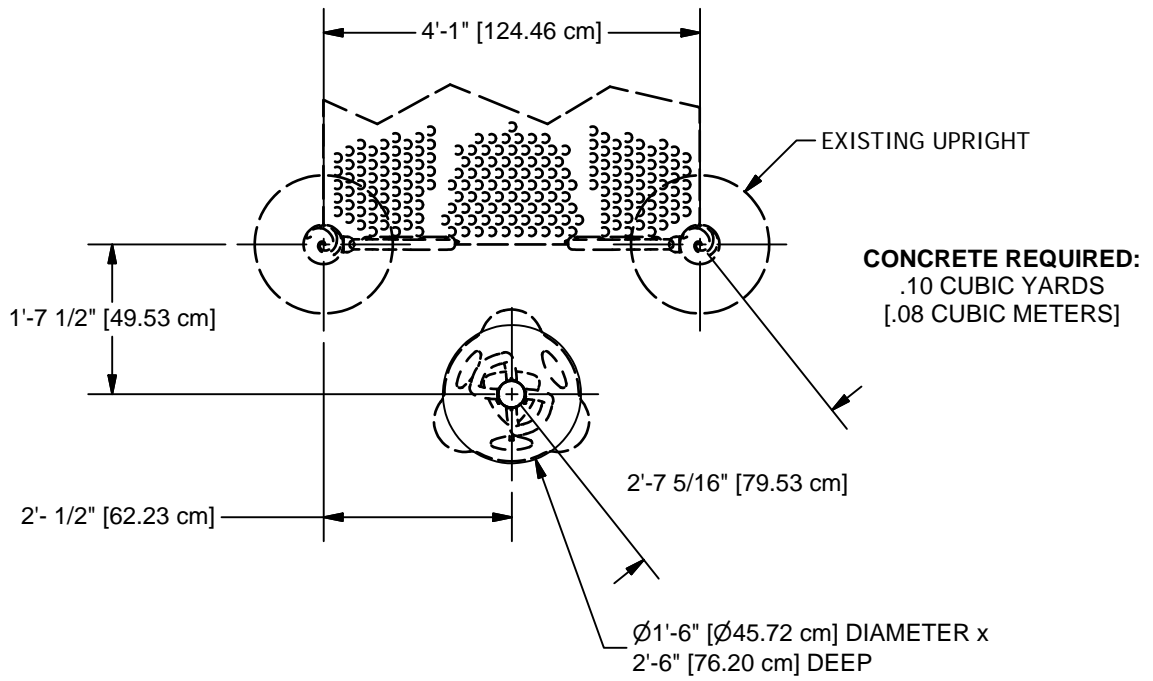
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
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3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



**DECK HEIGHT
ELEVATIONS**

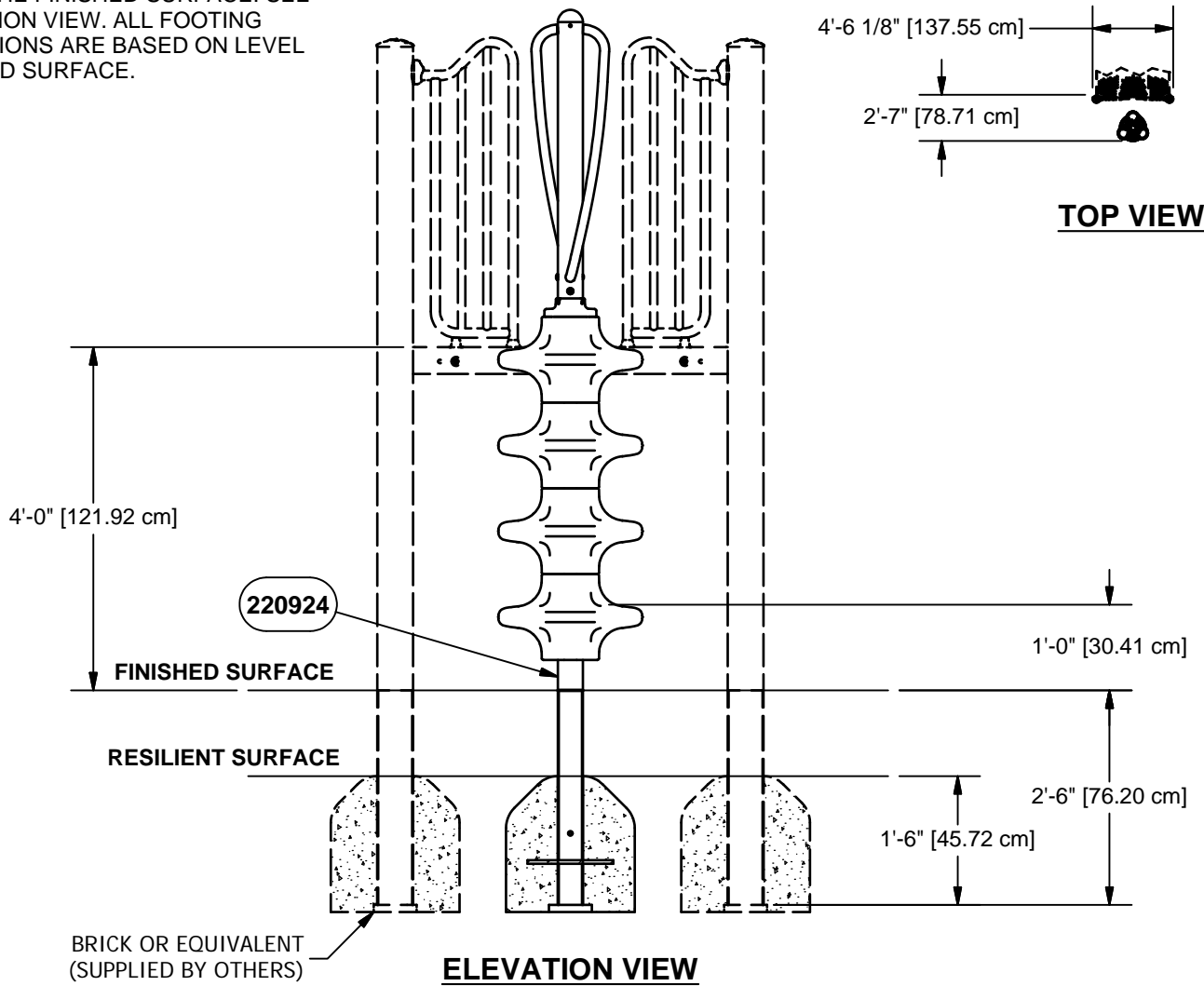
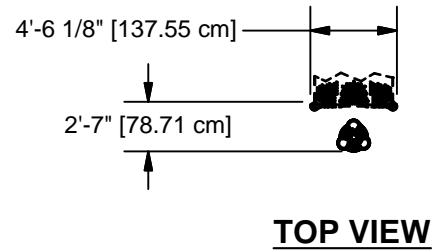


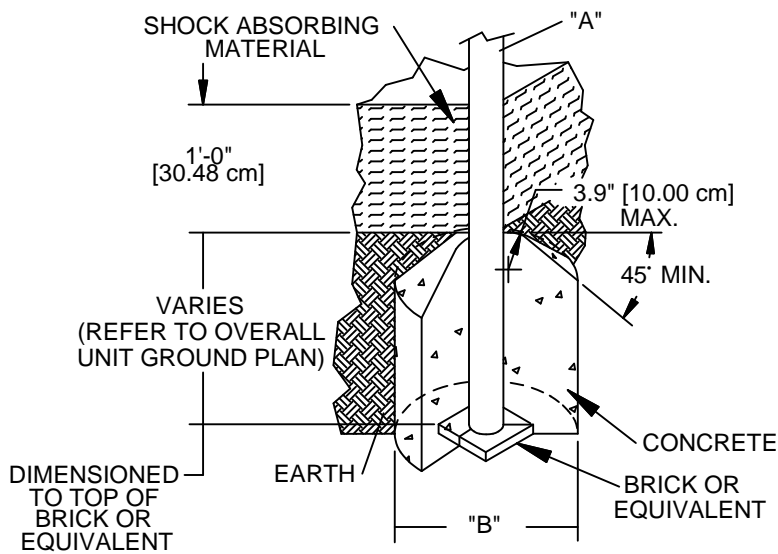
**DECK HEIGHT
ELEVATIONS**



PLAN VIEW

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





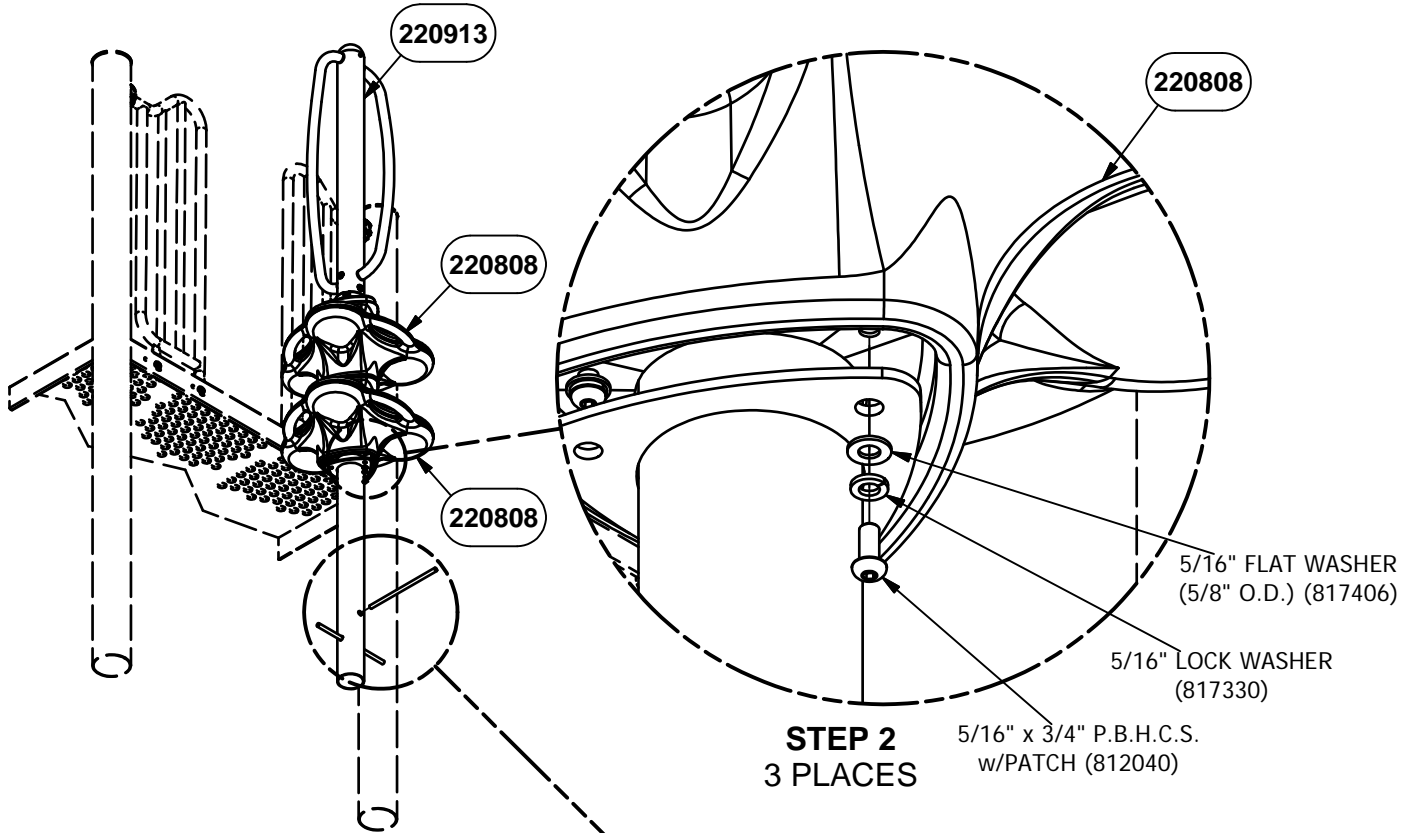
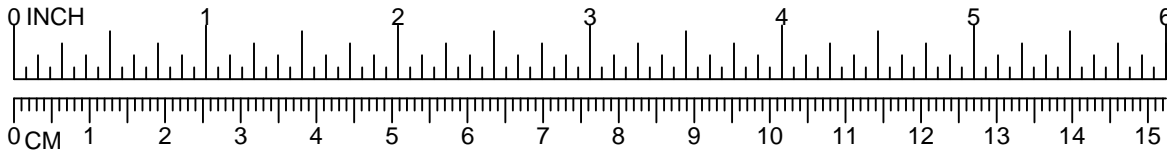
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

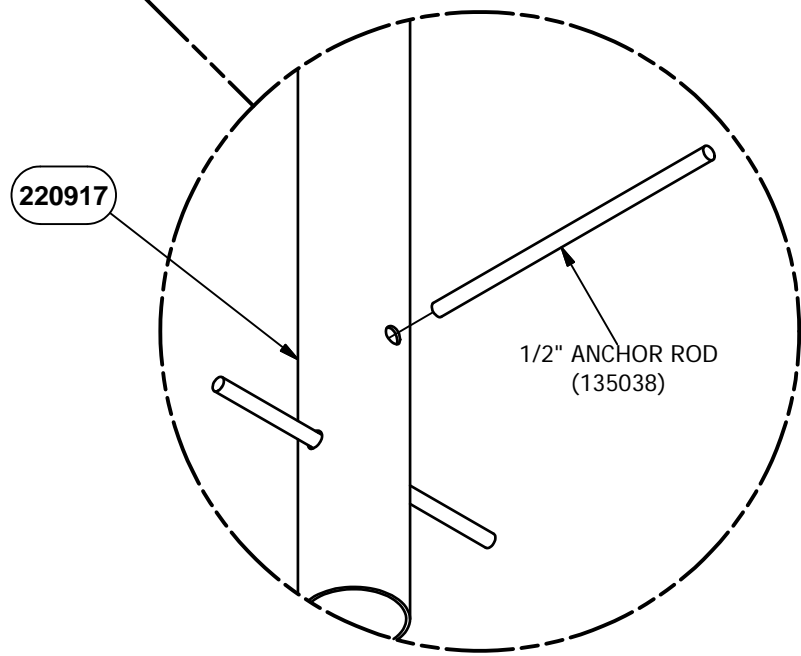
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL



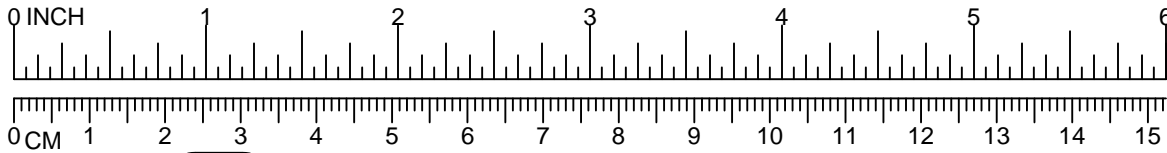
STEP 2
3 PLACES



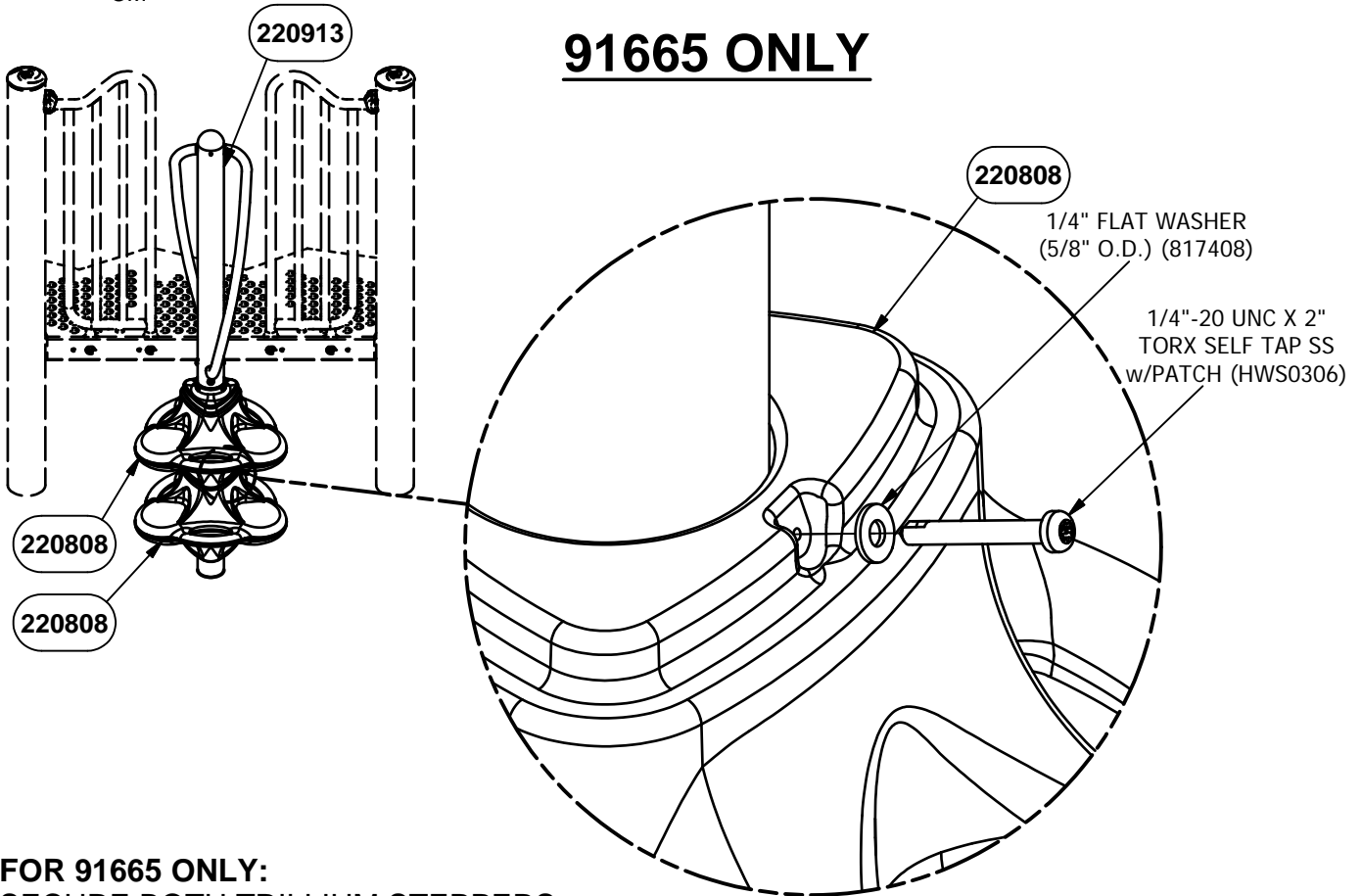
DETAIL VIEW
91665 SHOWN
OTHERS SIMILAR

STEP 1
2 PLACES

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



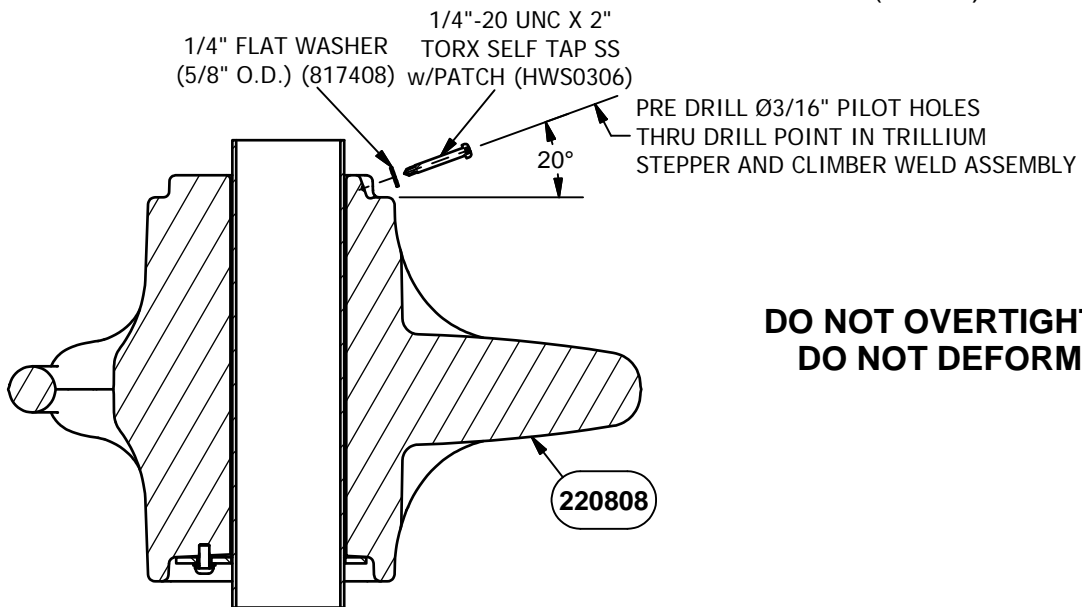
91665 ONLY



FOR 91665 ONLY:
SECURE BOTH TRILLIUM STEPPERS
WITH THREE DRILLED CONNECTIONS

STEP 3

6 PLACES (91665)

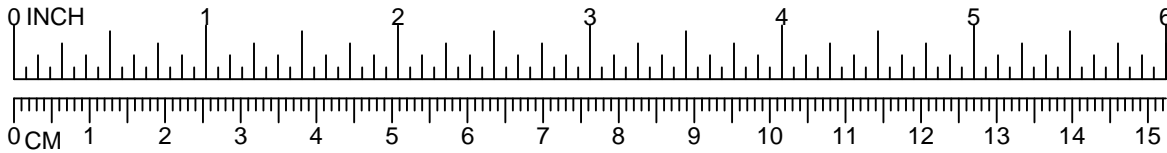


DO NOT OVERTIGHTEN BOLTS,
DO NOT DEFORM PLASTIC.

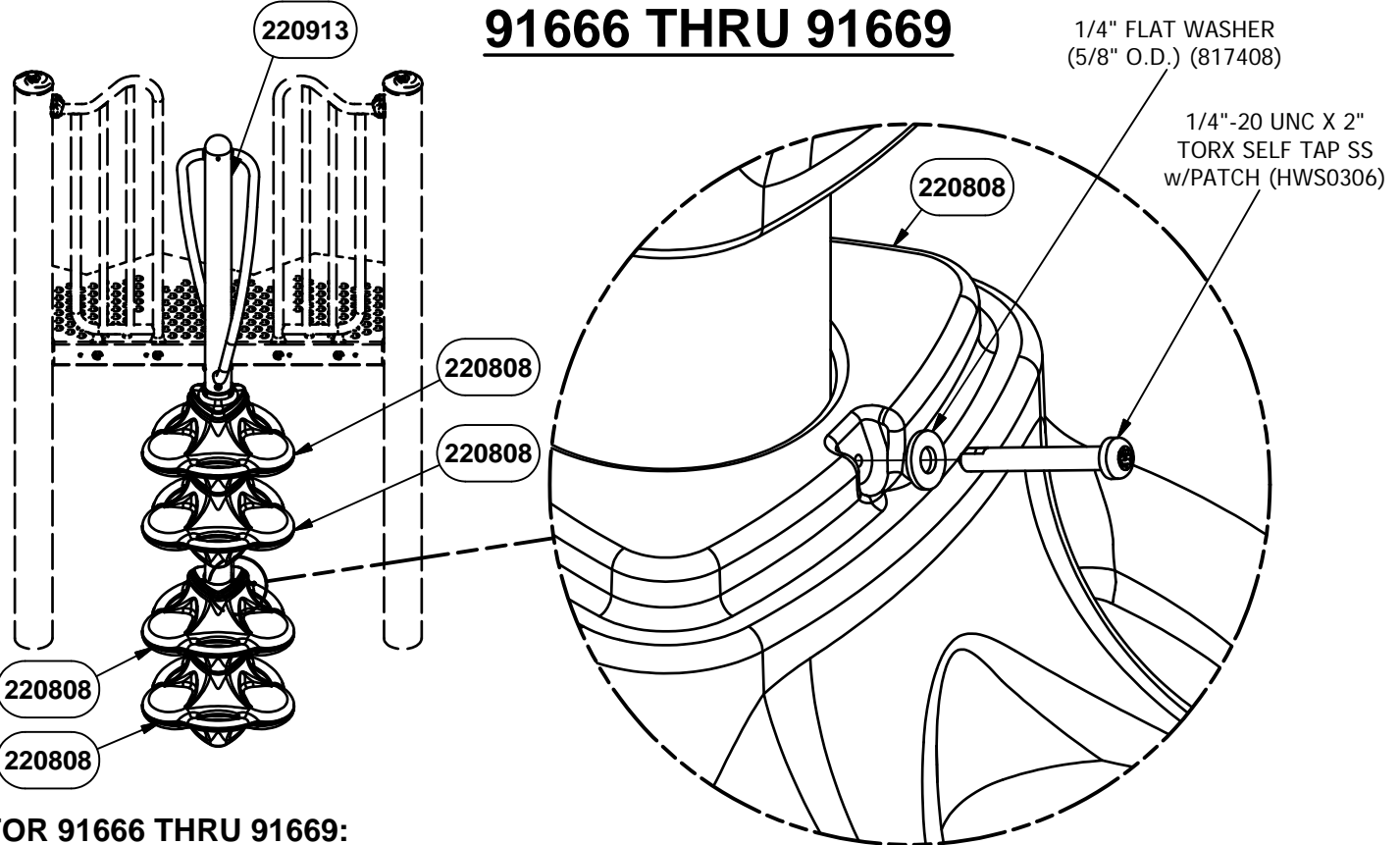
DRILLED CONNECTION

DETAIL VIEW
 91665 SHOWN
 OTHERS SIMILAR

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



91666 THRU 91669

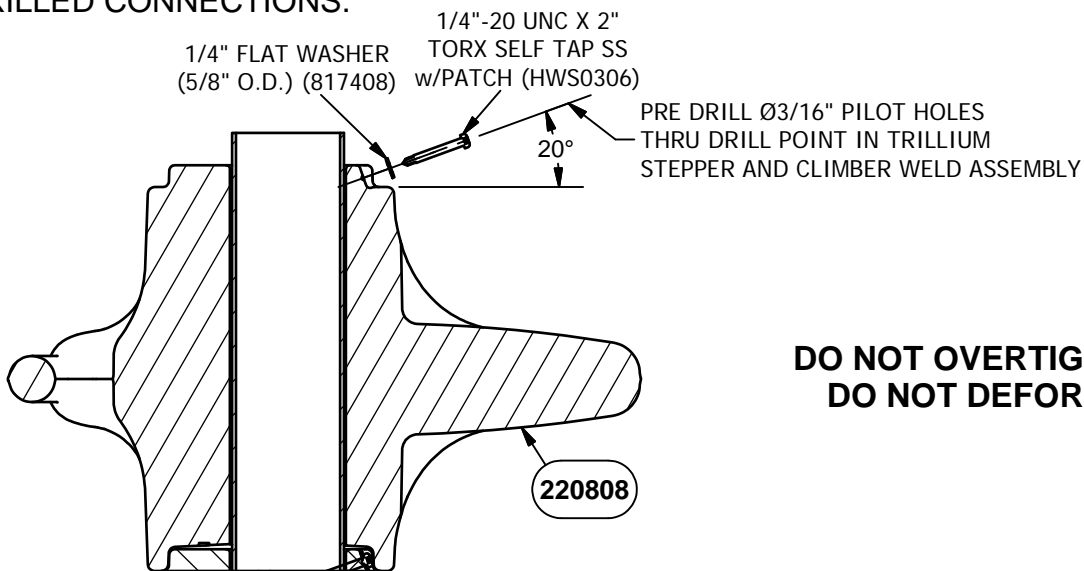


FOR 91666 THRU 91669:

SECURE BOTTOM TRILLIUM STEPPER WITH THREE DRILLED CONNECTIONS. STACK MIDDLE TRILLIUM STEPPERS, ONE AT A TIME, AND SECURE WITH ONE DRILLED CONNECTION. STACK TOP TRILLIUM STEPPER AND SECURE WITH THREE DRILLED CONNECTIONS.

STEP 4

- 7 PLACES (91666)
- 8 PLACES (91667)
- 9 PLACES (91668)
- 10 PLACES (91669)

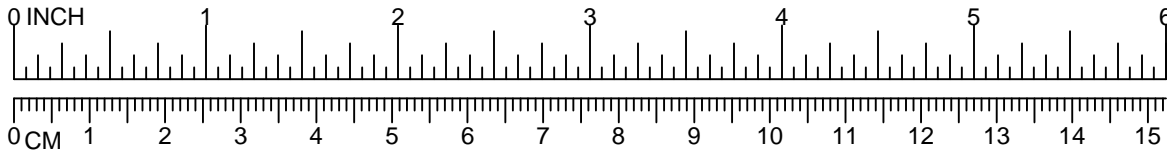


**DO NOT OVERTIGHTEN BOLTS,
DO NOT DEFORM PLASTIC.**

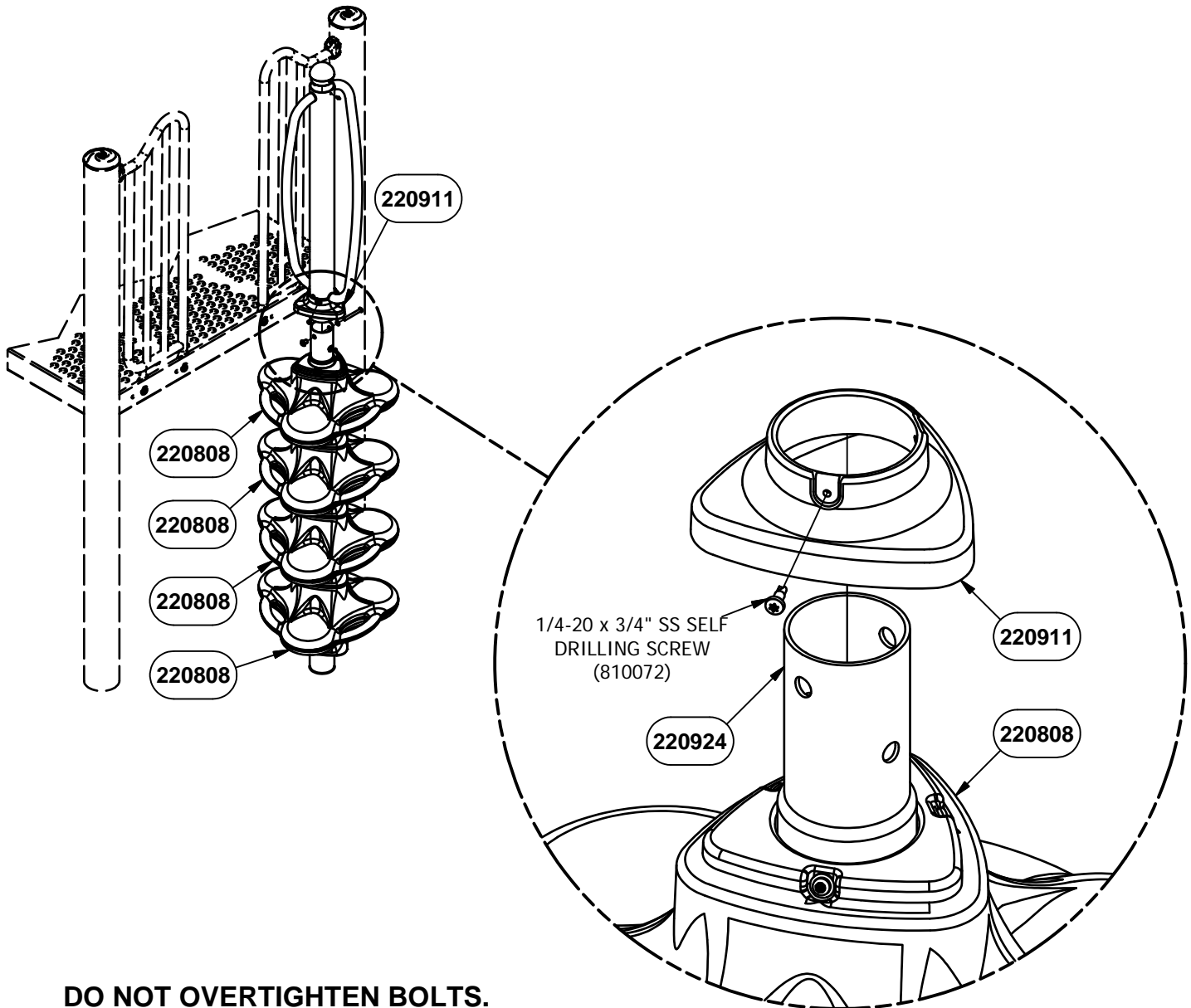
DRILLED CONNECTION

DETAIL VIEW
91667 SHOWN
OTHERS SIMILAR

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



NOTE: MAKE SURE ALL TRILLIUM STEPPERS ARE LOCKED IN PLACE BEFORE ATTACHING TRILLIUM CAP.

