

**APPENDIX A:**

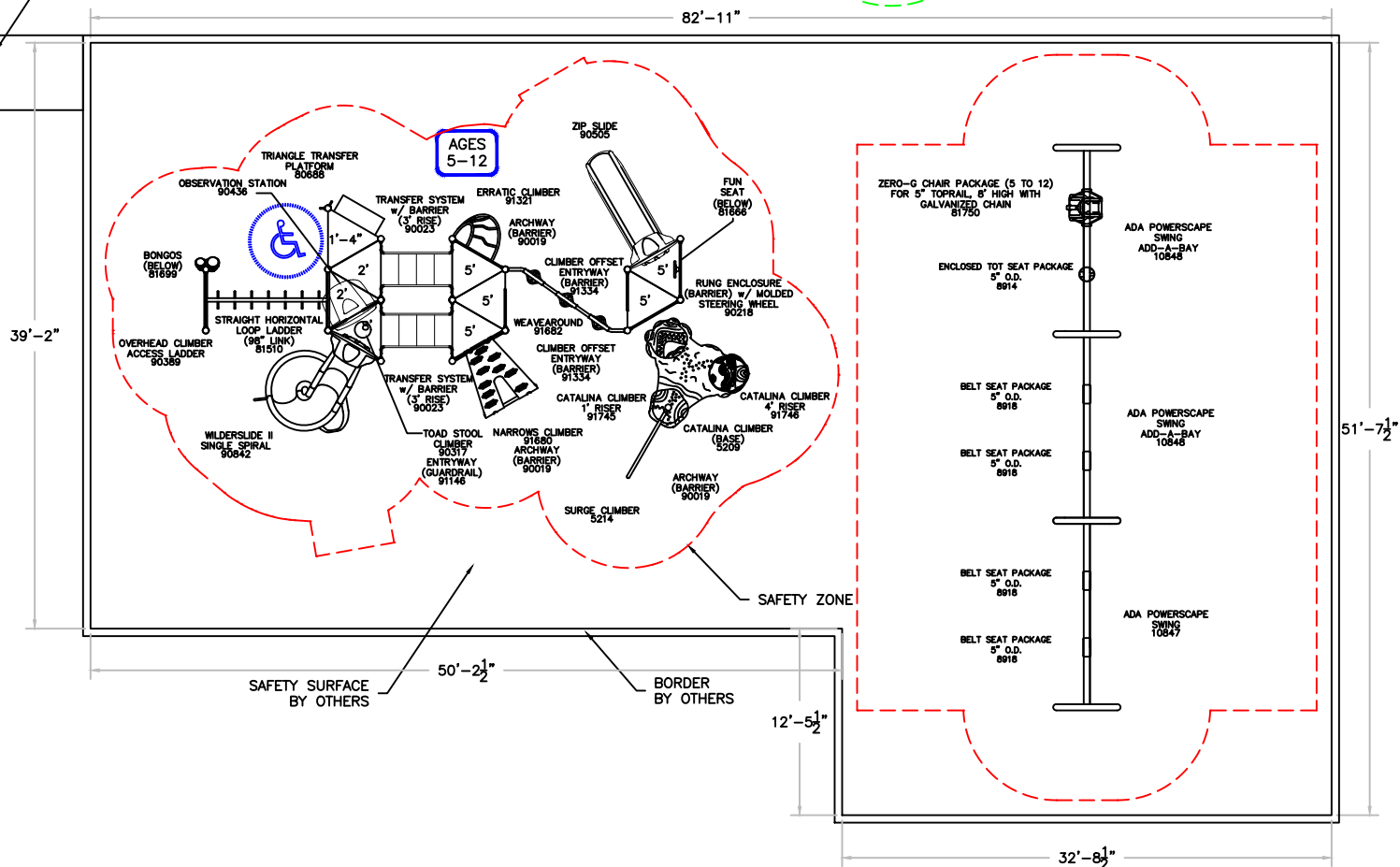
**PLAYGROUND EQUIPMENT MANUFACTURER'S  
INSTALLATION INSTRUCTIONS**



VERIFY  
LOCATION  
AND  
ORIENTATION

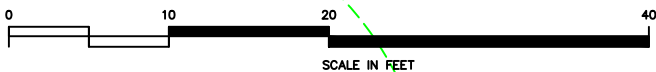
ACCESS  
BY OTHERS

Please Initial & Sign the Final Top View:



While it is our intention to install your playground in a safe and timely manner, our success relies on your preparedness. Site preparation and grading to be performed by others and prior to installation. Slope within the play area(s) shall not exceed 1% to ensure a successful installation and a compliant playground. Drain tile systems other than within 4' of the perimeter along drain aggregate base material may require installing after the installation of the play equipment and must be coordinated with installation of safety surface materials. Failure to prepare site(s) to these expectations may result in additional charges if installer is required to re-mobilize. Please contact MN WI Playground if you have any questions.

Maximum depth of safety surface and drain aggregate base should not exceed an 18" depth and shall not be installed until play equipment has been installed.



SCALE IN FEET

#### ADA REQUIREMENTS FOR STRUCTURE AGES 5-12 YEARS OLD

TOTAL NUMBER OF ELEVATED PLAY COMPONENTS	IN PLAN	10	REQ'D.	5
TOTAL EVENTS ACCESSIBLE VIA TRANSFER	IN PLAN	7	REQ'D.	0
TOTAL ACCESSIBLE EVENTS VIA RAMP	IN PLAN	0	REQ'D.	3
TOTAL ACCESSIBLE GROUND LEVEL EVENTS	IN PLAN	6	REQ'D.	3
DIFFERENT TYPES OF GROUND LEVEL EVENTS	IN PLAN	3	REQ'D.	3

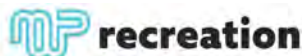
THIS PLAYGROUND MEETS ALL CURRENT ADA REQUIREMENTS & THE FINAL RULE ABOVE CHART/INFO IS APPLICABLE WHEN USING AN ACCESSIBLE SAFETY SURFACE

SCALE: 1" = 12'-0"

Mfg. By:



Sold &  
Distributed  
By:



P.O. Box 27328, Golden Valley, MN 55427  
763-546-7787 1-800-622-5425  
Fax 763-546-5050  
E-Mail info@mwprecreation.com

THIS PLAN REQUIRES A FINISHED GRADE RESOLUTION

Garner Park - Option 1

Madison, WI

4-12-24

DWG. D12085H1





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

5214

## SURGE CLIMBER

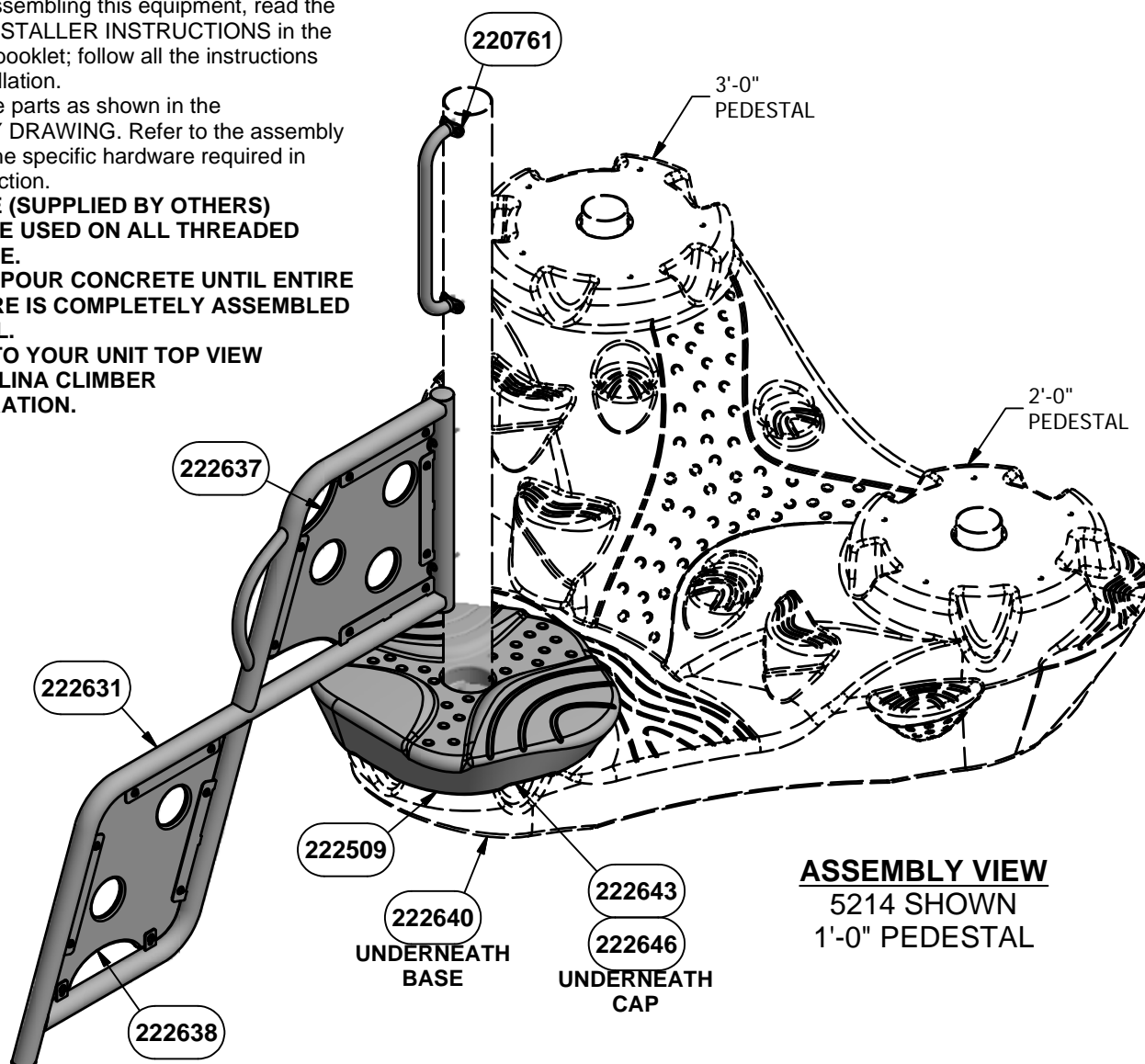
ISSUED/REVISED: 12/11/2023



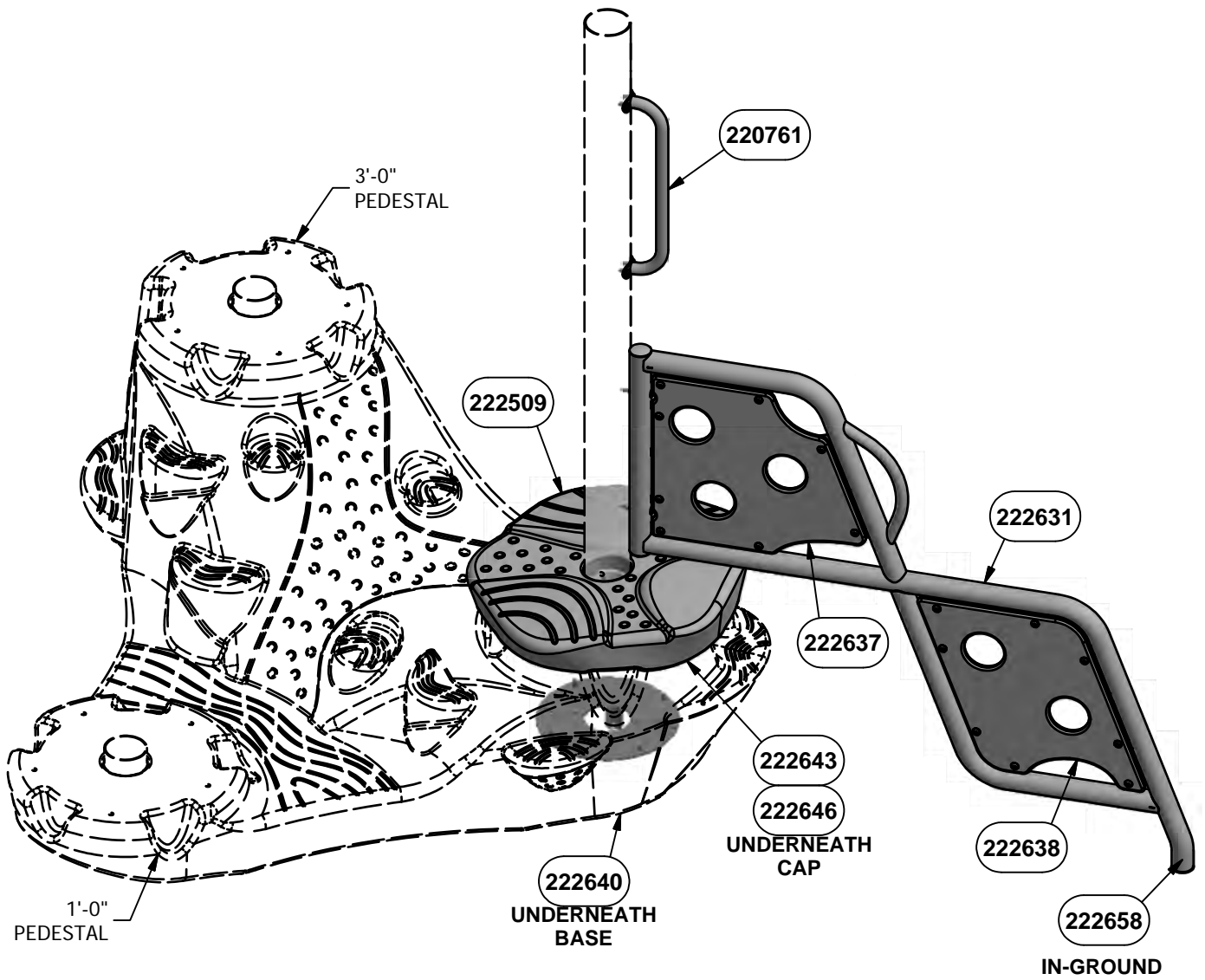
1'-0" PEDESTAL	5214
2'-0" PEDESTAL	5215
3'-0" PEDESTAL	5216

### INSTALLATION INSTRUCTIONS

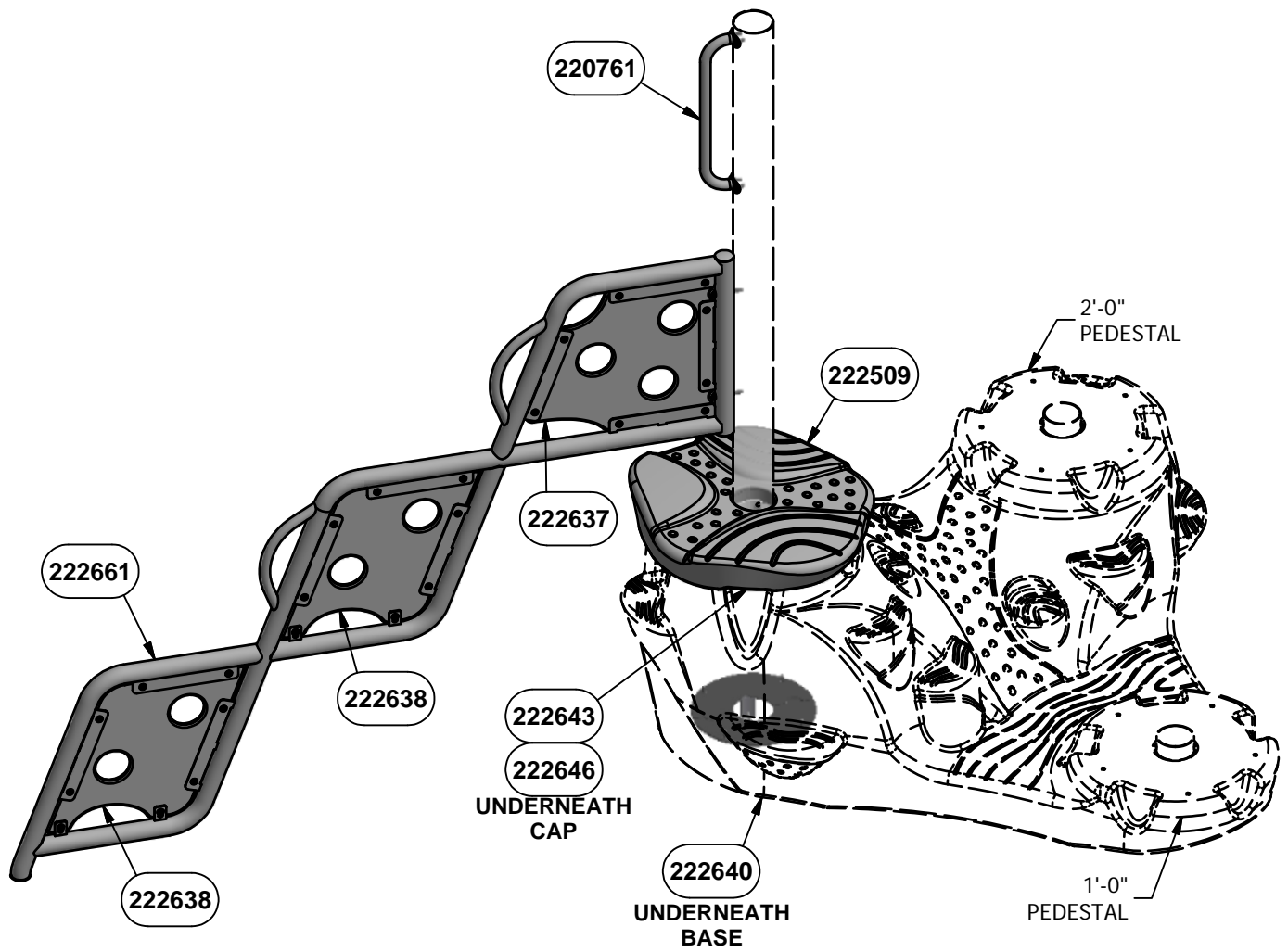
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



**ASSEMBLY VIEW**  
5214 SHOWN  
1'-0" PEDESTAL

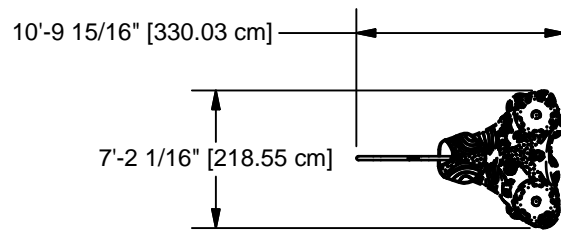


**ASSEMBLY VIEW**  
5215 SHOWN  
2'-0" PEDESTAL

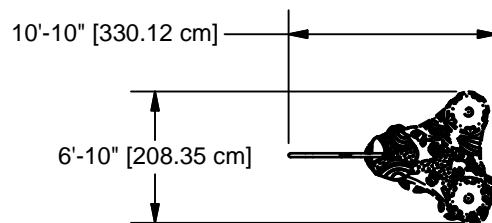


**ASSEMBLY VIEW**

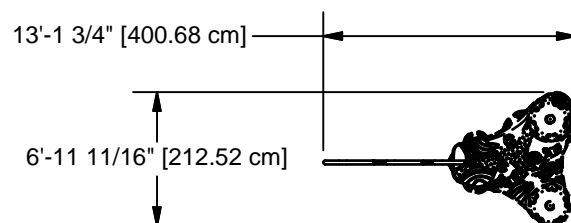
5216 SHOWN  
3'-0" PEDESTAL



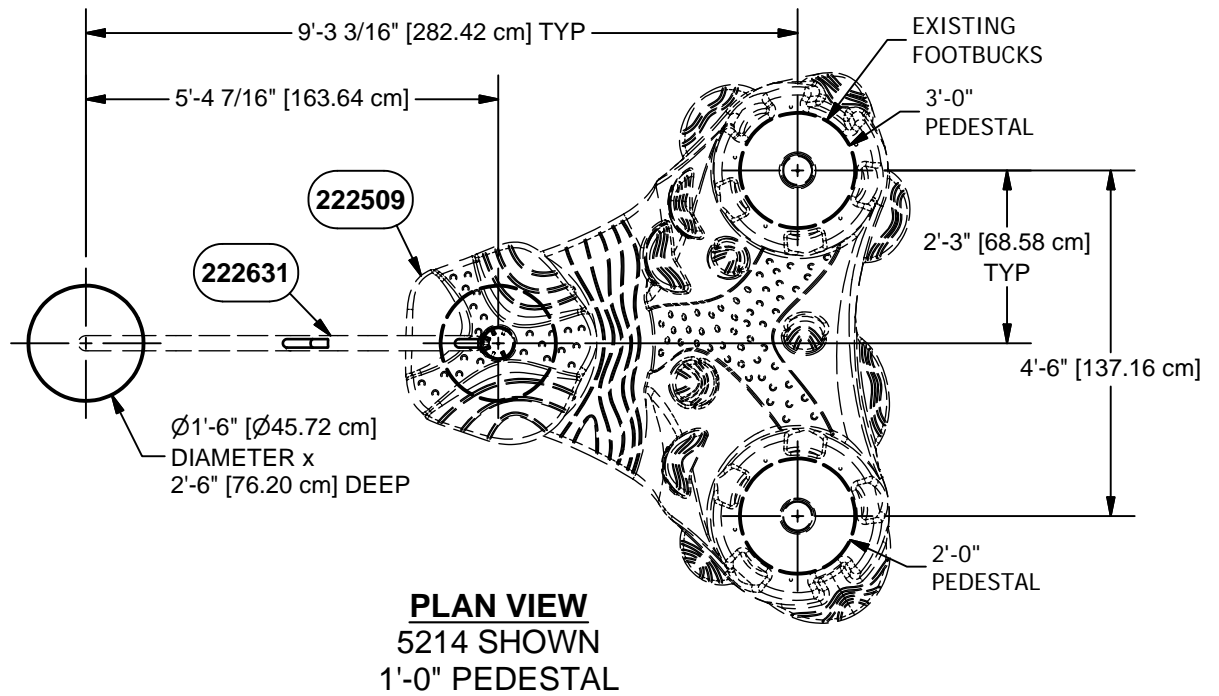
**TOP VIEW**  
5214 SHOWN  
1'-0" PEDESTAL