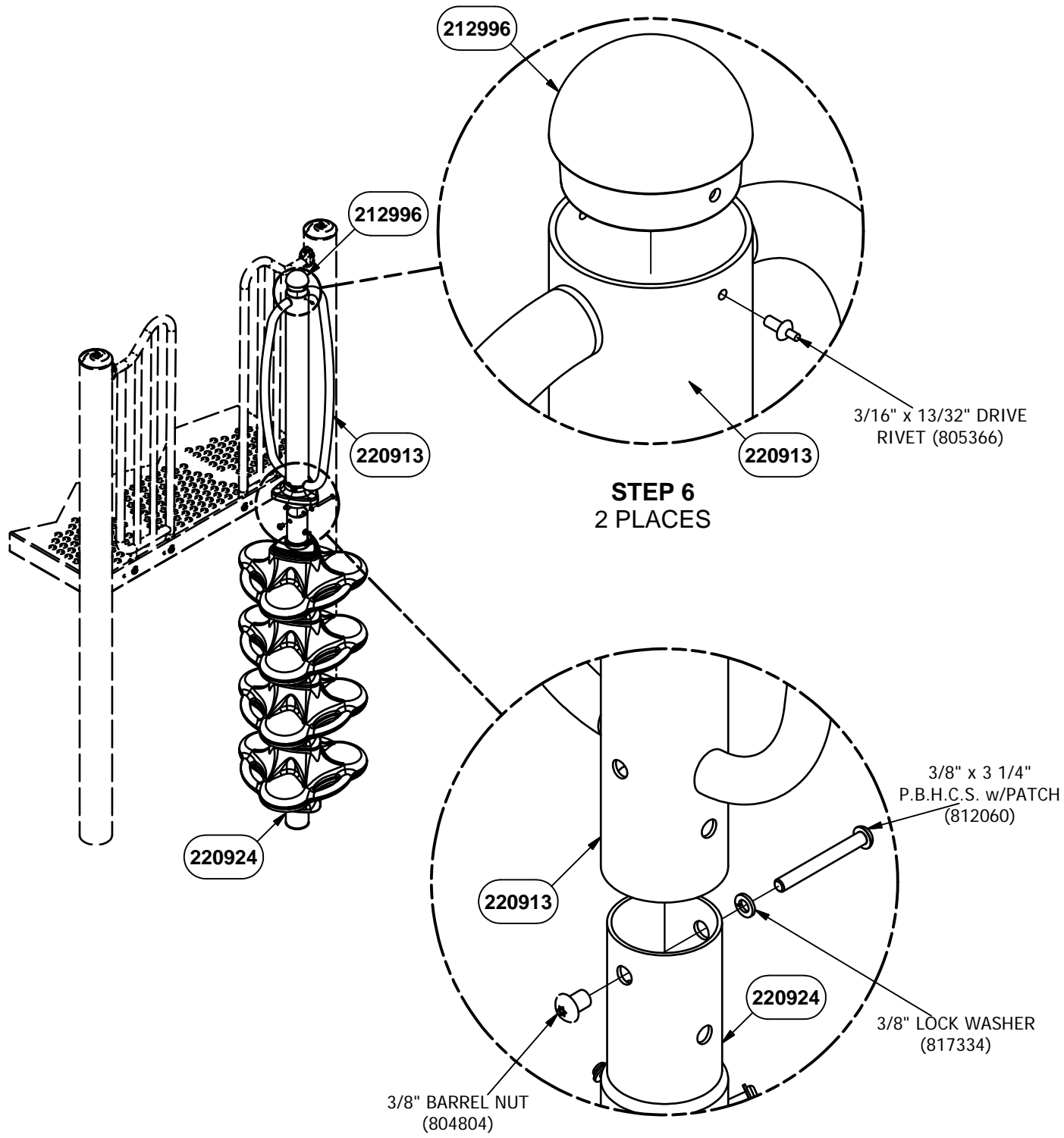
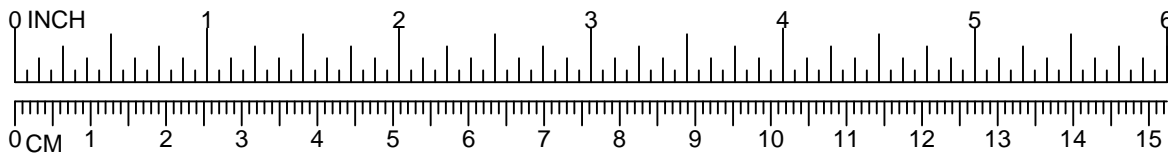


DO NOT OVERTIGHTEN BOLTS.

STEP 5
2 PLACES

DETAIL VIEW
91667 SHOWN
OTHERS SIMILAR

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



STEP 6
2 PLACES

STEP 7
2 PLACES

DETAIL VIEW
91667 SHOWN
OTHERS SIMILAR

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

Parts List						
DESCRIPTION	91665	91666	91667	91668	91669	PART NUMBER
CLIMBER WELD ASSEMBLY	1	0	0	0	0	220917
CLIMBER WELD ASSEMBLY	0	1	0	0	0	220921
CLIMBER WELD ASSEMBLY	0	0	1	0	0	220924
CLIMBER WELD ASSEMBLY	0	0	0	1	0	220927
CLIMBER WELD ASSEMBLY	0	0	0	0	1	220930
HANDHOLD WELD ASSEMBLY	1	1	1	1	1	220913
TRILLIUM STEPPER	2	3	4	5	6	220808
TRILLIUM CAP	1	1	1	1	1	220911
3 1/2" DOME CAP	1	1	1	1	1	212996
HARDWARE COMPLETE	1	0	0	0	0	220950
HARDWARE COMPLETE	0	1	0	0	0	221351
HARDWARE COMPLETE	0	0	1	0	0	221352
HARDWARE COMPLETE	0	0	0	1	0	221353
HARDWARE COMPLETE	0	0	0	0	1	221354
1/4-20 x 3/4" SS SELF DRILLING SCREW	2	2	2	2	2	810072*
1/4"-20 UNC X 2" TORX SELF TAP SS w/PATCH	6	7	8	9	10	HWS0306*
1/4" FLAT WASHER (5/8" O.D.)	6	7	8	9	10	817408*
3/16" x 13/32" DRIVE RIVET	2	2	2	2	2	805366*
5/16" x 3/4" P.B.H.C.S. w/PATCH	3	3	3	3	3	812040*
5/16" FLAT WASHER (5/8" O.D.)	3	3	3	3	3	817406*
5/16" LOCK WASHER	3	3	3	3	3	817330*
3/8" x 3 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812060*
3/8" BARREL NUT	2	2	2	2	2	804804*
3/8" LOCK WASHER	2	2	2	2	2	817334*
1/2" ANCHOR ROD	2	2	2	2	2	135038*

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

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PowerScape®

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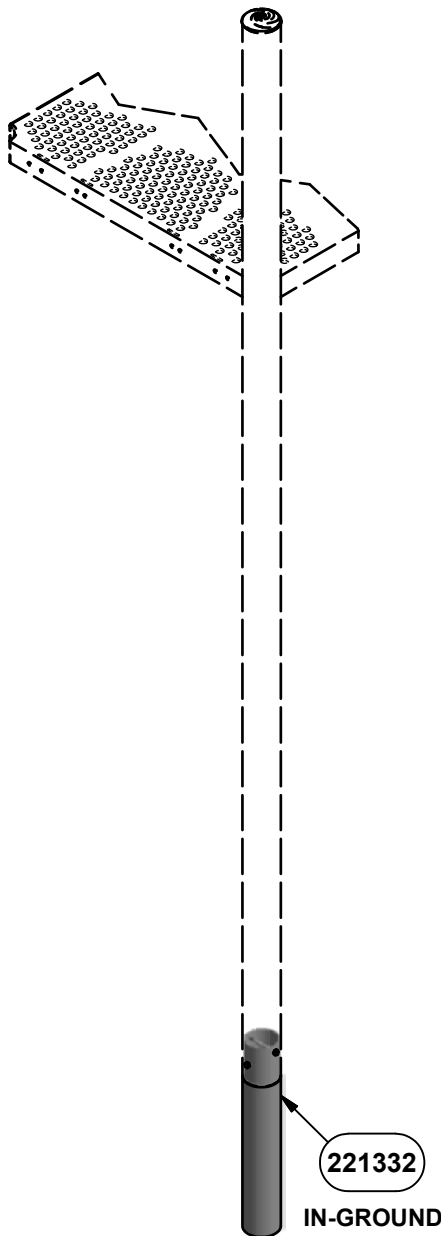
A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 12/9/2021

91708

2'-0" IN-GROUND EXTENSION FOR 9' PLATFORM

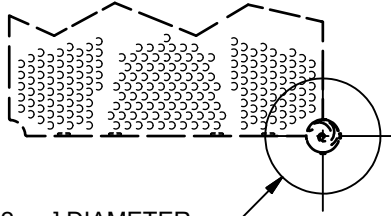


INSTALLATION INSTRUCTIONS

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

ASSEMBLY VIEW

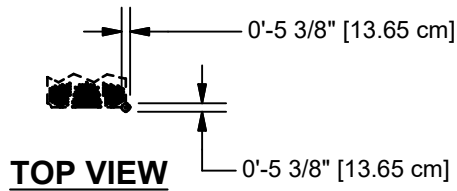
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



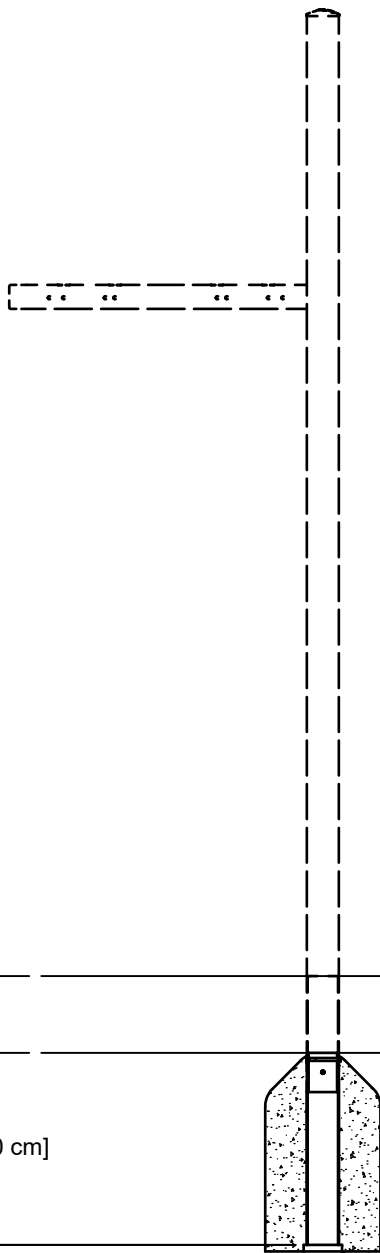
Ø1'-6" [Ø45.72 cm] DIAMETER x
3'-6" [106.68 cm] DEEP

CONCRETE REQUIRED:
.16 CUBIC YARDS
[.13 CUBIC METERS]

PLAN VIEW



TOP VIEW



FINISHED SURFACE

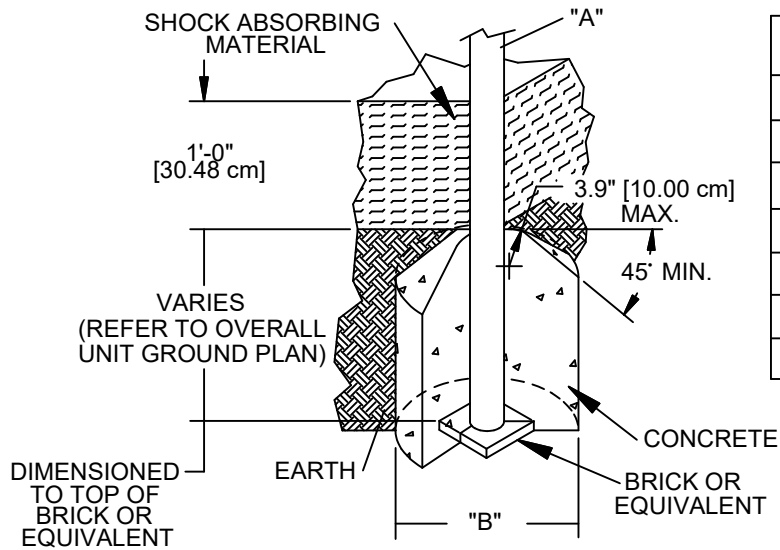
RESILIENT SURFACE

3'-6" [106.68 cm]

2'-6" [76.20 cm]

ELEVATION VIEW

BRICK OR EQUIVALENT
(SUPPLIED BY OTHERS)

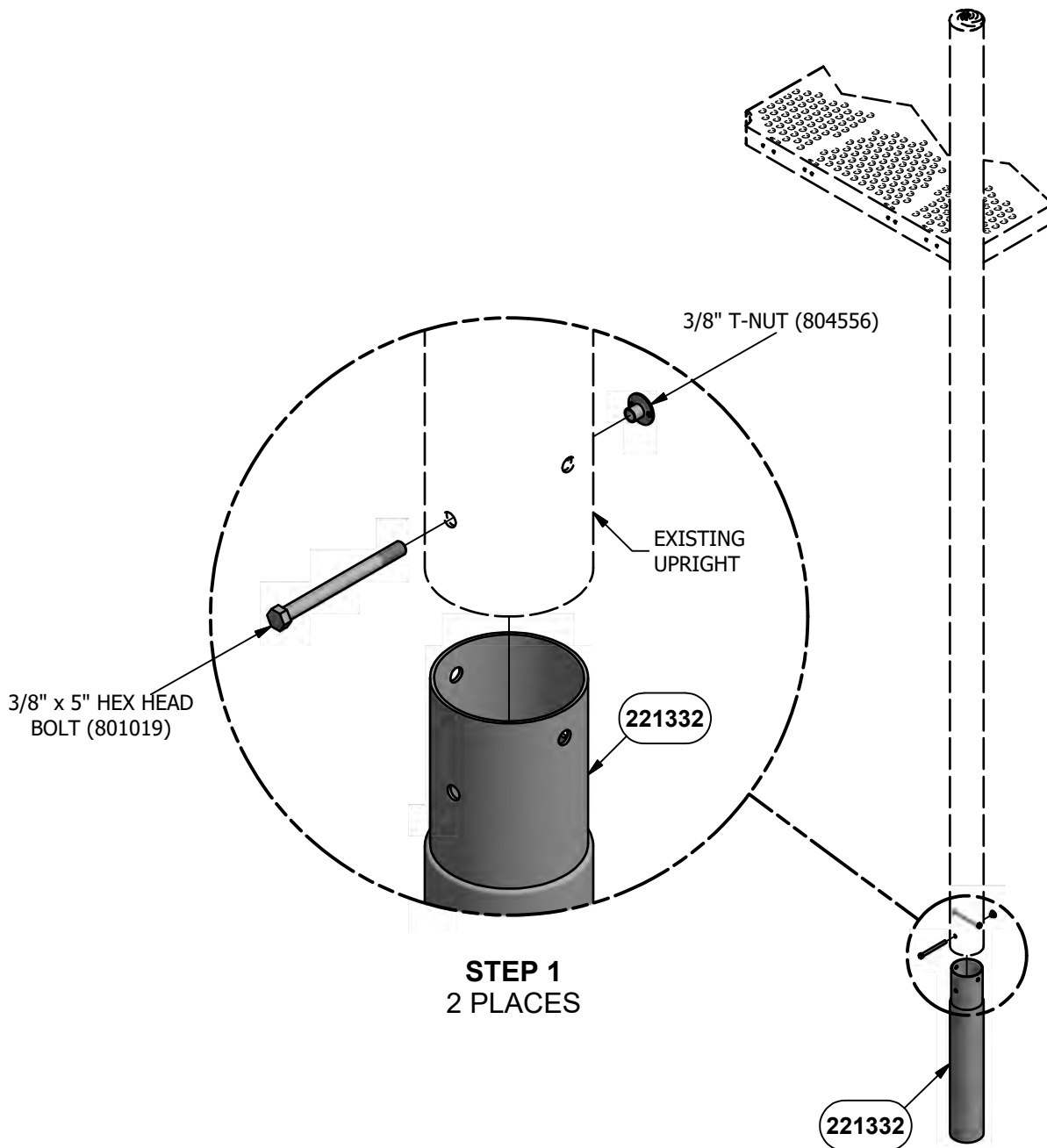
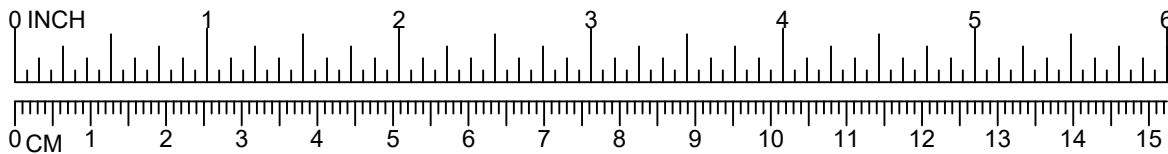


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

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

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

FOOTING DETAIL



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

Parts List		
DESCRIPTION	QTY	PART NUMBER
2'-0" IN-GROUND EXTENSION	1	221332
HARDWARE COMPLETE	1	221333
3/8" x 5" HEX HEAD BOLT	2	801019*
3/8" T-NUT	2	804556*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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

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A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 12/21/2021

91711 MODERN TRANSFER PLATFORM w/ GUARDRAIL

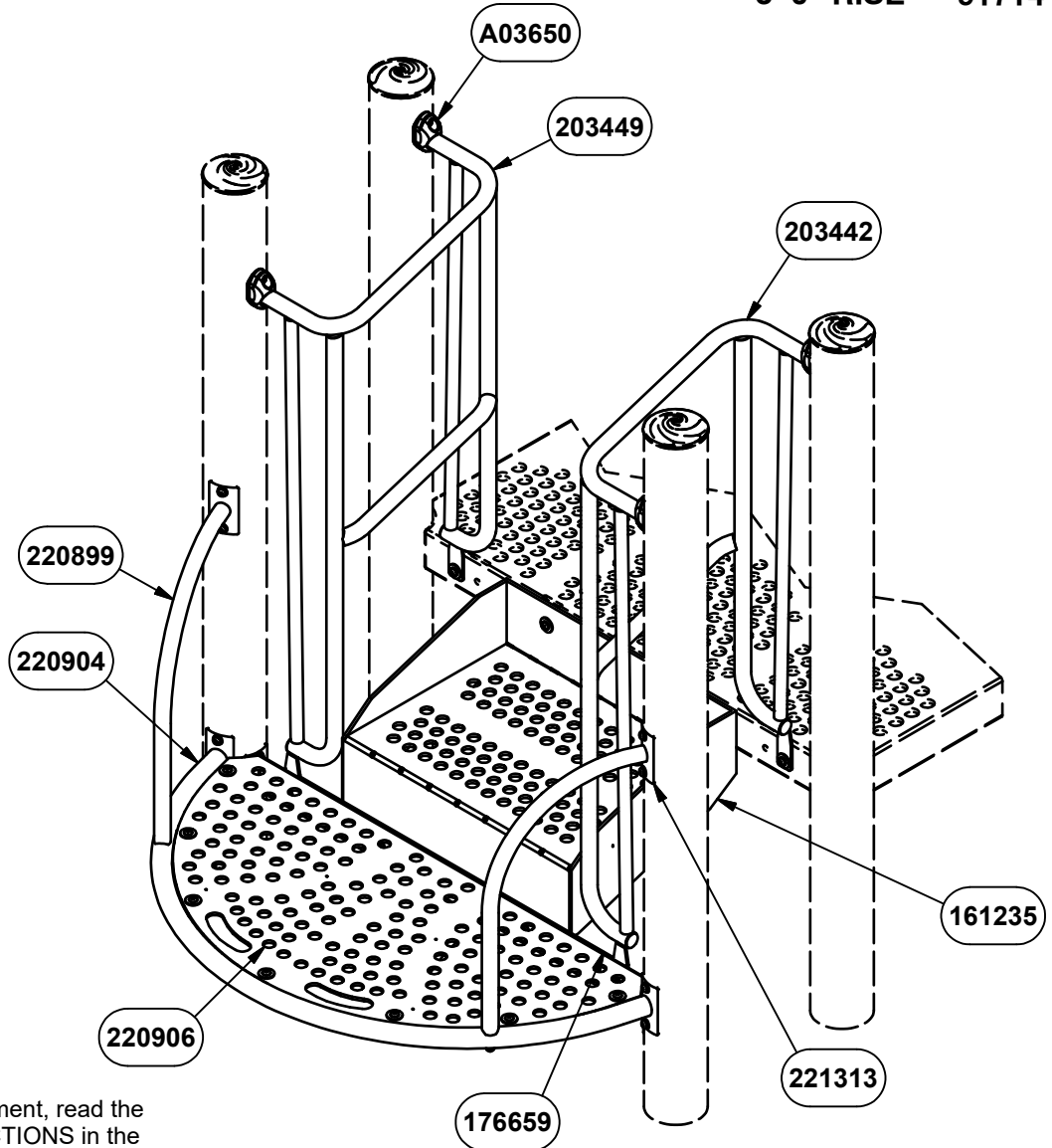


91711
91712



91711
91712
91713
91714

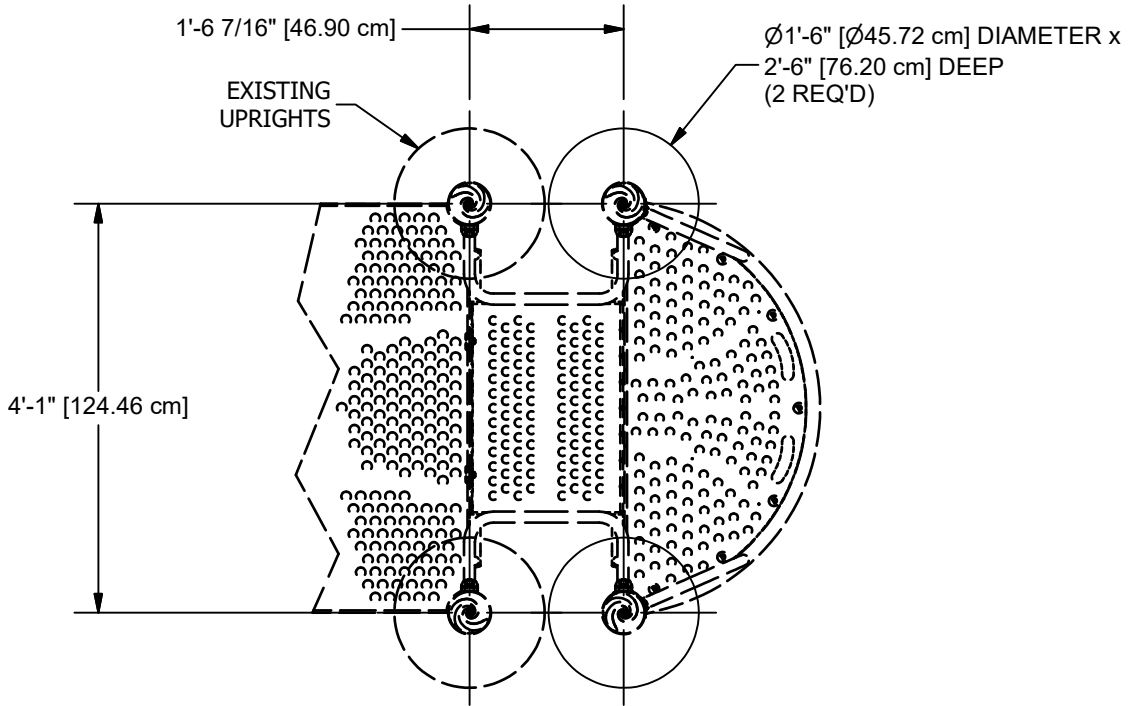
1'-0" RISE	91711
2'-0" RISE	91712
2'-6" RISE	91713
3'-0" RISE	91714



INSTALLATION INSTRUCTIONS

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

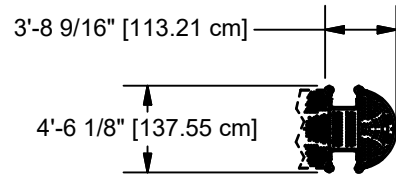
ASSEMBLY VIEW



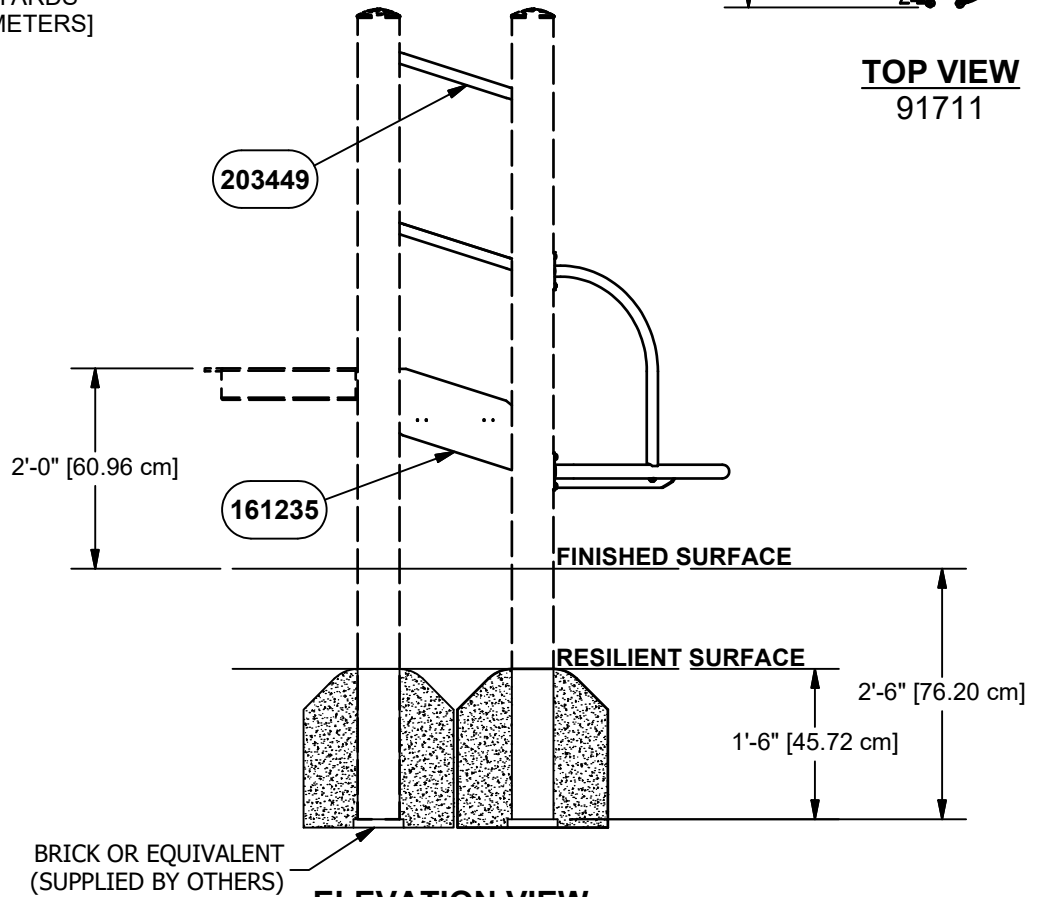
PLAN VIEW
91711

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

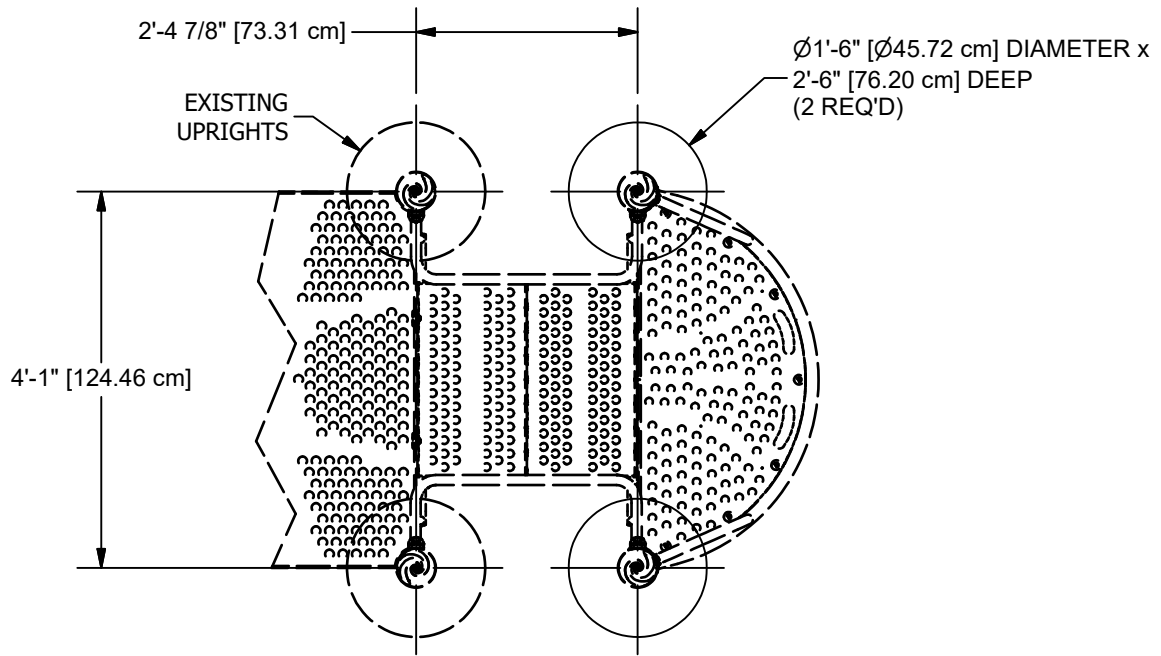
CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]



TOP VIEW
91711



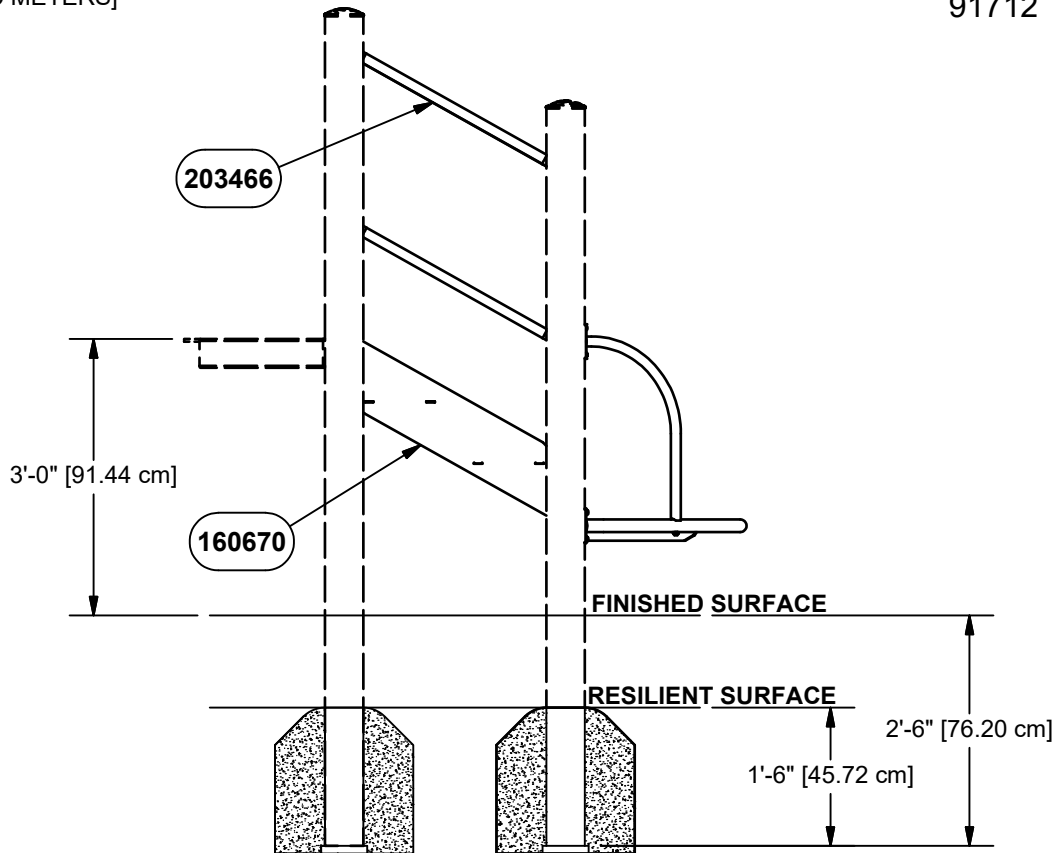
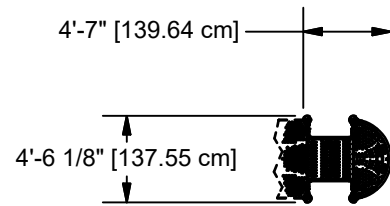
ELEVATION VIEW
91711

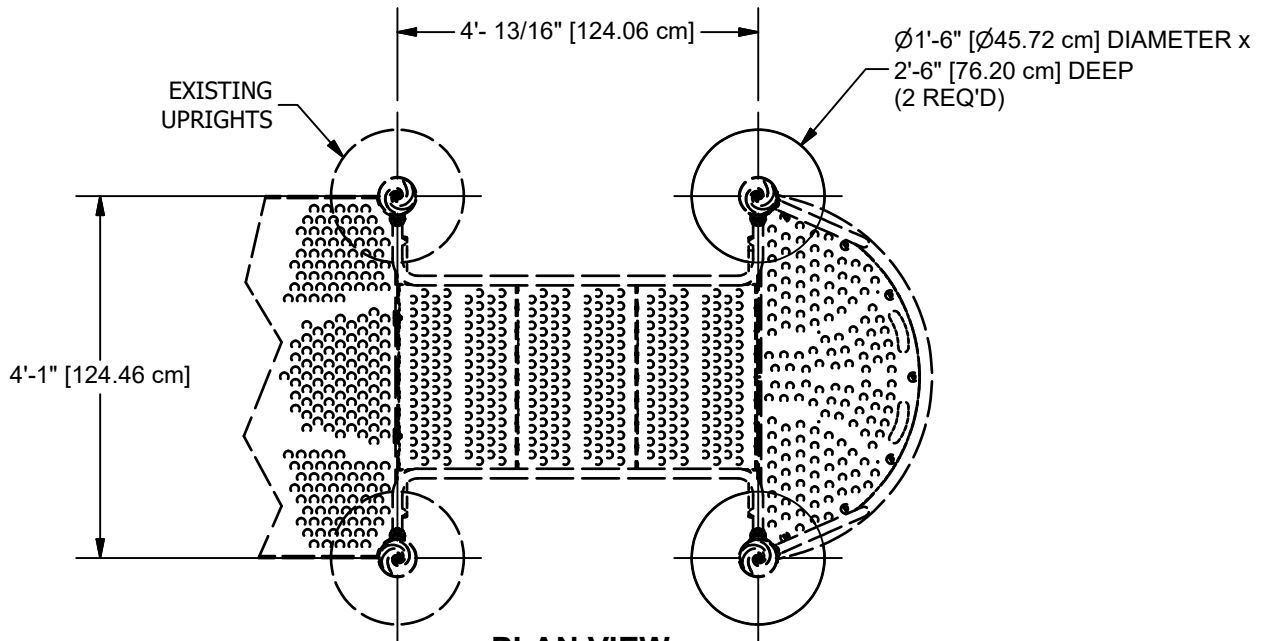


NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

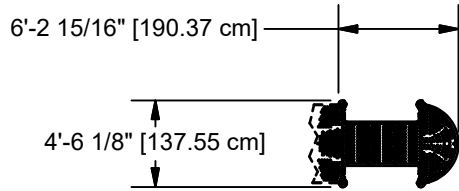
CONCRETE REQUIRED

.21 CUBIC YARDS
[.16 CUBIC METERS]





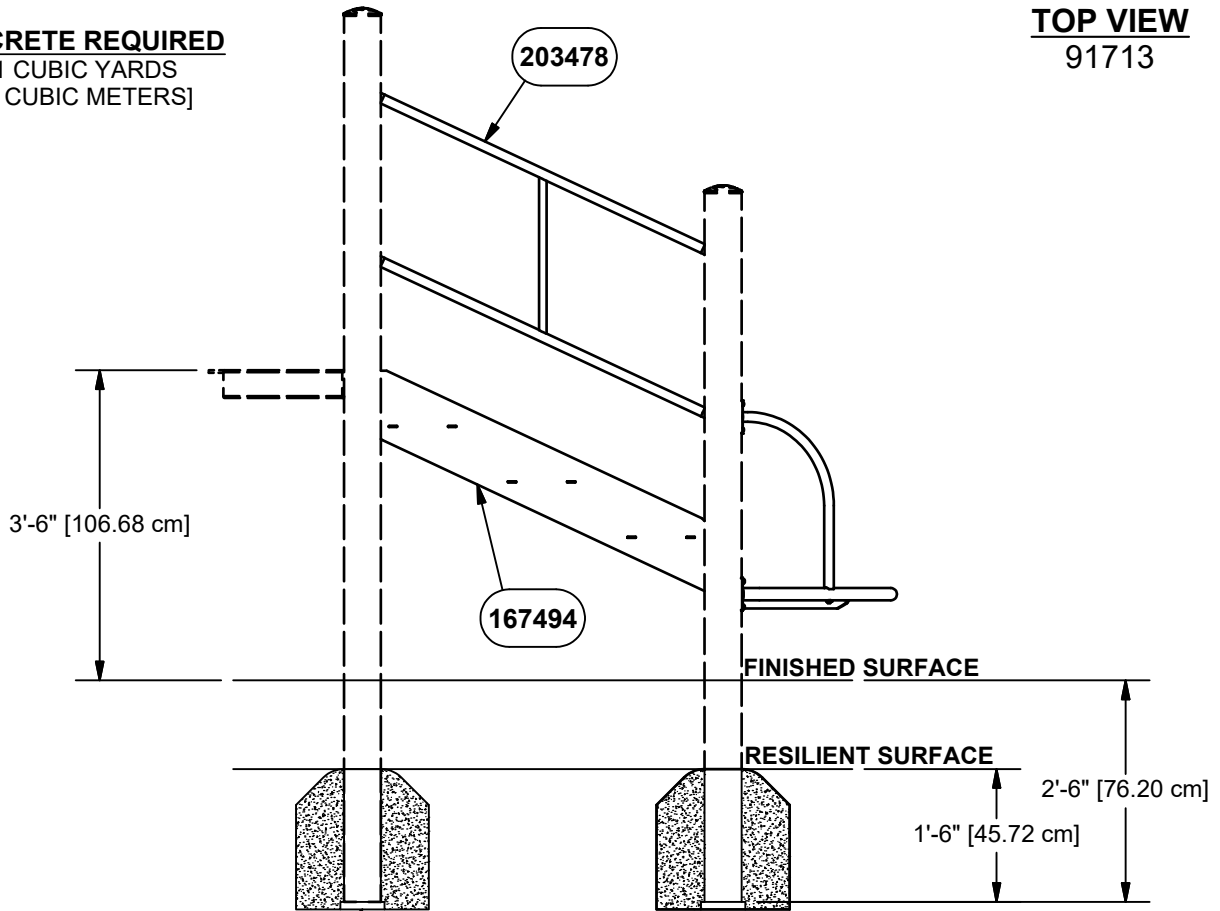
PLAN VIEW
91713



TOP VIEW
91713

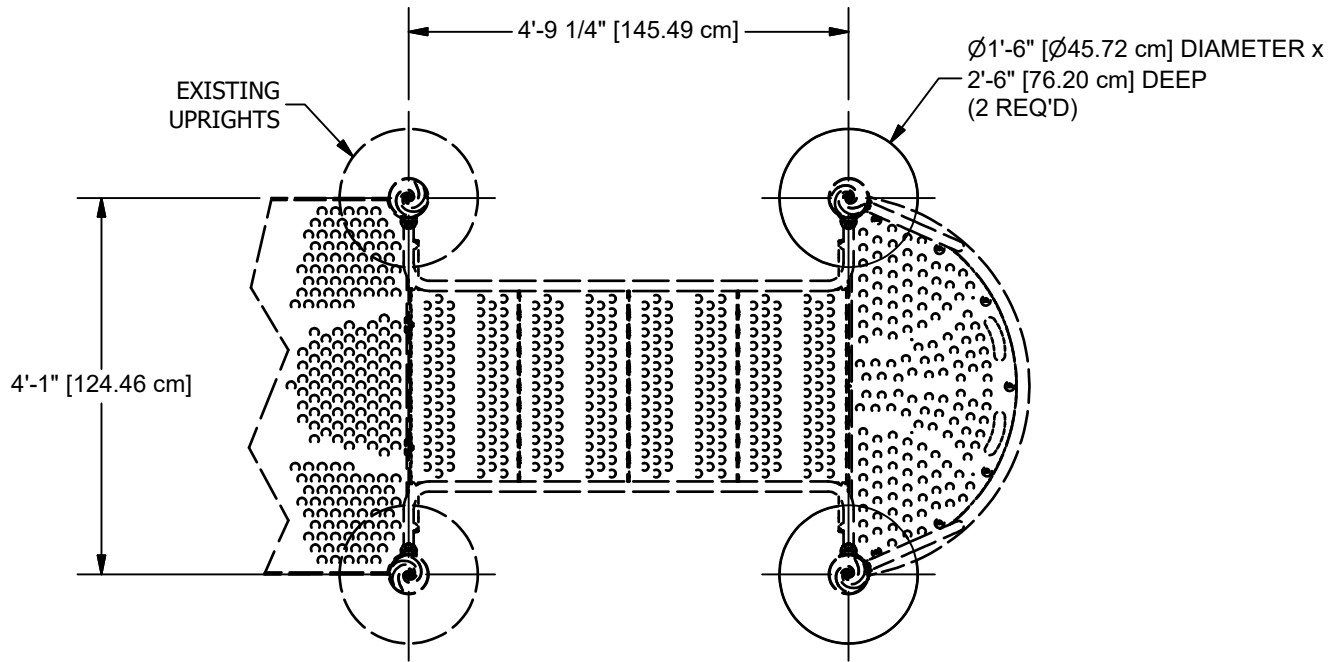
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]



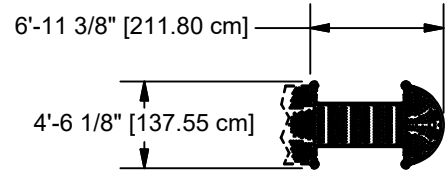
BRICK OR EQUIVALENT
(SUPPLIED BY OTHERS)

ELEVATION VIEW
91713



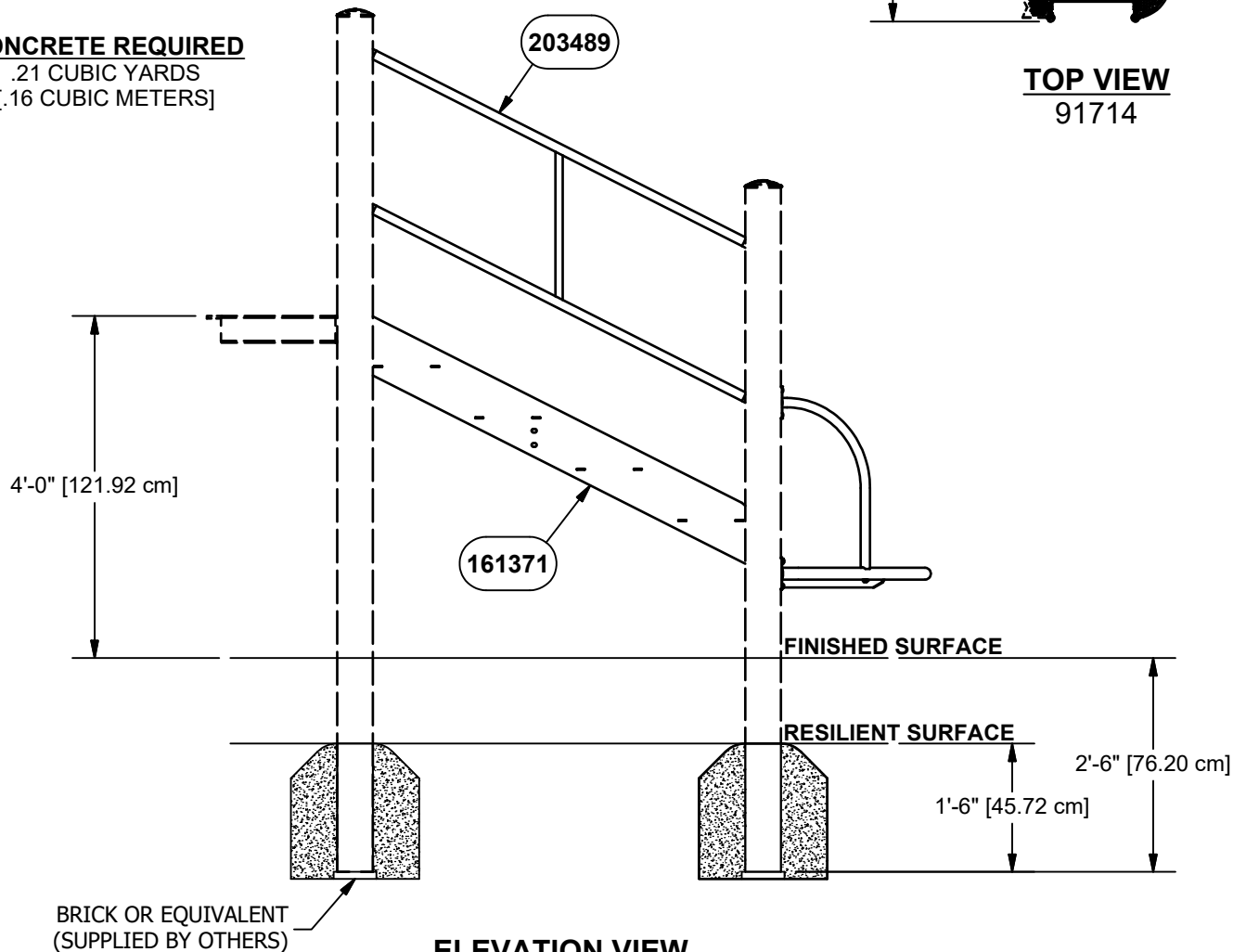
PLAN VIEW
91714

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

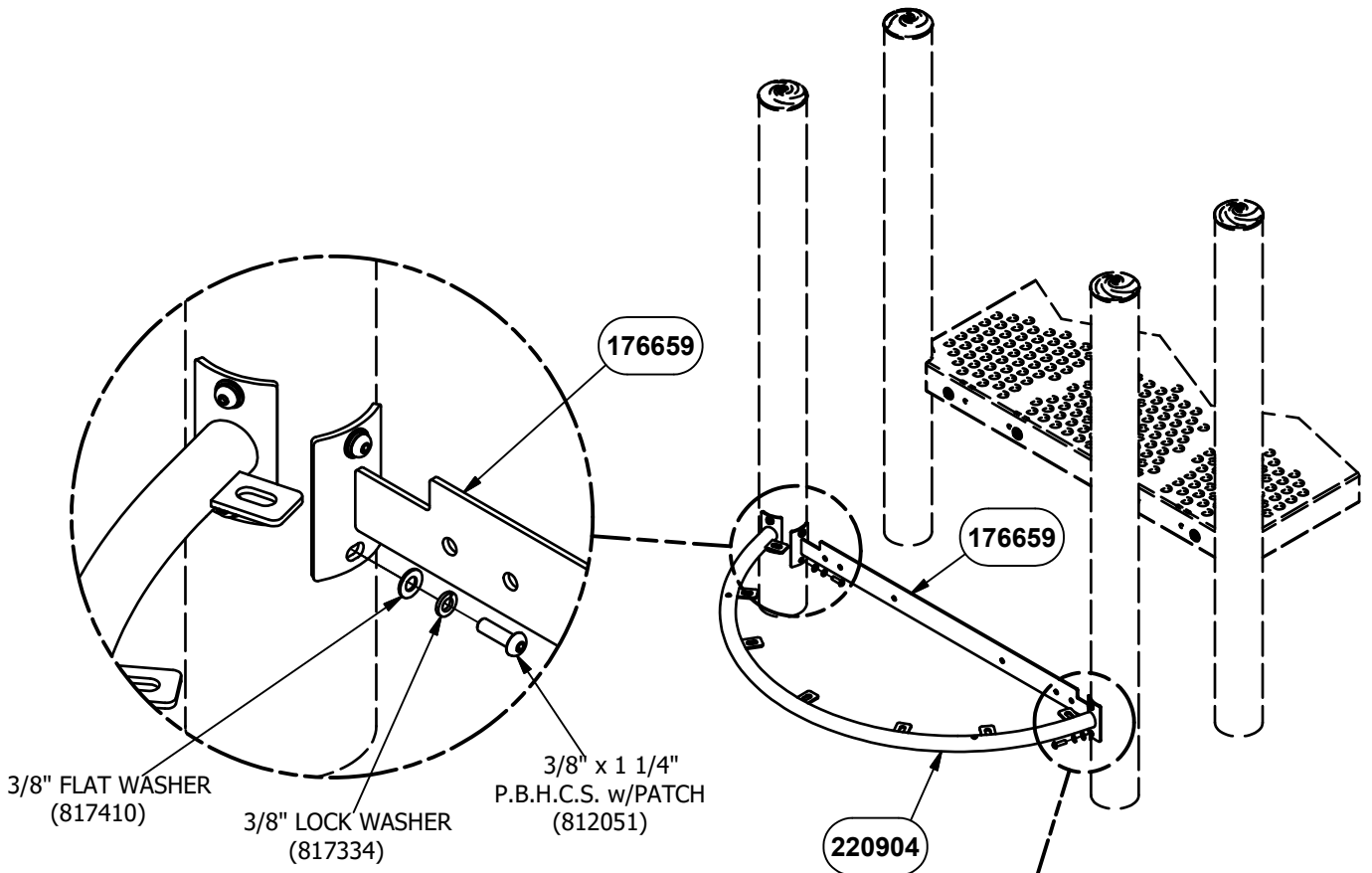
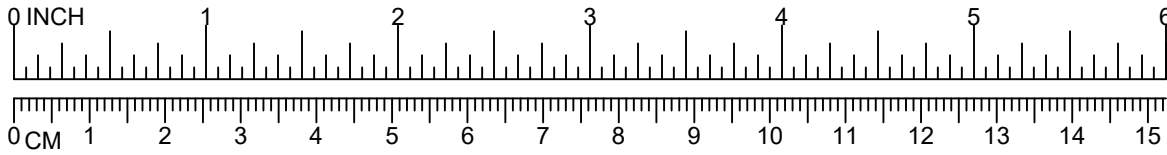


TOP VIEW
91714

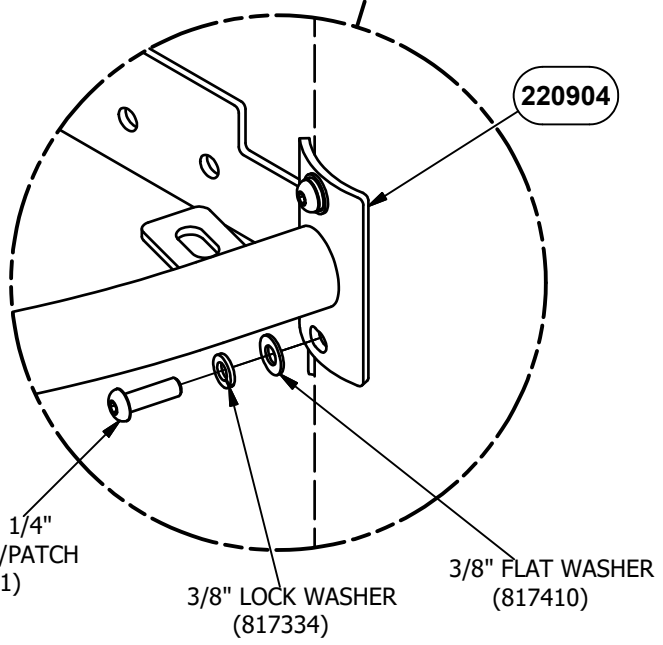
CONCRETE REQUIRED
.21 CUBIC YARDS
[.16 CUBIC METERS]



ELEVATION VIEW
91714



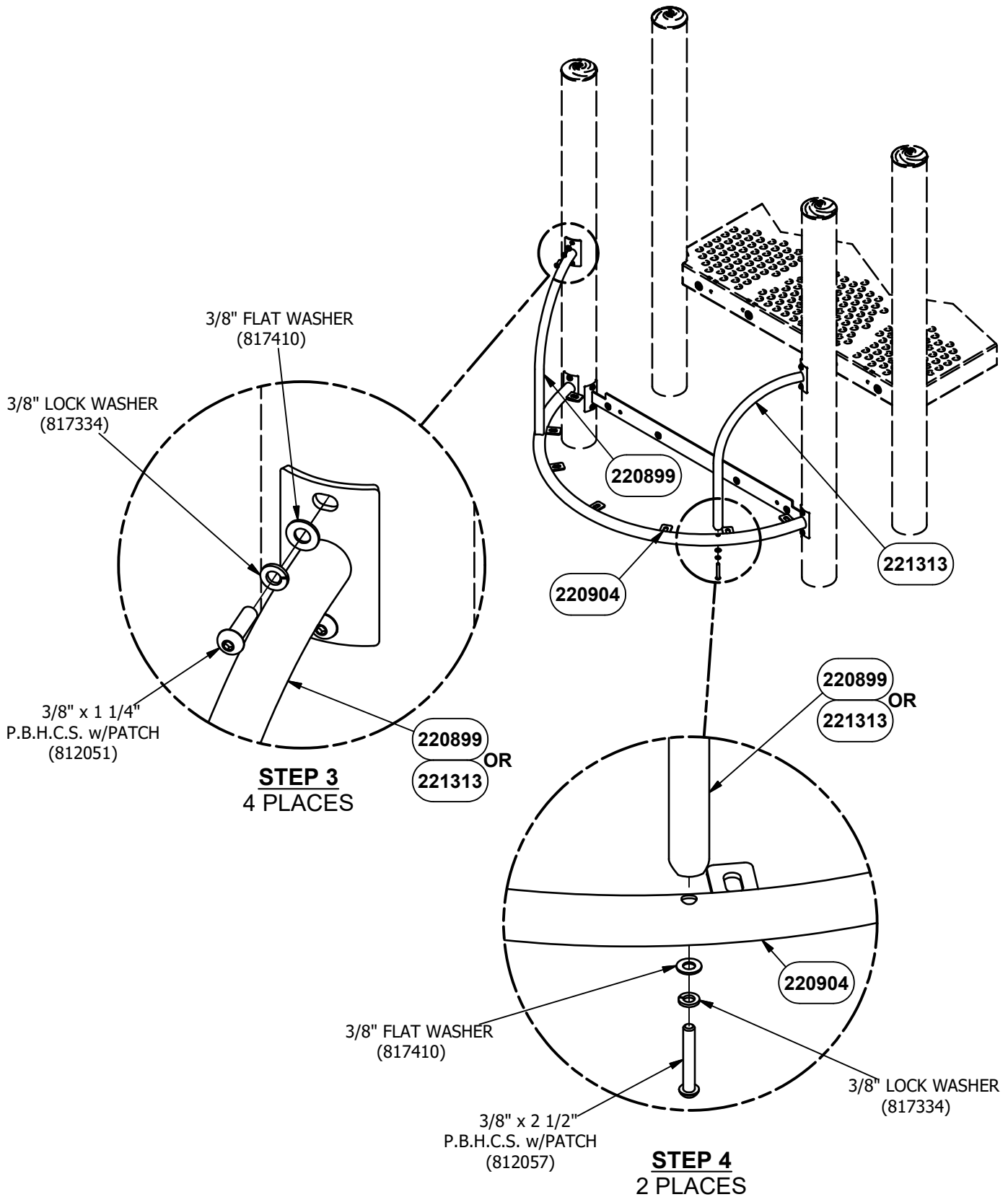
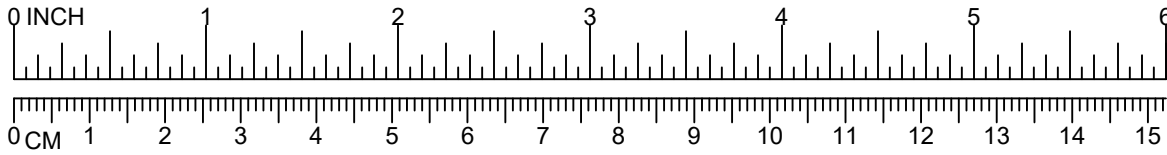
STEP 1
4 PLACES



STEP 2
4 PLACES

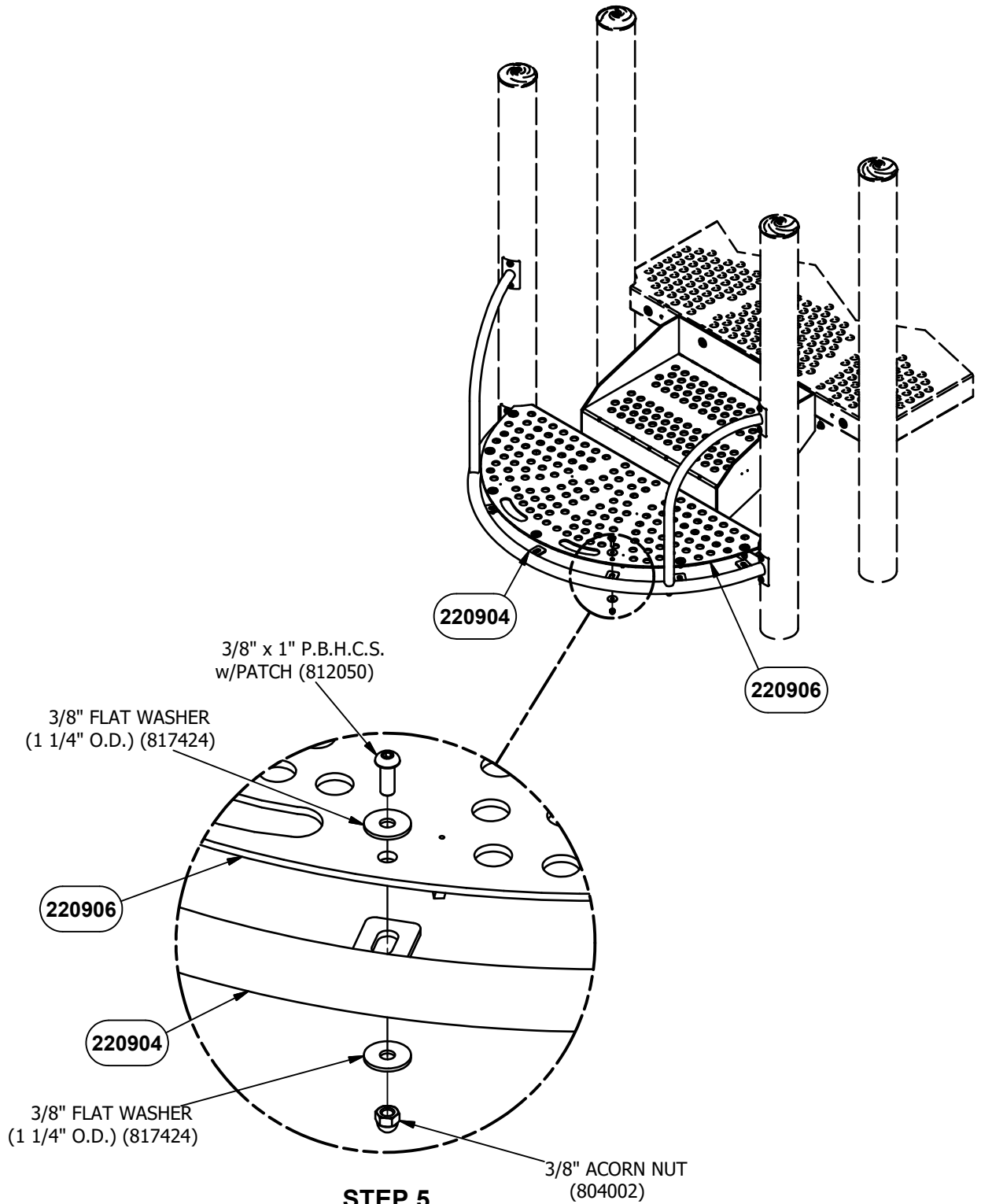
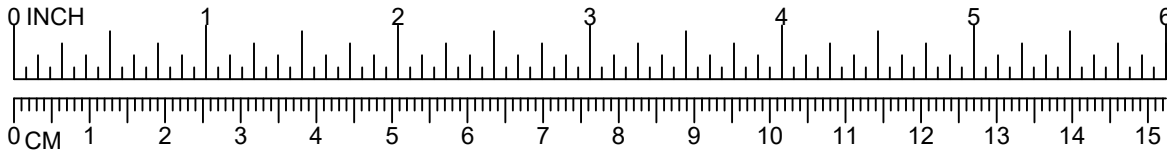
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



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

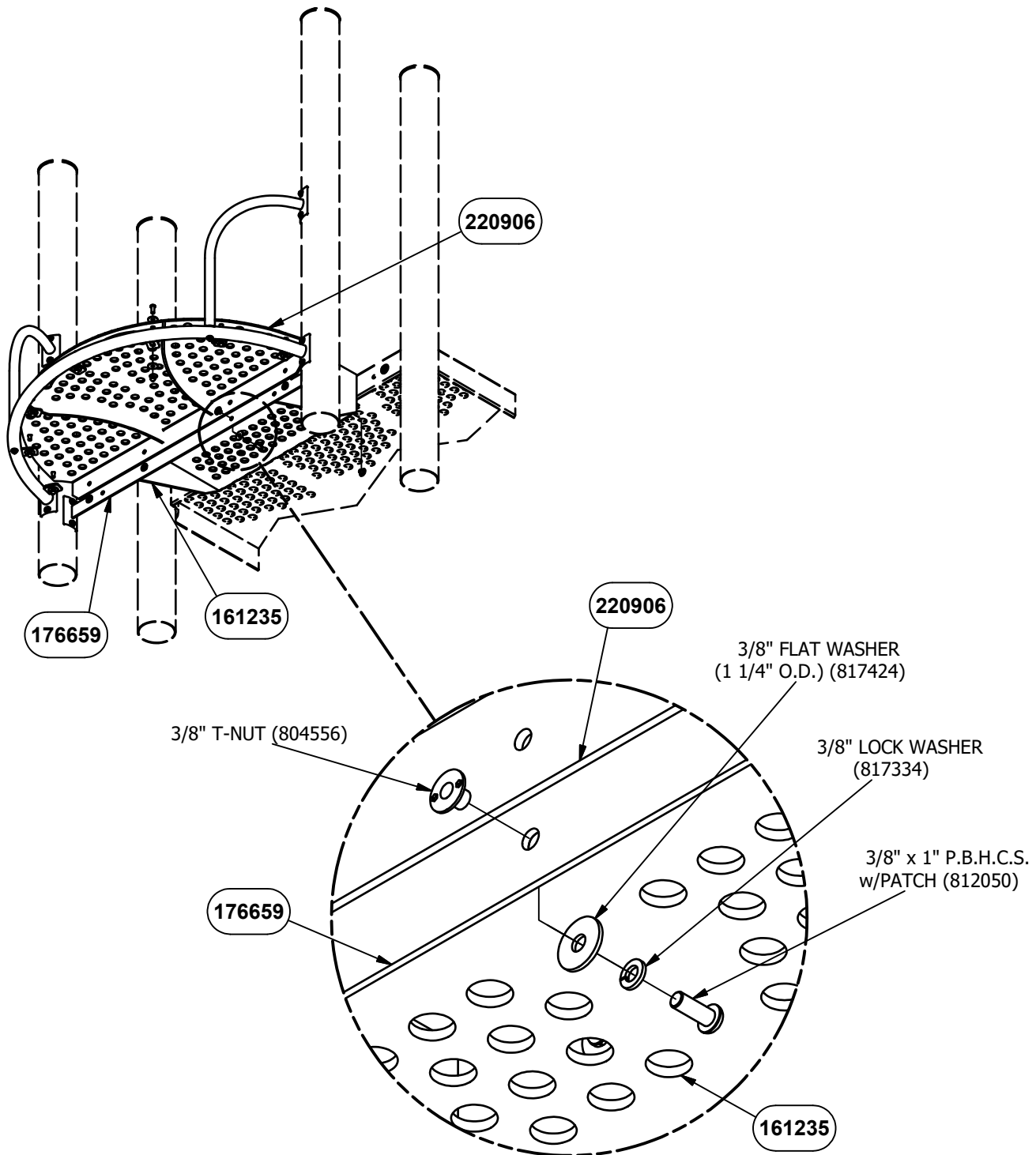
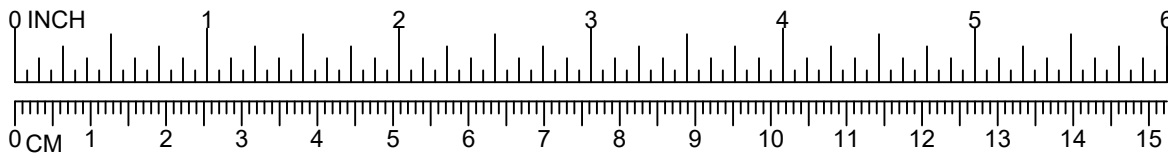
DETAIL VIEW



STEP 5
7 PLACES

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

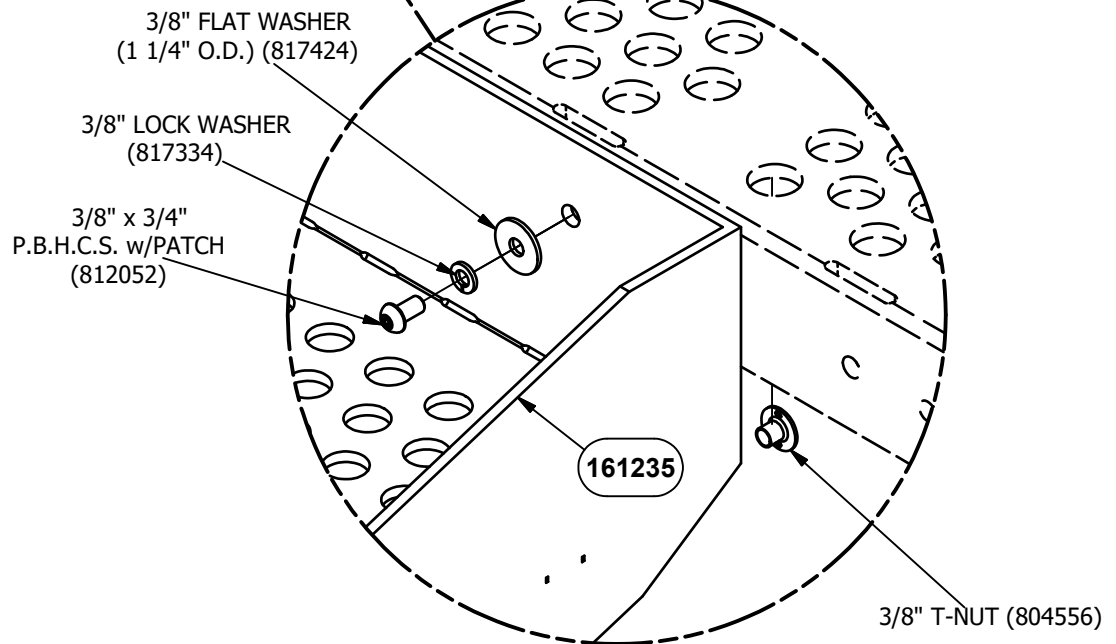
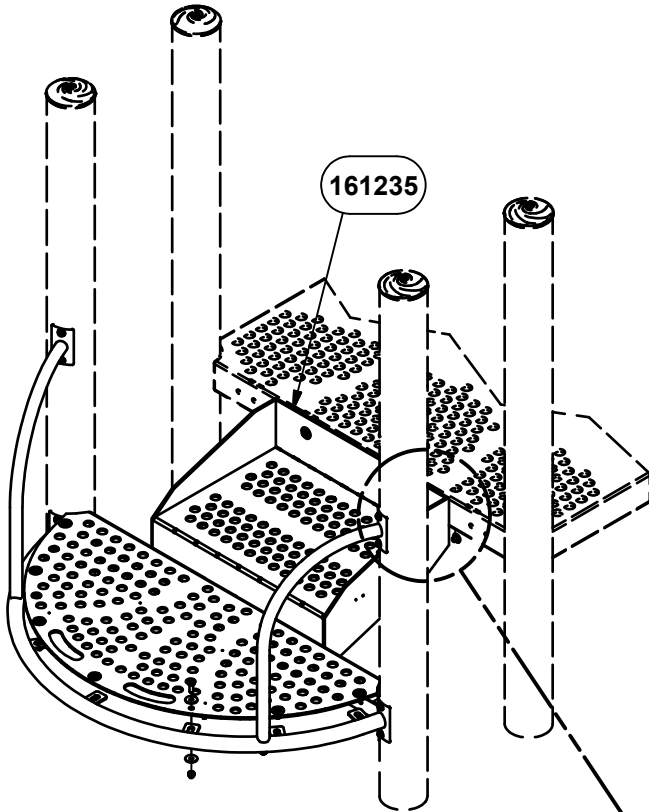
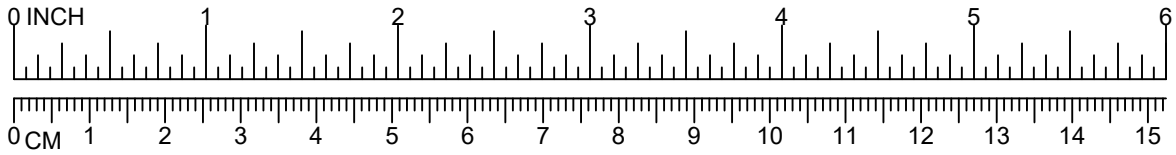
DETAIL VIEW