**TOP VIEW**  
5215 SHOWN  
2'-0" PEDESTAL

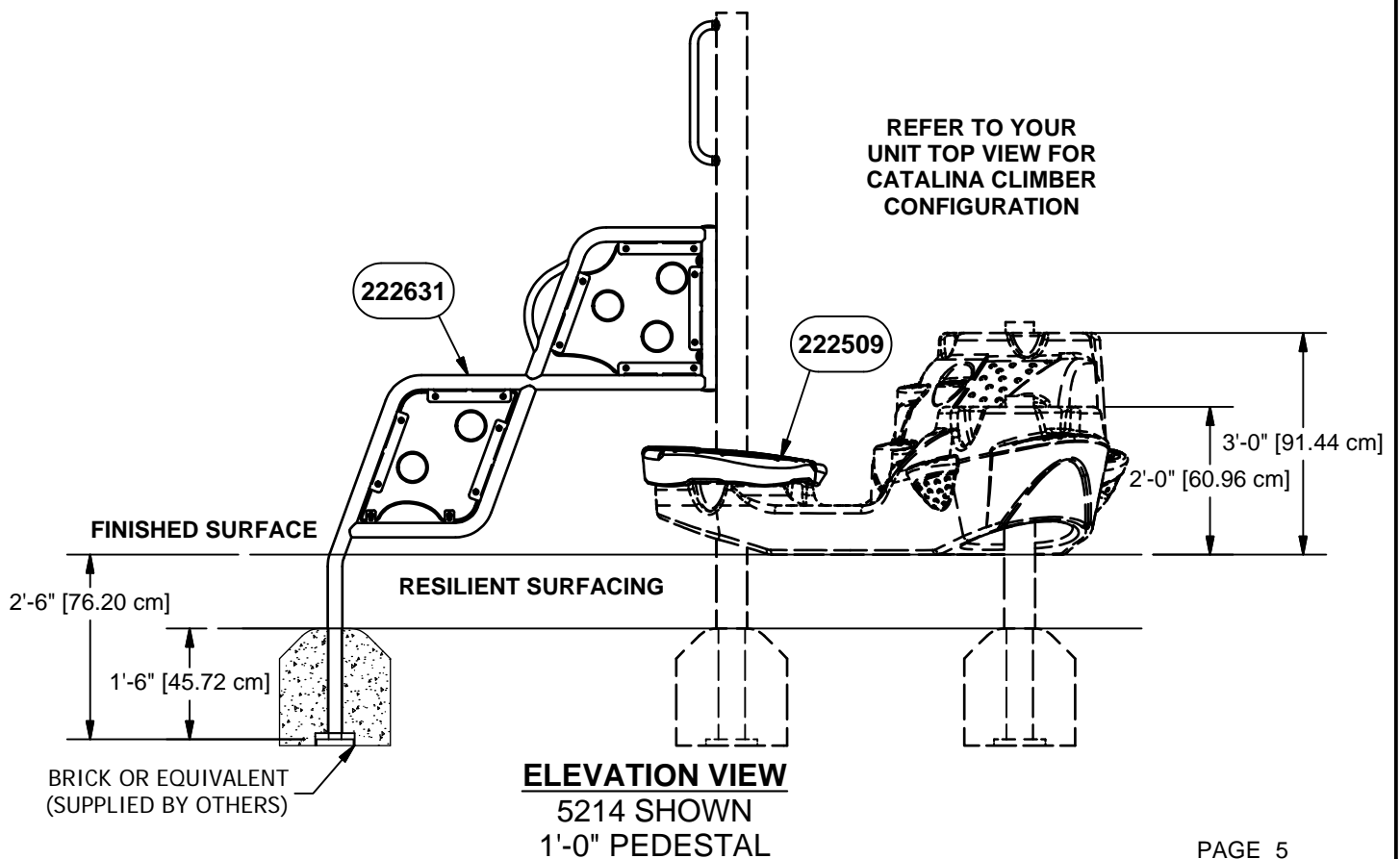


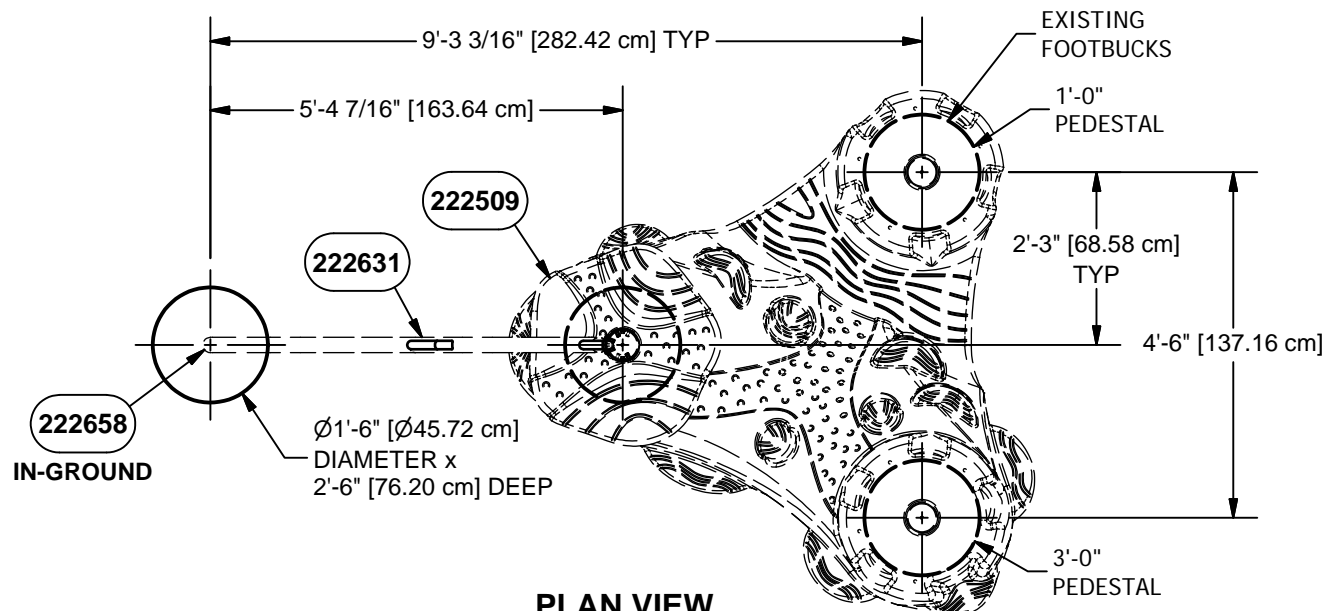
**TOP VIEW**  
5216 SHOWN  
3'-0" PEDESTAL



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

**CONCRETE REQUIRED:**  
0.10 CUBIC YARDS  
[0.08 CUBIC METERS]



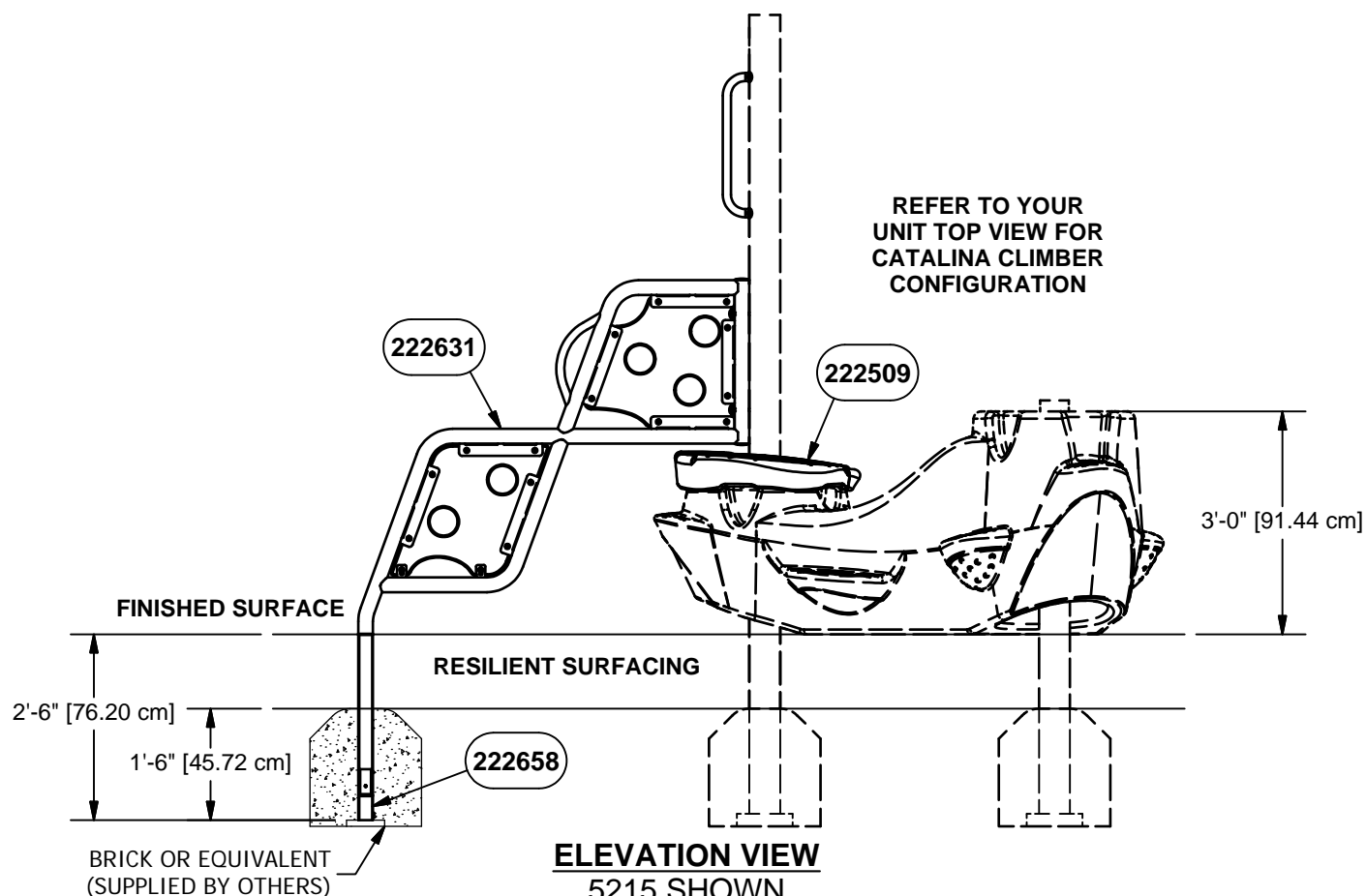


**PLAN VIEW**  
5215 SHOWN  
2'-0" PEDESTAL

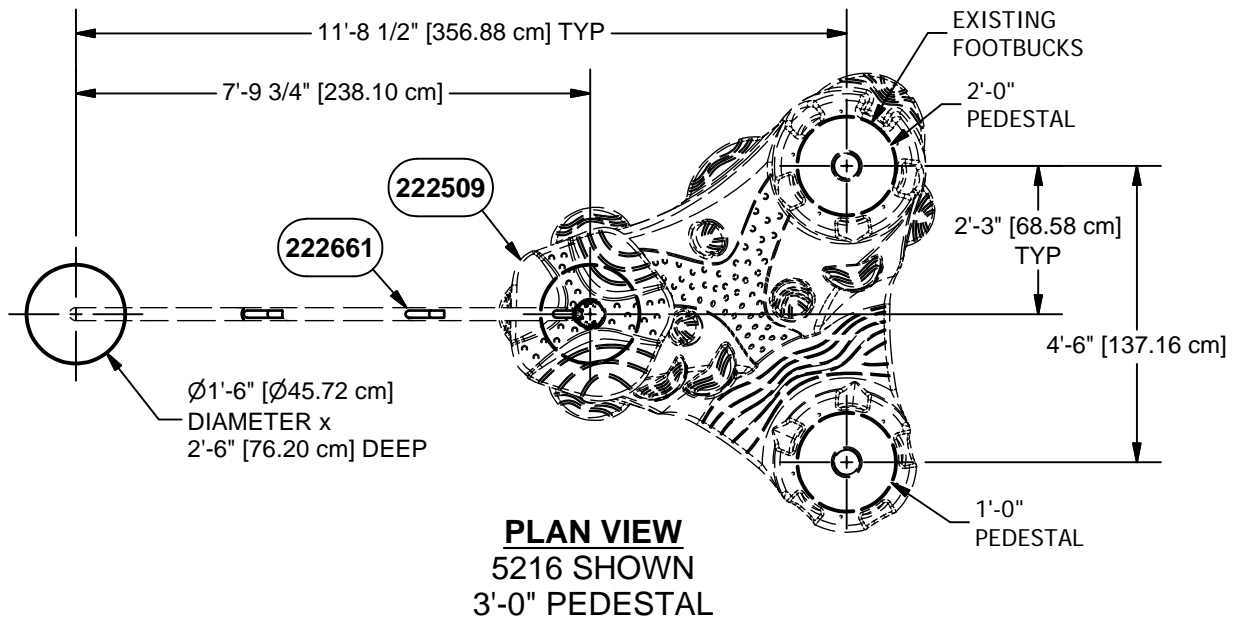
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**CONCRETE REQUIRED:**  
0.10 CUBIC YARDS  
[0.08 CUBIC METERS]

REFER TO YOUR  
UNIT TOP VIEW FOR  
CATALINA CLIMBER  
CONFIGURATION

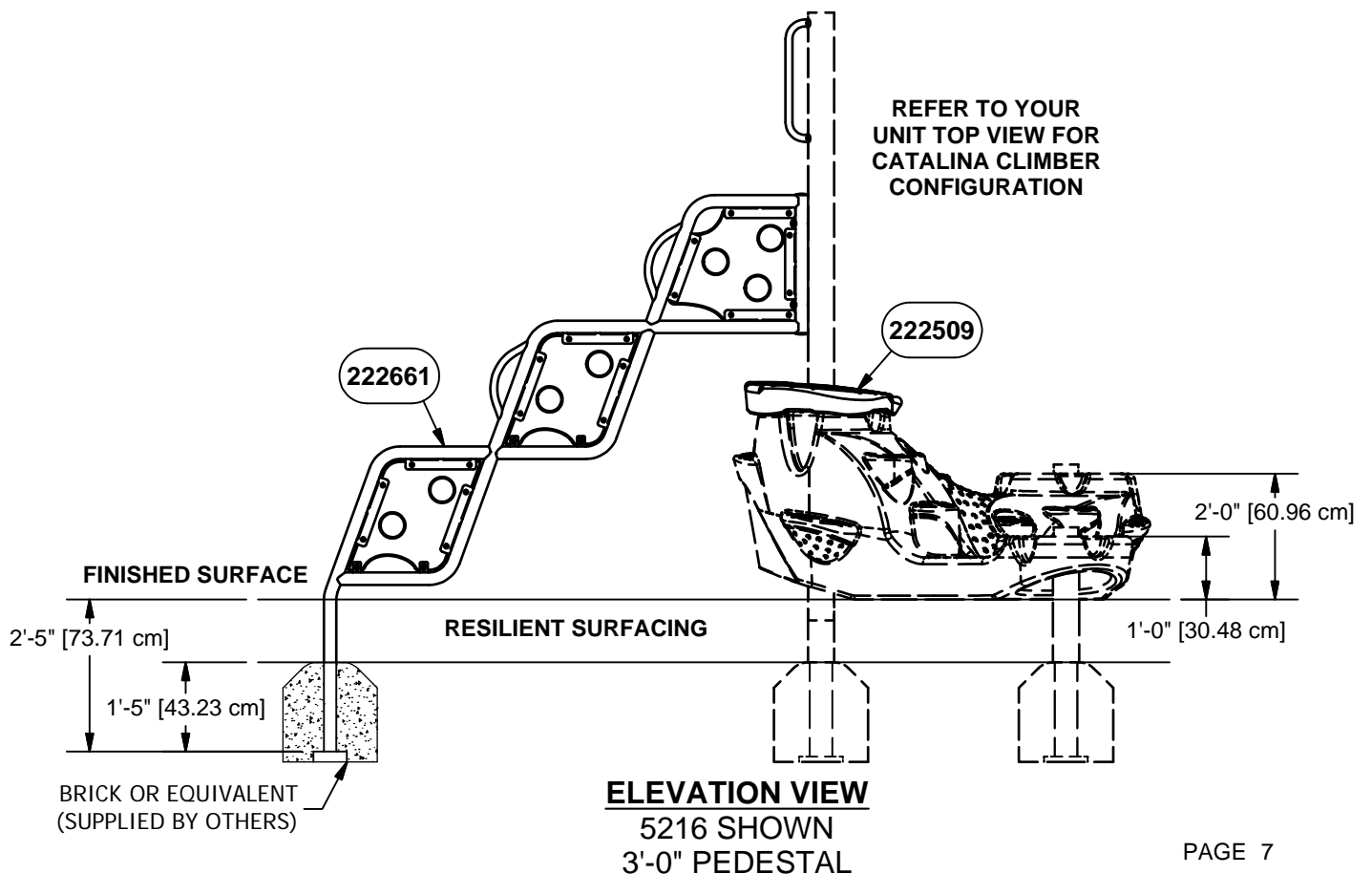


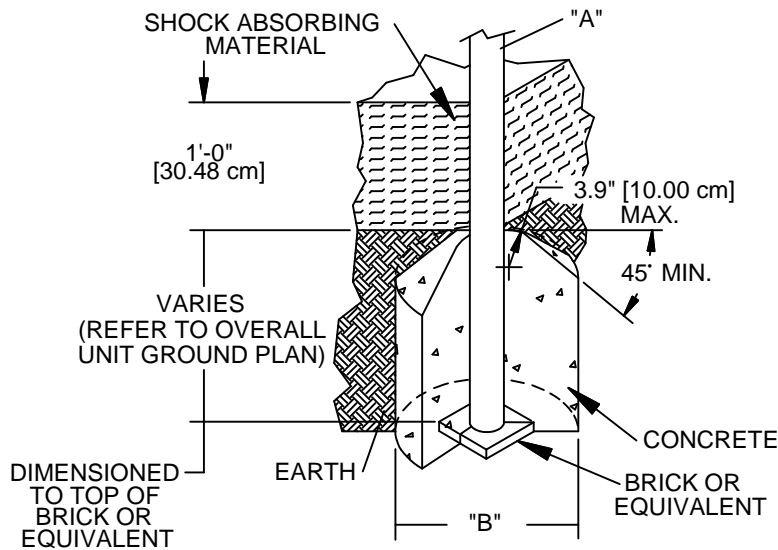
**ELEVATION VIEW**  
5215 SHOWN  
2'-0" PEDESTAL



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

**CONCRETE REQUIRED:**  
0.10 CUBIC YARDS  
[0.08 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" [45.72cm]

**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**





## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

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

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

**NOTE: REFER TO YOUR UNIT TOP VIEW FOR CATALINA CLIMBER CONFIGURATION.**

**STEP 1:** Attach Lower Mounting Plate Weld Assembly to Existing Upright. **REFER TO PAGE 11.**

**STEP 2:** Attach Lower Mounting Plate Weld Assembly underneath Catalina Climber Base. **REFER TO PAGE 11.**

**STEP 3:** Attach Cap Mounting Plate Weld Assemblies to top of Catalina Climber Base. **REFER TO PAGE 12.**

**STEP 4:** Attach Cap Mounting Plate Weld Assemblies to Existing Upright. **REFER TO PAGE 12.**

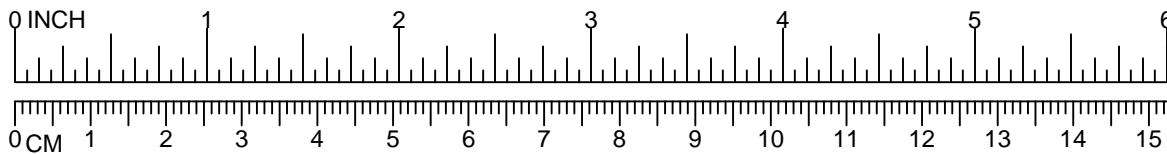
**STEP 5:** Attach Catalina Climber Cap With Hole to Cap Mounting Plate Weld Assemblies. **REFER TO PAGE 13.**

**STEP 6 (5215 ONLY):** Attach Extension to Surge Climber Weld Assembly. **NOTE:** Using Surge Climber Weld Assembly as a template, drill Ø3/16" diameter holes in Extension. **REFER TO PAGE 14.**

**STEP 7:** Attach Surge Climber Weld Assembly to Existing Upright. **REFER TO PAGE 15.**

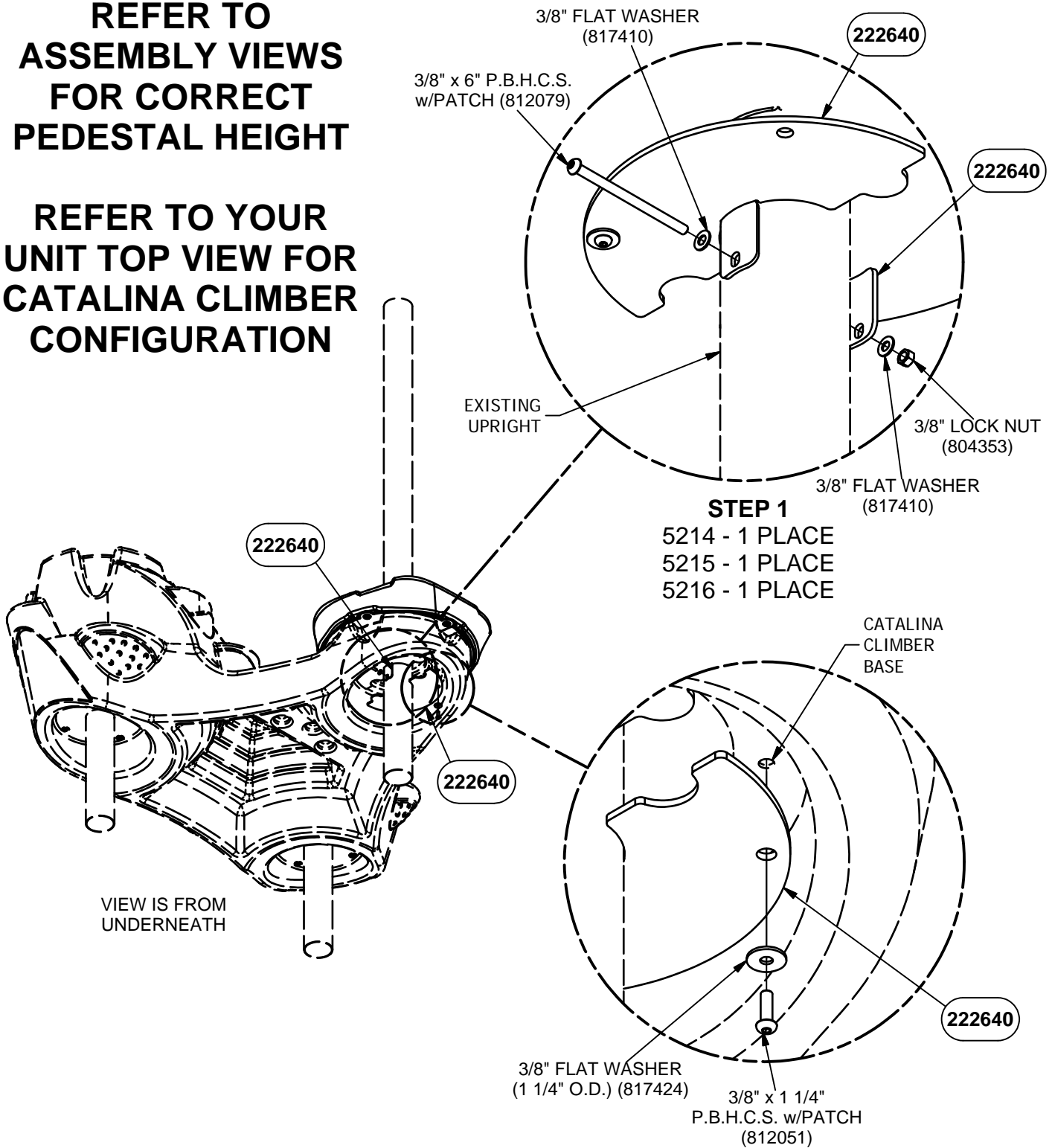
**STEP 8:** Attach HDPE Surge Climber Panels to Surge Climber Weld Assembly using the thru holes provided. **REFER TO PAGE 16.**