STEP 6
2 PLACES

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

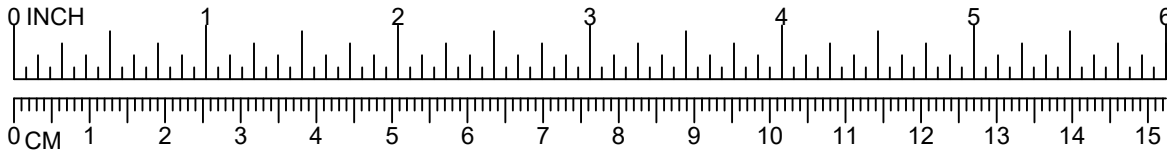
DETAIL VIEW



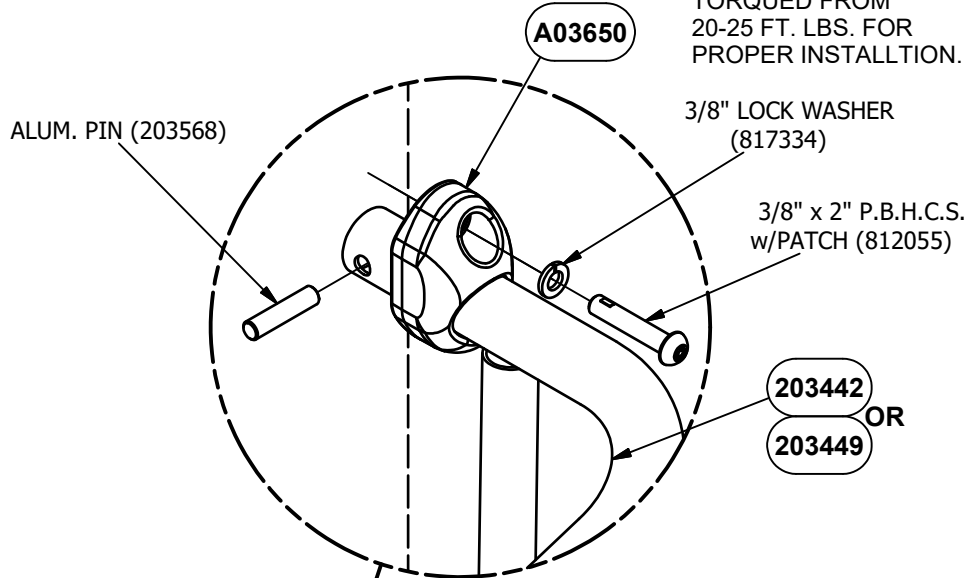
STEP 7
2 PLACES

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

DETAIL VIEW



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



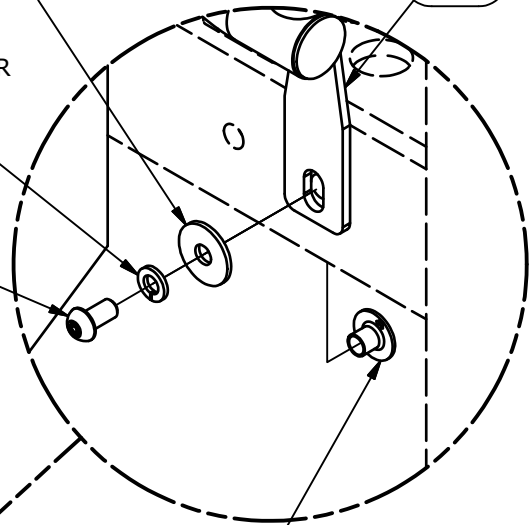
STEP 8
4 PLACES

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

203449
OR
203442

3/8" LOCK WASHER
(817334)

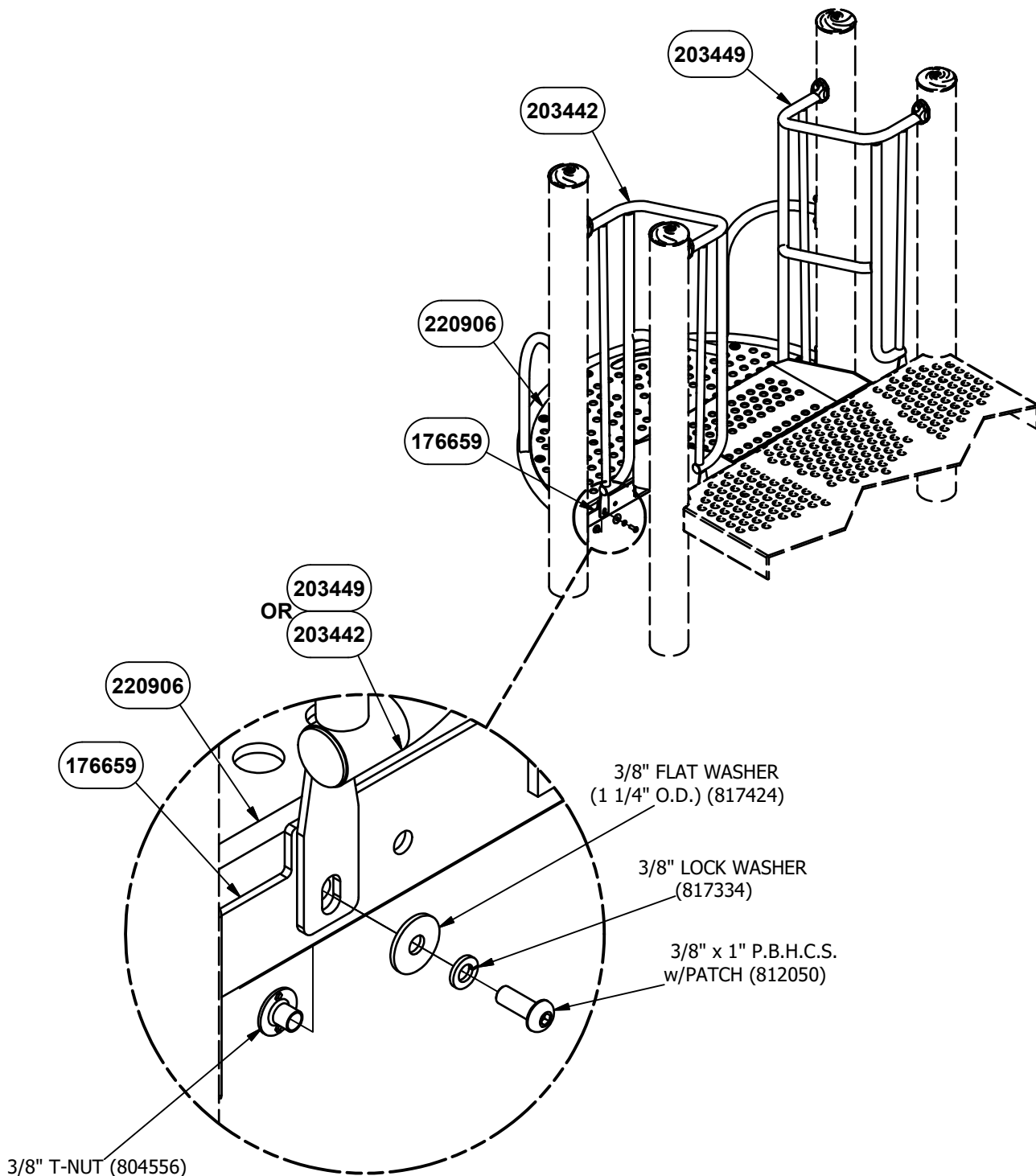
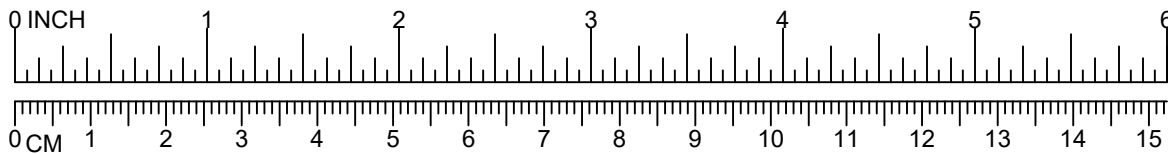
3/8" x 3/4"
P.B.H.C.S. w/PATCH
(812052)



3/8" T-NUT (804556)

STEP 9
2 PLACES

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



STEP 10
2 PLACES

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

DETAIL VIEW

Parts List					
DESCRIPTION	91711	91712	91713	91714	PART NUMBER
TRU-LOC	4	4	4	4	A03650
COATED PLATFORM	1	1	1	1	220906
1' COATED STEPLINK	1	0	0	0	161235
3' COATED STEPLINK	0	0	0	1	161371
STEP ASSEMBLY	0	1	0	0	160670
STEP ASSEMBLY	0	0	1	0	167494
RIGHT GUARDRAIL WELD ASSEMBLY	1	0	0	0	203442
RIGHT GUARDRAIL WELD ASSEMBLY	0	1	0	0	203460
RIGHT GUARDRAIL WELD ASSEMBLY	0	0	1	0	203472
RIGHT GUARDRAIL WELD ASSEMBLY	0	0	0	1	203483
LEFT GUARDRAIL WELD ASSEMBLY	1	0	0	0	203449
LEFT GUARDRAIL WELD ASSEMBLY	0	1	0	0	203466
LEFT GUARDRAIL WELD ASSEMBLY	0	0	1	0	203478
LEFT GUARDRAIL WELD ASSEMBLY	0	0	0	1	203489
PLATFORM SUPPORT WELD ASSEMBLY	1	1	1	1	220904
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	220899
HAND SUPPORT WELD ASSEMBLY	1	1	1	1	221313
RAMP SUPPORT	1	1	1	1	176659
HARDWARE COMPLETE	1	1	1	1	221342
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	11	11	11	11	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	12	12	12	12	812051*
3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	812055*
3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	812057*
3/8" FLAT WASHER	14	14	14	14	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	22	22	22	22	817424*
3/8" LOCK WASHER	26	26	26	26	817334*
3/8" T-NUT	8	8	8	8	804556*
3/8" ACORN NUT	7	7	7	7	804002*
ALUM. PIN	4	4	4	4	203568*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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- Check for welded areas and verify integrity.
- Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease.
- Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

PowerScape

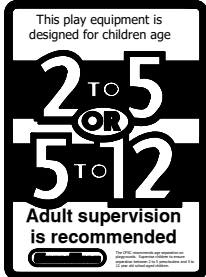
GameTime

A PLAYCORE Company

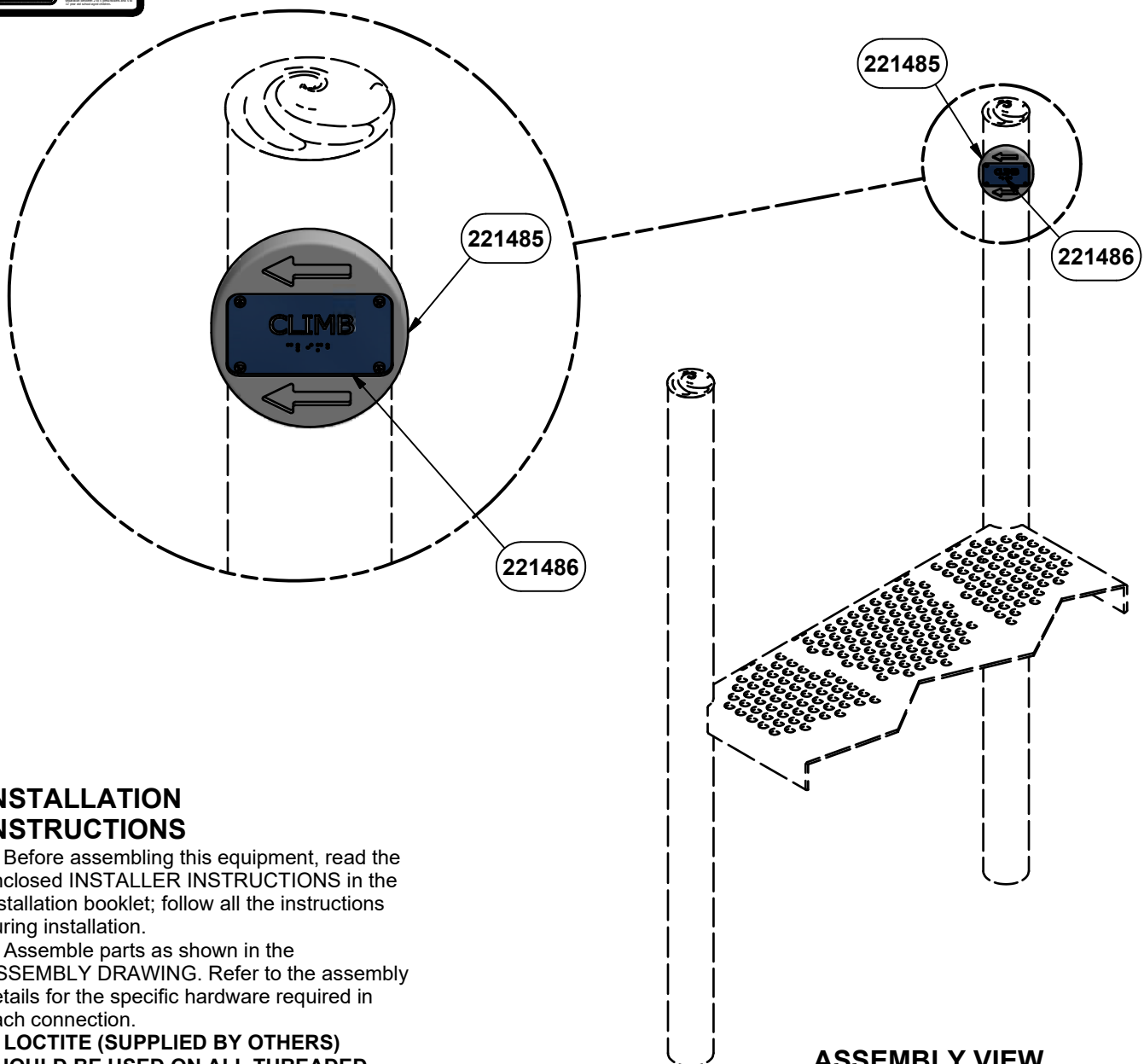
1-800-235-2440

ISSUED/REVISED: 9/7/2022

91721 BRAILLE WAYFINDER SIGN



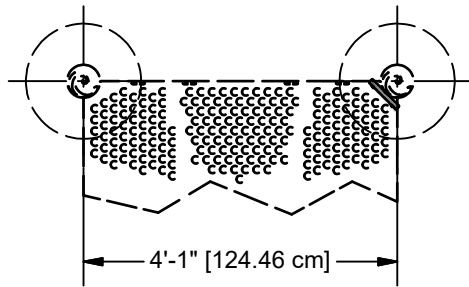
WAYFINDER SIGN - "CLIMB"	91721
WAYFINDER SIGN - "SLIDE"	91722
WAYFINDER SIGN - "STEP"	91723
WAYFINDER SIGN - "MUSIC"	91724
WAYFINDER SIGN - "RAMP"	91725



ASSEMBLY VIEW
91721 SHOWN
OTHERS SIMILAR

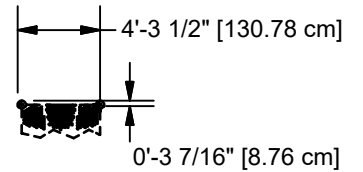
INSTALLATION INSTRUCTIONS

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

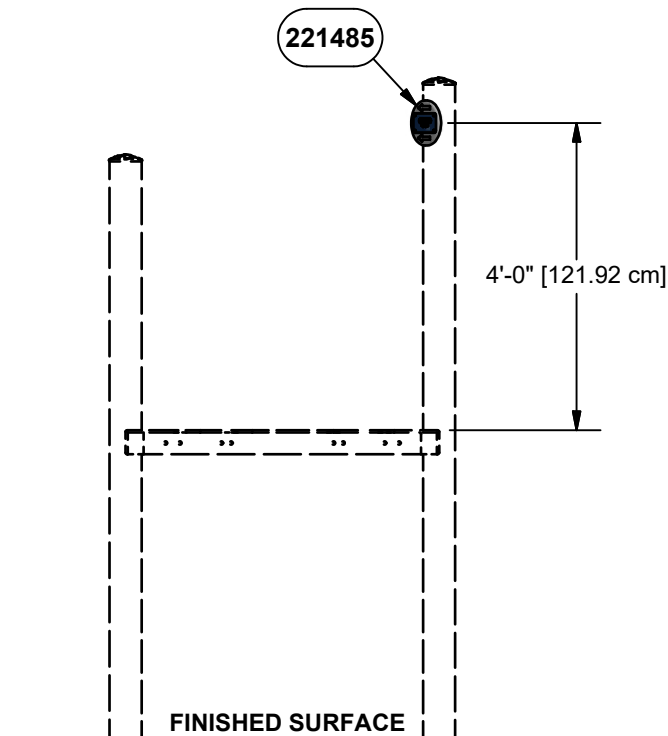


PLAN VIEW
91721 SHOWN
OTHERS SIMILAR

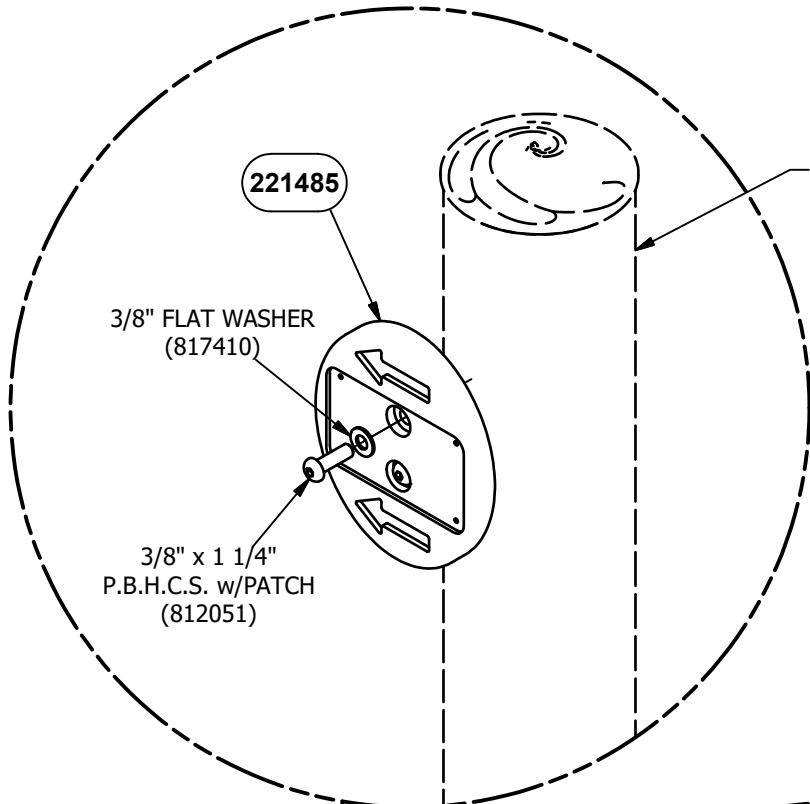
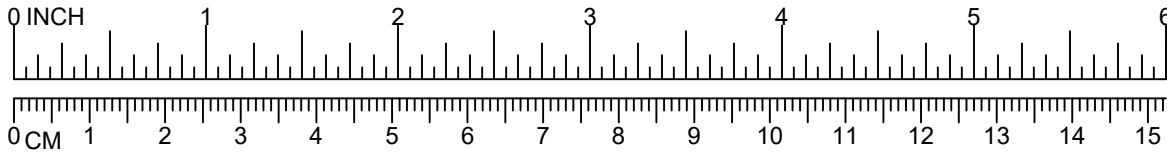
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



TOP VIEW
91721 SHOWN
OTHERS SIMILAR

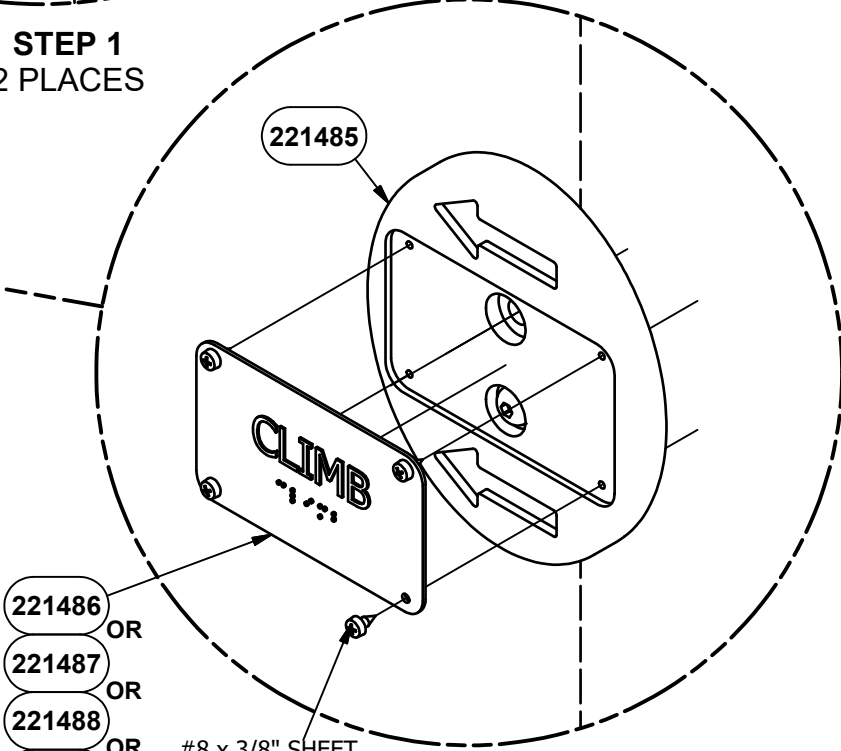
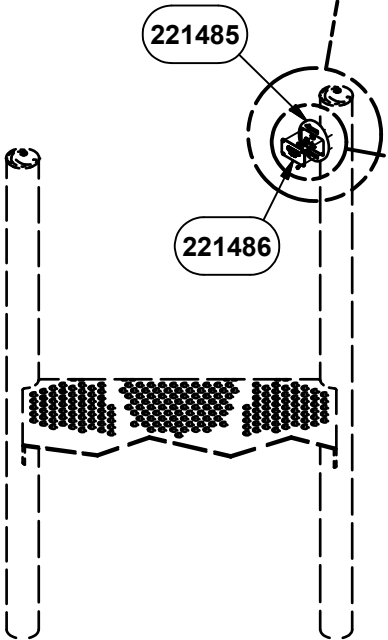


ELEVATION VIEW
91721 SHOWN
OTHERS SIMILAR



NOTE: MOUNT ARROWS IN DIRECTION OF ACTIVITY BEFORE ATTACHING BRAILLE.

STEP 1
2 PLACES



- 221486 OR
- 221487 OR
- 221488 OR
- 221489 OR
- 221490

#8 x 3/8" SHEET METAL SCREW (810067) **STEP 2**
4 PLACES

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

DETAIL VIEW

Parts List						
DESCRIPTION	91721	91722	91723	91724	91725	PART NUMBER
WAYFINDER PANEL	1	1	1	1	1	221485
CLIMB BRAILLE PANEL	1	0	0	0	0	221486
SLIDE BRAILLE PANEL	0	1	0	0	0	221487
STEP BRAILLE PANEL	0	0	1	0	0	221488
MUSIC BRAILLE PANEL	0	0	0	1	0	221489
RAMP BRAILLE PANEL	0	0	0	0	1	221490
HARDWARE COMPLETE	1	1	1	1	1	221491
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812051*
#8 x 3/8" SHEET METAL SCREW	4	4	4	4	4	810067*
3/8" FLAT WASHER	2	2	2	2	2	817410*

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

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

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

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

MAINTENANCE PROCEDURE:

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

PowerScape®

91741

GameTime®

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ISSUED/REVISED: 9/16/2022

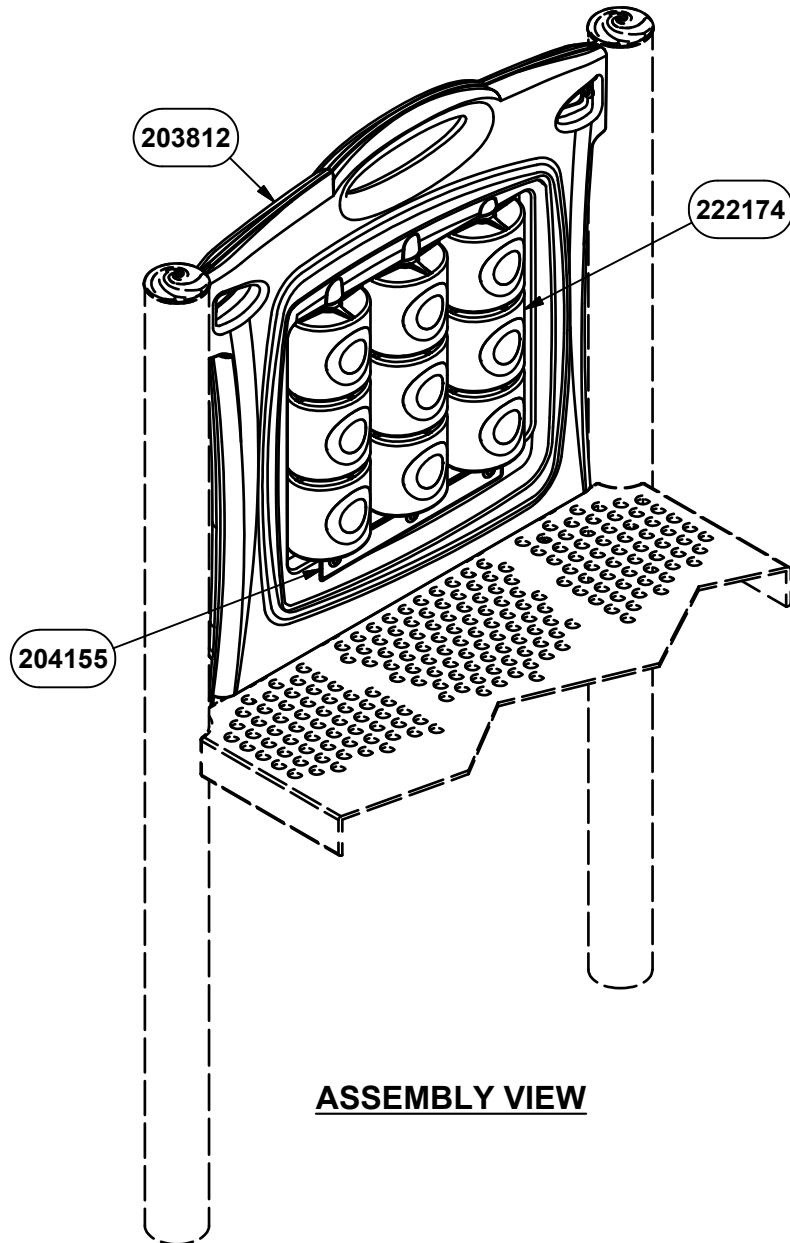
TIC-TAC-TOE PANEL



UP TO 5'-0"
DECK HEIGHTS



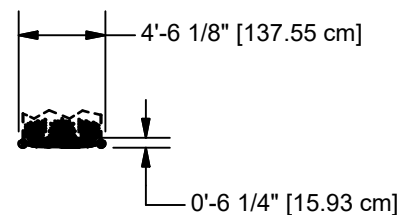
ALL
DECK HEIGHTS



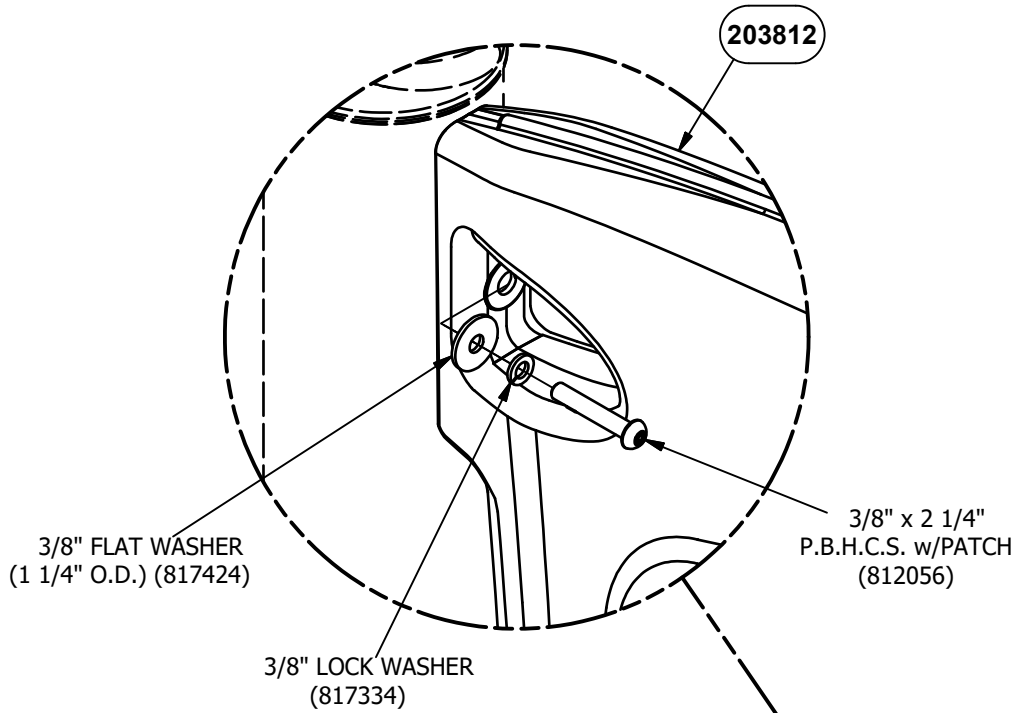
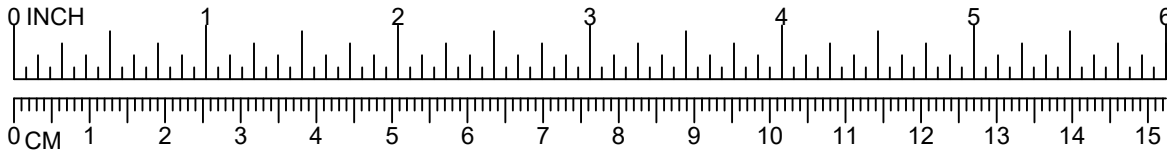
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

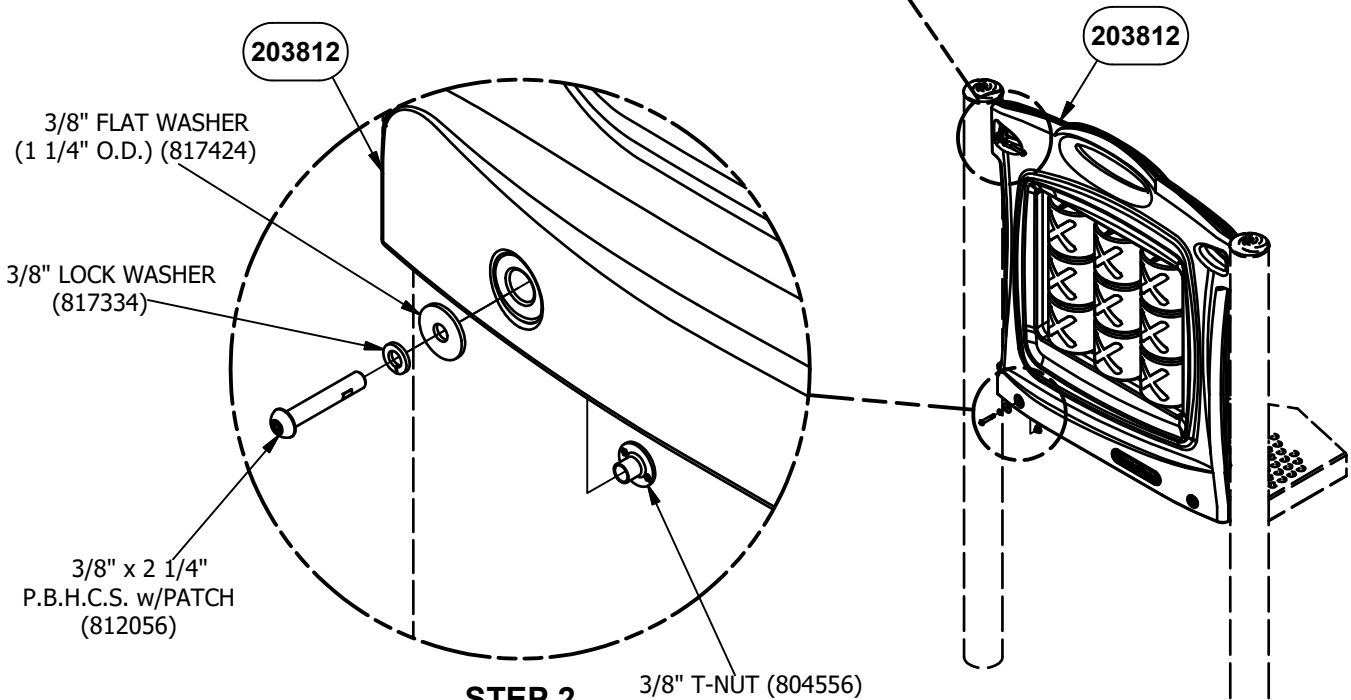
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



TOP VIEW

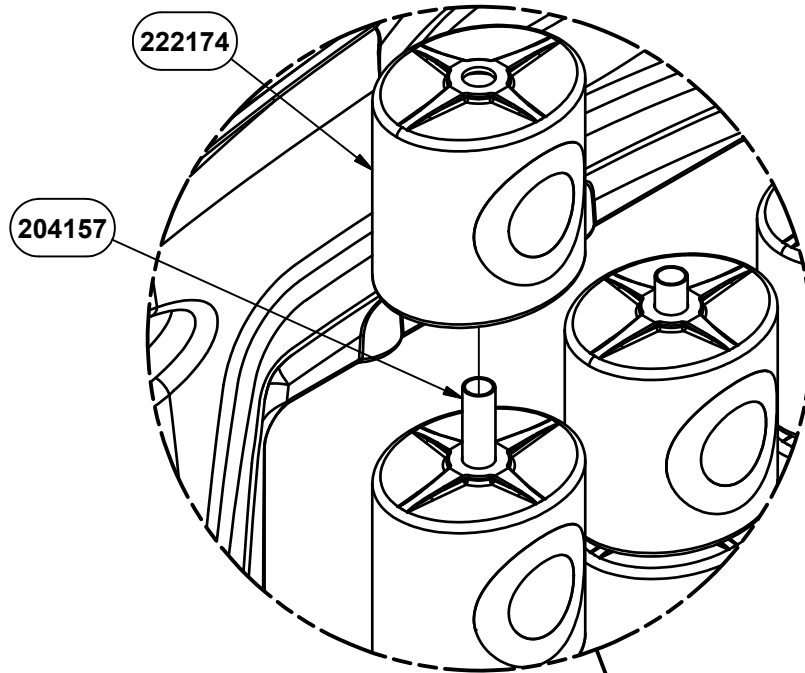
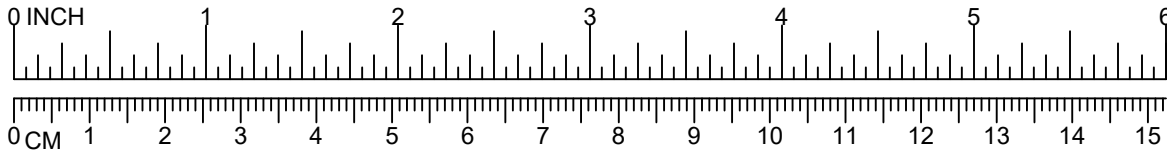


STEP 1
2 PLACES

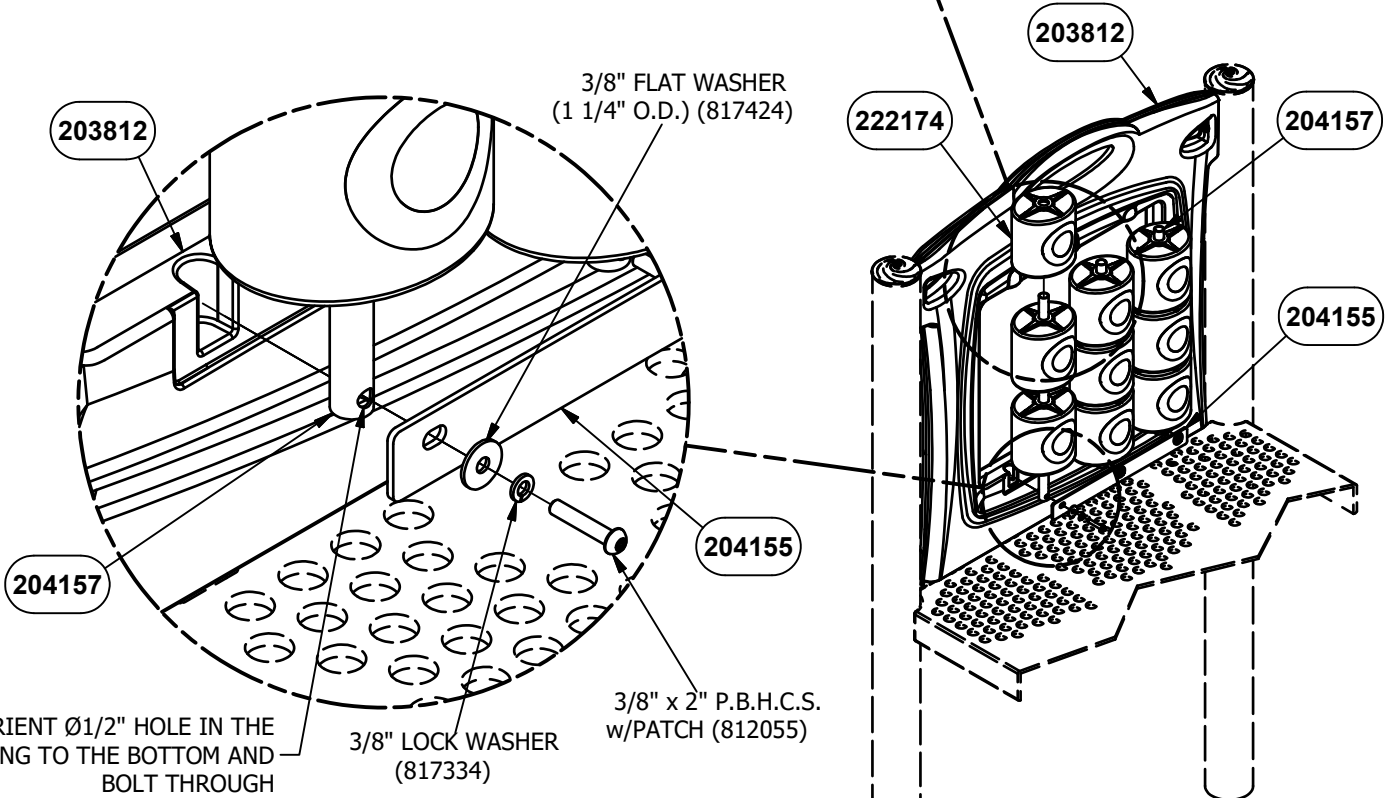


STEP 2
2 PLACES

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



STEP 3



STEP 4
3 PLACES

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

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
TIC TAC TOE GAMEPIECE	1	222174
INTERACTIVE PANEL RUNG	3	204157
INTERACTIVE PANEL	1	203812
COVER PLATE	1	204155
HARDWARE COMPLETE	1	222175
3/8" x 2" P.B.H.C.S. w/PATCH	3	812055*
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	812056*
3/8" FLAT WASHER (1 1/4" O.D.)	7	817424*
3/8" LOCK WASHER	7	817334*
3/8" T-NUT	2	804556*

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

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

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

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

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

116803 - NATURE PLAYGROUND EQUIPMENT

Reference Sheets:PG-100, PG-101, PG-102, PG-103, PG-104 for site plan layout and images of playground.

- 2 1483 2955 Belt Seat 3 1/2" Od (See spec 1047)
- 1 6312 Mesa 16
- 1 6314 Dune 11
- 1 38115 Tree Swing
- 1 38225 Hopper Rock
- 1 38227 Square Boulder
- 1 38233 Forked Balance Beam
- 1 X28829 Custom 5' Net (Conceptual no spec available)
- 5 Custom Tree Stumps (Conceptual no spec available)

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NATURE PLAYGROUND EQUIPMENT

Basis of design playground equipment has been identified by technical drawings, product lists and equipment cut sheets, these are intended to establish a level of design aesthetics, range of play activities and components for a full turnkey playground equipment, this information is not intended to be or represented to be a full list of components and product identification and may vary. It is the responsibility of each bidder and manufacture to provide a full turnkey design and playground equipment equal to the basis of design as identified by the contract documents.

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1047

SEAT

ISSUED/REVISED: 10/30/17

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

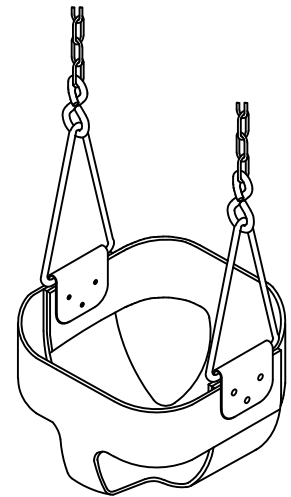
BELT SEAT 1047
FULLY ENCLOSED SEAT 8520
 1464, 1468, 1469, 1470,
 1472, 1481, 1483, CC1464,
 SS1464, SS1469, SS1470,
 SS1468, SS1481, SS1483
SEAT PACKAGES



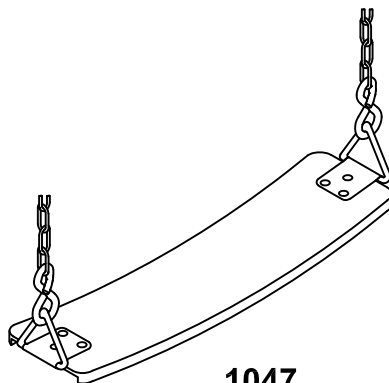
1464, 1469, 1470, SS1464,
SS1469, SS1470



1468, 1472, 1481, 1483,
SS1468, SS1481, SS1483



8520



1047

SPECIFICATIONS

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



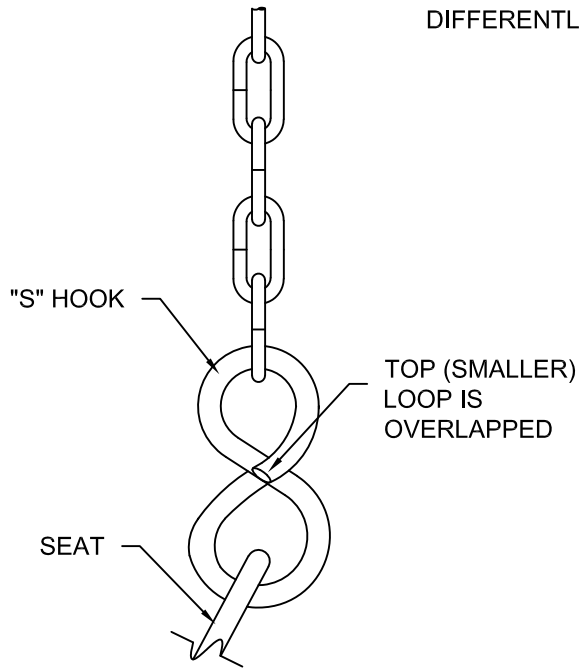
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



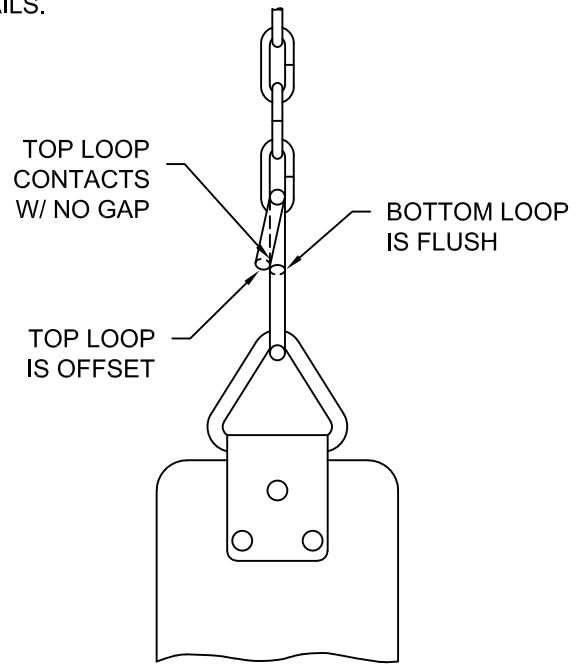
- Replace all worn "S" Hooks. "S" Hooks must be completely closed. Failure to close "S" Hooks properly can result in serious injury to the user. Never reuse "S" Hooks.
- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. **NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.** A fall on a hard surface can result in serious injury to the equipment user.
- **ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.**
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- All protruding nuts and bolts should be covered; sharp edges on pipes should be capped or removed. Check for bent, broken or severely worn pipe and replace.
- Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- **THE SPECIFICATION SHEET SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE.**
- Never add components not intended for use with this product.
- Regular maintenance is necessary on this and all playground equipment to ensure the safety of the user.
- Never use playground equipment around or in conjunction with swimming pools, ponds, lakes or any other bodies of water.

DETAIL OF PROPERLY CLOSED "S" HOOK

NOTE: TOP AND BOTTOM
LOOPS ARE CLOSED
DIFFERENTLY. SEE DETAILS.

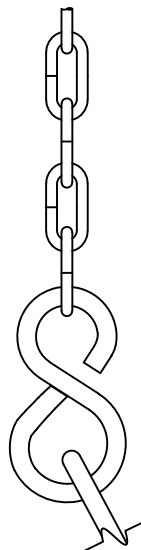


BACK VIEW

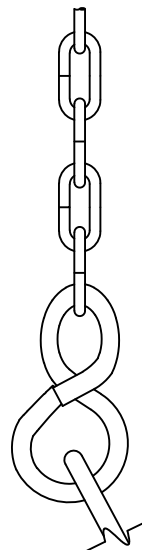


SIDE VIEW

"S" HOOK LOOPS MUST BE CLOSED PER THESE INSTRUCTIONS. FAILURE TO CLOSE "S" HOOK LOOP PROPERLY CAN RESULT IN SERIOUS INJURY TO THE USER. DO NOT REUSE AN "S" HOOK AFTER OPENING LOOPS. REPLACE WORN "S" HOOK(S).



WRONG



WRONG

PARTS LIST

DESCRIPTION	NO. REQ'D.			PART NUMBER
	1464	1469	1470	
Swing Seat Ass'y	1	1	1	8520
Swing Hanger (2 3/8" O.D.)	0	2	0	1461*
Swing Hanger (3 1/2" O.D.)	0	0	2	1462*
Swing Hanger (5" O.D.)	2	0	0	1487*
Chain (3'-10 3/8" LG)	2	2	2	131904*
		1481	1483	
Belt Seat		1	1	1047
Swing Hanger (2 3/8" O.D.)		2	0	1461*
Swing Hanger (3 1/2" O.D.)		0	2	1462*
Chain		2	2	153867*
			1468	
Belt Seat			1	1047
Swing Hanger (5" O.D.)			2	1487*
Chain			2	103052*

DESCRIPTION	NO. REQ'D.						PART NUMBER
	SS1464	SS1468	SS1469	SS1470	SS1481	SS1483	
Swing Seat Ass'y	1	0	1	1	0	0	8520
Belt Seat	0	1	0	0	1	1	1047
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.)	2	2	0	0	0	0	1487*
Stainless Steel Chain	2	0	2	2	0	0	177994*
Stainless Steel Chain	0	0	0	0	2	2	177990*
Stainless Steel Chain	0	2	0	0	0	0	177993*

Unless Otherwise Specified, All Units of Measure are Each



** Included in Hardware*

NOTE: "CC" Prefix Before Package Number Indicates Seat with Coated Chain

**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.**

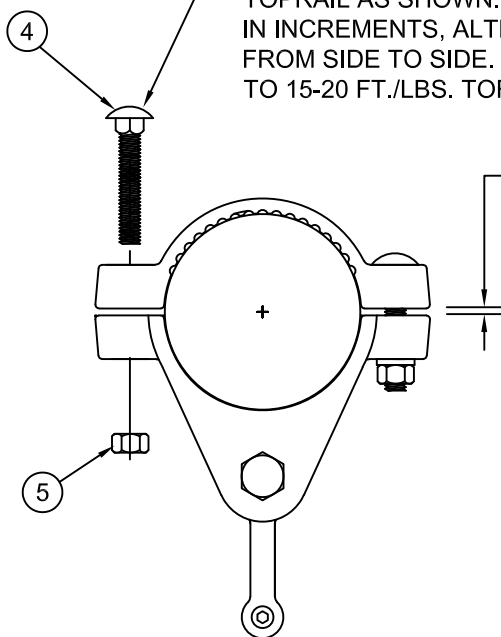
SWING HANGER

ISSUED/REVISED: 3/15/16

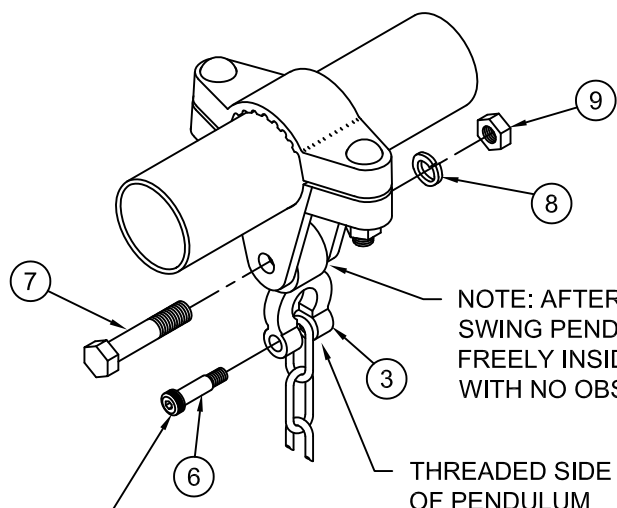
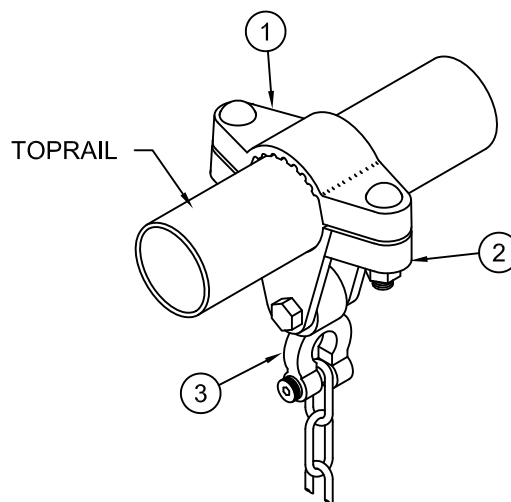
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

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

PLACE SWING HANGER ON TOPRAIL AS SHOWN. TIGHTEN IN INCREMENTS, ALTERNATING FROM SIDE TO SIDE. TIGHTEN TO 15-20 FT./LBS. TORQUE.



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

NOTE: BOLT HEAD TO FACE INTERIOR OF SWING

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

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

PARTS LIST

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

Unless Otherwise Specified, All Units of Measure are Each

** 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.



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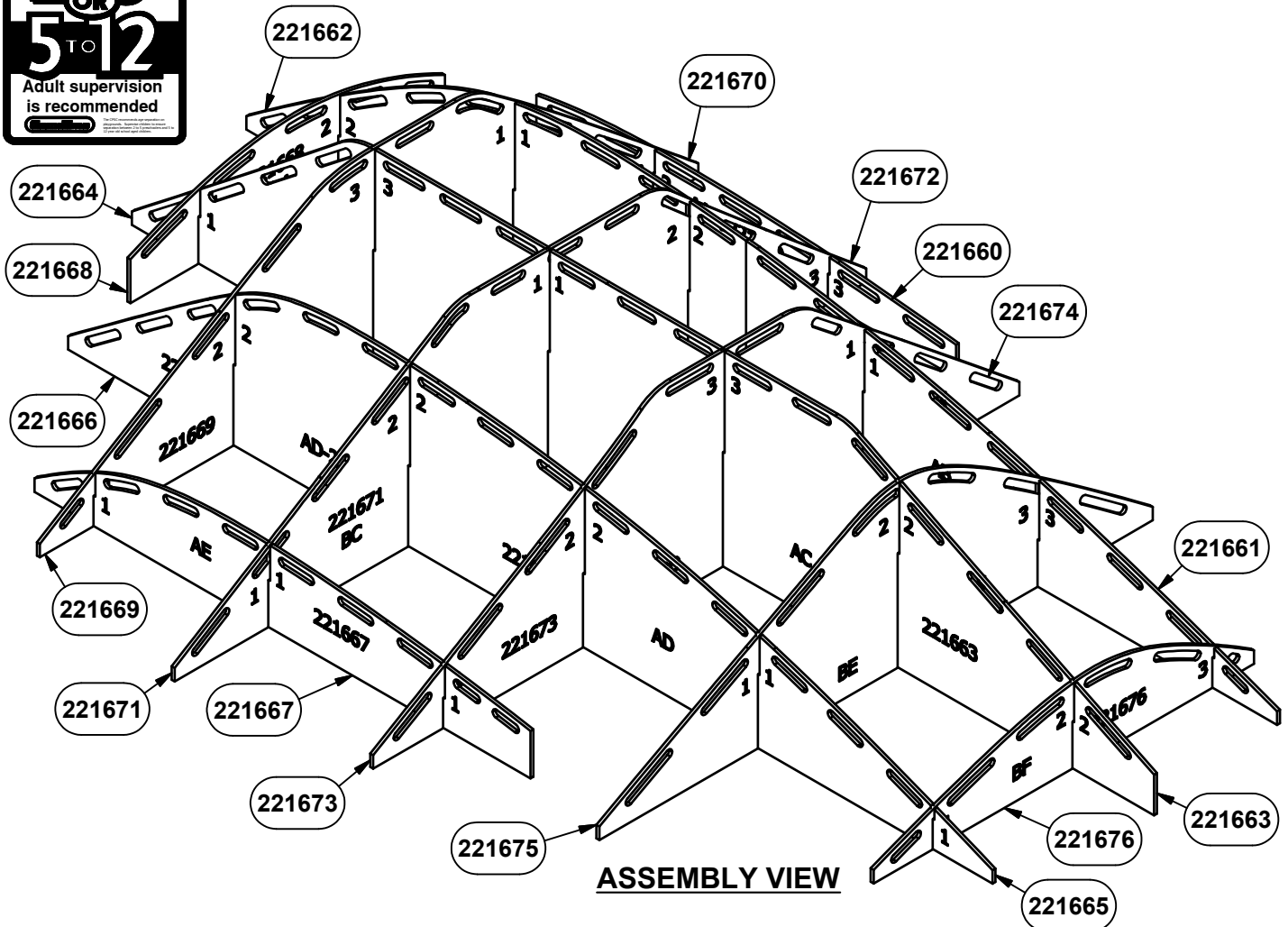
MESA 16

ISSUED/REVISED: 8/5/2022

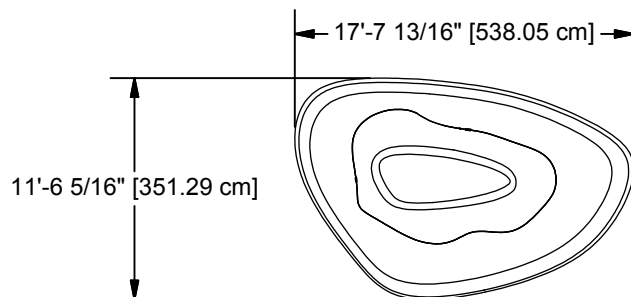
This play equipment is designed for children age

2 TO 5
OR
5 TO 12

Adult supervision is recommended



ASSEMBLY VIEW



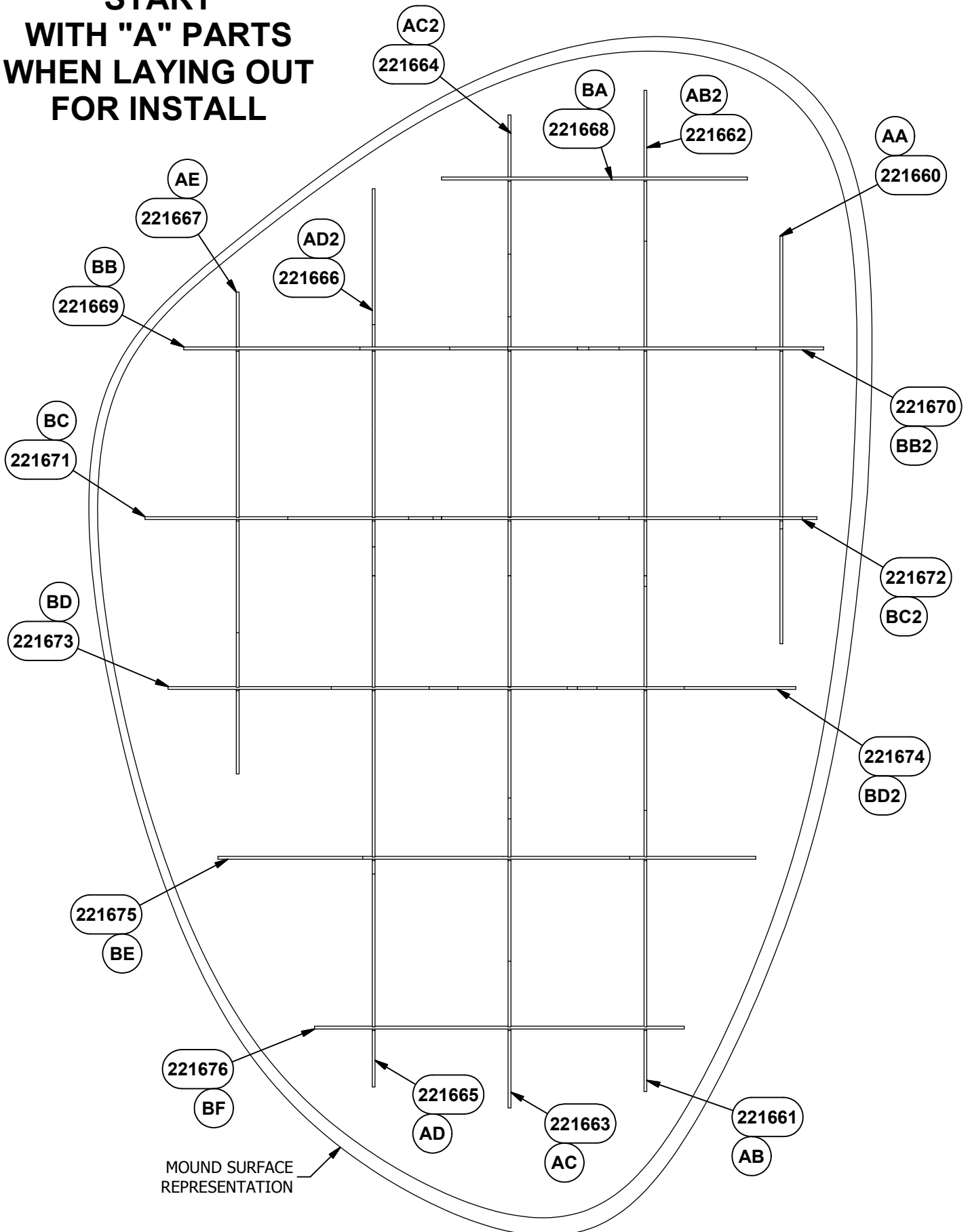
TOP VIEW

INSTALLATION INSTRUCTIONS

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

REFER TO PAGES 2 AND 6 FOR HDPE PLACEMENT

**START
WITH "A" PARTS
WHEN LAYING OUT
FOR INSTALL**

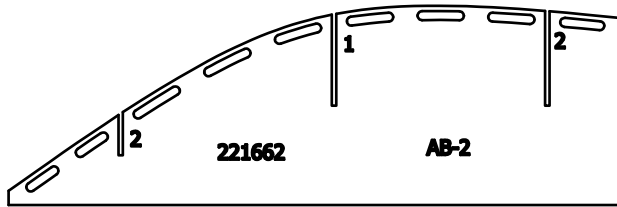


SQUARE FOOTAGE:
146.04 ft [21029.43 in]
13.57 m [135673.47 cm]