**STEP 9:** Attach HDPE Surge Climber Panels to Surge Climber Weld Assembly. **NOTE:** Using Surge Climber Weld Assembly as a template, drill Ø9/16" diameter holes in HDPE Surge Climber Panels. **REFER TO PAGE 16.**



**REFER TO  
ASSEMBLY VIEWS  
FOR CORRECT  
PEDESTAL HEIGHT**

**REFER TO YOUR  
UNIT TOP VIEW FOR  
CATALINA CLIMBER  
CONFIGURATION**



**STEP 1**

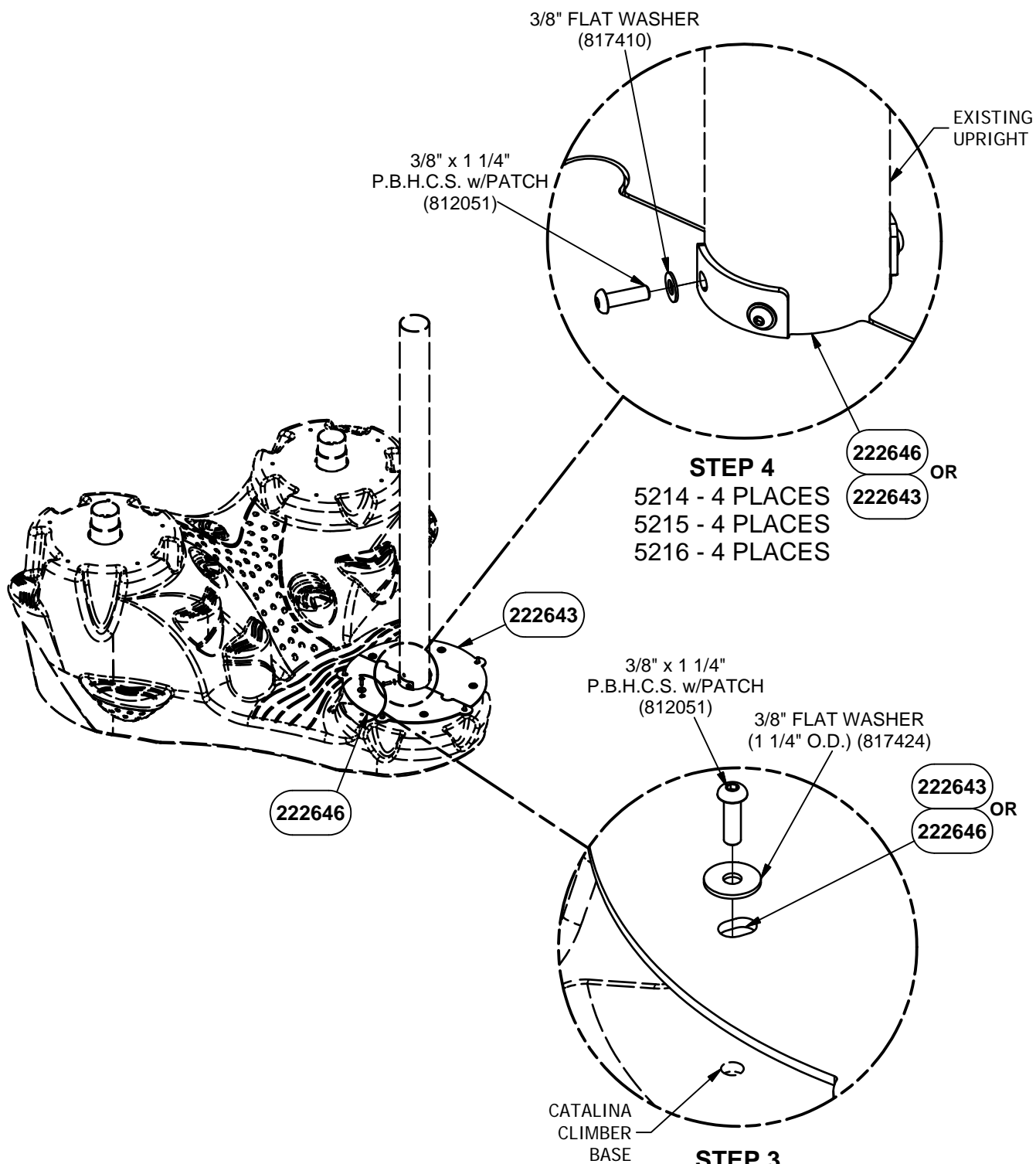
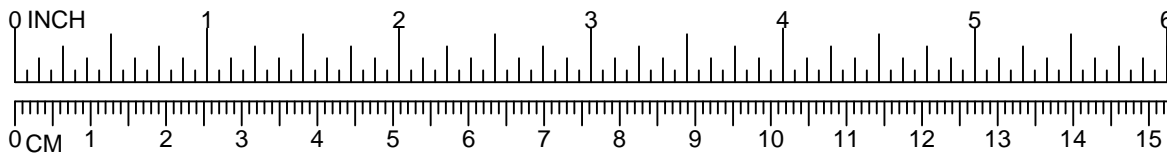
5214 - 1 PLACE  
5215 - 1 PLACE  
5216 - 1 PLACE

**STEP 2**

5214 - 4 PLACES  
5215 - 4 PLACES  
5216 - 4 PLACES

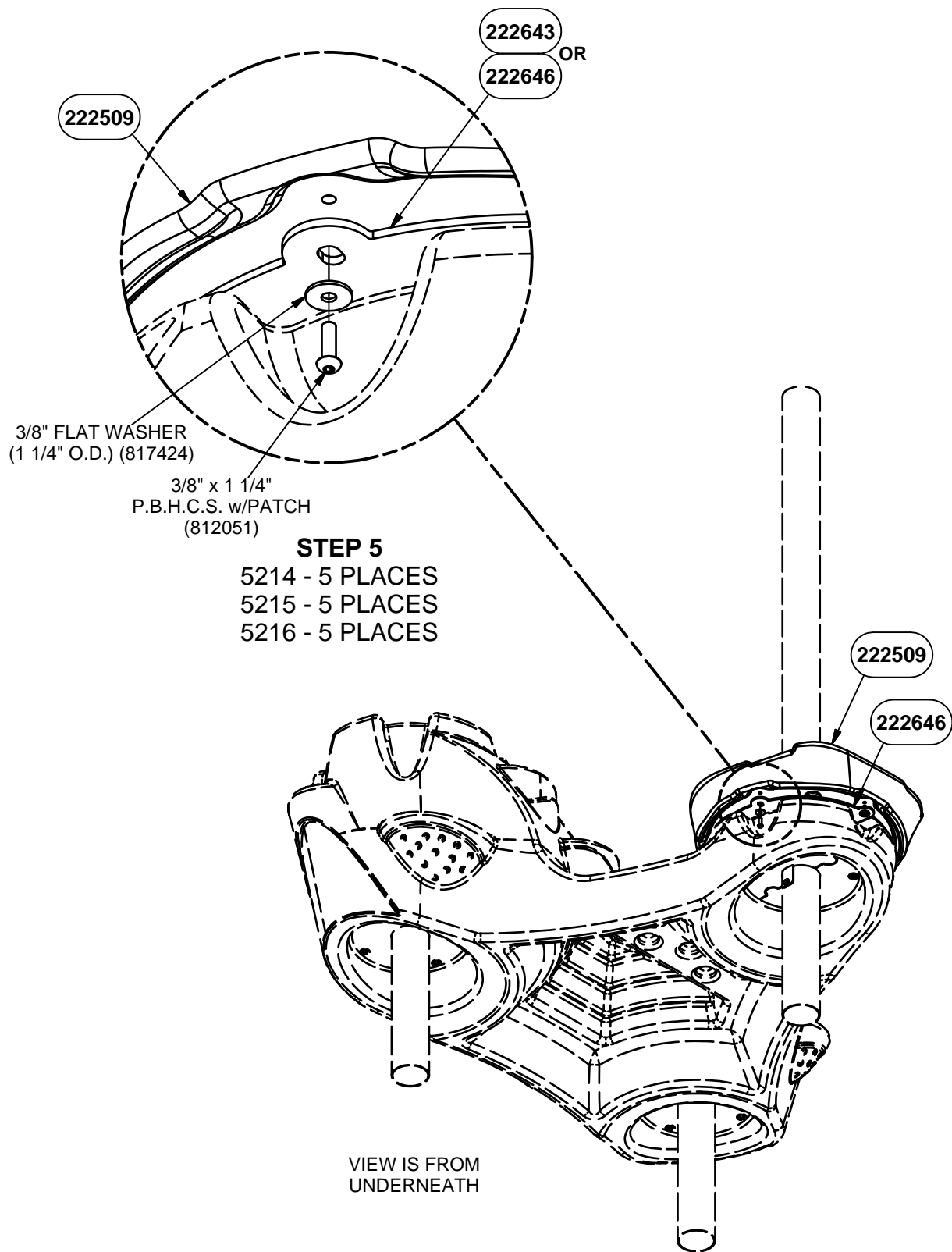
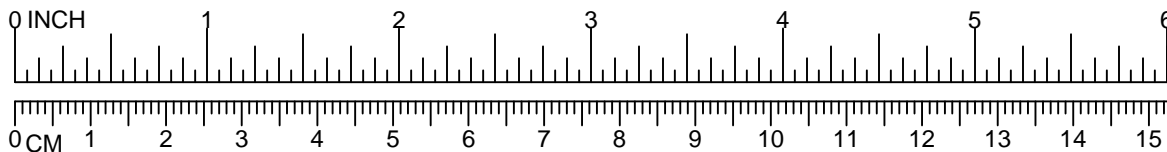
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE  
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**



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

**DETAIL VIEW**



**STEP 5**

5214 - 5 PLACES

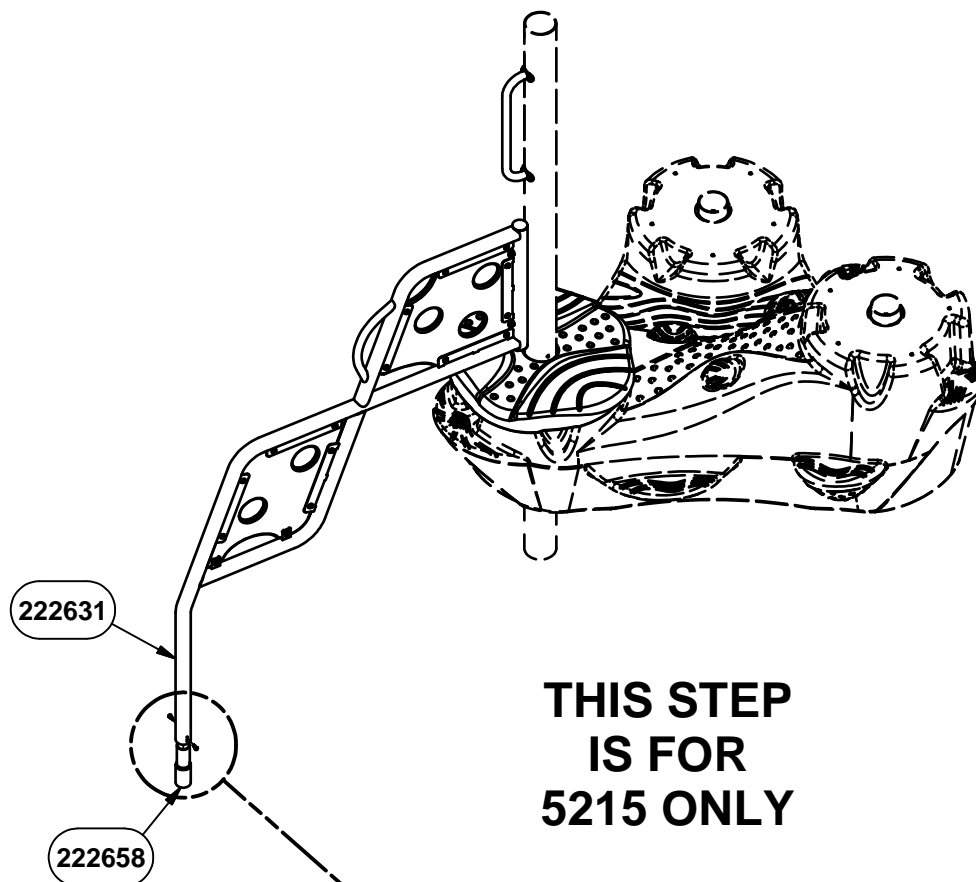
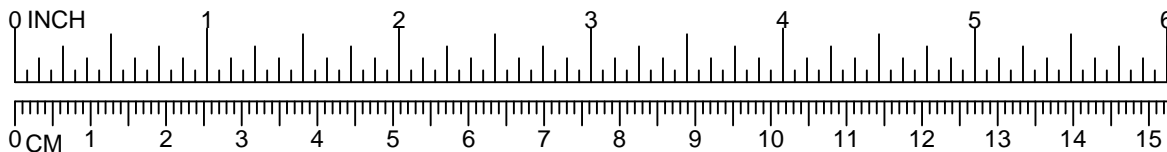
5215 - 5 PLACES

5216 - 5 PLACES

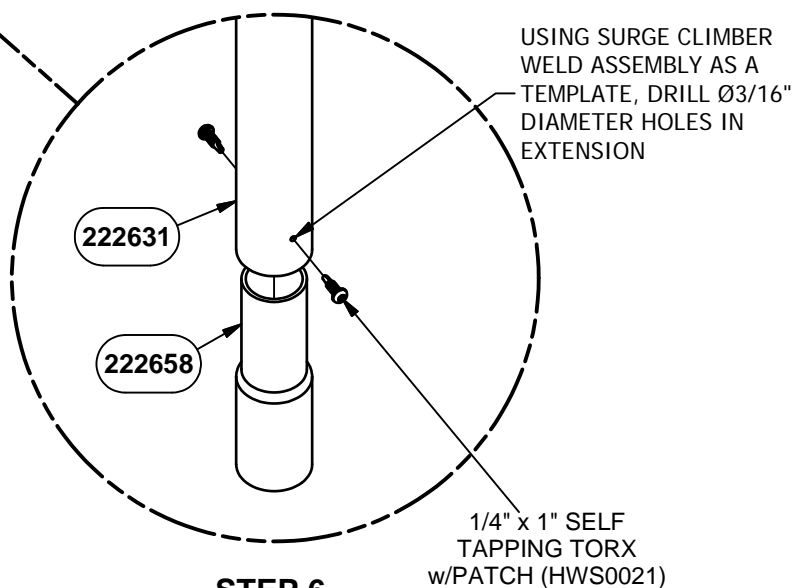
VIEW IS FROM  
UNDERNEATH

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

**DETAIL VIEW**



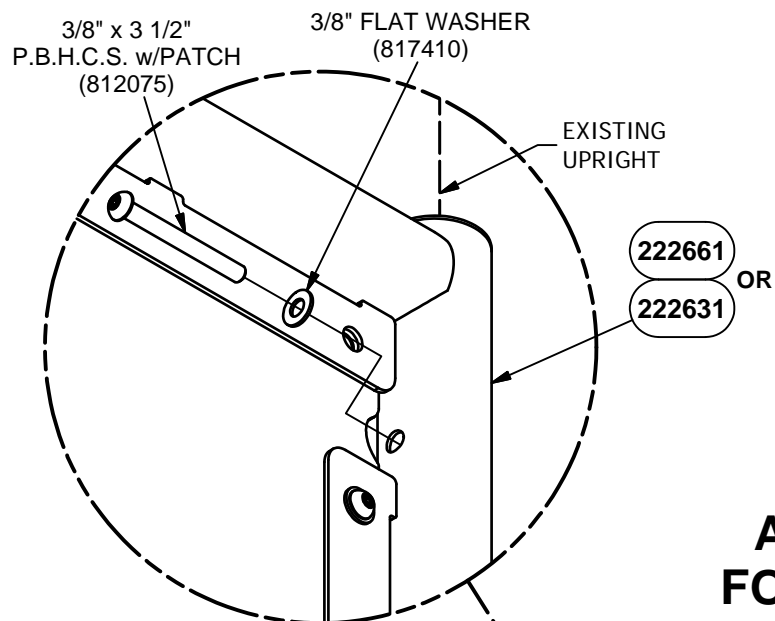
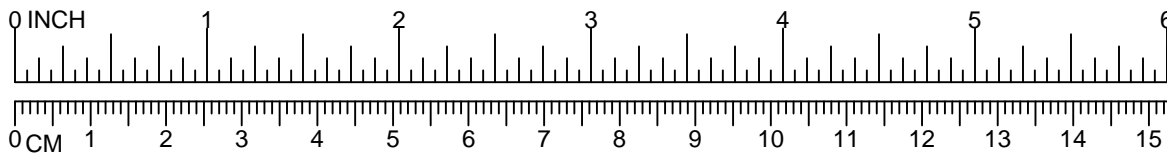
**THIS STEP  
IS FOR  
5215 ONLY**



**STEP 6**  
**5215 - 2 PLACES**

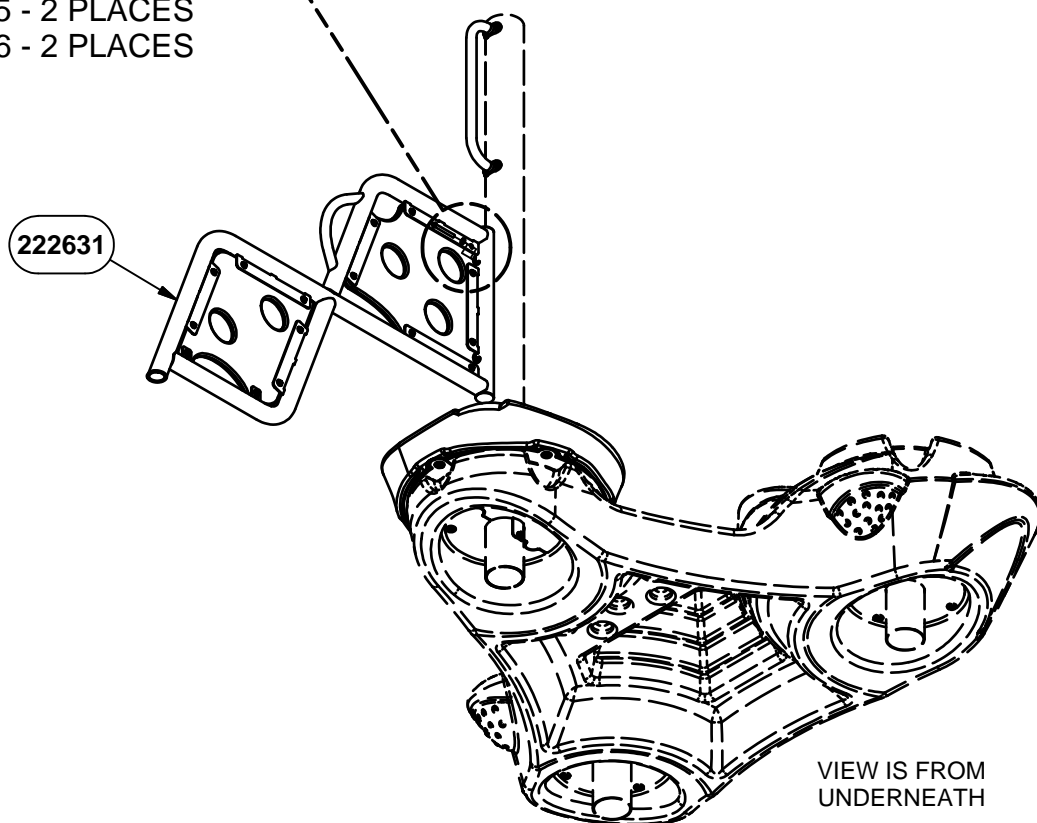
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE  
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**  
**5215 ONLY**



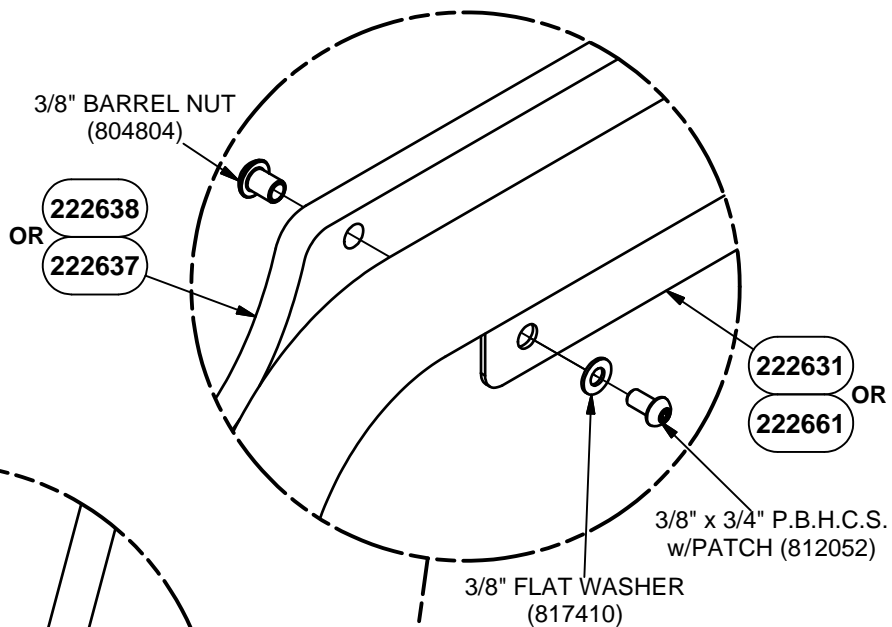
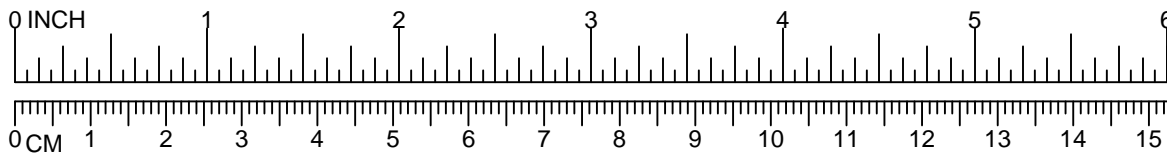
**STEP 7**  
5214 - 2 PLACES  
5215 - 2 PLACES  
5216 - 2 PLACES

**REFER TO  
ASSEMBLY VIEWS  
FOR PROPER SURGE  
CLIMBER WELD ASSEMBLY**



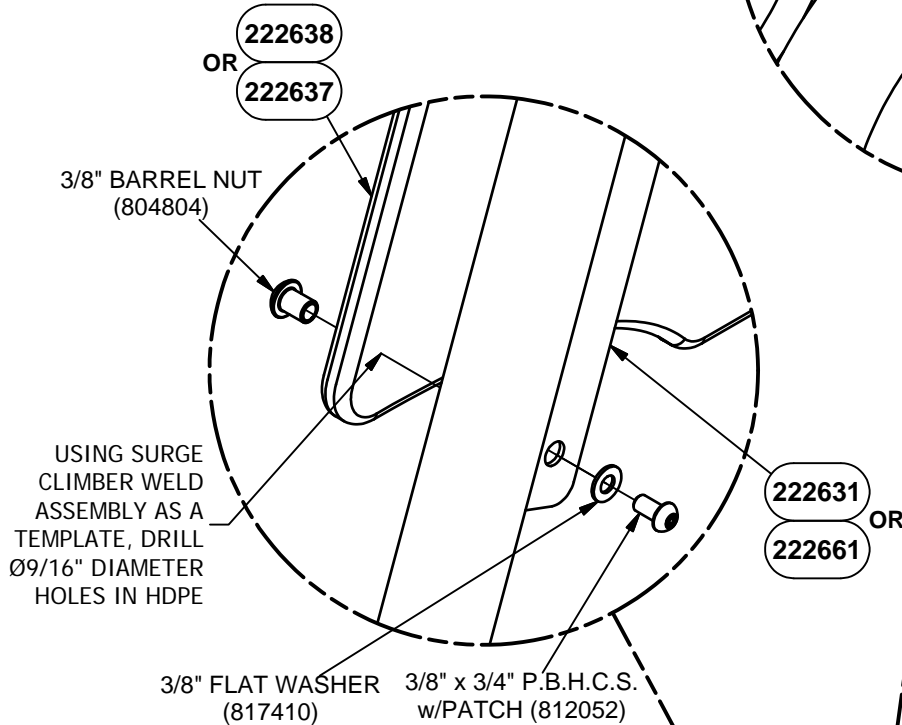
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE  
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**



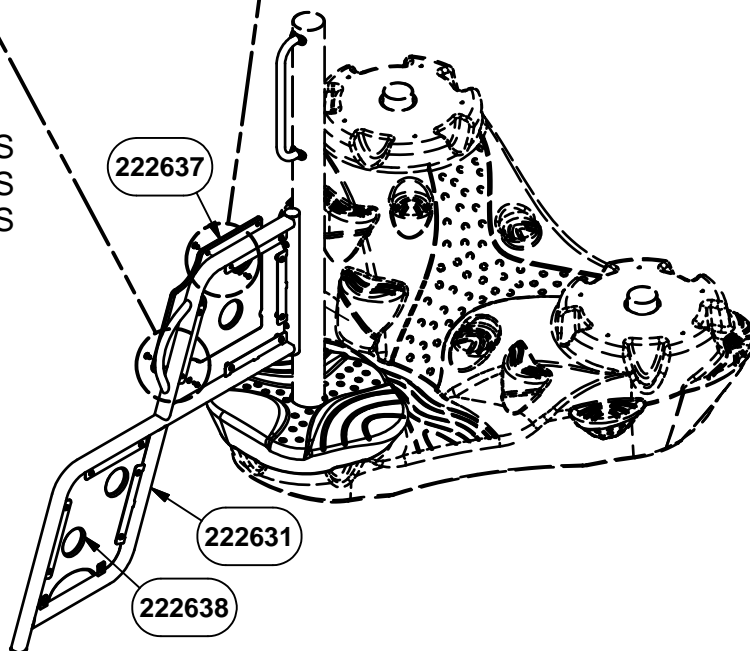
### STEP 8

5214 - 4 PLACES  
5215 - 4 PLACES  
5216 - 6 PLACES



### STEP 9

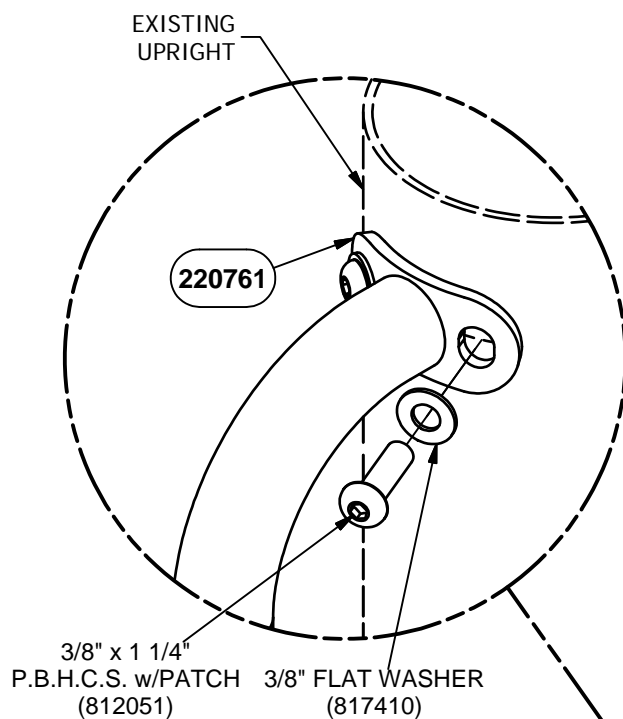
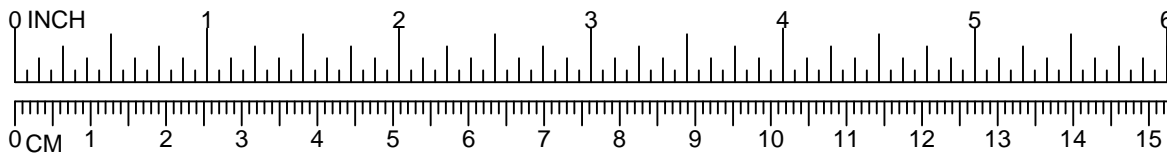
5214 - 12 PLACES  
5215 - 12 PLACES  
5216 - 18 PLACES



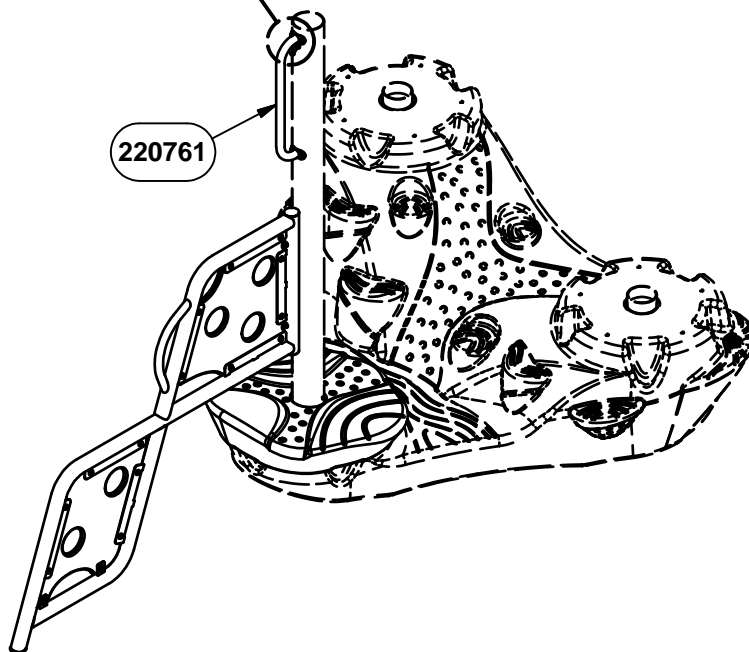
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

**DETAIL VIEW**





**STEP 10**  
5214 - 4 PLACES  
5215 - 4 PLACES  
5216 - 4 PLACES



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

**DETAIL VIEW**

Parts List				
DESCRIPTION	5214	5215	5216	PART NUMBER
CATALINA CLIMBER CAP WITH HOLE	1	1	1	222509
LOWER MOUNTING PLATE WELD ASSEMBLY	2	2	2	222640
CAP MOUNTING PLATE WELD ASSEMBLY	1	1	1	222643
CAP MOUNTING PLATE WELD ASSEMBLY	1	1	1	222646
SURGE CLIMBER WELD ASSEMBLY	1	1	0	222631
SURGE CLIMBER WELD ASSEMBLY	0	0	1	222661
HDPE SURGE CLIMBER	1	1	1	222637
HDPE SURGE CLIMBER	1	1	2	222638
HAND HOLD WELD ASSEMBLY	1	1	1	220761
<b>HARDWARE COMPLETE</b>	1	0	0	222680
<b>HARDWARE COMPLETE</b>	0	1	0	222681
<b>HARDWARE COMPLETE</b>	0	0	1	222682
1/4" x 1" SELF TAPPING TORX w/PATCH	0	2	0	HWS0021*
3/8" x 3/4" P.B.H.C.S. w/PATCH	16	16	24	812052*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	22	22	22	812051*
3/8" x 3 1/2" P.B.H.C.S. w/PATCH	2	2	2	812075*
3/8" x 6" P.B.H.C.S. w/PATCH	1	1	1	812079*
3/8" FLAT WASHER (1 1/4" O.D.)	14	14	14	817424*
3/8" FLAT WASHER	28	28	36	817410*
3/8" LOCK NUT	1	1	1	804353*
3/8" BARREL NUT	16	16	24	804804*
EXTENSION	0	1	0	222658*

*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.



Enriching Childhood Through Play™

1-800-235-2440

8691

SEAT

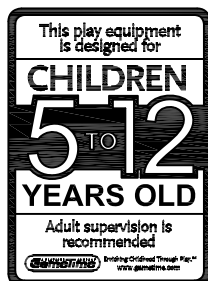
ISSUED/REVISED: 10/30/17

 = INSTALLATION  
DETAIL

 = PARTS LIST  
REFERENCE

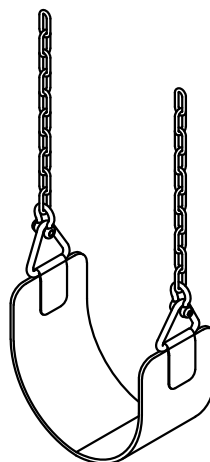


8695, 8696, 8914, SS8914, SS8695,  
SS8696

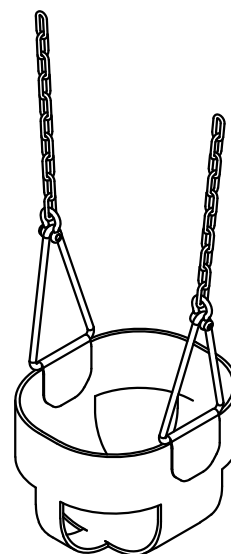


8908, 8909, 8910, 8911, 8918, 8915,  
SS8918, SS8908, SS8910, SS8909,  
SS8911

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



8691



8693

### **SPECIFICATIONS**

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

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

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

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



## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

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

☐ Equipment should be placed to eliminate conflicting traffic patterns.

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

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

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

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

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

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

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

### PARTS LIST -for- SEATS

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

### PARTS LIST -for- SEAT PACKAGES

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

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

**\*Included in Hardware Complete.**

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

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

## PARTS LIST -for- SEAT PACKAGES

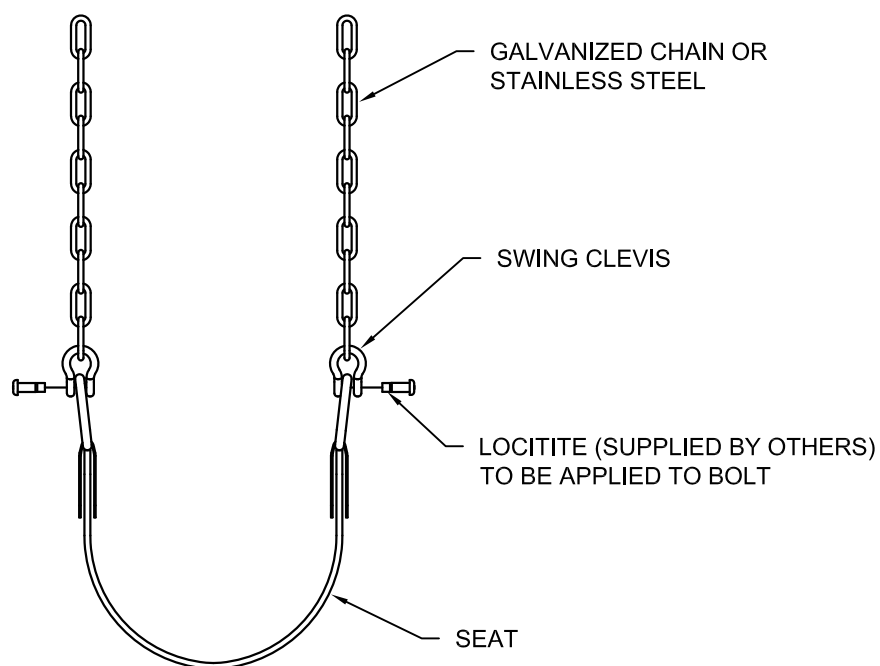
DESCRIPTION	NO. REQUIRED								PART NO.
	8691	8918	8908	8910	8909	8911			
Belt Seat	1	1	1	1	1	1			8691
Swing Hanger (2-3/8" O.D.)	0	0	2	0	2	0			1461
Swing Hanger (3-1/2" O.D.)	0	0	0	2	0	2			1462
Swing Hanger (5" O.D.)	0	2	0	0	0	0			1487
Chain	0	2	0	0	0	0			103052
Chain	0	0	2	2	0	0			166892
Chain	0	0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

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

**\*Included in Hardware Complete.**

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



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



**SEAT ASSEMBLY**  
**(WITH GALVANIZED CHAIN**  
**OR STAINLESS STEEL)**

# 1461 SWING HANGER

ISSUED/REVISED: 3/15/16

 = INSTALLATION  
DETAIL  
 = PARTS LIST  
REFERENCE

## SPECIFICATIONS

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

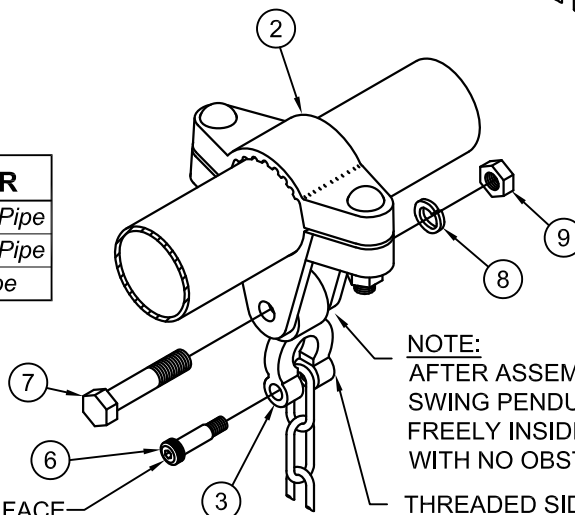
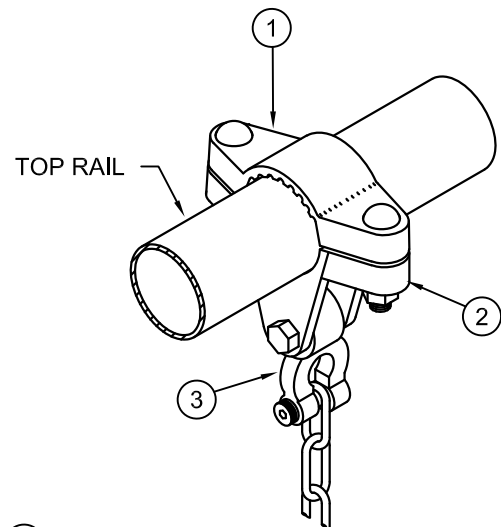
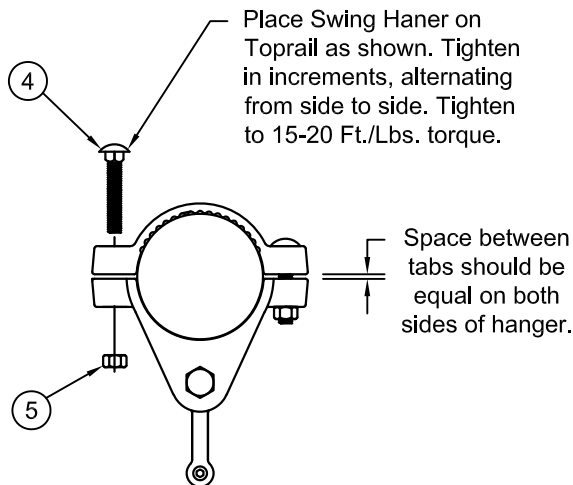
**HARDWARE:** All Carriage bolts, lockwashers, hex nuts, and shoulder bolts shall be zinc plated with a clear chromate coating.

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

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

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

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



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

THREADED SIDE  
 OF PENDULUM

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

NOTE: BOLT HEAD TO FACE  
 INTERIOR OF SWING

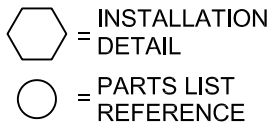
## PARTS LIST

Ref. NO.	DESCRIPTION	NO. REQUIRED						PART NO.
		1461	1462	1463	1485	1486	1487	
1	Top Clevis	1	0	0	0	0	0	157000
1	Top Clevis	1	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.**

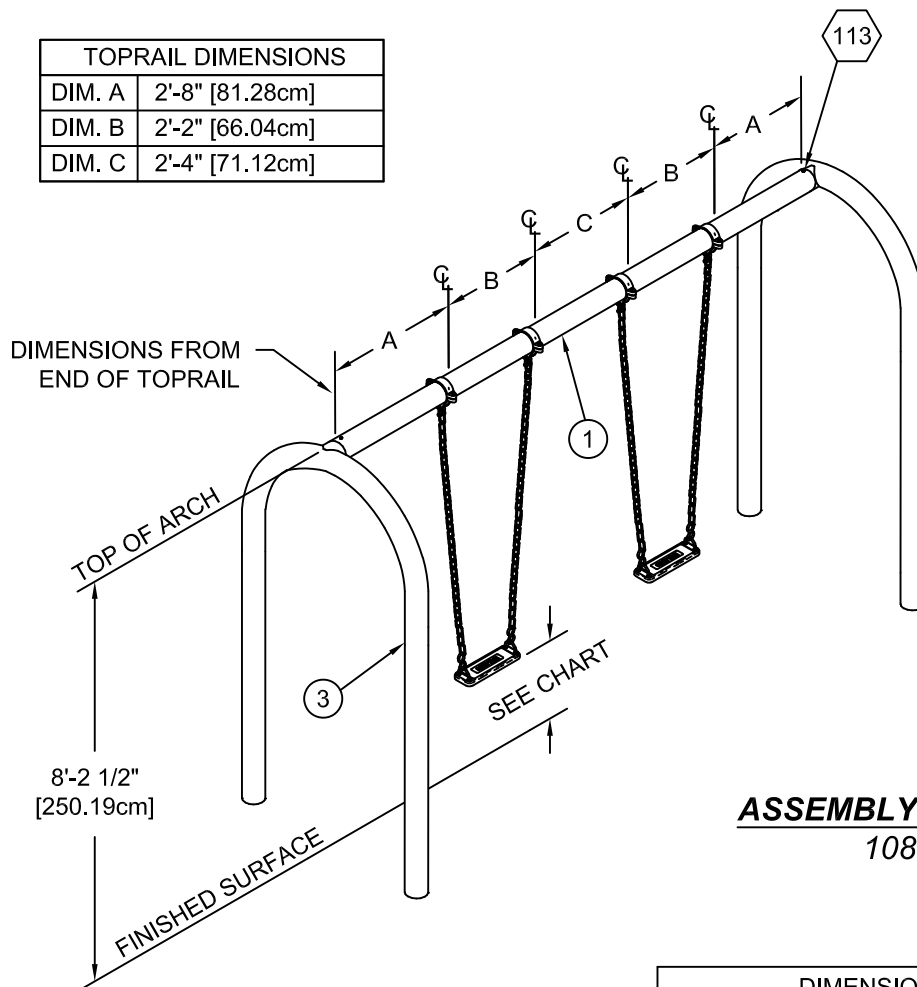
**Note: Loctite (supplied by others) should be used on all threaded hardware.**





**NOTE: 10847 FREESTANDING  
10848 ADD-A-BAY**

TOPRAIL DIMENSIONS	
DIM. A	2'-8" [81.28cm]
DIM. B	2'-2" [66.04cm]
DIM. C	2'-4" [71.12cm]