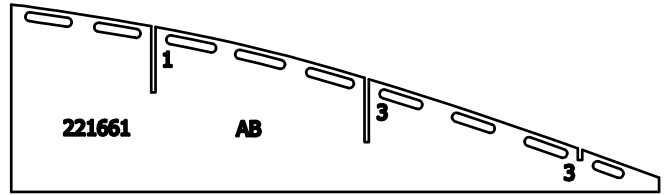
**ASSEMBLY TOP VIEW
HDPE PLACEMENT**



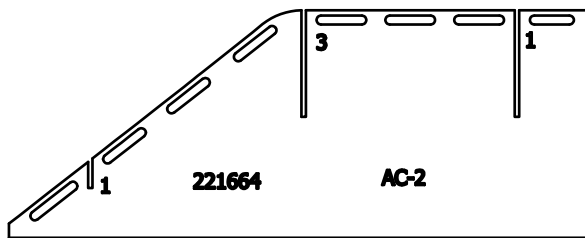
221660 - AA



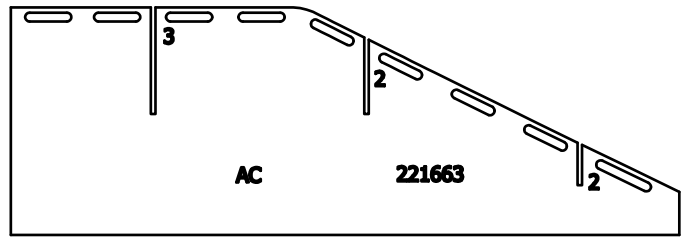
221662 - AB2



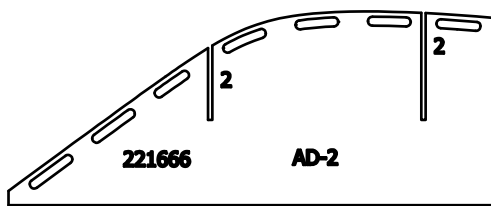
221661 - AB



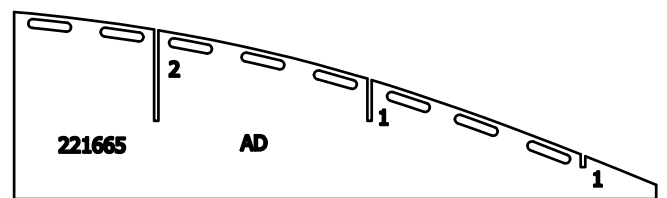
221664 - AC2



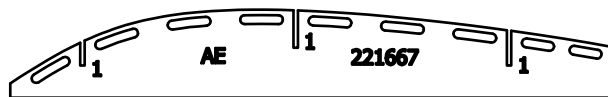
221663 - AC



221666 - AD2

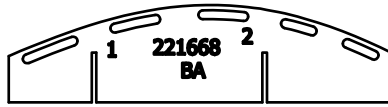


221665 - AD

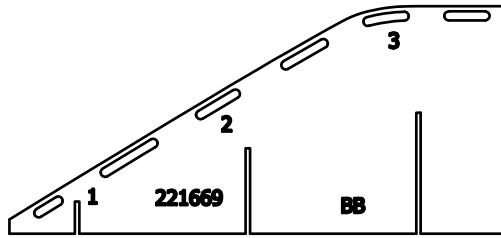


221667 - AE

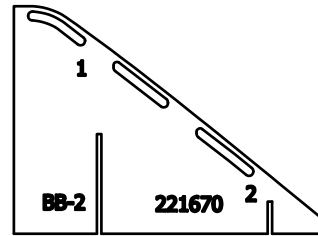
KIT COMPONENTS VIEW
"A" PANELS



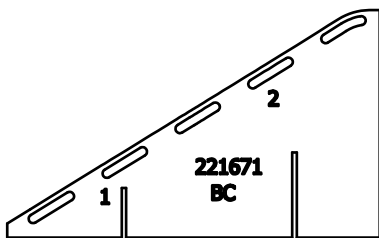
221668 - BA



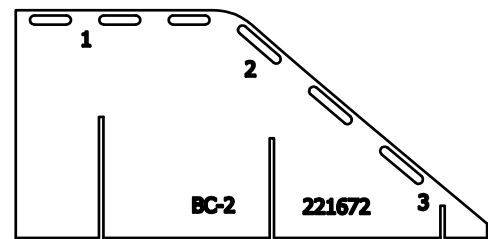
221669 - BB



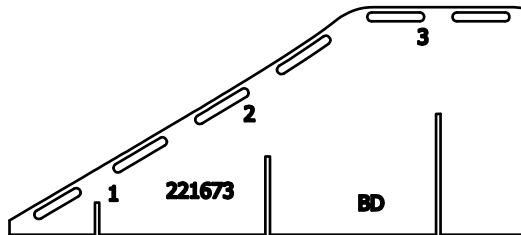
221670 - BB2



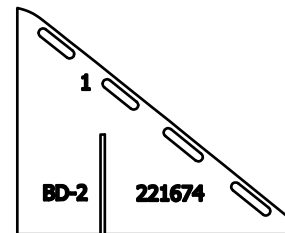
221671 - BC



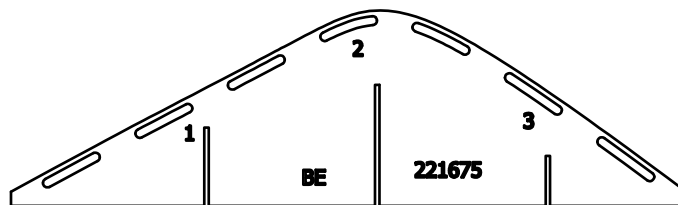
221672 - BC2



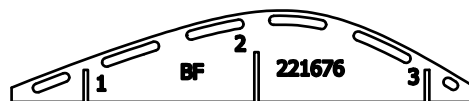
221673 - BD



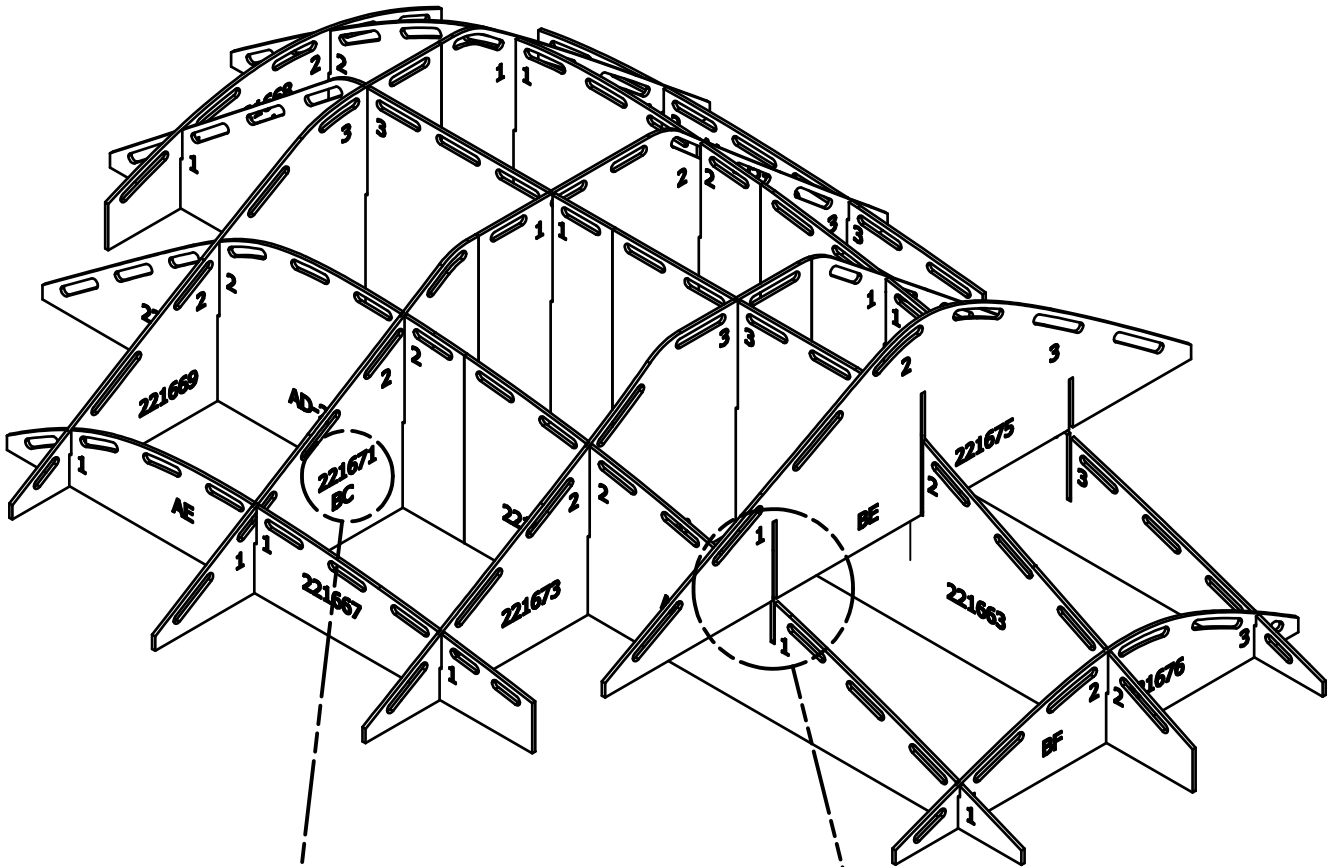
221674 - BD2



221675 - BE



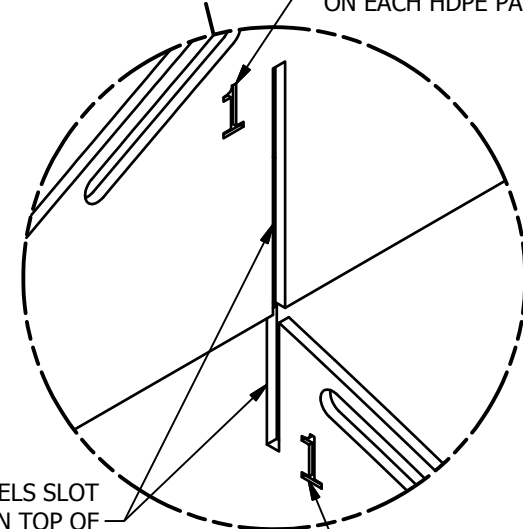
221676 - BF



HDPE PANELS ARE ETCHED WITH LETTERS AND THE PART NUMBERS TO HELP WITH IDENTIFICATION



MATCH NUMBERS ON EACH HDPE PANEL



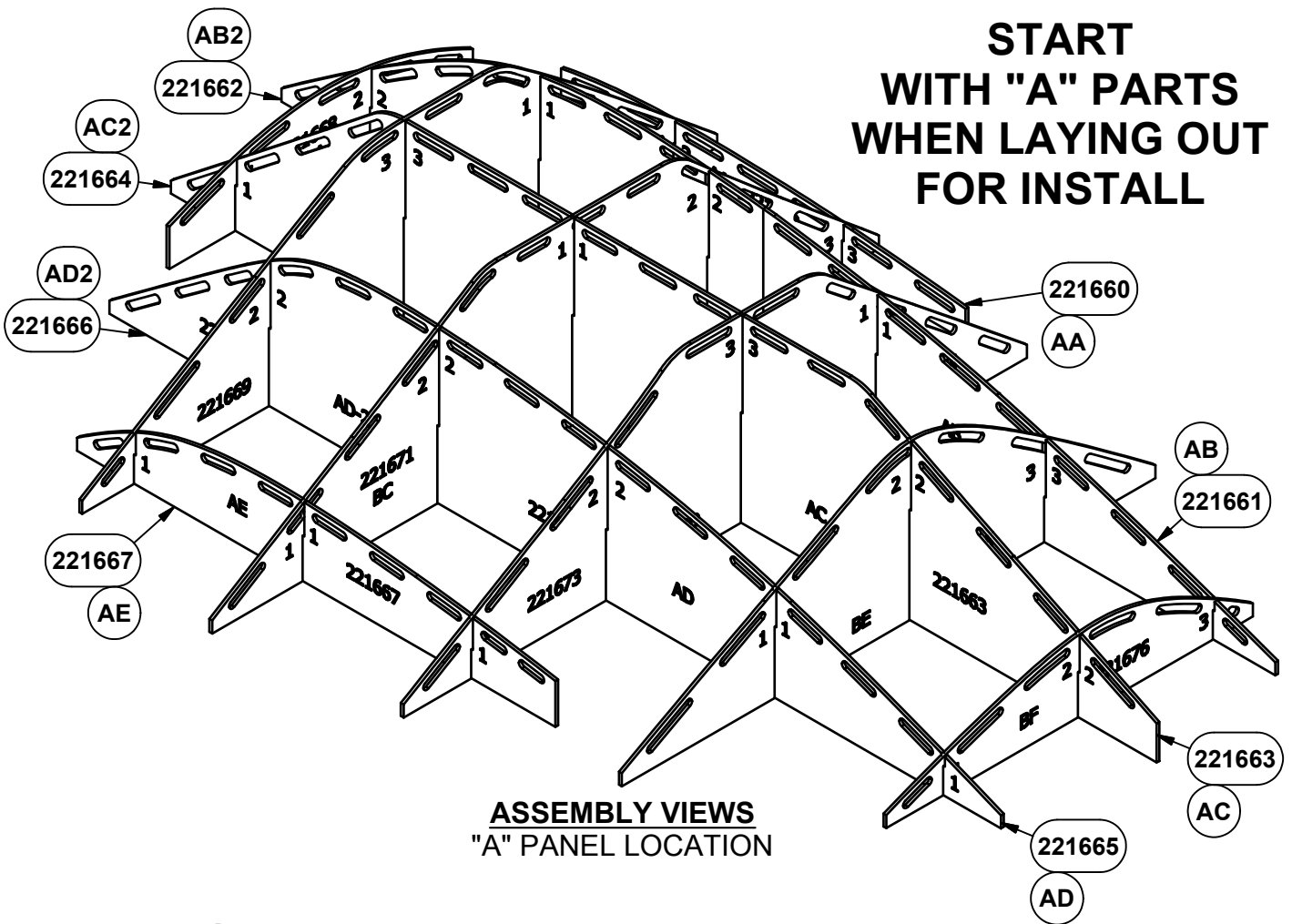
HDPE "B" PANELS SLOT WILL ALIGN ON TOP OF HDPE "A" PANELS SLOT

HDPE PANELS ARE ETCHED WITH NUMBERS TO HELP WITH ALIGNMENT

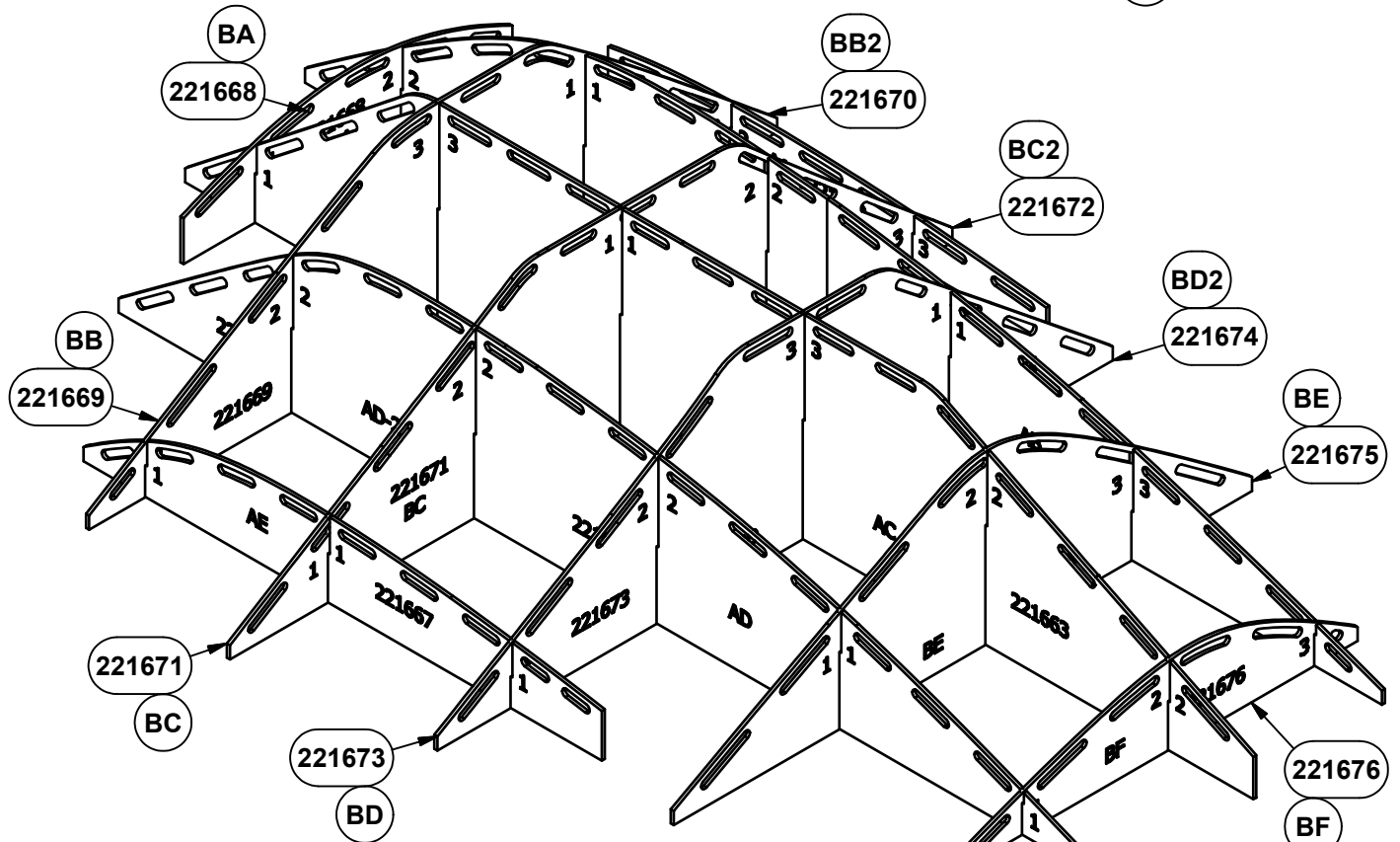
START WITH "A" PARTS WHEN LAYING OUT FOR INSTALL
REFER TO PAGES 2 AND 6 FOR HDPE PLACEMENT

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

**START
WITH "A" PARTS
WHEN LAYING OUT
FOR INSTALL**



**ASSEMBLY VIEWS
"A" PANEL LOCATION**



**ASSEMBLY VIEWS
"B" PANEL LOCATION**

* RUBBER SURFACING THICKNESS
MAY VARY DEPENDING ON
FALL HEIGHT REQUIREMENTS.

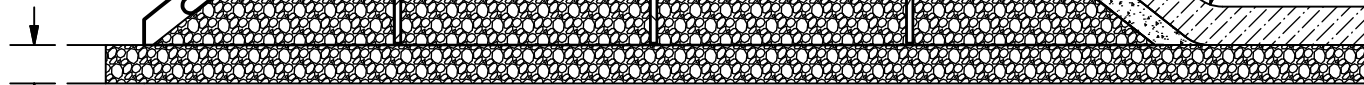
* POURED IN PLACE RUBBER
SURFACING SYSTEM
MINIMUM 0'-3" [7.62 cm]

USE TOP OF HDPE TO HELP
DETERMINE HEIGHT OF
CONCRETE CAP
MINIMUM 0'-2" [5.08 cm]

USE BOTTOM OF SLOT IN
HDPE TO HELP DETERMINE
HEIGHT OF CRUSHED
STONE MIXTURE

FINISHED GRADE

HORIZONTAL
CONTACT
POINT
TO BE
CONTINUOUS



SUB GRADE (EARTH)

MINIMUM 0'-3" [7.62 cm]
OF COMPACTED
CRUSHED STONE MIXTURE

ELEVATION VIEW

NOTES:

- SHOCK ABSORBING PROPERTIES OF SURACING MATERIALS MAY VARY.
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.

**CAP CONCRETE
REQUIRED:**

0.91 CUBIC YARDS
[0.70 CUBIC METERS]

**CRUSHED STONE MIXTURE
REQUIRED:**

7.35 CUBIC YARDS
[5.62 CUBIC METERS]



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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- 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.
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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.

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NOTE: Each piece of HDPE (high density polyethylene) is carefully identified for ease of placement during installation. Following the schematic for assembly is critical to correctly locate and install the mound kit.

NOTE: The site should be leveled to less than 1% slope. Install at least three inches of compacted 1-1/2" or less crushed stone mixture (often referred to as crush 'n run or crusher run) as the sub grade (directly underneath the mound). Compaction rate of 95%. **REFER TO PAGE 7 ELEVATION VIEW.**

NOTE: Careful attention must be made to accommodate for proper elevation of the finished surface on top of the mound. Set the mound frame elevation to accommodate for the additional 2" of concrete and then the depth of the poured in place rubber surfacing system. **REFER TO PAGE 7 ELEVATION VIEW.**

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STEP 2: Carefully follow the part list and assemble by sliding the pieces together in the appropriate slots. (This will take more than one person to help with assembly.) Upon completing assembly, double check overall position of mound template before beginning to fill with crushed stone mixture. **REFER TO PAGES 2 AND 6 FOR HDPE PLACEMENT.**

STEP 3: Begin filling mound template 50% (halfway) with crushed stone mixture. Compact with a tamp or small mechanical compactor. Continue to fill mound template until reaching the bottom of the slot in the HDPE and again tamp to assure mound template is full of packed crushed stone. Failure to follow this compacted layering technique may cause undesirable future settling of material. **REFER TO PAGE 7 ELEVATION VIEW.**

STEP 4: Apply 3,000 psi, batched for 2" slump concrete with reinforced fiber added to the entire mound surface by using the top of the HDPE to help determine the height of the concrete. Trowel smooth assuring level is at or slightly above the top of the HDPE. **REFER TO PAGE 7 ELEVATION VIEW.**

NOTE: Before concrete cap has completely dried, use a steel garden rake to make slight grooves on the exterior of the mound to assist the rubber poured in place adhesion.

NOTE: Upon completion, clean the area of loose debris and allow to cure for 72 hours prior to final surfacing installation.

IMPORTANT NOTES:

- CRUSHED STONE MIXTURE MUST BE COMPACTED PER INSTRUCTIONS.
- CONCRETE CAP MUST BE PER SPECIFICATIONS AND MINIMUM OF 2" THICK IN ALL APPLICATIONS.
- IF PLAYGROUND EQUIPMENT IS BEING INSTALLED INTO THE MOUND, REFER TO UNIT'S TOP VIEW AND COMPONENT'S INSTALL SHEET FOR LOCATION AND FOOTING DETAILS REQUIRED AND ADJUST THE CRUSHED STONE MIXTURE TO ALLOW FOR OPTIONAL COMPONENT INTEGRATION. **REFER TO PAGE 7 ELEVATION VIEW.**

SPECIFICATIONS

HDPE PANELS: Shall be fabricated from 1/2" thick (solid) high density, UV-stabilized and color impregnated polyethylene.

CRUSHED STONE MIXTURE (AGGREGATE BASE COURSE): Shall consist of hard durable particles of crushed stone or crushed gravel and filler of natural stone or other finely divided materials ranging in sizes from dust to 1-1/2".

CONCRETE CAP: 3,000 psi, batched for 2" slump concrete with reinforced fiber.

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

Parts List		
DESCRIPTION	QTY	PART NUMBER
HDPE MESA 16 AA	1	221660
HDPE MESA 16 AB	1	221661
HDPE MESA 16 AB2	1	221662
HDPE MESA 16 AC	1	221663
HDPE MESA 16 AC2	1	221664
HDPE MESA 16 AD	1	221665
HDPE MESA 16 AD2	1	221666
HDPE MESA 16 AE	1	221667
HDPE MESA 16 BA	1	221668
HDPE MESA 16 BB	1	221669
HDPE MESA 16 BB2	1	221670
HDPE MESA 16 BC	1	221671
HDPE MESA 16 BC2	1	221672
HDPE MESA 16 BD	1	221673
HDPE MESA 16 BD2	1	221674
HDPE MESA 16 BE	1	221675
HDPE MESA 16 BF	1	221676

MAINTENANCE PROCEDURE:

- Check Mound for settling that may occur from improper fill materials and installation technique.
- Check surfacing for cracking or delamination.



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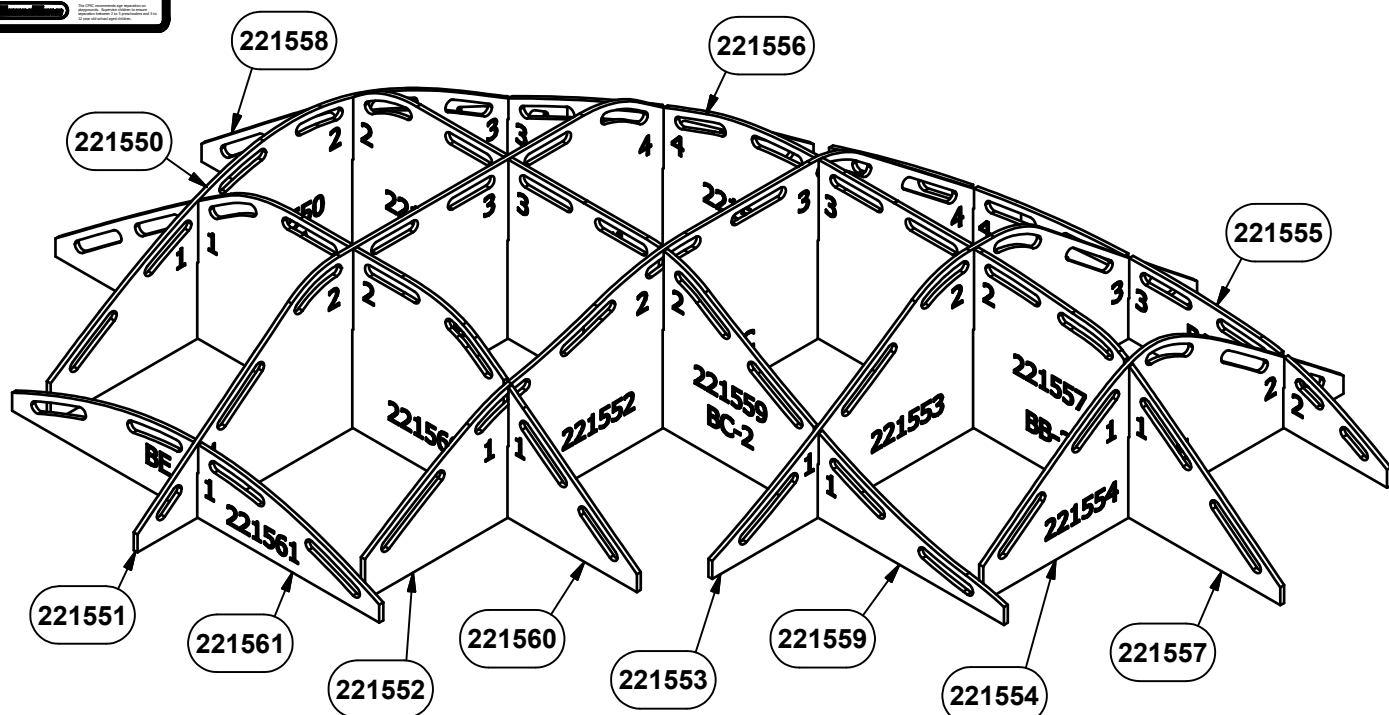
DUNE 11

ISSUED/REVISED: 8/5/2022

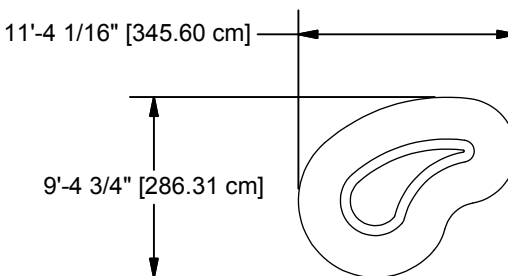
This play equipment is designed for children age

2 TO 5
OR
5 TO 12

Adult supervision is recommended



ASSEMBLY VIEW



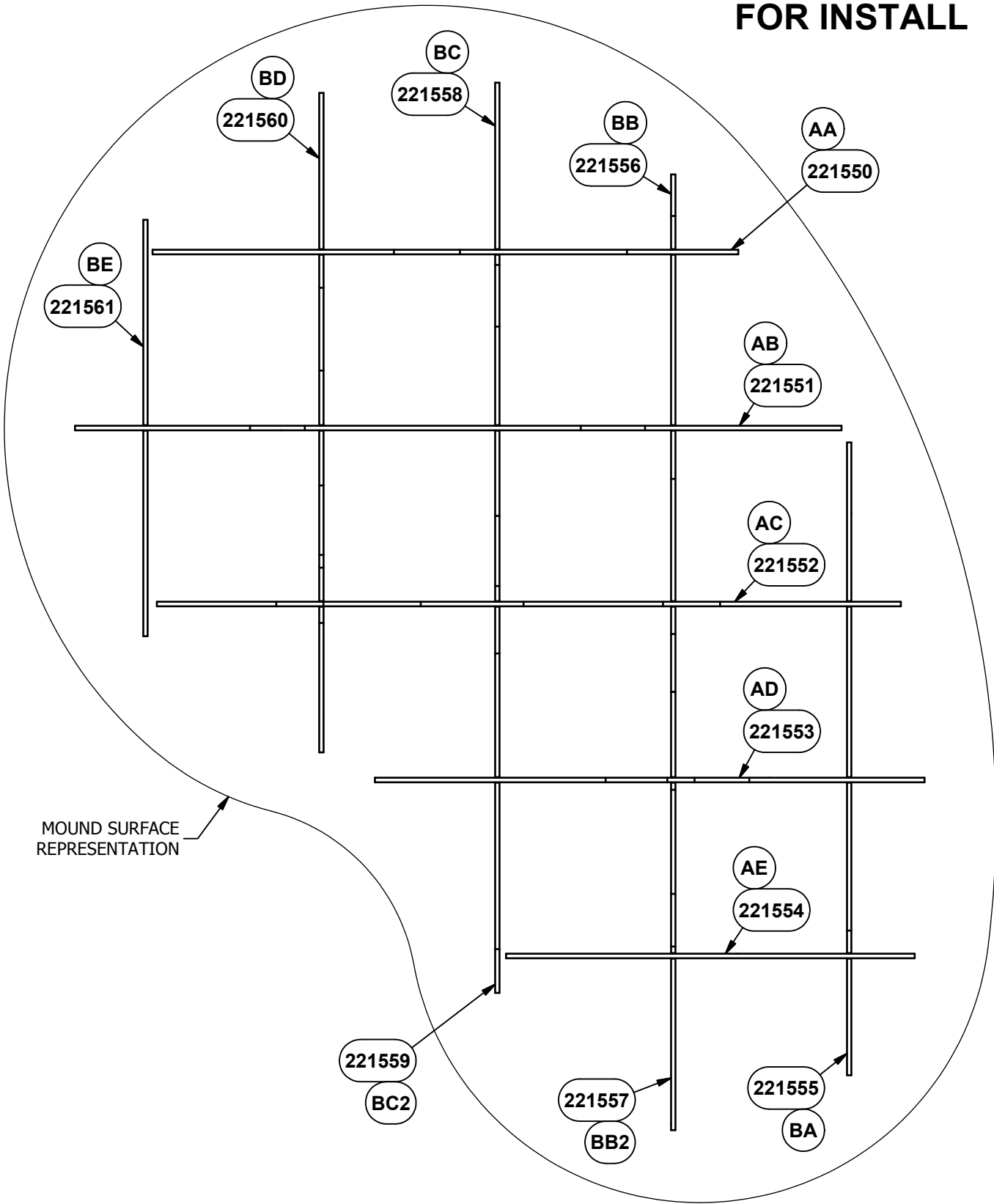
TOP VIEW

INSTALLATION INSTRUCTIONS

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

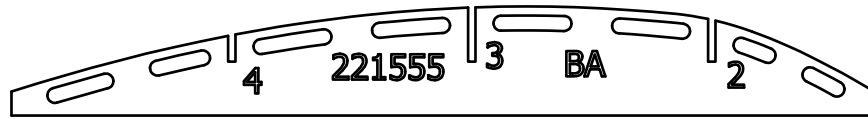
REFER TO PAGES 2 AND 6 FOR HDPE PLACEMENT

**START
WITH "B" PARTS
WHEN LAYING OUT
FOR INSTALL**

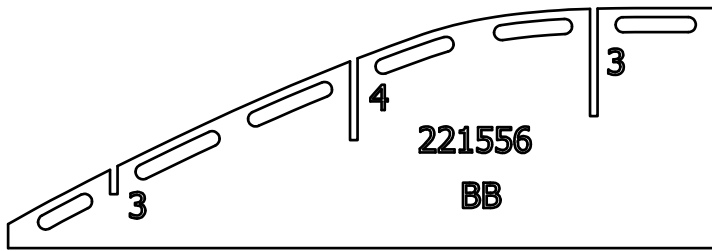


SQUARE FOOTAGE:
74.31 ft [10700.60 in]
6.90 m [69035.99 cm]

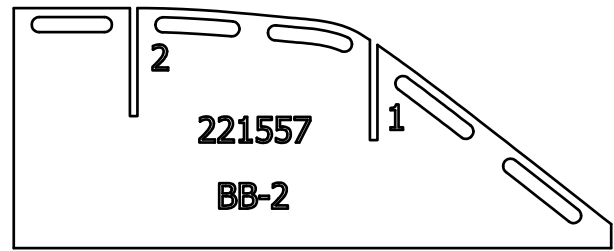
ASSEMBLY TOP VIEW
HDPE PLACEMENT



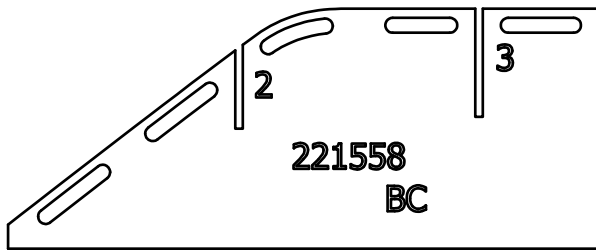
221555 - BA



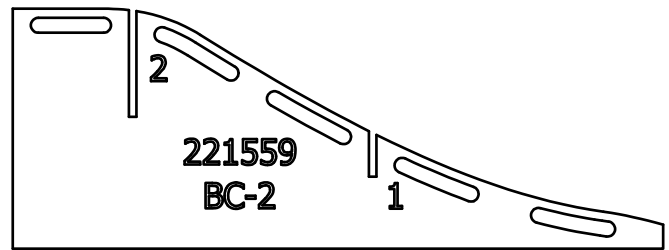
221556 - BB



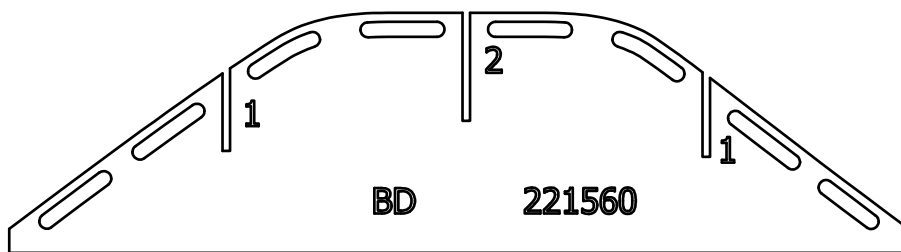
221557 - BB2



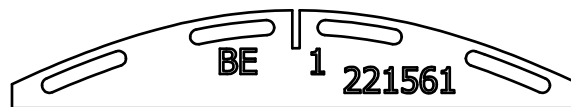
221558 - BC



221559 - BC2

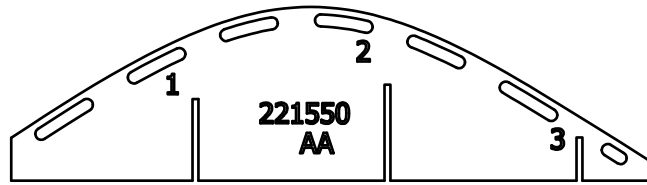


221560 - BD

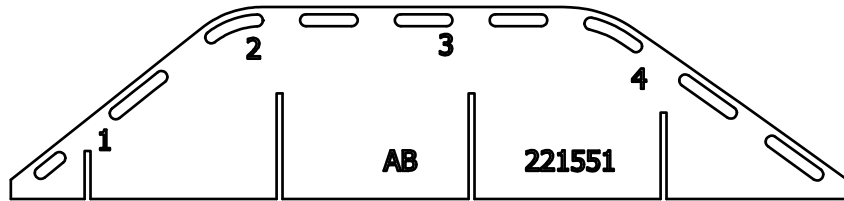


221561 - BE

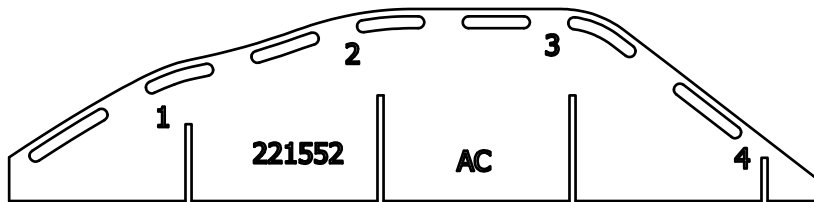
KIT COMPONENT VIEW
"B" PANELS



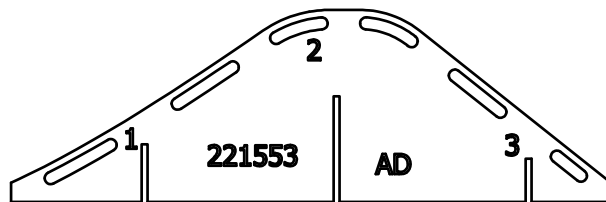
221550 - AA



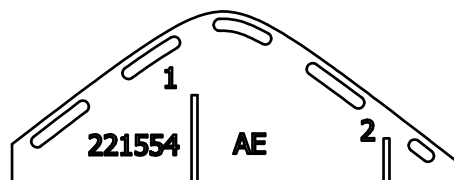
221551 - AB



221552 - AC

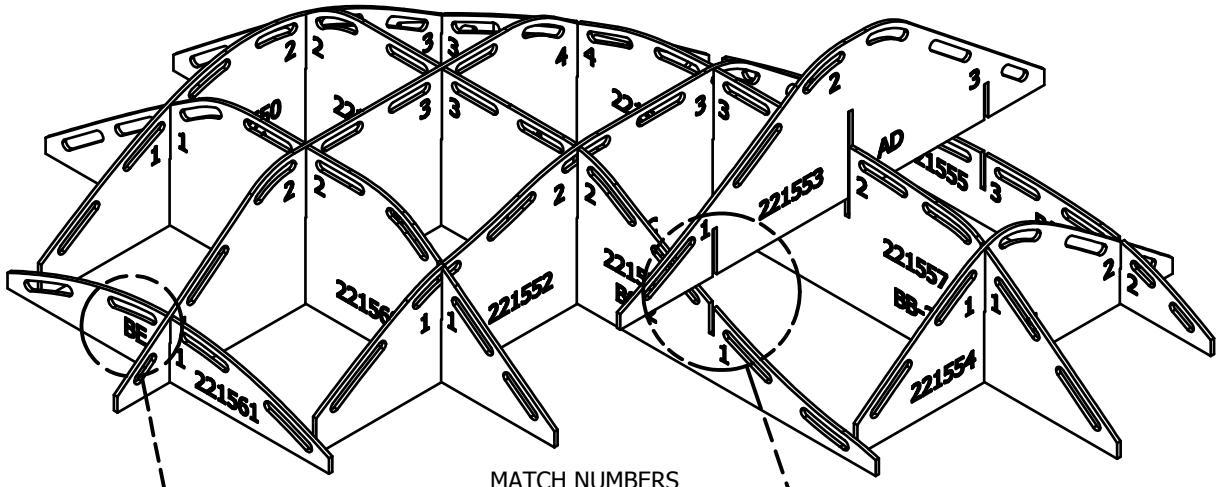


221553 - AD

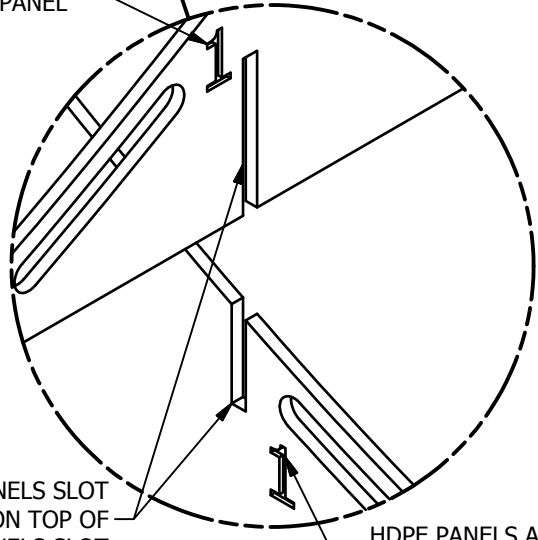


221554 - AE

KIT COMPONENT VIEW
"A" PANELS

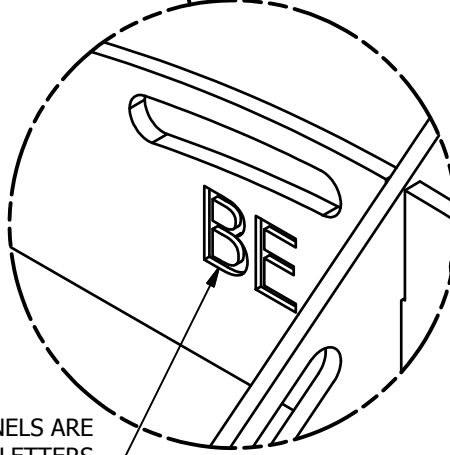


MATCH NUMBERS ON EACH HDPE PANEL

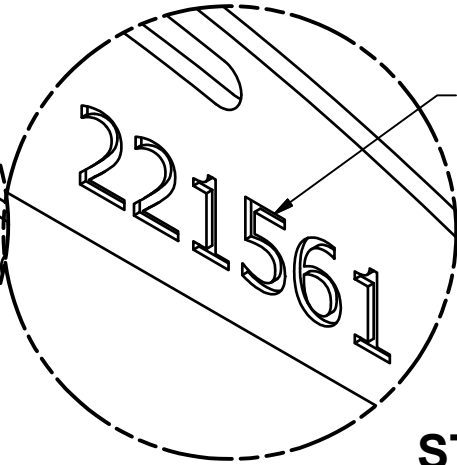


HDPE "A" PANELS SLOT WILL ALIGN ON TOP OF HDPE "B" PANELS SLOT

HDPE PANELS ARE ETCHED WITH NUMBERS TO HELP WITH ALIGNMENT



HDPE PANELS ARE ETCHED WITH LETTERS TO HELP WITH IDENTIFICATION



HDPE PANELS ARE ETCHED WITH THE PART NUMBERS TO HELP WITH IDENTIFICATION

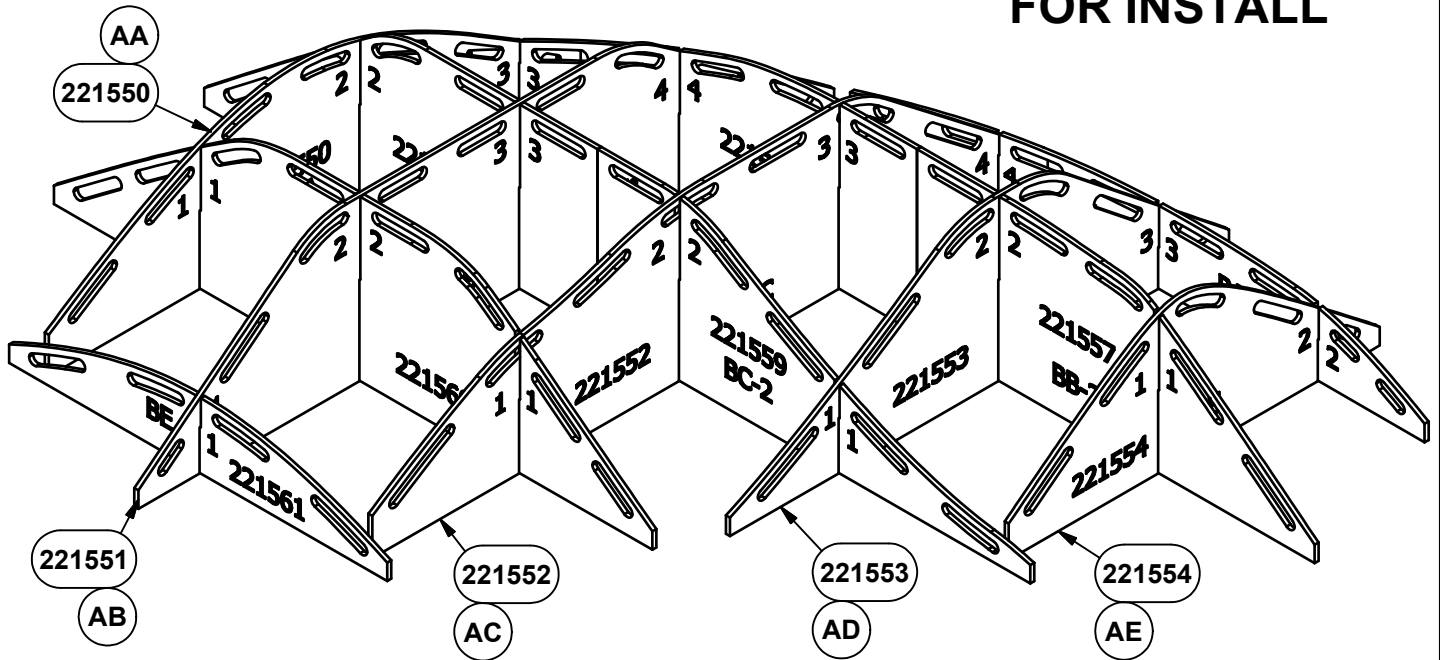
START WITH "B" PARTS WHEN LAYING OUT FOR INSTALL

REFER TO PAGES 2 AND 6 FOR HDPE PLACEMENT

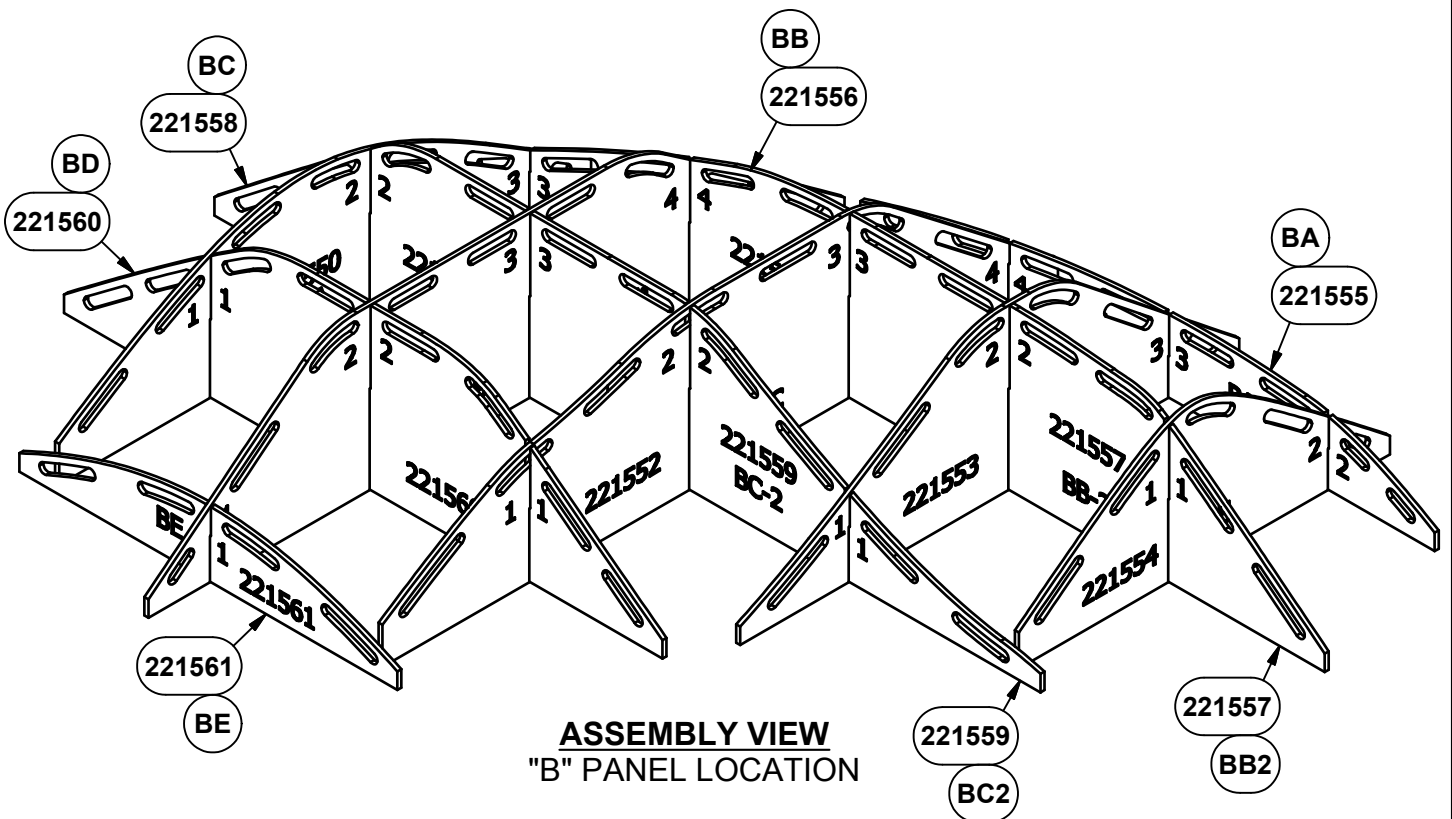
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DETAIL VIEW

**START
WITH "B" PARTS
WHEN LAYING OUT
FOR INSTALL**



ASSEMBLY VIEW
"A" PANEL LOCATION



ASSEMBLY VIEW
"B" PANEL LOCATION

* RUBBER SURFACING THICKNESS
MAY VARY DEPENDING ON
FALL HEIGHT REQUIREMENTS.