### 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.

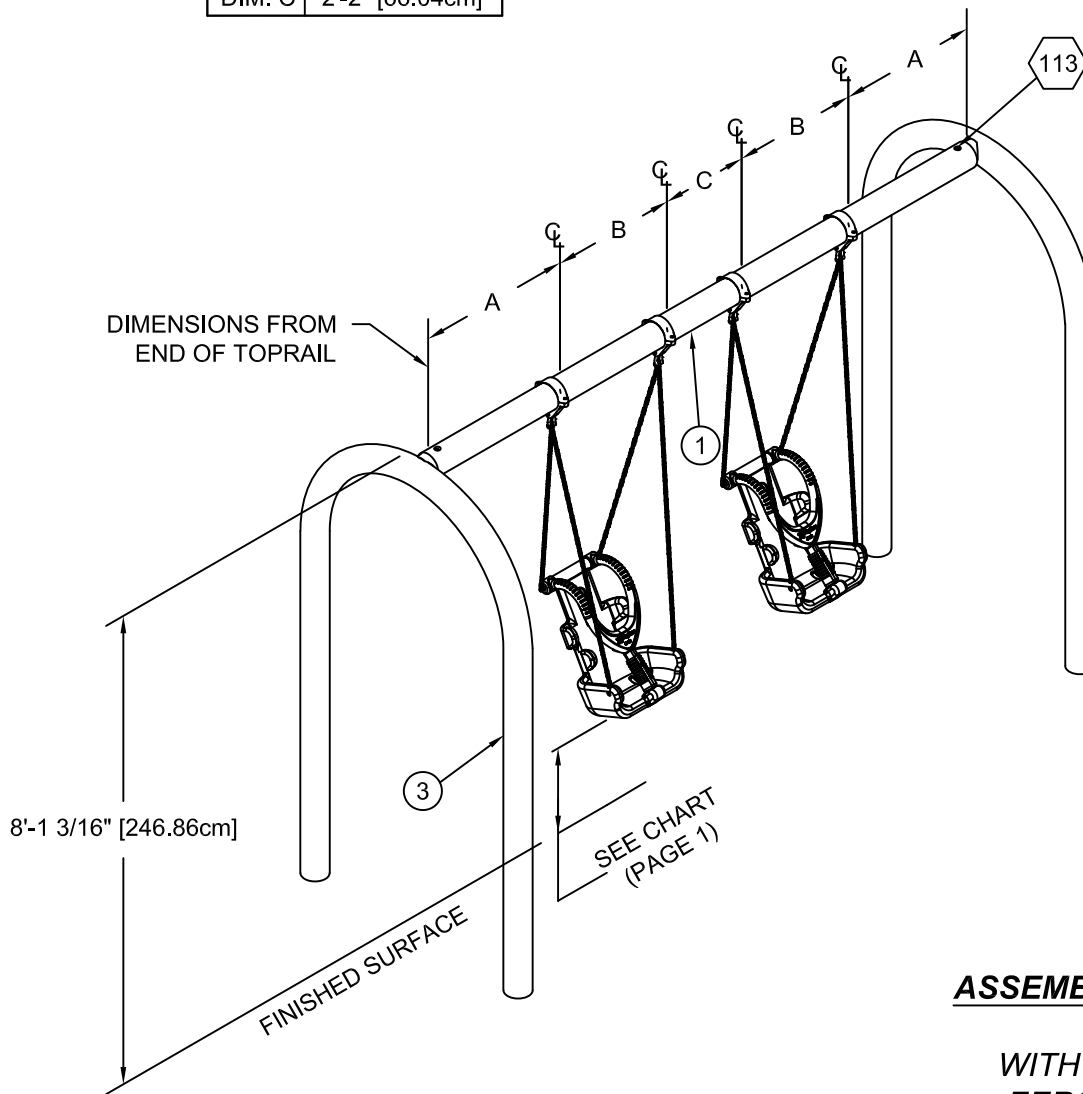
### ASSEMBLY DRAWING 10847

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

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

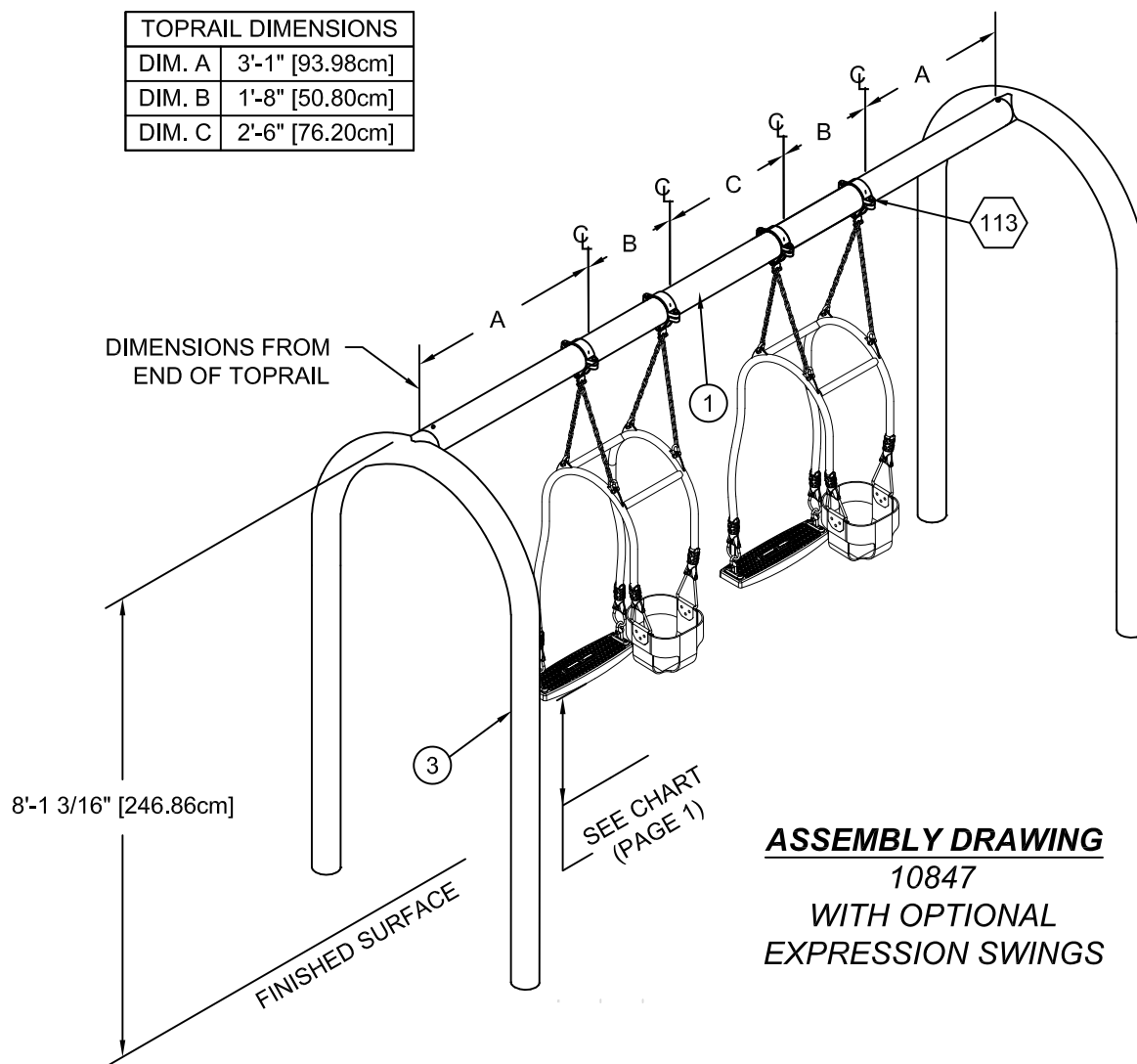
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

TOPRAIL DIMENSIONS	
DIM. A	2'-7" [78.74cm]
DIM. B	2'-4" [71.12cm]
DIM. C	2'-2" [66.04cm]

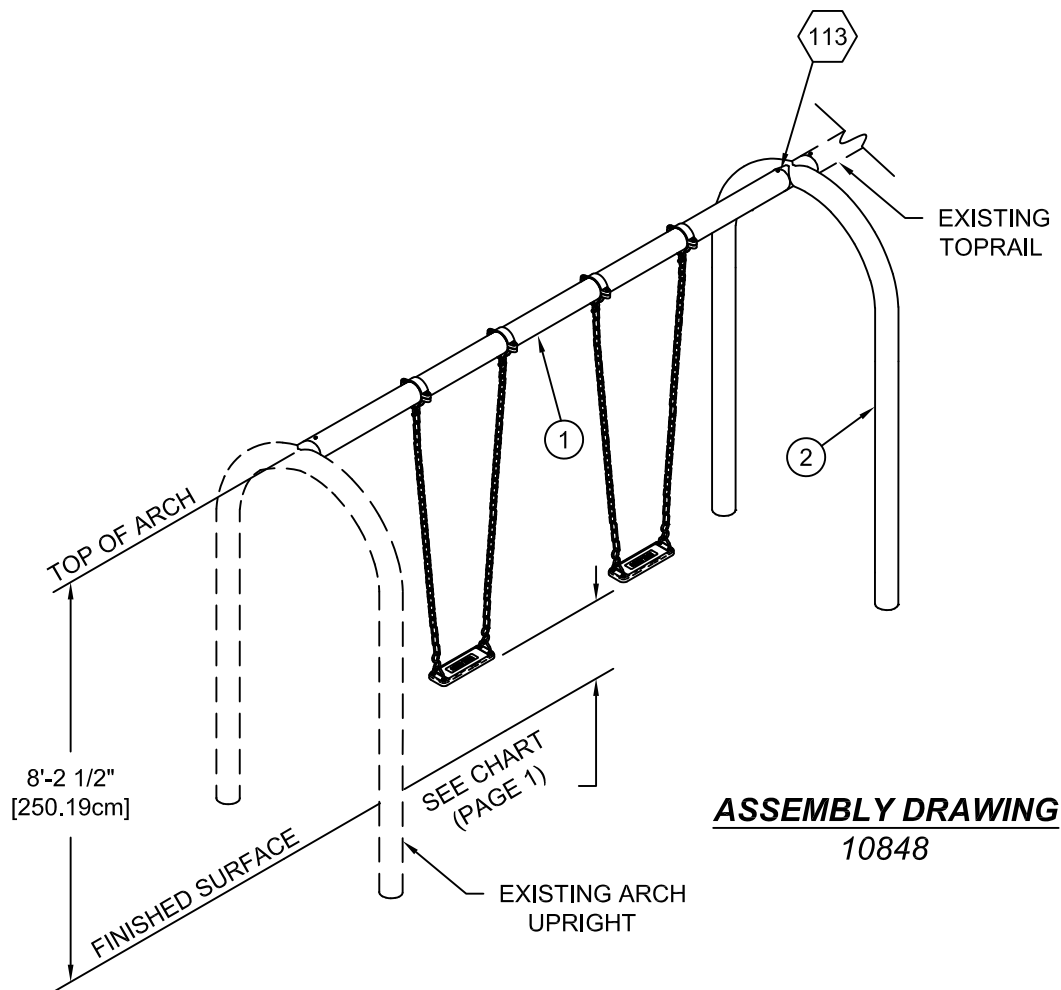


**ASSEMBLY DRAWING**  
**10847**  
**WITH OPTIONAL**  
**ZERO-G CHAIR**

TOPRAIL DIMENSIONS	
DIM. A	3'-1" [93.98cm]
DIM. B	1'-8" [50.80cm]
DIM. C	2'-6" [76.20cm]



**ASSEMBLY DRAWING**  
**10847**  
**WITH OPTIONAL**  
**EXPRESSION SWINGS**



**ASSEMBLY DRAWING**  
10848

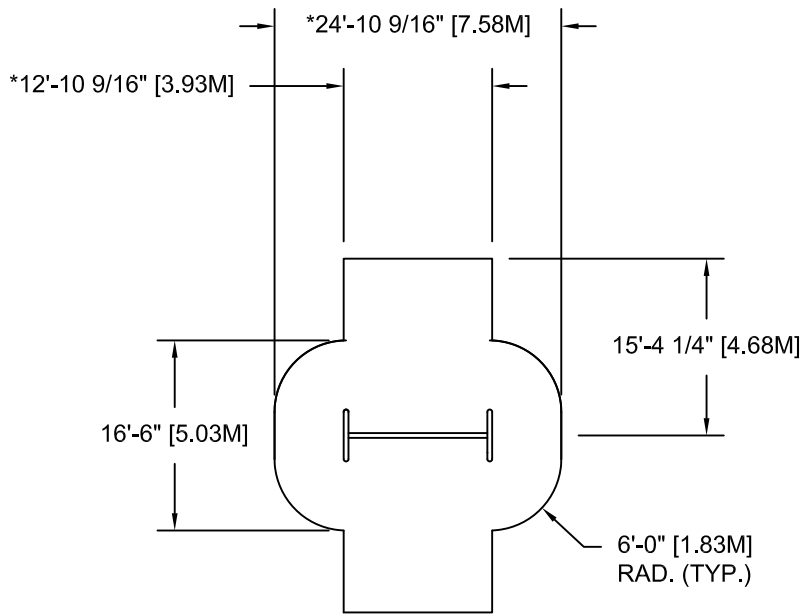
### PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D		PART NUMBER
		10847	10848	
1	5" O.D. 2-Place Swing Toprail	1	1	157391
2	Multi-Bay Arch Upright Ass'y	0	1	147009
3	Arch End Upright Ass'y	2	0	147006
	Hardware Complete	1	1	147013
	1/2" x 5 1/2" B.H.C.S.	2	2	811071*
	1/2" Hex Nut	2	2	804055*
	1/2" Lockwasher	4	4	817342*
	Manufacturer I.D. Label	1	1	159151*

Unless Otherwise Specified, All Units of Measure are Each

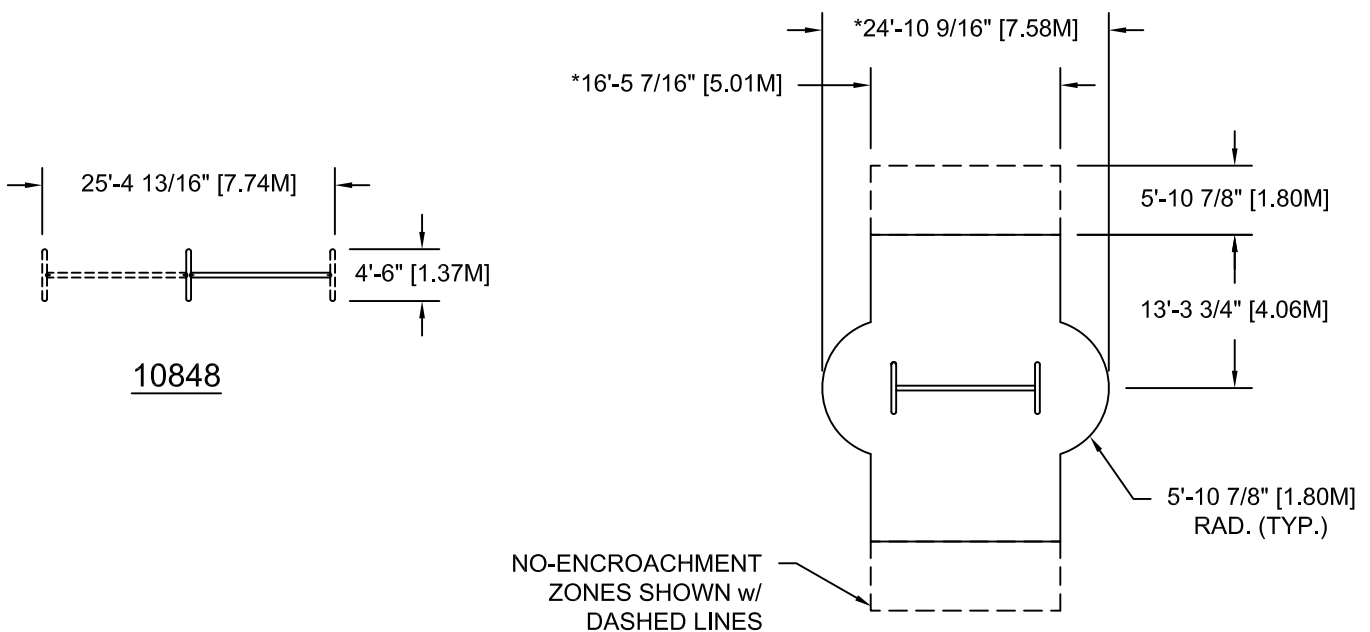
\* Included in Hardware

**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 VIEWS**

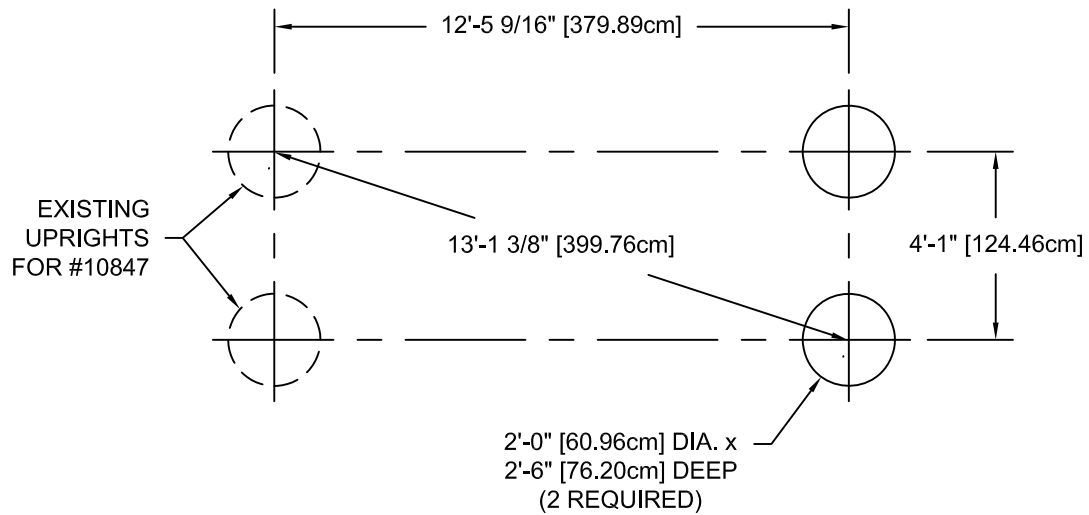
**10847**



**10847 (CSA ONLY)**

**NOTE:**

1. OWNER/OPERATOR SHALL INSTALL AND MAINTAIN PROTECTIVE SURFACING WITHIN THE USE ZONE (U.S.) OR PROTECTIVE SURFACING ZONE (CANADA) OF ALL PLAY EQUIPMENT TO COMPLY WITH ASTM F-1292 AND ASTM F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).
2. SOLID OUTSIDE BORDER REPRESENTS MINIMUM REQUIRED ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE FOR SWING FRAME SHOWN.
3. DASHED LINES REPRESENT CSA *NO ENCROACHMENT* ZONE (CANADA ONLY).
4. \*EACH ADDITIONAL CONNECTED SWING FRAME BAY INCREASES THE USE ZONE SURFACING, AND *NO ENCROACHMENT* ZONE DIMENSIONS BY 10'-5\"/>



### **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 - 10847  
.68 Cubic Yards  
[.52 Cubic Meters]

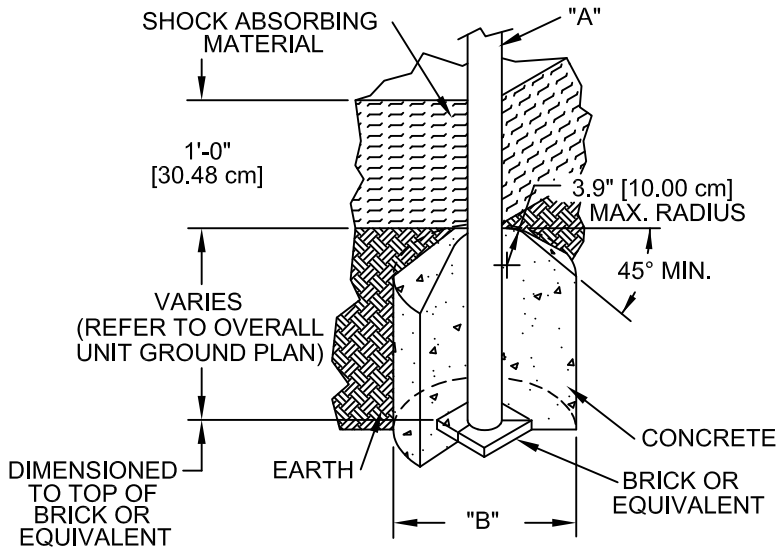
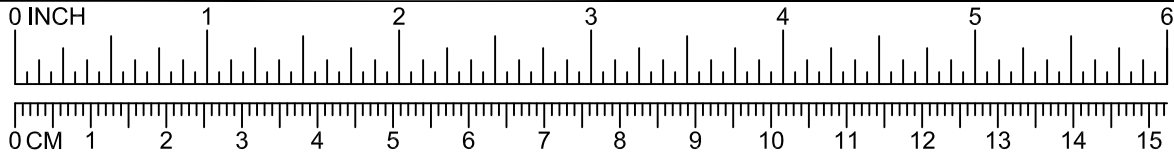
Concrete Required - 10848  
.34 Cubic Yards  
[.26 Cubic Meters]

# DETAILS -for- 10847 & 10848

## 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.



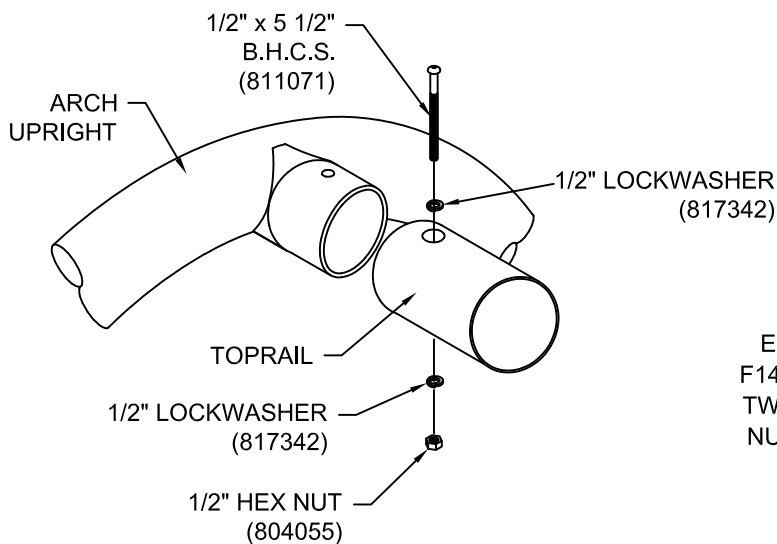
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS	
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
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

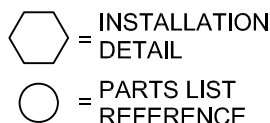
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



113

## \*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.



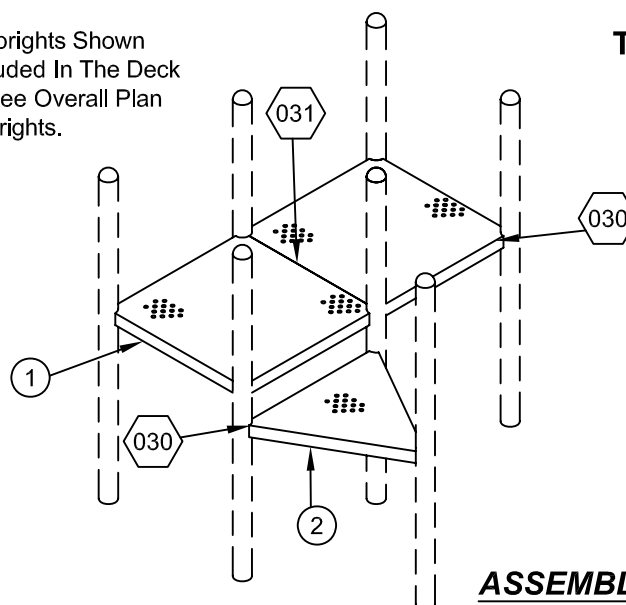
Note: The Uprights Shown  
Are Not Included In The Deck  
Packages. See Overall Plan  
View For Uprights.

**SQUARE** 80000  
**TRIANGLE** 80001

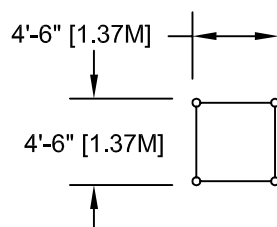
## INSTALLATION INSTRUCTIONS

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.

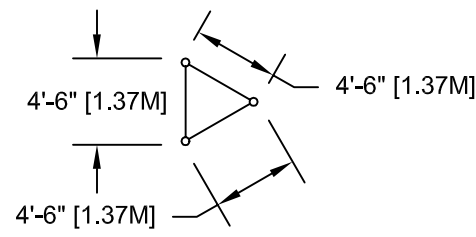


**ASSEMBLY DRAWING**



**80000**

**TOP VIEWS**



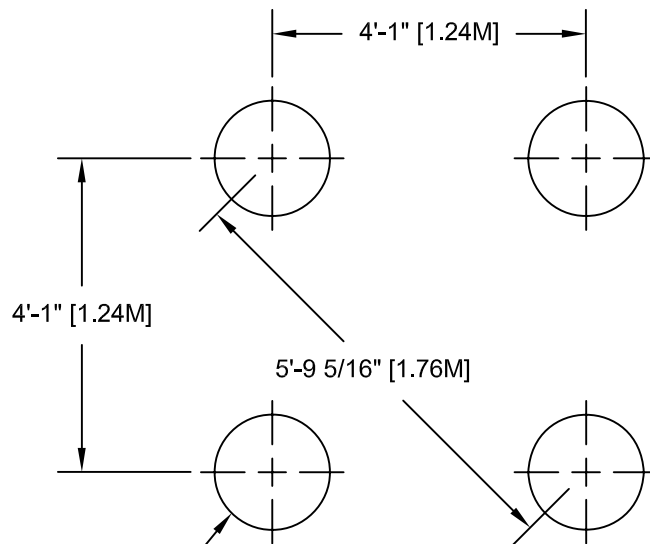
**80001**

## PARTS LIST

REF NO.	DESCRIPTION	80000	80001	PART NUMBER
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



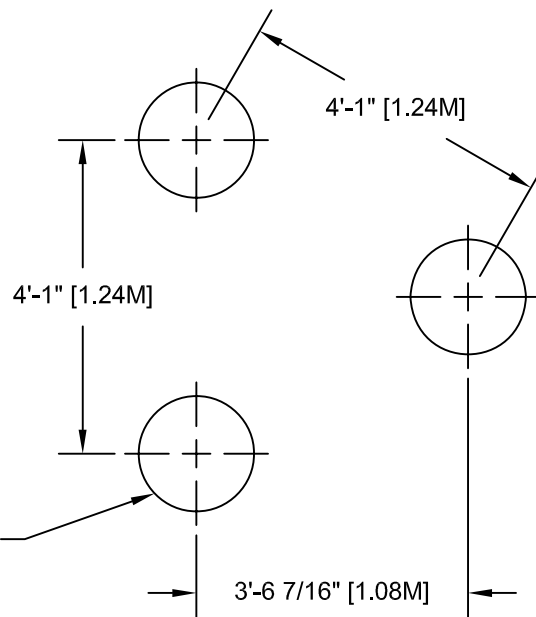


1'-6" [45.72 cm] DIA. x  
2'-6" [76.20 cm] DEEP  
(QTY. AS REQUIRED)  
SEE DETAIL 032

**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**

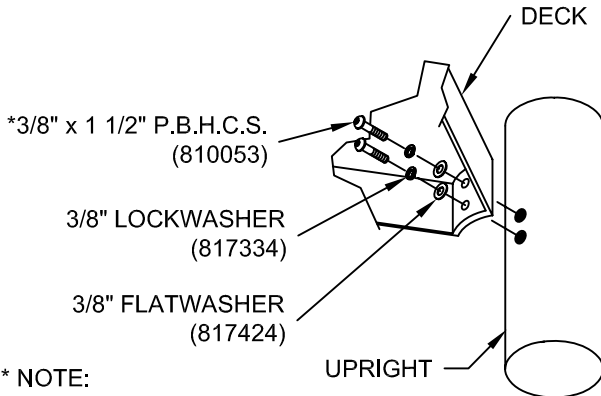
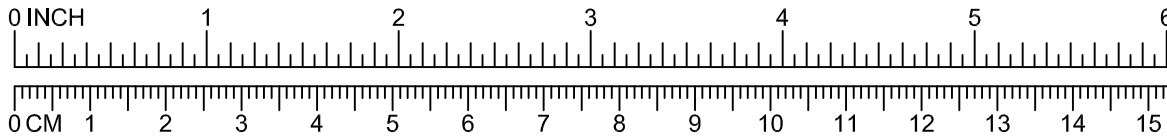
**GROUND PLANS**

# DETAILS -for- 80000 & 80001

## IMPORTANT

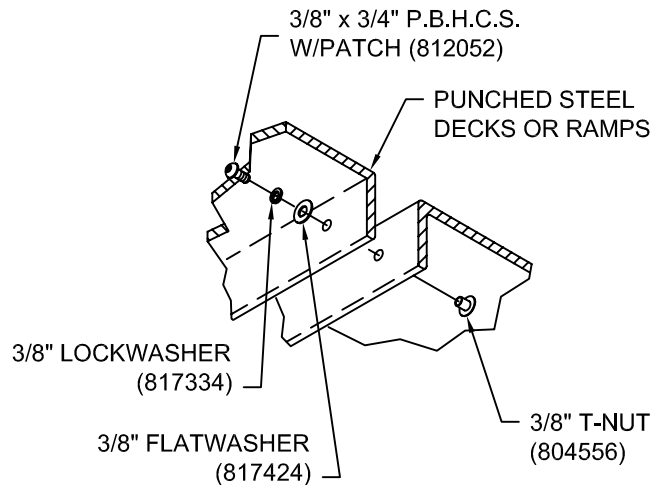
**TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.**

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



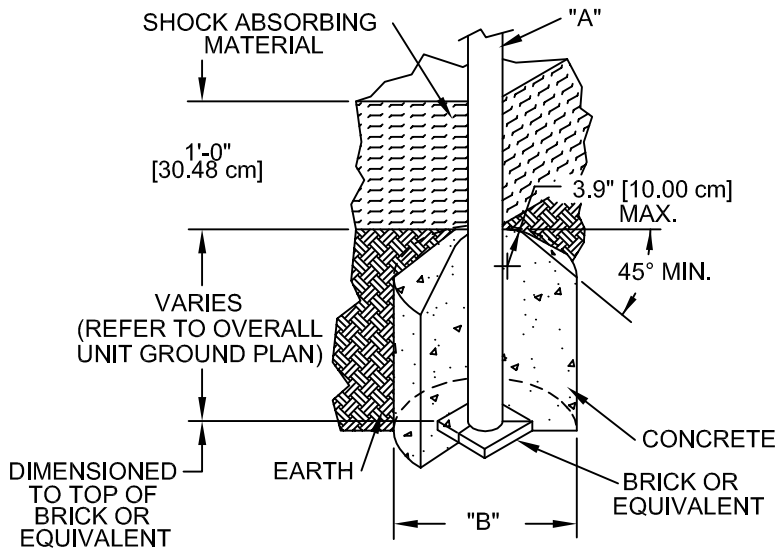
\* NOTE:  
BOLTS SHOULD BE TORQUED  
FROM 20-25 FT. LBS. FOR  
PROPER INSTALLATION.

\* 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

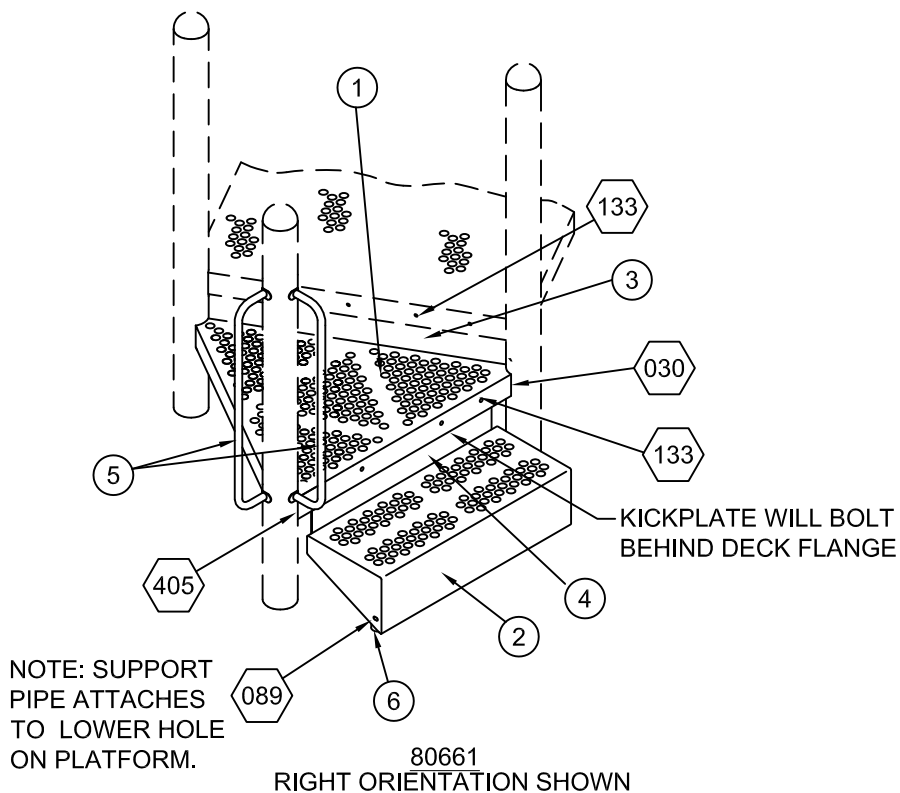
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

 = INSTALLATION  
DETAIL

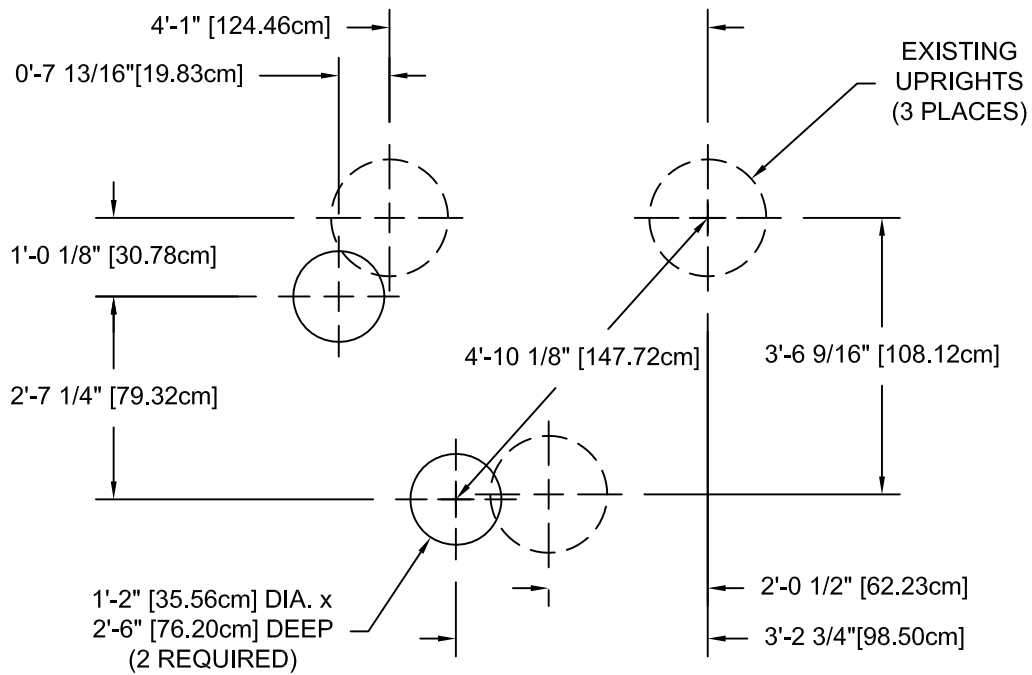
 = PARTS LIST  
REFERENCE

## **INSTALLATION INSTRUCTIONS**

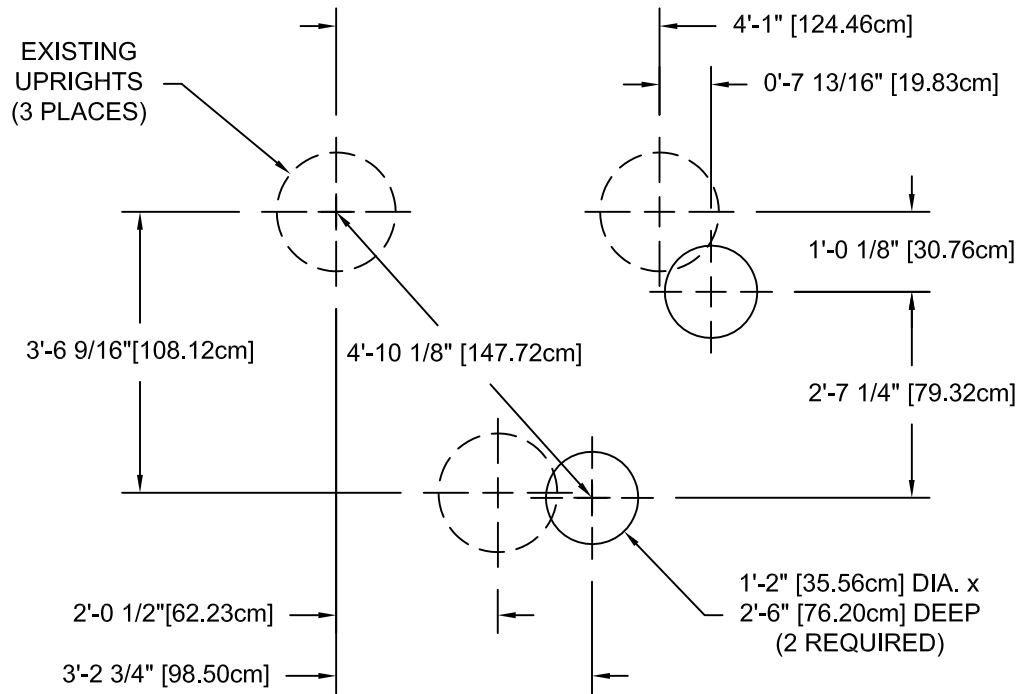
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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



## **ASSEMBLY DRAWING**



LEFT ORIENTATION SHOWN

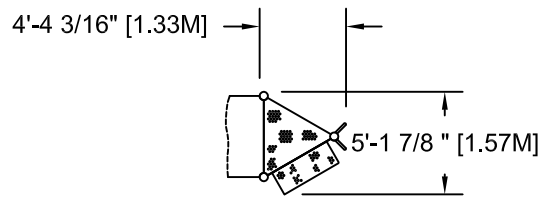


RIGHT ORIENTATION SHOWN

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

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

## **GROUND PLANS**



### **TOP VIEW**

### ***PARTS LIST***

<b>REF NO.</b>	<b>DESCRIPTION</b>	<b>NO. REQ'D.</b>	<b>PART NUMBER</b>
1	Triangle Deck	1	163317
2	8" Modular Platform	1	158921
3	Formed Kick Plate	1	153544
4	Flat Kick Plate	1	207050
5	Handhold	2	211395
6	Modular Platform Support Pipe	2	168470
	<i>Hardware Complete</i>	1	207058
	3/8" Flatwasher	8	817410*
	3/8" Lockwasher	32	817334*
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	8	812051*
	3/8" x 1" P.B.H.C.S. w/Patch	16	812050*
	3/8" Flatwasher	24	817424*
	3/8" T-Nut	2	804556*
	3/8" x 2" P.B.H.C.S. w/Patch	2	812055*
	3/8" Hex Nut	16	804053*
	3/8" x 1 1/2" P.B.H.C.S.	6	810053*

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

*\* Included in Hardware*

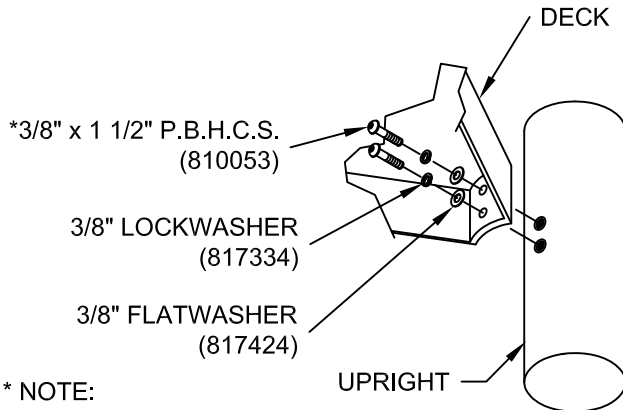
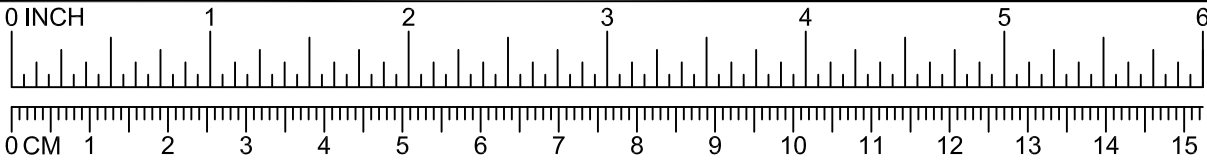
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.**

# DETAILS -for- 80688

## IMPORTANT

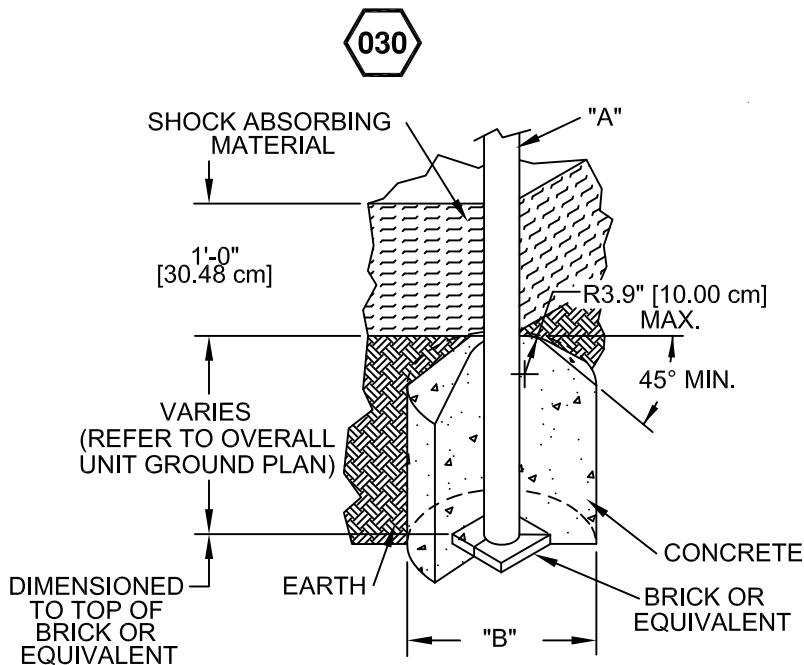
**TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.**

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



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

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



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

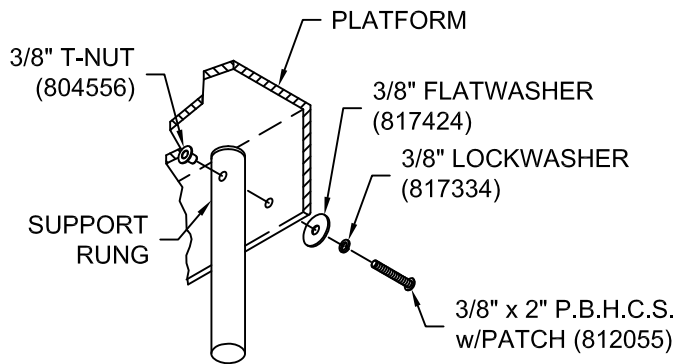
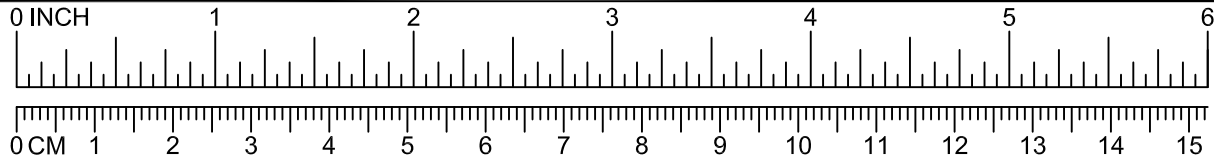
SHOCK ABSORBING PROPERTIES OF SURFACING  
MATERIALS VARY. IF YOU DETERMINE THAT LESS  
THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED,  
MAKE UP THE DIFFERENCE IN ELEVATION WITH  
EARTH, BEFORE APPLYING SURFACING.