* POURED IN PLACE RUBBER
SURFACING SYSTEM
MINIMUM 0'-3" [7.62 cm]

USE TOP OF HDPE TO HELP
DETERMINE HEIGHT OF
CONCRETE CAP
MINIMUM 0'-2" [5.08 cm]

USE BOTTOM OF SLOT IN
HDPE TO HELP DETERMINE
HEIGHT OF CRUSHED
STONE MIXTURE

FINISHED GRADE

HORIZONTAL
CONTACT
POINT
TO BE
CONTINUOUS

SUB GRADE (EARTH)

MINIMUM 0'-3" [7.62 cm]
OF COMPACTED
CRUSHED STONE MIXTURE

ELEVATION VIEW

NOTES:

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- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.

**CAP CONCRETE
REQUIRED:**

0.43 CUBIC YARDS
[0.33 CUBIC METERS]

**CRUSHED STONE MIXTURE
REQUIRED:**

2.71 CUBIC YARDS
[2.07 CUBIC METERS]



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HDPE DUNE 11 AB	1	221551
HDPE DUNE 11 AC	1	221552
HDPE DUNE 11 AD	1	221553
HDPE DUNE 11 AE	1	221554
HDPE DUNE 11 BA	1	221555
HDPE DUNE 11 BB	1	221556
HDPE DUNE 11 BB2	1	221557
HDPE DUNE 11 BC	1	221558
HDPE DUNE 11 BC2	1	221559
HDPE DUNE 11 BD	1	221560
HDPE DUNE 11 BE	1	221561

MAINTENANCE PROCEDURE:

- Check Mound for settling that may occur from improper fill materials and installation technique.
- Check surfacing for cracking or delamination.



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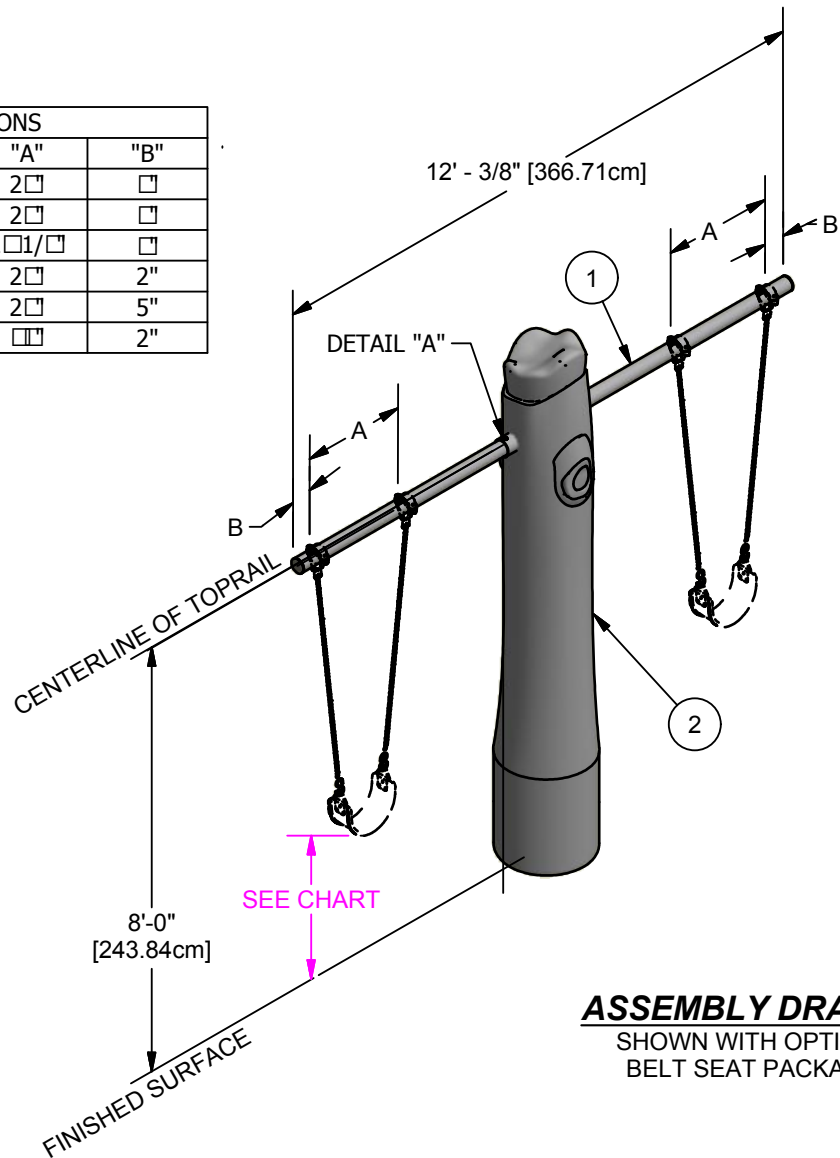
ISSUED/REVISED: 4/23/15

38115 TREE SWING

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
= REFERENCE

TOPRAIL DIMENSIONS		
SEAT PACKAGE	"A"	"B"
SUPER SEAT <input type="checkbox"/>	2 <input type="checkbox"/>	<input type="checkbox"/>
BELT SEAT	2 <input type="checkbox"/>	<input type="checkbox"/>
ADAPTIVE SEAT w/RUNGS	2 <input type="checkbox"/> 1/ <input type="checkbox"/>	<input type="checkbox"/>
PERO <input type="checkbox"/> G <input type="checkbox"/> 12 <input type="checkbox"/>	2 <input type="checkbox"/>	2"
ENCLOSED TOT SEAT	2 <input type="checkbox"/>	5"
PERO <input type="checkbox"/> G <input type="checkbox"/> 12 <input type="checkbox"/>	<input type="checkbox"/>	2"

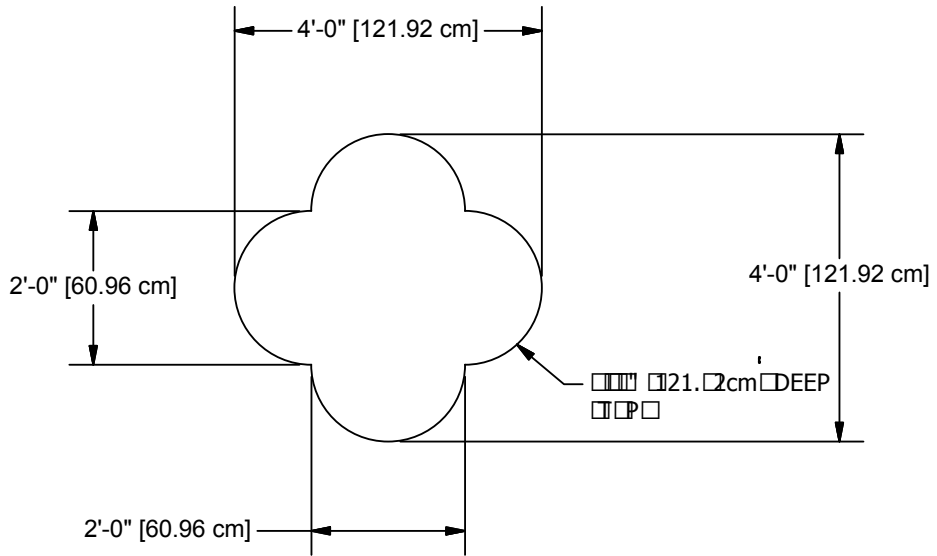


ASSEMBLY DRAWING
SHOWN WITH OPTIONAL
BELT SEAT PACKAGES

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWING LISTED IN CHART NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY.

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	300mm [11.81"]	N/A
ASTM	12" [305mm]	N/A
BS EN	350mm [13.77"]	N/A
CPSC	12" [305mm]	N/A

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



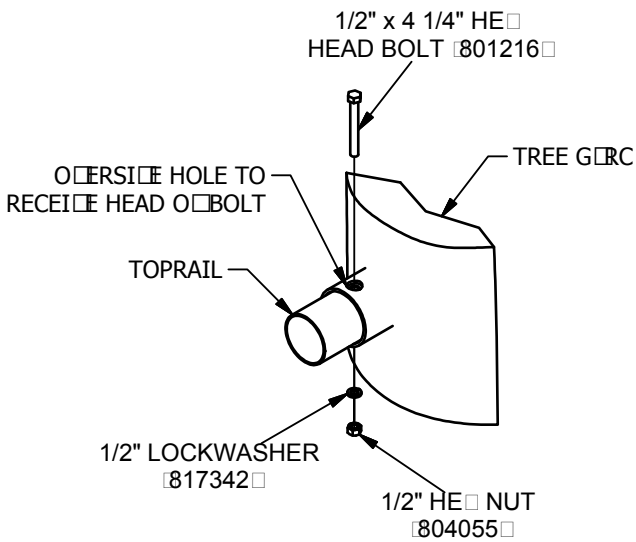
CONCRETE REQUIRED:
 1.03 CUBIC YARDS
 [.78 CUBIC METERS]

GROUND PLAN

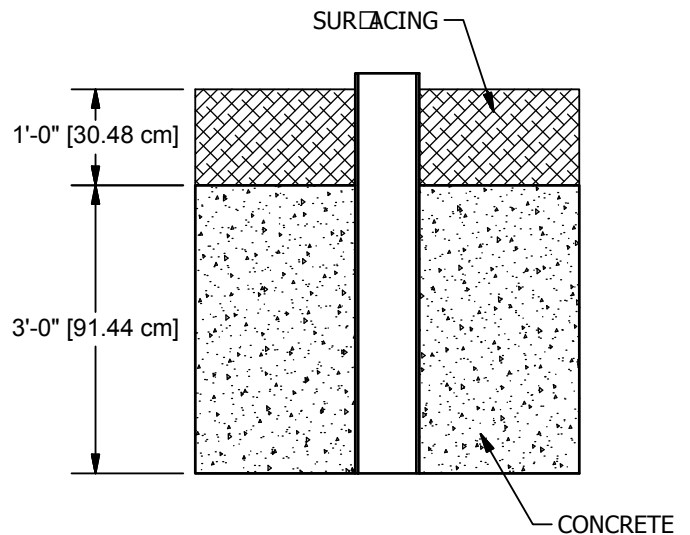
NOTE:

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

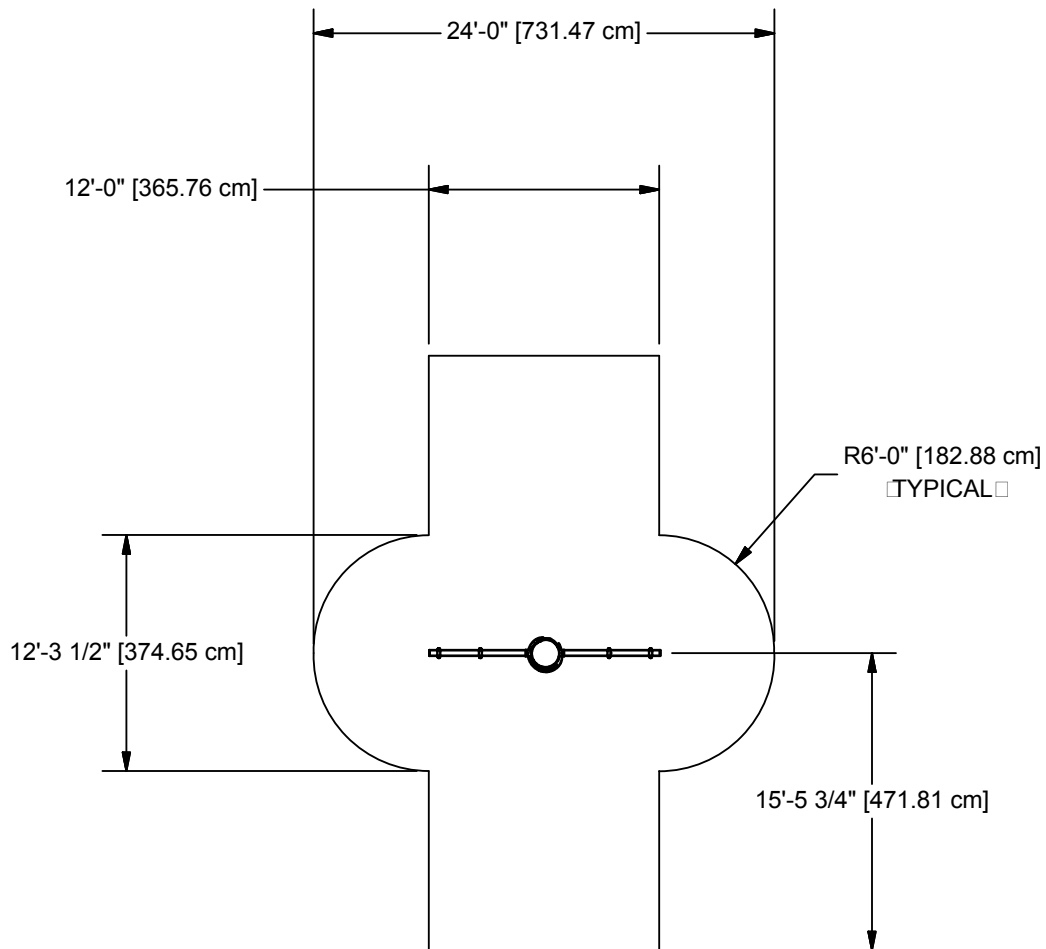
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VERY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



DETAIL 'A'



IN-GROUND DETAIL



TOP VIEW

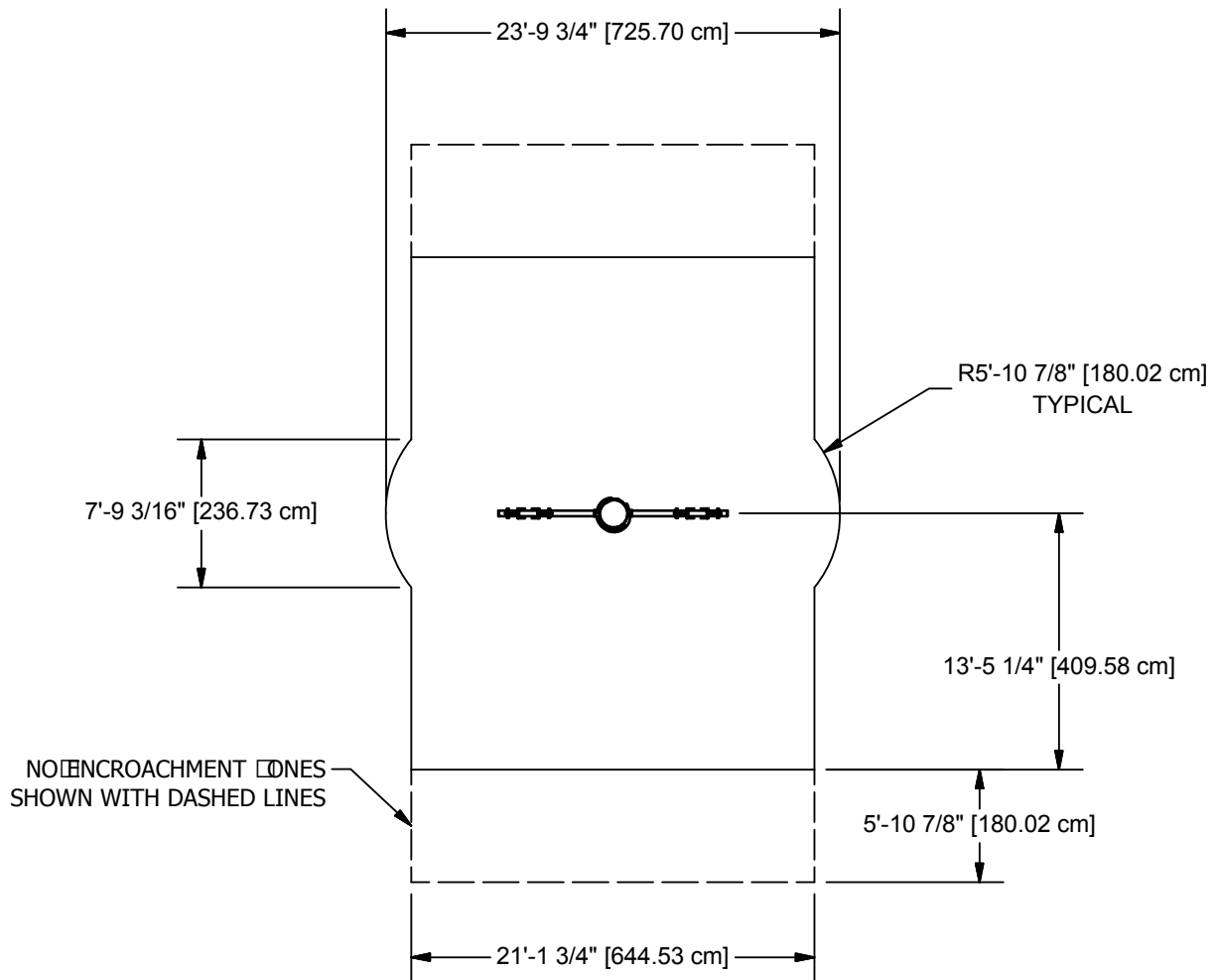
NOTES:

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

2 SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ONE AND CSA PROTECTIVE SURFACING ONE FOR SWING FRAME SHOWN.

3 DASHED LINES REPRESENT CSA O E O A H M E ONE CANADA ONLY

4 *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ONE SURFACING, AND O E O A H M E ONE DIMENSIONS BY 11'-0" [3.35M].



TOP VIEW
CSA ONLY

NOTES:

- 1 OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-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 (O.E./O.A./HME) ZONE (CANADA ONLY)
- 4 *EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND (O.E./O.A./HME) ZONE DIMENSIONS BY 11'-0" [3.35M].



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- o 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.
- o ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- o Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- o Equipment should be placed to eliminate conflicting traffic patterns.
- o 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.
- o Test overall stability and rigidity of all play equipment. Check for proper assembly, installation and ground anchoring.
- o Check for and repair damage caused by wear or vandalism, a major factor in injury-causing situations.
- o GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE INSTALLATION SHEETS AND INSTALLATION INSTRUCTIONS. THE INSTALLATION 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.
- o Never add components not intended for use with this product.
- o Regular maintenance is necessary on this and all park and recreational equipment to ensure the safety of the user.
- o Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.
- o Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.
- o 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.
- o Test for free movement of swing hanger and other moving attached parts.
- o Check for worn chains and replace them.
- o Replace worn or damaged seats.
- o A soft, resilient surface should be placed under all swings, extending at least six feet beyond the farthest arc of the swing seat, both front and back. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.

INSTALLATION INSTRUCTIONS

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

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

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

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

NOTE: It is important to check the hole location in the upright and on the drawings while assembling this unit.

NOTE: Loctite [supplied by others] should be used on all threaded hardware.

STEP 1: Dig Ground Footing per Ground Plan. Place a brick or equivalent at the bottom of the hole to provide a solid foundation. Allow for this in hole depth.

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

STEP 2: Insert top rail through socket on Tree Swing Assembly and secure with 2 1/2" x 4-1/4" hex bolts, 2 1/2" hex nuts and 2 1/2" lockwashers.

STEP 3: Set Tree Swing Assembly in hole making sure it rests on the foundation brick. Check to ensure swing is level.

STEP 4: Fill hole with concrete per Ground Plan. Plumb and sway brace assembly. Allow a minimum of 48 hours for concrete to harden before continuing.

STEP 5: Place swing hangers on top rail using assembly drawing for spacing. Then hang seats on swing [see Seat Installation Sheet]

STEP : After assembly is complete, place the manufacturer's I.D. label in a visible location on the Frame Assembly.

SPECIFICATIONS

TREE SWING ASSEMBLY: Shall be an all metal structure coated with a GFRC coating to resemble a tree

TOPRAIL: 3-1/2" O.D. 3" SCH 40 galvanized pipe with 3/16" thick hot rolled steel caps welded at each end.

FINISH: Toprail shall be coated with a custom formula TGIC Polyester powder coating in conformance with the powder coat finish outlined herein.

POWDER COAT FINISH: Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H [ASTM D-3363] Impact [ASTM D-2794-69] Wedge Bend [ASTM D-522-68]

HARDWARE: All nuts, bolts, screws, inserts, and 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.

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TOPRAIL	1	202323
2	TREE SWING	1	201754
	HARDWARE COMPLETE	1	124167
	1/2" x 4 1/4" HE HEAD BOLT	2	801216*
	1/2" LOCKWASHER	2	817342*
	1/2" HE NUT	2	804055*

*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 all threaded hardware.

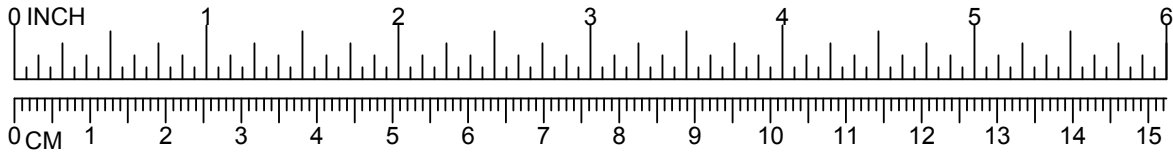
DETAILS -for- 38115

IMPORTANT

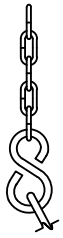
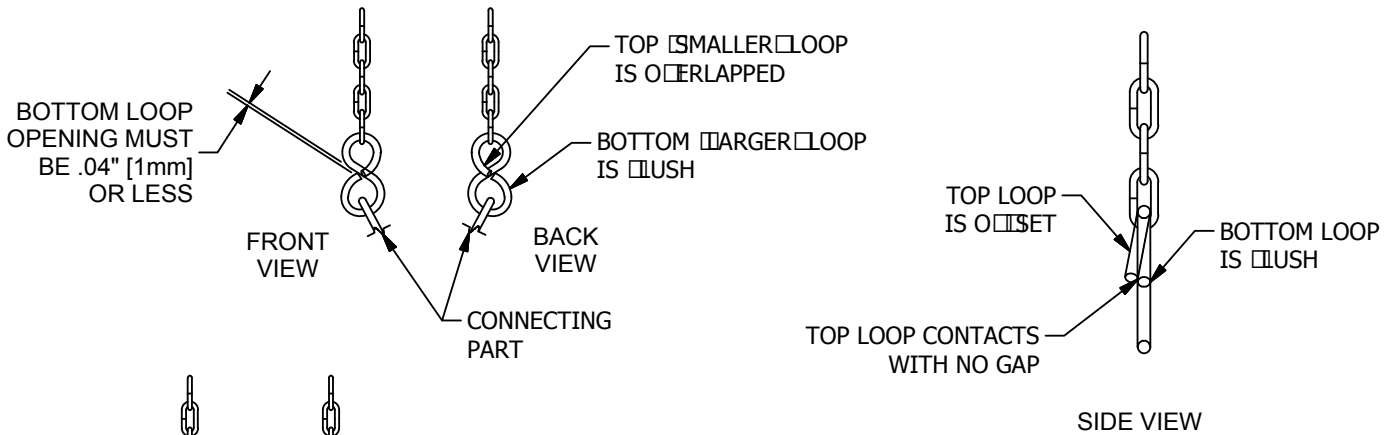
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

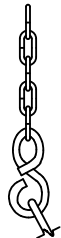
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



PROPERLY CLOSED "S" HOOK



WRONG



WRONG

059

NOTE: REPLACE ALL WORN "S" HOOKS. "S" HOOKS MUST BE COMPLETELY CLOSED. FAILURE TO CLOSE "S" HOOKS PROPERLY CAN RESULT IN SERIOUS INJURY TO THE USER.



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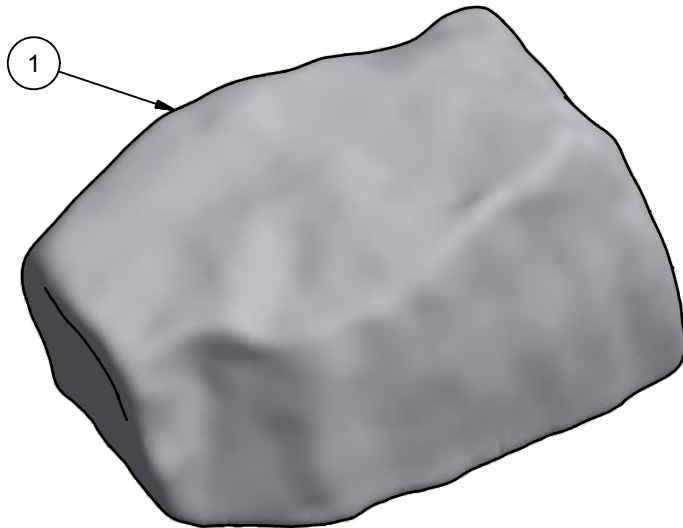
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ISSUED/REVISED: 11/20/15

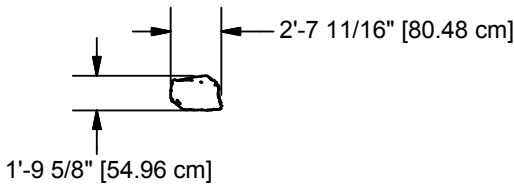
38225 HOPPER ROCK

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. Backup Material: Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing hole. 32" x 40" x 8" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Allow 48 hours minimum for concrete to cure before installing play feature.

STEP 3: Carefully lift Hopper Rock.

NOTE: If lifting straps are used, they should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 4: Carefully place and center Hopper Rock onto fully cured concrete footing. Secure with wedge anchors.

STEP 5: After Hopper Rock is in place and secured, remove all remaining packaging material. Inspect for blemishes.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	HOPPER ROCK	1	206952
	HARDWARE COMPLETE	1	206037
	1/2" x 4 1/4" WEDGE ANCHOR	4	800082*

*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.



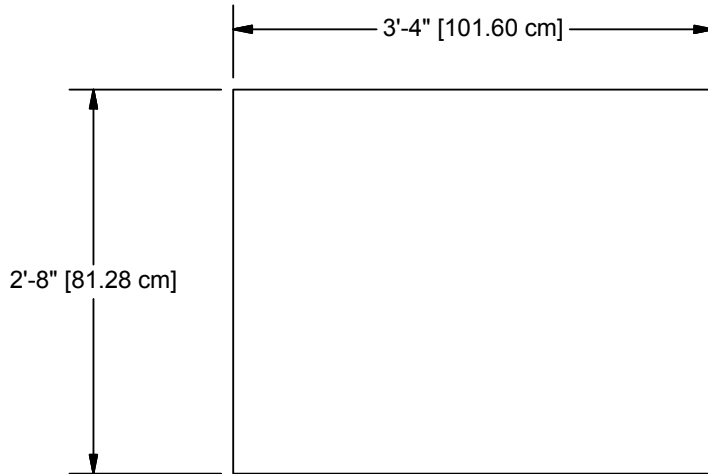
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



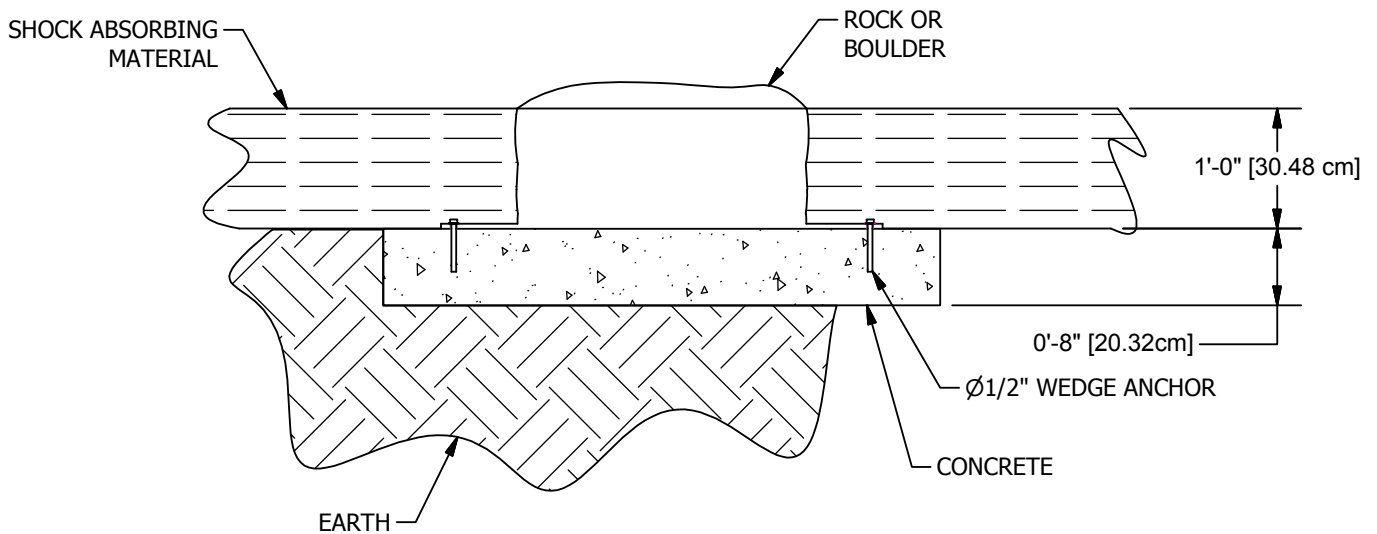
- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces 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.
- 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.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.