# DETAILS -for- 80688

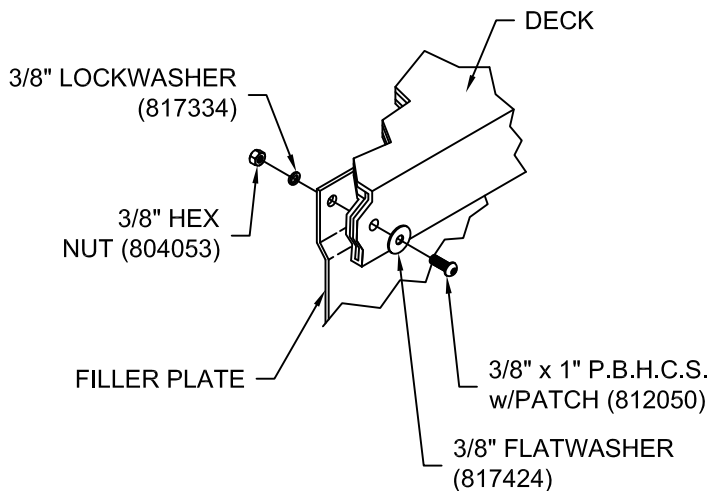
## IMPORTANT

**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.**

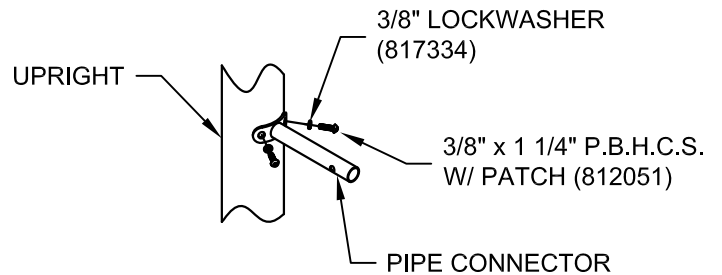
**NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.**



089



133



405

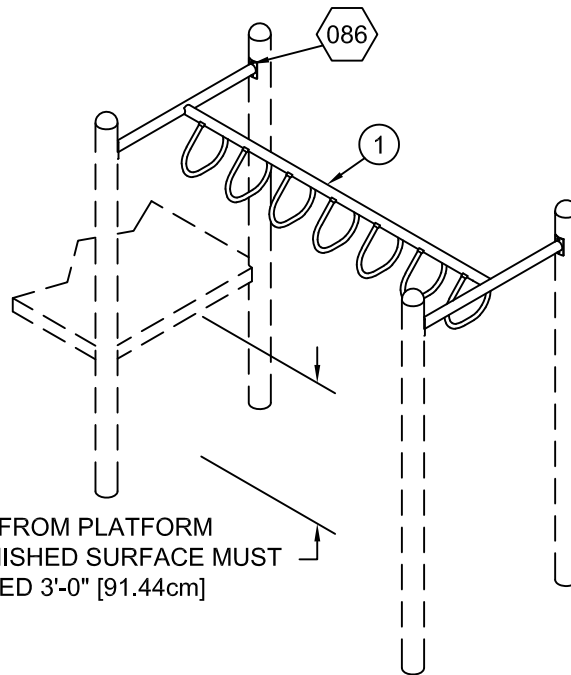
# STRAIGHT HORIZONTAL LOOP LADDER

⬡ = INSTALLATION  
DETAIL

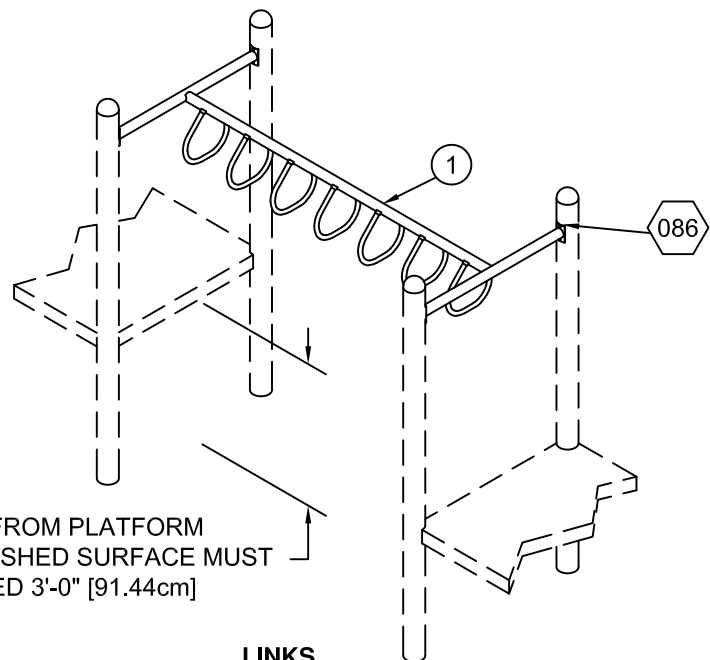
○ = PARTS LIST  
REFERENCE



**Link (2 Deck Span) 81510**  
**Link (3 Deck Span) 81515**



**ATTACHMENTS**



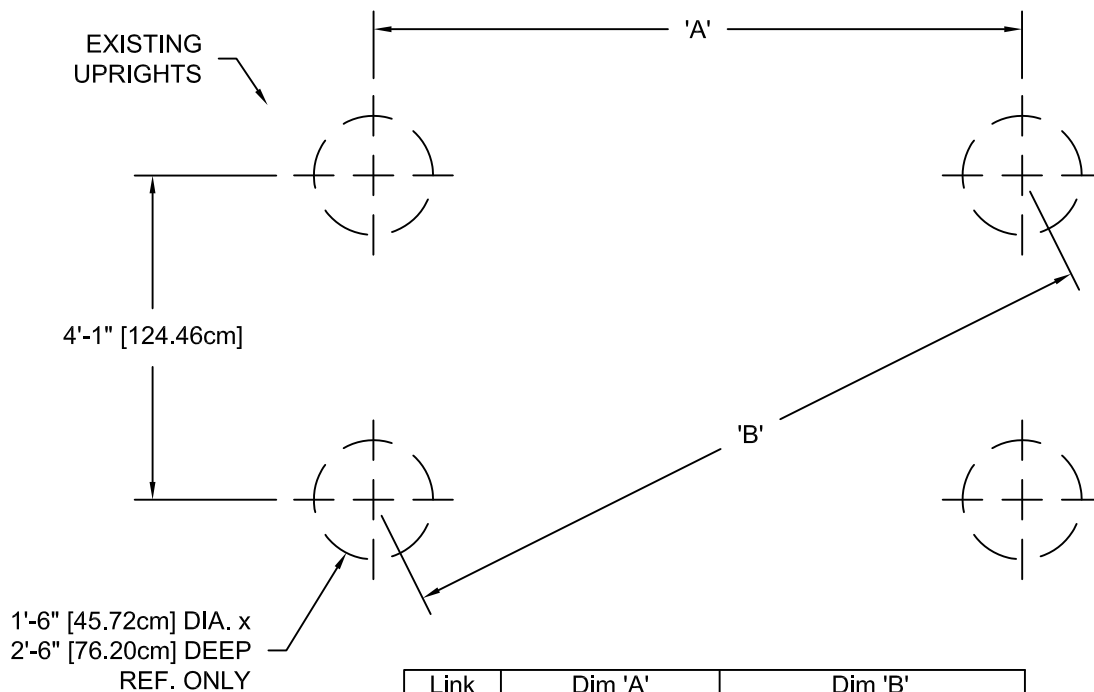
**LINKS**

## INSTALLATION INSTRUCTIONS

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

## ASSEMBLY DRAWINGS

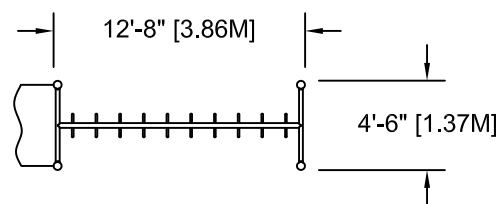
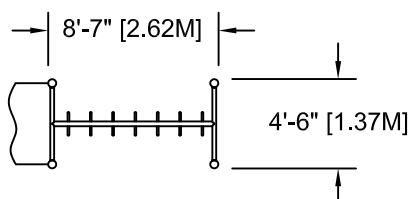
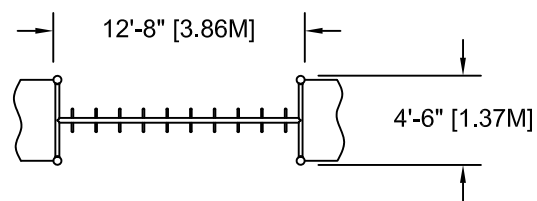
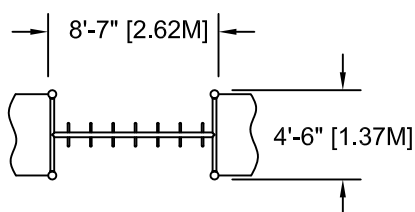




Link	Dim 'A'	Dim 'B'
81510	8'-2" [248.92cm]	9'-1 9/16" [278.30cm]
81515	12'-3" [373.38cm]	12'-10 15/16" [393.58cm]

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

### **GROUND PLANS**



### **TOP VIEWS**

## ***PARTS LIST***

REF NO.	DESCRIPTION			PART NUMBER
		81510	81515	
1	Straight Horizontal Loop Ladder (98")	1	0	160430
1	Straight Horizontal Loop Ladder (147")	0	1	160481
	<i>Hardware Complete</i>	1	1	164706
	3/8" x 1" P.B.H.C.S. w/Patch	8	8	812050*
	3/8" Lockwasher	8	8	817334*
	3/8" Flatwasher	8	8	817410*

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

*\* Included in Hardware*

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

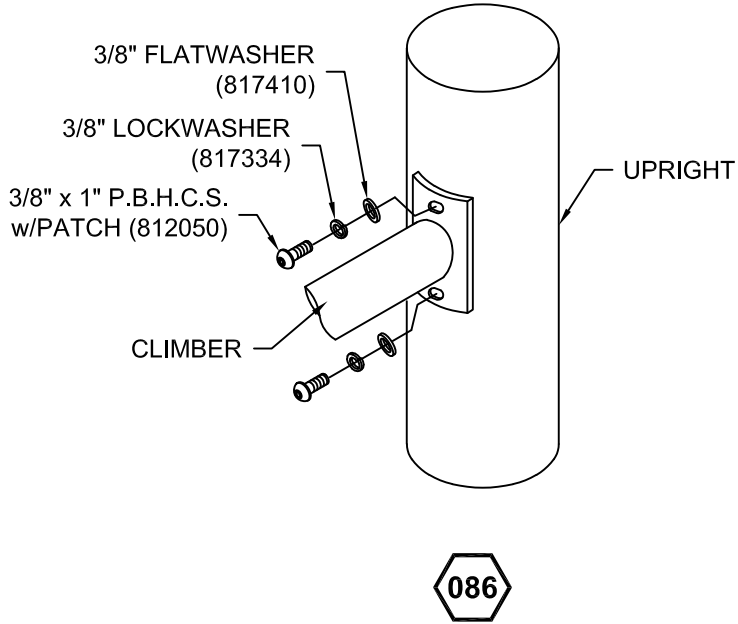
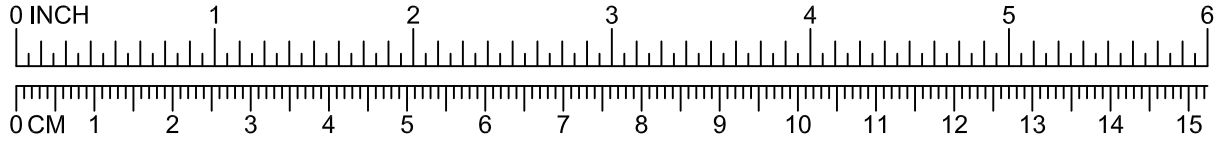
***Note: Loctite (supplied by others) should be used on all threaded hardware.***

# DETAILS -for- 81510 & 81515

## IMPORTANT

**To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.**

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

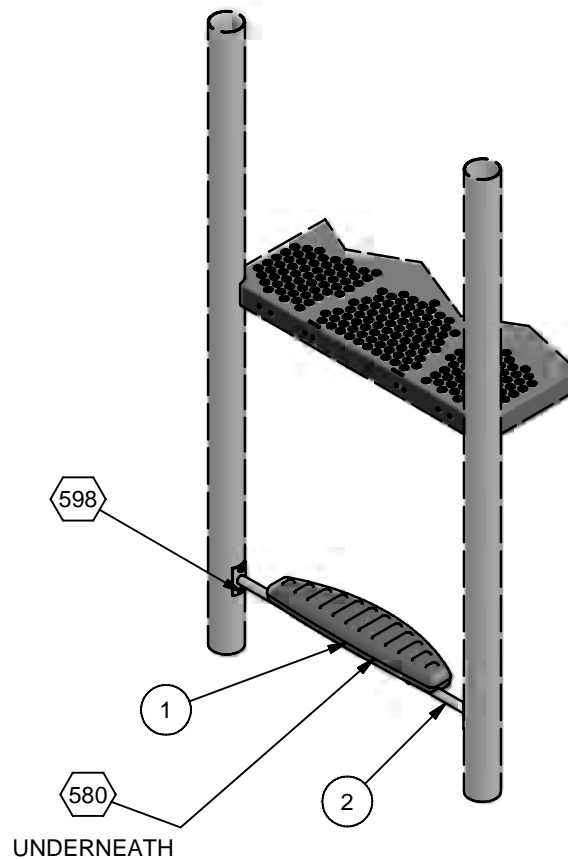


 = INSTALLATION  
= DETAIL

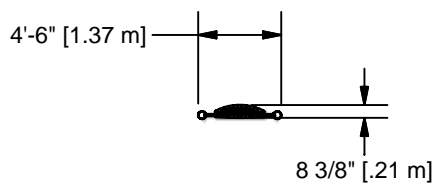
 = PARTS LIST  
= REFERENCE

## 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**



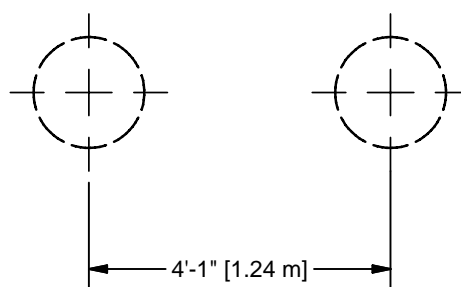
**TOP VIEW**

PARTS LIST			
REF No.	DESCRIPTION	QTY	PART NUMBER
1	NATURE DISCOVERY TABLE SEAT	1	179945
2	SEAT FRAME WELD ASS'Y	1	200041
	<b>HARDWARE COMPLETE</b>	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**

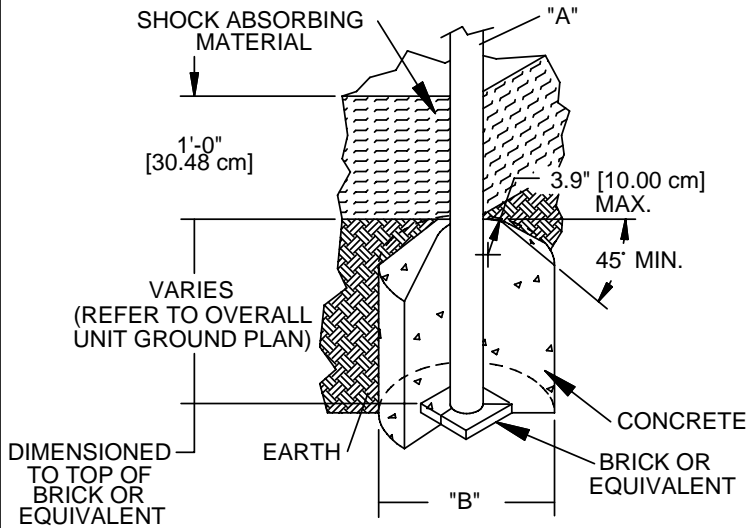
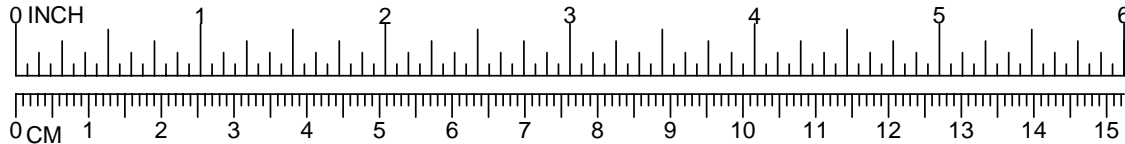
# DETAILS -for- 81666

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.



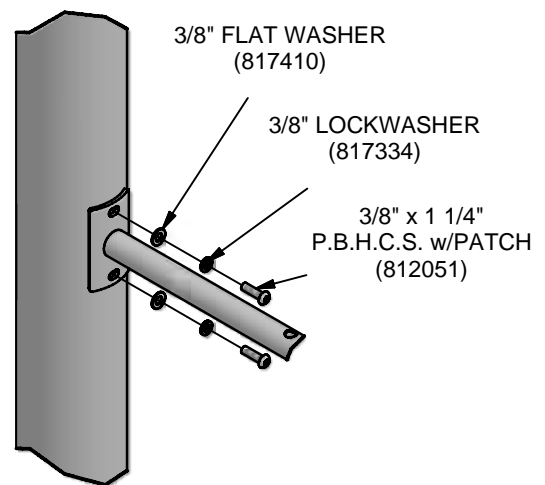
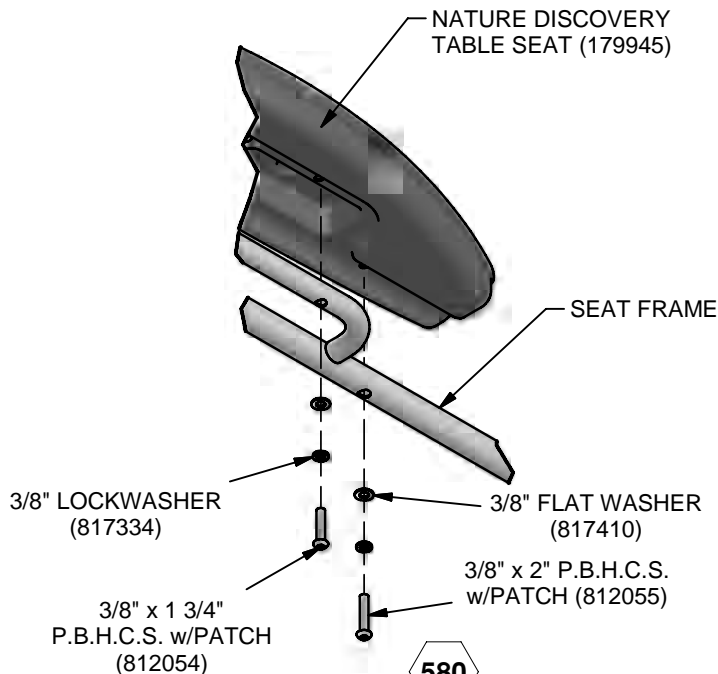
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



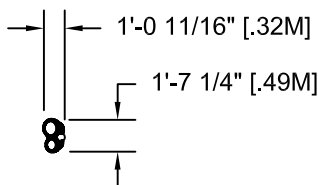
 = INSTALLATION  
DETAIL

 = PARTS LIST  
REFERENCE

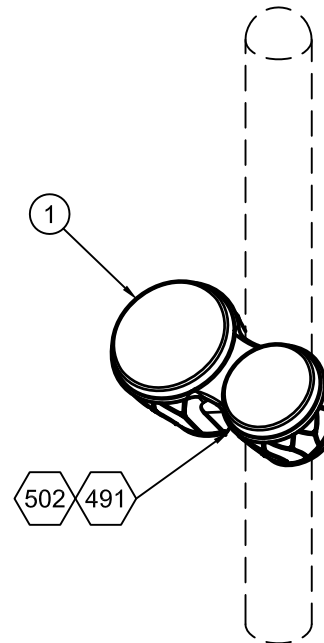
## **INSTALLATION INSTRUCTIONS**

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

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



**TOP VIEW**



**ASSEMBLY DRAWING**

## **PARTS LIST**

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Bongos	1	177954
	Hardware Complete	1	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.**

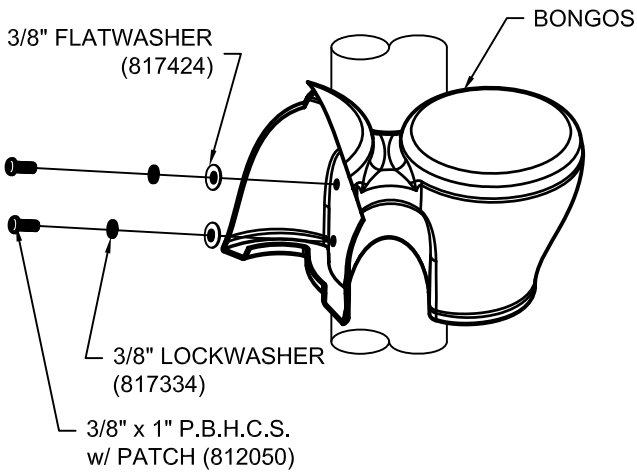
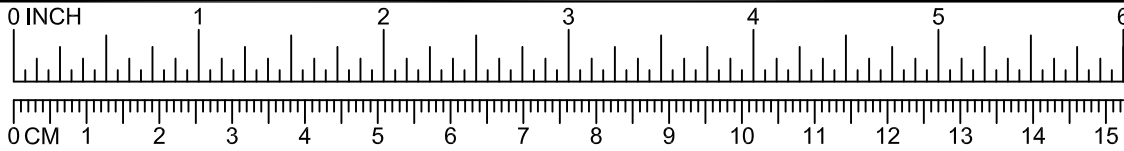
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