GROUND PLAN

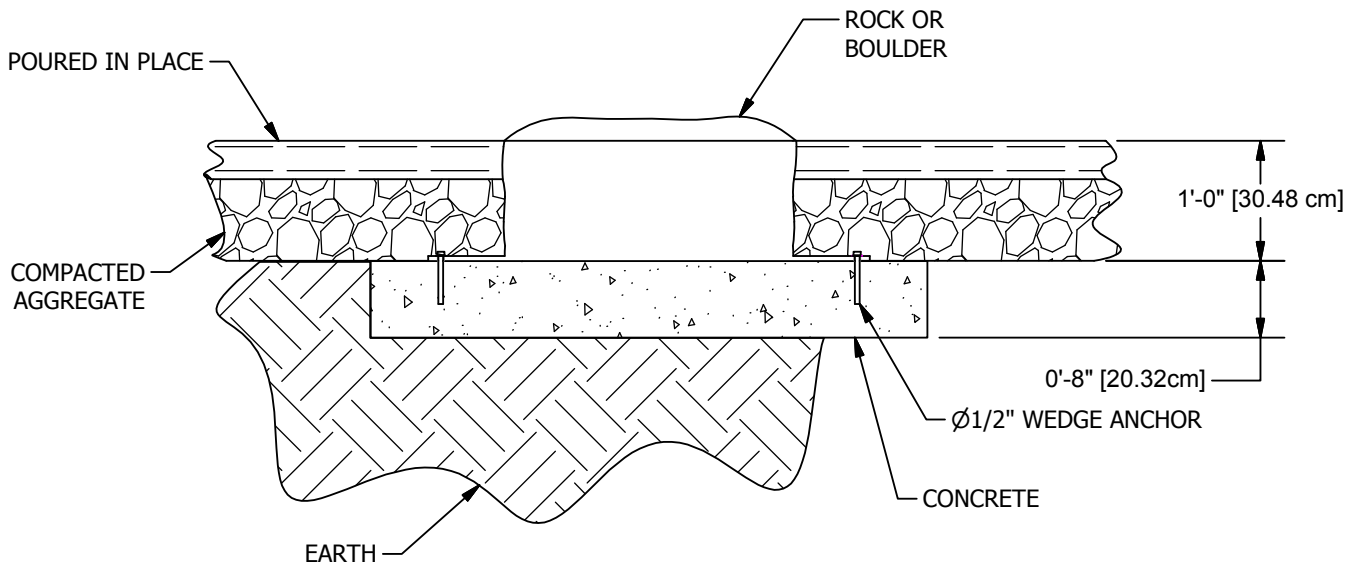


FOOTING DETAIL

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED:
.22 CUBIC YARDS
.17 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.



FOOTING DETAIL

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

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

CONCRETE REQUIRED:
.22 CUBIC YARDS
.17 CUBIC METERS

38227

SQUARE BOULDER



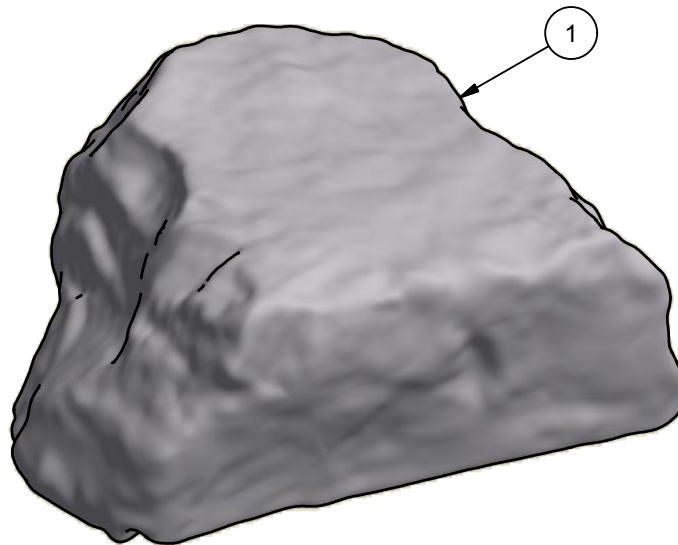
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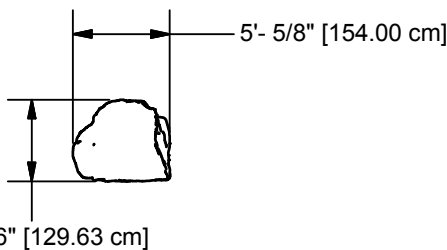
ISSUED/REVISED: 11/20/15

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. Backup Material: Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing hole. 54" x 72" x 8" depth min.

STEP 2: Fill footing hole with concrete.

NOTE: Allow 48 hours minimum for concrete to cure before installing play feature.

STEP 3: Carefully lift Square Boulder.

NOTE: If lifting straps are used, they should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 4: Carefully place and center Square Boulder onto fully cured concrete footing. Secure with wedge anchors.

STEP 5: After Square Boulder is in place and secured, remove all remaining packaging material. Inspect for blemishes.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SQUARE BOULDER	1	206953
	HARDWARE COMPLETE	1	206037
	1/2" x 4 1/4" WEDGE ANCHOR	4	800082*

*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.



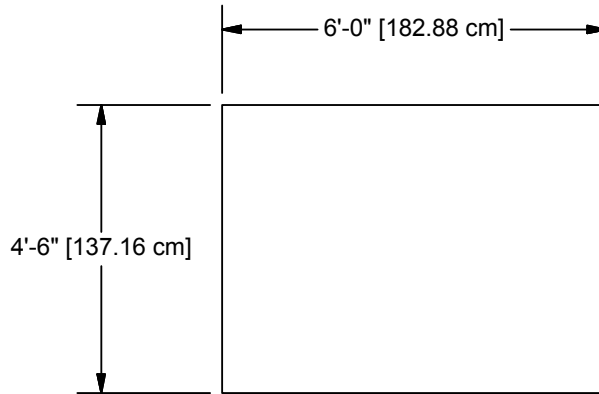
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



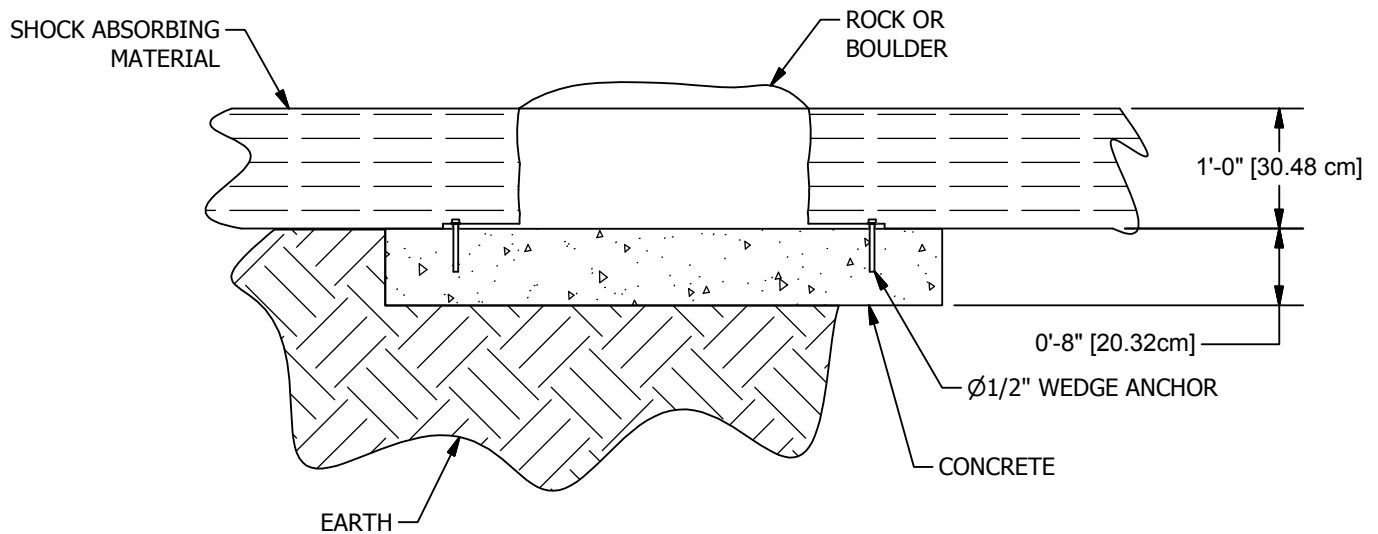
- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces 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.
- 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.
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- Proper maintenance of GAMETIME® equipment requires regular tightening of all bolts, nuts, and set screws.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.



GROUND PLAN

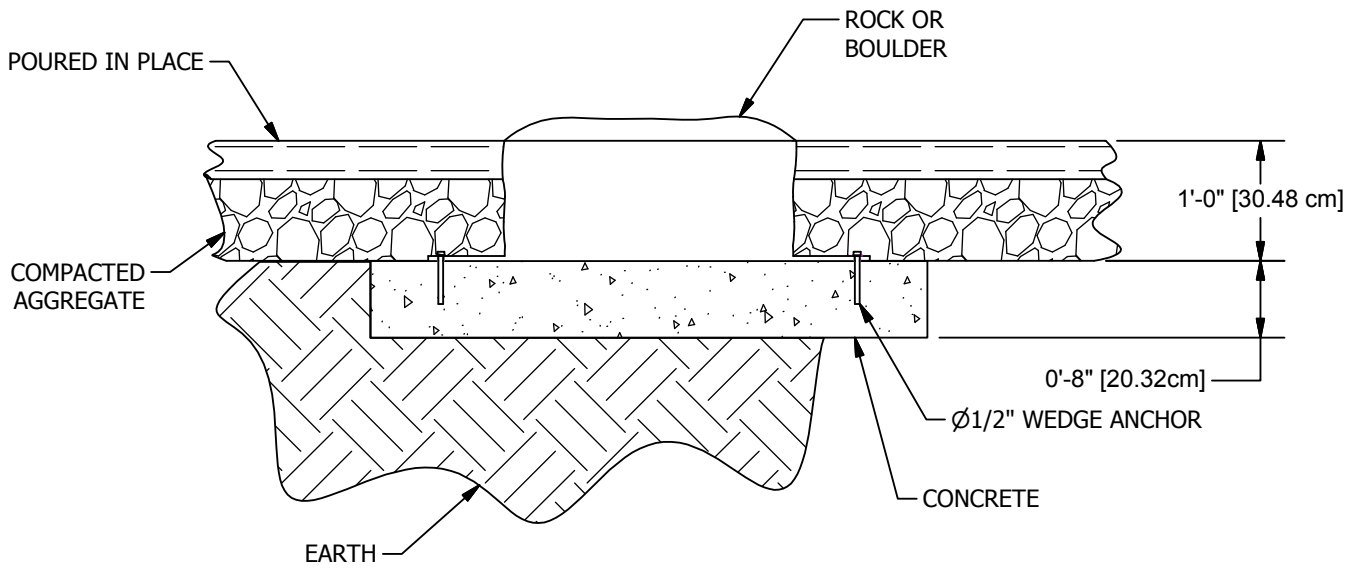


FOOTING DETAIL

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED:
.67 CUBIC YARDS
.51 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.



FOOTING DETAIL

NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

SHOCK ABSORBING PROPERTIES OF SURFACING
MATERIALS VARY. IF YOU DETERMINE THAT LESS
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MAKE UP THE DIFFERENCE IN ELEVATION WITH
EARTH, BEFORE APPLYING SURFACING.

CONCRETE REQUIRED:
.67 CUBIC YARDS
.51 CUBIC METERS





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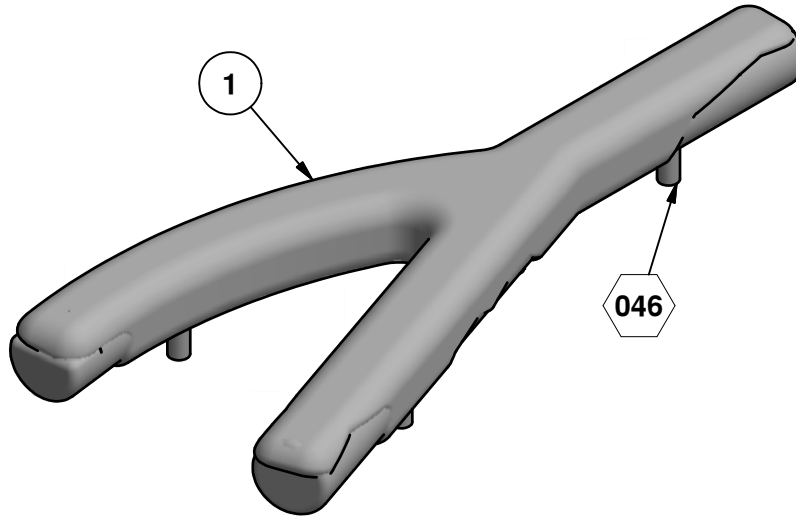
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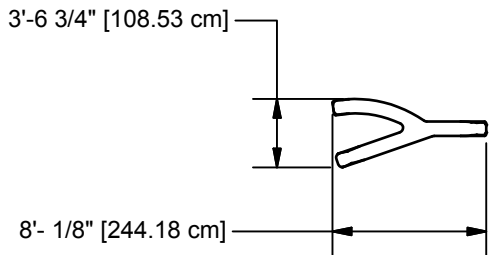
38233

FORKED LOG BALANCE BEAM

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

Fiberglass Reinforced Cement (GFRC): A cement/aggregate slurry reinforced throughout with chopped glass fibers. Cement used shall be Type 1 Portland cement meeting the requirement of the ASTM C 150. Sand shall be washed silica sand passing a U.S. No. 20 sieve, and conforming to ASTM C 144. Glass Fibers shall be alkali-resistant (AR) fiber specifically designed for use in concrete and chopped to 1" - 2" lengths. Thickness of the cast panels shall be a minimum of 5/8" ranging to 1 1/2" depending on the face configuration. Embossing Mortar and

Cement Plaster: Site mixed cement/aggregate meeting the same criteria as 2.01 A, but omitting the glass fibers; for filling the irregular voids between mold-cast panels and/or special themed features. Backup Material: Shall be galvanized steel "diamond lath", tied in place with annealed steel wire and reinforced with #3 or #4 steel reinforcing rods. Minimum physical properties shall be: 1500 pounds per square inch in tension and 5000 pounds per square inch in compression.

INSTALLATION INSTRUCTIONS

NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMER'S 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.

STEP 1: Dig required footing holes.

STEP 2: Attach Footbucks to Log using Detail 046 and place Log in ground holes. Bracing material may be required.

NOTE: If lifting straps are used, they should be nylon to prevent damage to GFRC finish. If any other type of strap is used, use foam padding under the strap to prevent damage to GFRC finish.

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

STEP 3: After Log is in place and secured, remove all remaining packaging material. Inspect for blemishes.

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	FORKED LOG BALANCE BEAM	1	210011
2	FOOTBUCK	4	207124
	HARDWARE COMPLETE	1	210012
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	8	812056*
	3/8" LOCKWASHER	8	817334*
	3/8" T-NUT	8	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.



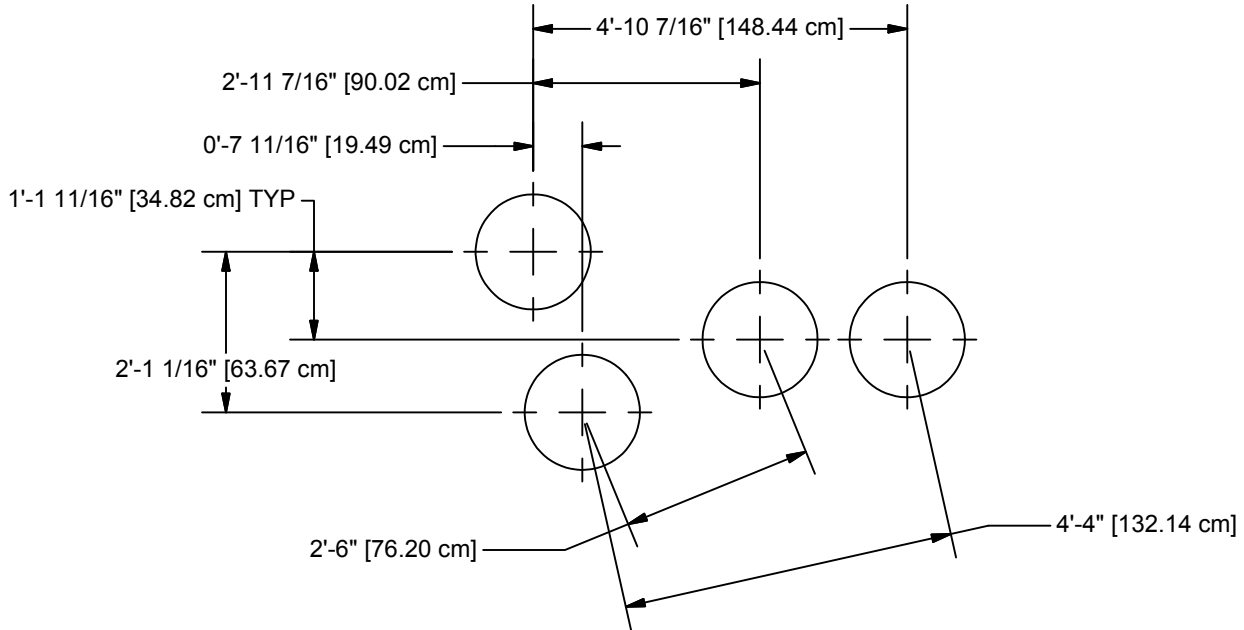
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



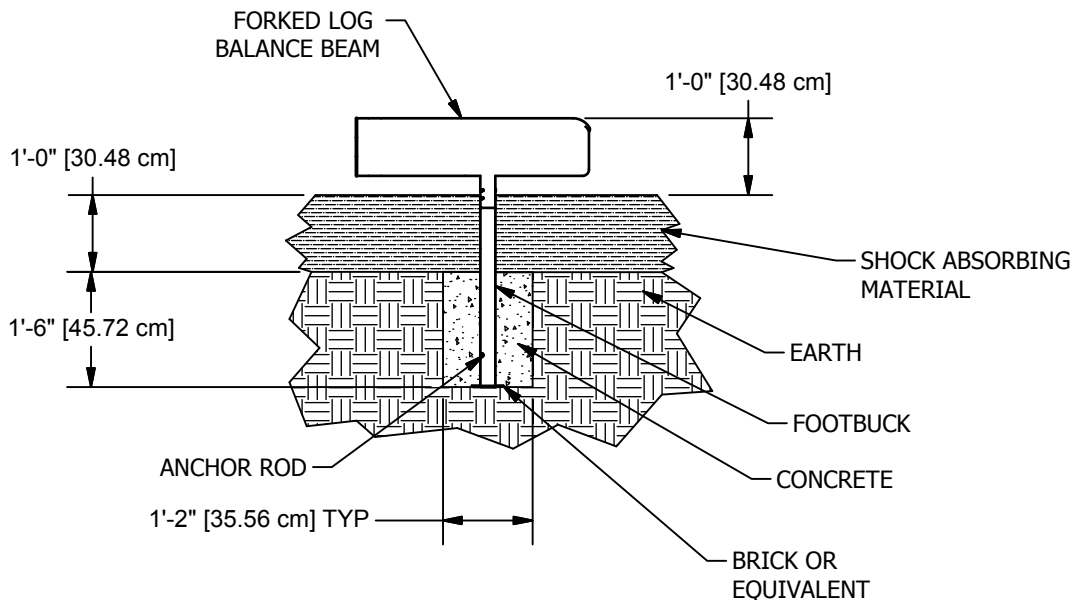
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- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- All protruding nuts and bolts should be covered.
- 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.

GENERAL NOTES:

- Inspect all pieces before unloading from truck for damages incurred during shipping
- Leave as much packaging in place on play features as possible, without interfering with handling, to help protect the finish from damage during placement.
- Due to variables in local soil conditions, footing sizes may vary to meet local codes.
- Actual on-site conditions may vary and may require modifications to installation method.
- Use care and caution while handling play pieces. Make sure all points of contact are protected from lifting straps or other machinery that may damage the piece.
- Bracing materials may be required during installation.



GROUND PLAN

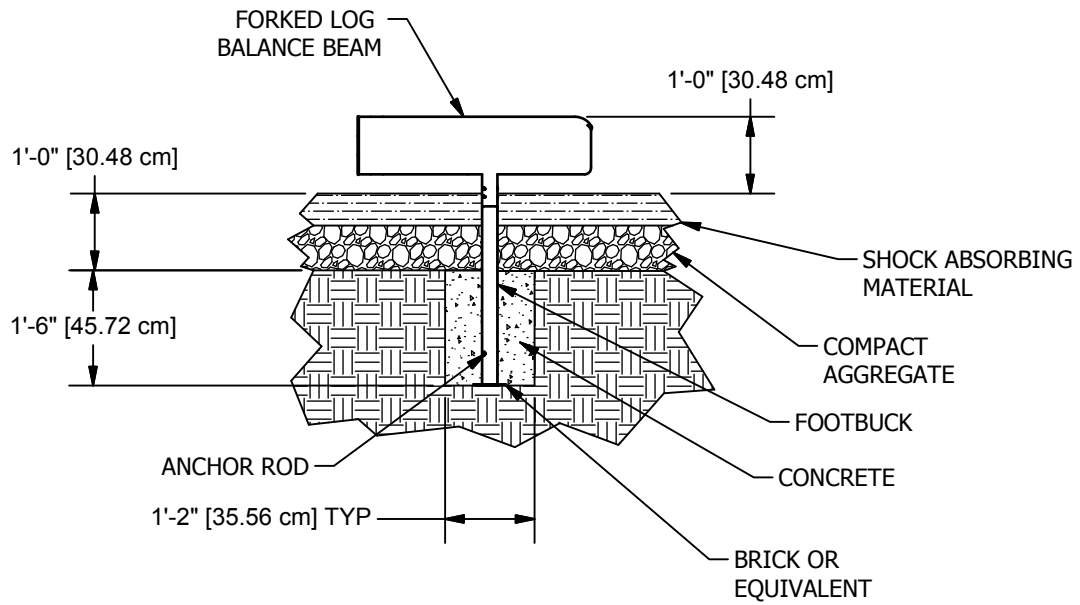


NOTE:
SUGGESTED MINIMUM CONCRETE
RATING 3000 PSI.

CONCRETE REQUIRED:
.39 CUBIC YARDS
.30 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.

FOOTING DETAIL



NOTE:
SUGGESTED MINIMUM CONCRETE
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FOOTING DETAIL

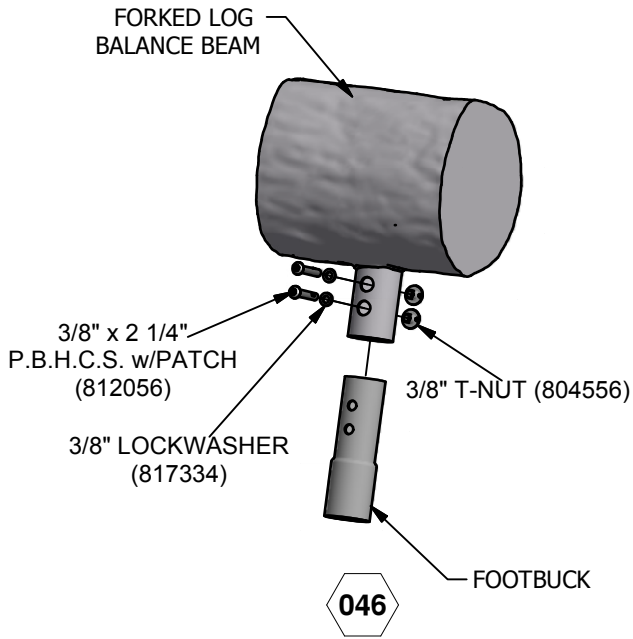
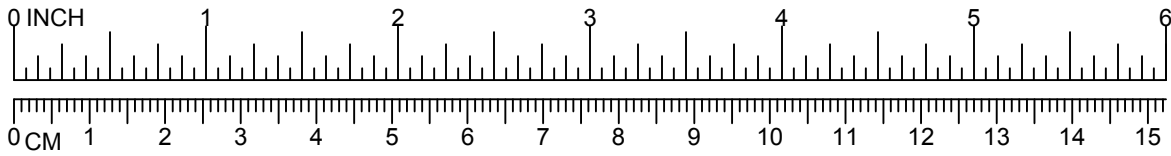
DETAILS -for- 38233

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.



SECTION 321816.13 - PLAYGROUND PROTECTIVE SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Unitary synthetic poured dual density rubber seamless surface

1.3 DEFINITIONS

- A. Critical Height: Standard measure of shock attenuation. According to CPSC No. 325, this means "the fall height below which a life-threatening head injury would not be expected to occur."
- B. TPV: Thermoplastic Vulcanizate.

1.4 PERFORMANCE REQUIREMENTS

- A. Impact Attenuation: According to ASTM F 1292 or latest version.
- B. Accessibility of Surface Systems: According to ASTM F 1951 or latest version.
- C. IPEMA certified: Product and crew chiefs must be IPEMA certified

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For each type of protective surfacing.
 - 1. Include plans, sections, placement and penetration details, and attachment to substrates.
 - 2. Include accessories and edge terminations.
 - 3. Include patterns made by varying colors of surfacing and details of graphics.
 - 4. Include fall heights and use zones for equipment and structures specified in Section 116800 "Play Field Equipment and Structures," coordinated with the critical heights for protective surfacing.
- C. Samples for Initial Selection: For each type of exposed finish.

1. Include Samples of accessories involving color selection.
- D. Samples for Verification: For each type of playground surface system.
1. Include Samples of accessories to verify color and finish selection.
 2. Minimum 6-inch disc Sample of synthetic rubber for each seamless surface condition and color.
 3. Edging: 6 inches long by full width and cross section.
- E. Product Schedule: For protective surfacing coordinated with the Contract Documents.

1.6 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from Installers of the items involved:
1. Extent of surface systems and use zones for equipment.
 2. Critical heights for playground surfaces and fall heights for equipment.
- B. Qualification Data: For Installer and testing agency.
- C. Product Certificates: For each type of unitary surfacing product.
- D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each unitary synthetic playground surface system. Product must be IPEMA certified.
- E. Field quality-control reports.
- F. Sample Warranty: Minimum of 5 years not pro-rated. A 10 year non prorated warranty must also be available to include yearly maintenance.

1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For playground protective surfacing to include in maintenance manuals.
- B. Material Certificates: Material certificates will be filled out and signed by specified manufacturer/supplier that specified materials were shipped and in proper amounts for square footage/thickness/color.

1.8 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish 5 percent extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1.9 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer Crew Chief must be IPEMA Certified.
- B. Mockups: Build mockups to verify selections made under Sample submittals and to set quality standards for materials and execution.
 - 1. Build mockups for protective surfacing including accessories inclusive of all color, texture, edge terminations, and all various conditions.
 - a. Minimum Size: 48 inches by 48 inches.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
- C. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Source Limitations: Obtain playground surface system materials, including primers and binders, from manufacturer specified
 - 1. Provide secondary materials including adhesives, primers, and repair materials of type and from source recommended by manufacturer of playground surface system materials.
- E. Standards and Guidelines: Comply with CPSC No. 325, "Handbook for Public Playground Safety"; ASTM F 1292; and ASTM F 1487.

1.10 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit playground surface system installation to be performed according to manufacturers' written instructions and warranty requirements. Temperature should be 40 degrees and rising during the installation period. The installer shall have sole discretion based off of their judgement to proceed or to halt the installation based on their judgement.

1.11 WARRANTY

- A. Warranty: Manufacturer and Installer agree to repair or replace components of protective surfacing that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Reduction in impact attenuation as measured by reduction of critical fall height per ASTM 1292.
 - b. Deterioration of protective surfacing and other materials beyond normal weathering and wear.

- c. Excessive UV fade/Loss of color
- 2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain protective surfacing materials, from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Impact Attenuation: Critical fall height tested according to ASTM F1292.
- B. Accessibility Standard: Minimum surfacing performance according to ASTM F1951.

2.3 UNITARY, DUAL-DENSITY, SEAMLESS SURFACING

- A. Description: Manufacturer's standard, site-mixed and applied, two-layer material with wearing layer over cushioning layer, with combined, overall thickness as required, tested for impact attenuation according to ASTM F1292 and for accessibility according to ASTM F1951.

1. Basis of Design Products: Subject to compliance with requirements, provide the following: GAMETIME GTIMPAX, PO BOX 680121, FORT PAYNE, AL 35968, 800-235-2440
2. Wearing Course: Minimum ^{1/2}" thick after troweling using TPV granules 1-3.5mm manufactured by Rosehill Polymers as distributed by American Recycling Center in Owosso, Michigan. **A 5/8" rod will be used to level the material so that when troweled it will be 1/2" thick.** Urethane shall be 11.5 lbs per 55 lb bag or 21% of the weight of the rubber used if partial bags are required. All colors must be UV stable for a minimum of 5 years. Polymer content must be 25% minimum. **EPDM is not an equal. Aliphatic grout or .5 to 1.5mm granules will be applied under all high impact areas. Tiles will not be allowed. Wear mats will not be allowed.**
3. Cushion Course: Manufacturer's standard formulation of 5/8" chunk rubber with correct amount of urethane for impact attenuation and longevity. **Chunk rubber may not be recycled SBR rubber from tires.** It must be high quality virgin derived rubber that is pre consumer recycled product.
4. Binder: Weather-resistant, flexible, non-hardening, 100 percent solids polyurethane complying with requirements of authorities having jurisdiction for nontoxic and low VOC content. Binders allowed are Prem Arc urethanes as distributed by American Recycling Center in Owosso, Michigan. No TDI urethanes will be permitted.
5. Critical Height: [4 feet (1.2 m)] [5 feet (1.5 m)] [6 feet (1.8 m)] [7 feet (2.1 m)] [8 feet (2.4 m)] [9 feet (2.7 m)] [10 feet (3 m)] [As indicated] <Insert dimension>.

6. Overall Thickness: Not less than [as required for critical height indicated] [1-1/2 inches (4')] [2 inches (5')] [2-1/2 inches (6')] [3 inches (7')] [3-1/2 inches (8')] [4 inches (9')] [4-1/2 inches (10')]
 - a. Primer/Adhesive: Manufacturer's standard primer and weather-resistant, moisture-cured polyurethane adhesive suitable for unit, substrate, and location.
 - b. Wearing Layer Color(s): As selected by Architect from manufacturer's full range of colors.
 - 1) Design: Where colored pattern and graphic design is indicated and required, provide as indicated on Drawings.
- B. Leveling and Patching Material: Portland cement-based grout or epoxy- or polyurethane-based formulation suitable for exterior use and approved by protective surfacing manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for maximum moisture content, sub grade and substrate conditions, drainage, and other conditions affecting performance of the Work. Drainage at the low end of the site is of the utmost importance. Any brick or concrete walls or curbs at the low end of the area to receive the play surface must have drainage access via weep holes. Weep holes must extend a minimum of 2 inches above the top of the new concrete slab and a minimum of 1/8" below the top of the new concrete slab. The latter is necessary because the rubber surfacing system is porous and water will permeate (drain downward) to the concrete slab.
 1. Verify that substrates are sound and without high spots, ridges, holes, and depressions.
- B. Hard-Surface Substrates: Verify that substrates are satisfactory for unitary, protective surfacing installation and that substrate surfaces are dry, cured, and uniformly level, sloped to drain within recommended tolerances according to protective surfacing manufacturer's written requirements for cross-section profile.
 1. Asphalt Substrates: Verify that substrates are dry, sufficiently cured to bond with adhesive, and free from surface defects, dust, dirt, loose particles, grease, oil, and other contaminants incompatible with protective surfacing or that may interfere with adhesive bond.
 2. Concrete Substrates: Verify that substrates are dry and free from surface defects, laitance, glaze, efflorescence, curing compounds, form-release agents, hardeners, dust, dirt, loose particles, grease, oil, and other contaminants incompatible with protective surfacing or that may interfere with adhesive bond. Determine adhesion, dryness, and acidity characteristics by performing procedures recommended in writing by protective surfacing manufacturer.
 3. Stone Substrates: Verify that substrates are a minimum of 4" thick with proper drainage and compacted to 95%. Stone used shall be 3" #57 stone topped with 1/2" crushed stone or suitable equivalent approved by manufacturer and shall vary no more than 1/8" within a

10' radius. Core drillings for equipment poles shall be filled flush to the top of the stone with concrete to prevent sinkholes after installation of PIP surface.

- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates to receive surfacing products according to playground surface system manufacturer's written instructions. Verify that substrates are sound and without high spots, ridges, holes, and depressions.
- B. Hard-Surface Substrates: Clean surface free of laitance, efflorescence, curing compounds, and other contaminants incompatible with protective surfacing.
 - 1. Repair: Fill holes and depressions in unsatisfactory surfaces with leveling and patching material.
 - 2. Treatment: Mechanically abrade or otherwise prepare concrete substrates according to protective surfacing manufacturer's written instructions to achieve adequate roughness.
 - 3. Terminal Edges: Saw cut [**concrete**] [**asphalt**] for terminal edges of protective surfacing.
 - 4. Treat control joints and other nonmoving substrate cracks to prevent telegraphing through playground surface system.
 - 5. Confirm slope and drainage are correct and in place.

3.3 INSTALLATION, GENERAL

- A. General: Comply with playground surface system manufacturer's written installation instructions. Install playground surface system over area and in thickness indicated.

3.4 INSTALLATION OF SEAMLESS PLAYGROUND SURFACE SYSTEM

- A. Mix and apply components of seamless surfacing according to manufacturer's written instructions to produce uniform, monolithic, and impact-attenuating protective surfacing of required overall thickness.
 - 1. Substrate Primer: Apply over prepared substrate at manufacturer's standard spreading rate for type of substrate.
 - 2. Poured Cushion Course: Spread evenly over primed substrate to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation, with a minimum of cold joints. Thickness of cushion course should meet ASTM 1292-04 guidelines and shall be a minimum of 1" thick. Varying thickness [is] [is not] allowed to match fall height. If varying thickness not allowed then the specified thickness is [enter here].
 - 3. Intercoat Primer: Over cured cushion course, apply primer at manufacturer's standard spreading rate.
 - 4. Wearing Course: Spread over primed base course to form a uniform layer applied at manufacturer's standard spreading rate in one continuous operation and, except where color changes, with [**no**] [**a minimum of**] cold joints. Finish surface to produce manufacturer's standard wearing-surface texture. Minimum thickness of wear course shall be " after being trowled. A minimum of 5/8 screed rod shall be used when leveling wear course.

- a. Design: Where **colored pattern** and **graphic design** is required, place colored, design material as soon as previously placed material is sufficiently cured, using primer or adhesive if required by manufacturer's written instructions.
5. Edge Treatment: Provide edge treatment as coordinated with Architect to include Flush, Extended surface course, Saw-cut base, or vertical pour to provide a coordinated edge treatment for best termination approach. Fully adhere edges to substrate with full coverage of substrate. Maintain fully cushioned thickness required to comply with performance requirements.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: Contractor to engage a third-party qualified testing agency with Owner concurrence to perform tests.
- B. Perform the following tests with the assistance of a factory-authorized service representative:
 1. Perform "Installed Surface Performance Test" according to ASTM F1292 for each protective surfacing type and thickness in each playground area.
 2. Perform installed-surface-performance tests at each playground and at no less than one series of tests for each **800 sq. ft.** of each type and thickness of in-place protective surfacing or part thereof.
- C. Playground protective surfacing will be considered defective if it does not pass tests.
- D. Remove and replace applications of playground surface system where test results indicate that it does not comply with requirements.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with requirements.
- F. Prepare and submitted to Owner test reports.

3.6 PROTECTION

- A. Provide protection of surface during curing process.
- B. Prevent traffic over playground surfacing for not less than 48 hours after installation and through duration of construction.

END OF SECTION

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