**DETAILS -for-  
81699**

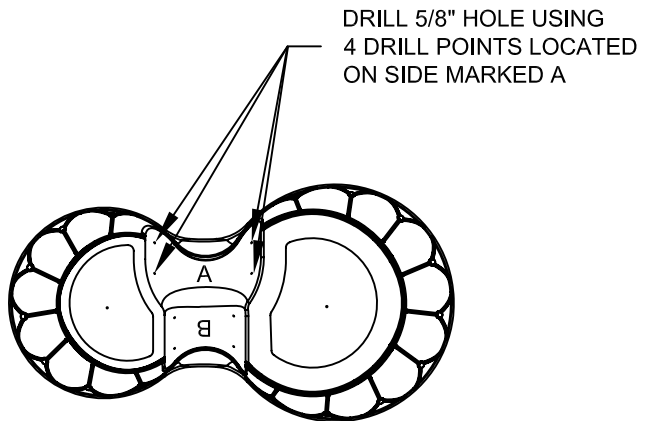
**IMPORTANT**

**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







Enriching Childhood Through Play™

1-800-235-2440

# 81750 ZERO-G CHAIR

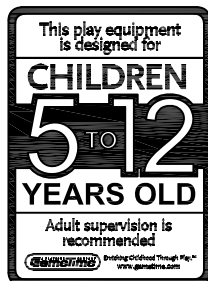
ISSUED/REVISED: 05/18/2023

 = INSTALLATION  
DETAIL  
 = PARTS LIST  
REFERENCE

5" O.D. x 8' TOPRAIL

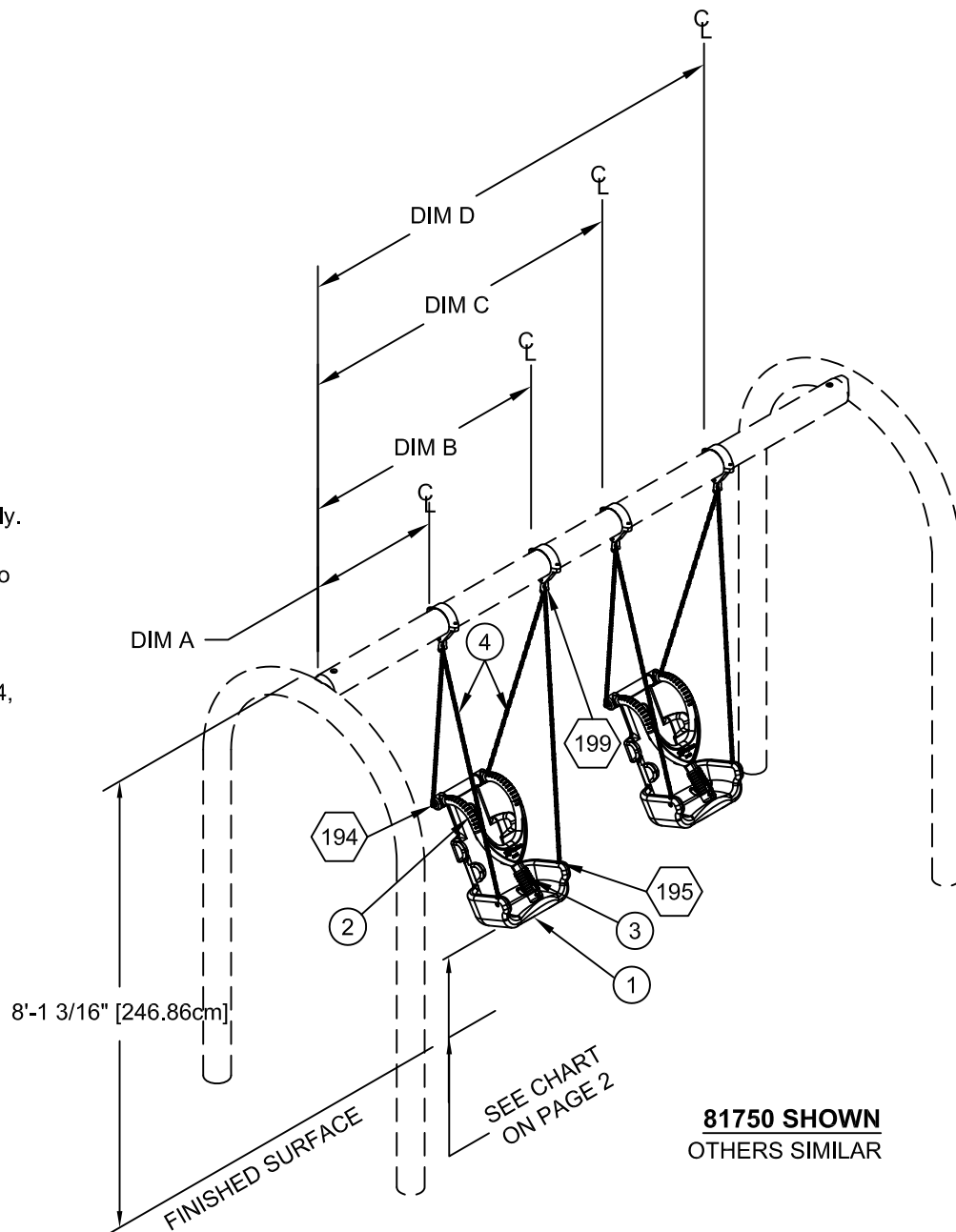
GALV. CHAIN  
81750

STAINLESS STEEL CHAIN  
SS1750



## INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Before connecting Detail 194, remove 3/8" x 3/4" hex bolts from chair and discard. Attach chain to chair using Detail 194.



DIM	11' LONG TOP RAIL	12' LONG TOP RAIL
A	2'-3 5/8" [70.17cm]	2'-9 5/8" [85.41cm]
B	4'-7 5/8" [141.29cm]	5'-1 5/8" [156.53cm]
C	6'-4 3/8" [194cm]	6'-10 3/8" [209.24cm]
D	8'-8 3/8" [265.12cm]	9'-2 3/8" [28.36cm]

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	300mm [11.81"]	N/A
ASTM	12" [305mm]	N/A
BS EN	350 mm [13.77"]	N/A
CPSC	12" [305mm]	N/A

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

### PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.		PART NUMBER
		81750	SS1750	
1	Zero G Chair Assembly	1	1	178803
2	Seat Brace (Yellow)	1	1	214731**
3	Seat Latch (Yellow)	1	1	178343**
	Hardware Complete	1	0	178876
	Hardware Complete	0	1	178877
4	Galv. Chain, 122 3/4" Lg.	2	0	178807
4	S.S. Chain, 122 3/4" Lg.	0	2	178808
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	2	2	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/Patch	2	2	812054*
	3/8" Lockwasher	4	4	817334*
	3/8" Flatwasher	2	2	817410*
	3/8" Flatwasher (1 1/4" O.D.)	8	8	817424*
	3/8" Barrel Nut	2	2	804804*
	Swing Hanger	2	2	1487*
	Spacer	2	2	179390*

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

*\* Included in Hardware      \*\* Included in Seat Assembly*

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

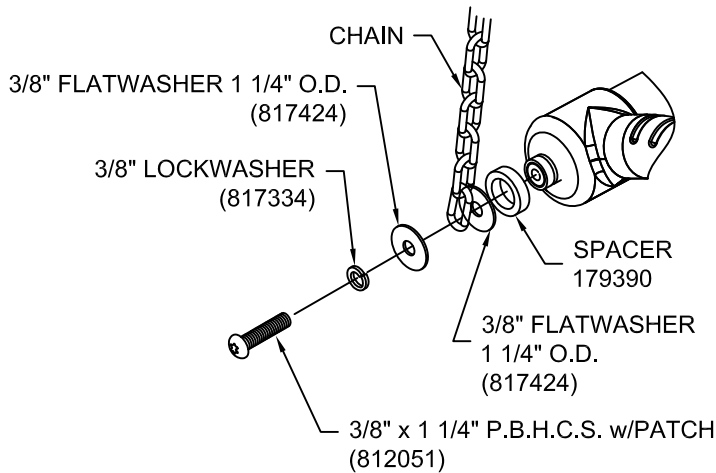
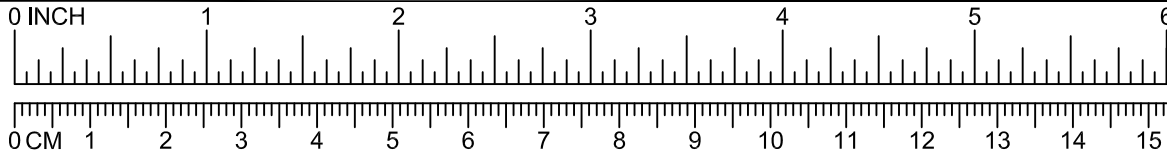
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# DETAILS -for- 81750

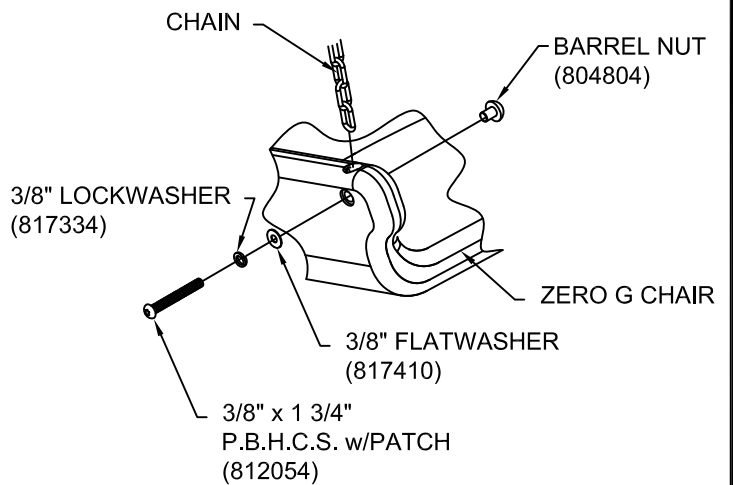
## IMPORTANT

**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.**

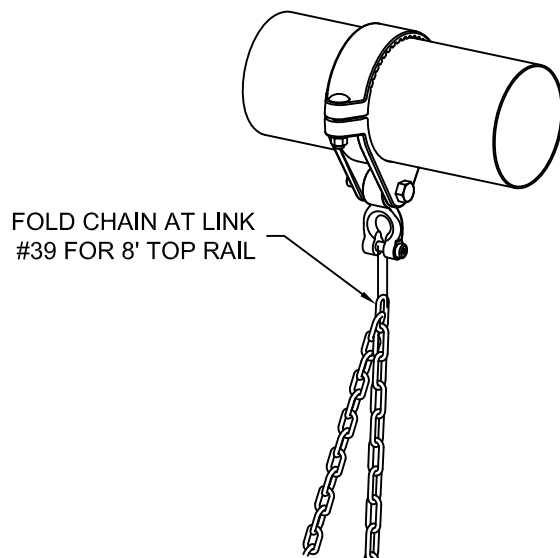
**NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.**



194



195



199

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 4/5/2021

90018

### ARCHWAY



90018  
2'-6"  
OR  
BELOW

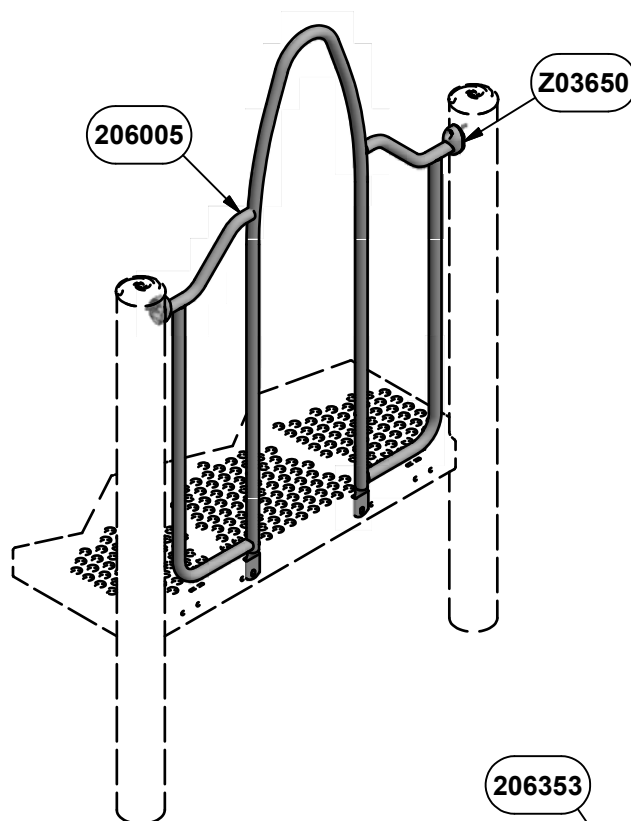


90019

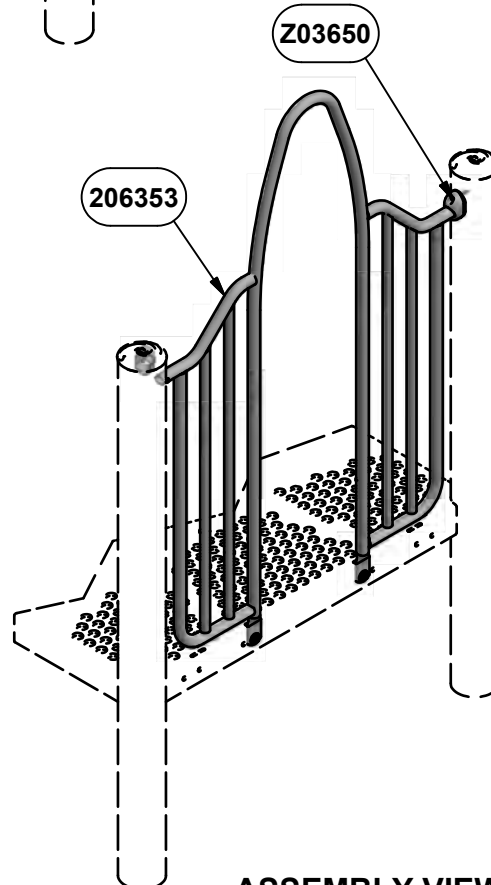


90018  
4'-0"  
OR  
BELOW

GUARDRAIL 90018  
BARRIER 90019



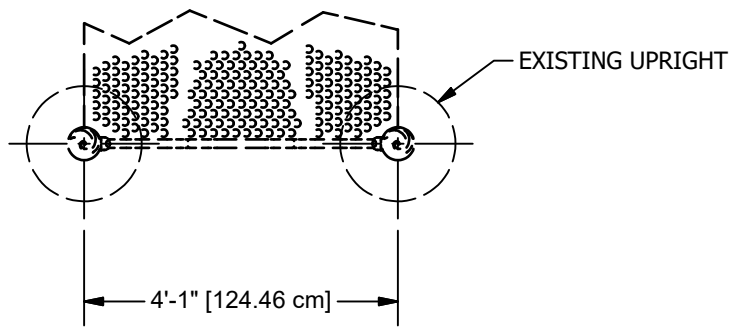
**ASSEMBLY VIEW**  
**90018**



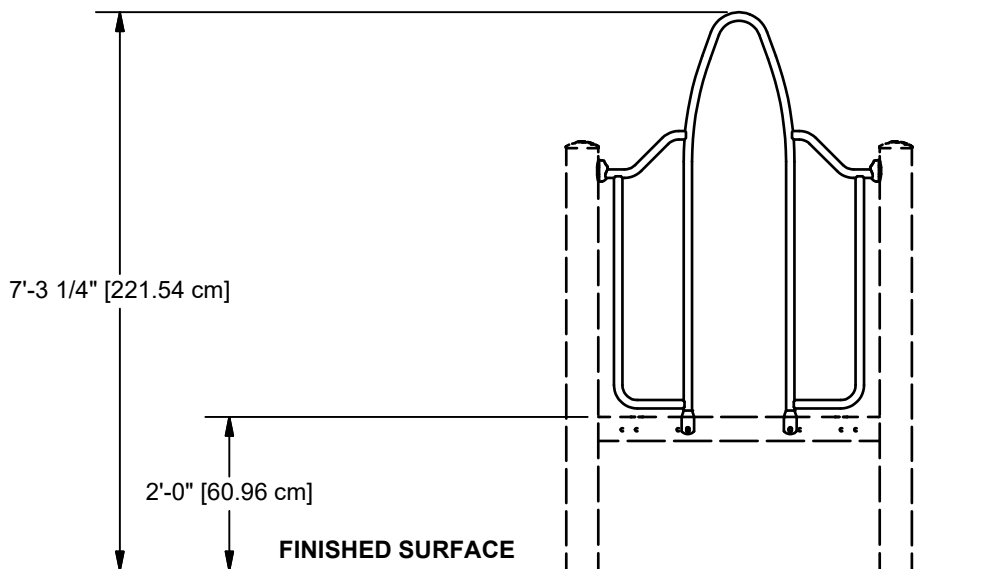
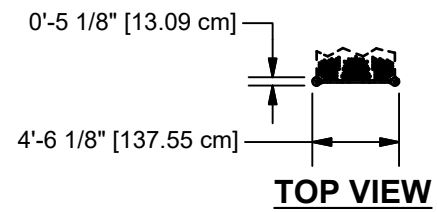
**ASSEMBLY VIEW**  
**90019**

## INSTALLATION INSTRUCTIONS

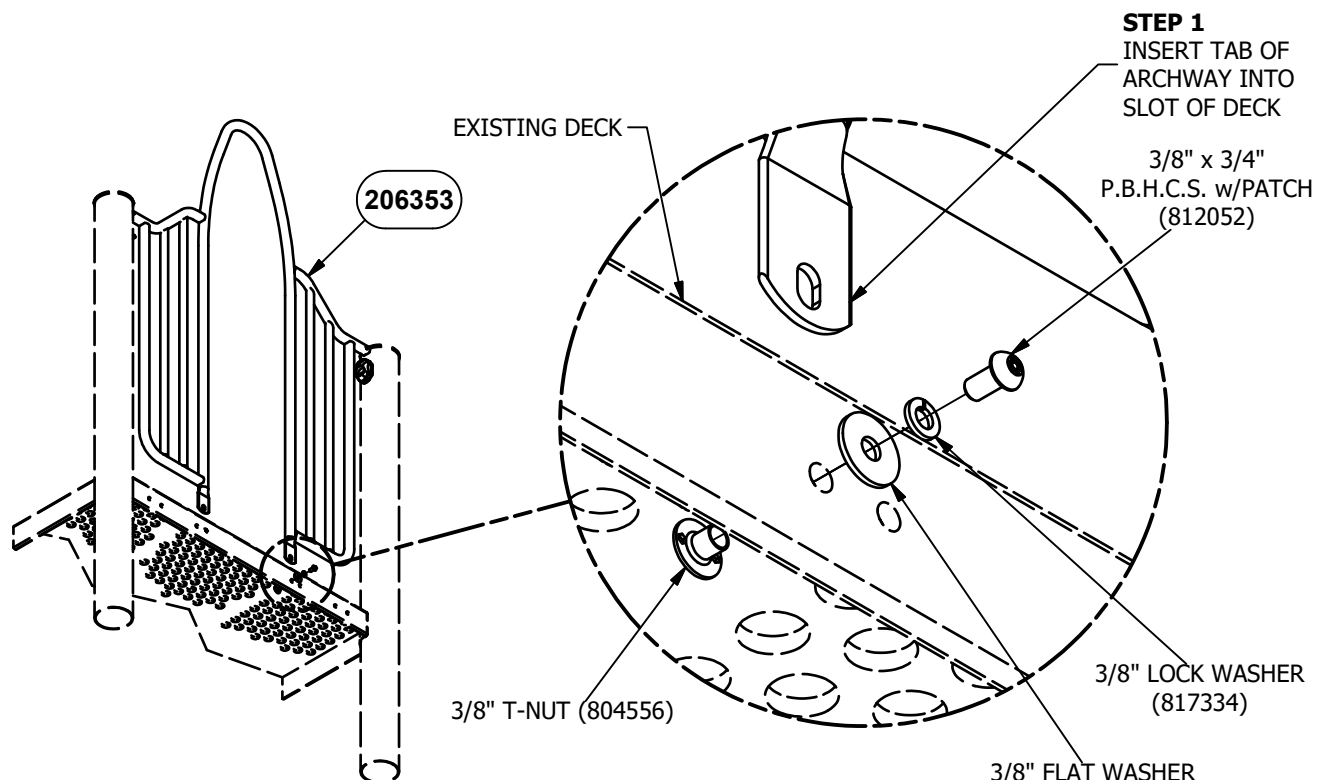
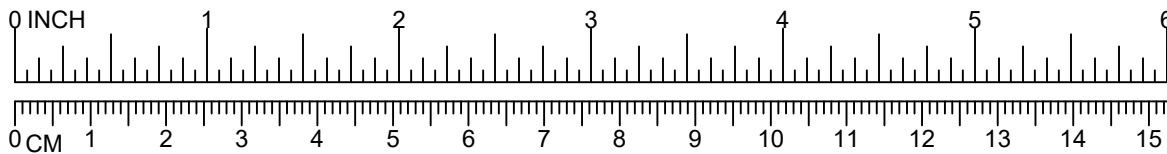
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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



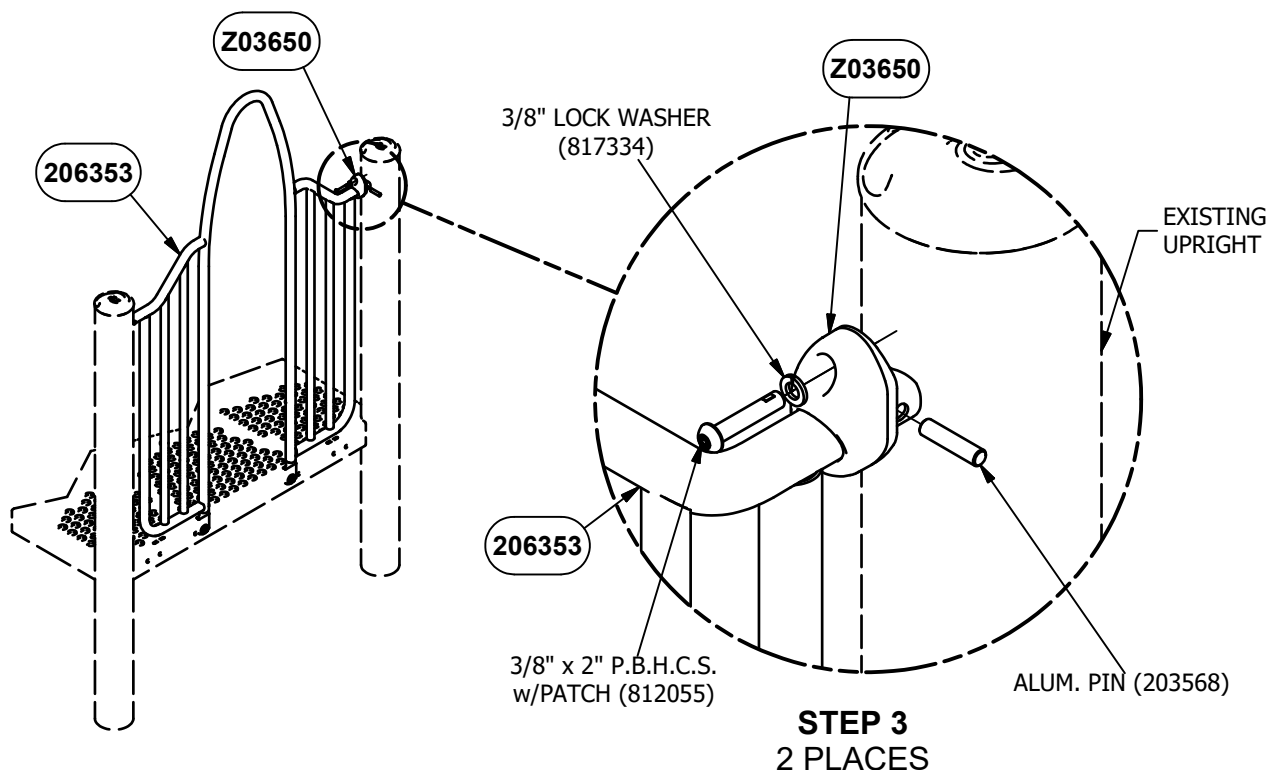
**PLAN VIEW**



**ELEVATION VIEW**  
90018 SHOWN  
OTHER SIMILAR



**STEP 2**  
2 PLACES



**STEP 3**  
2 PLACES

**DETAIL VIEW**

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

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

*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: 8/17/23

### 90020

## TRANSFER SYSTEM WITH BARRIER

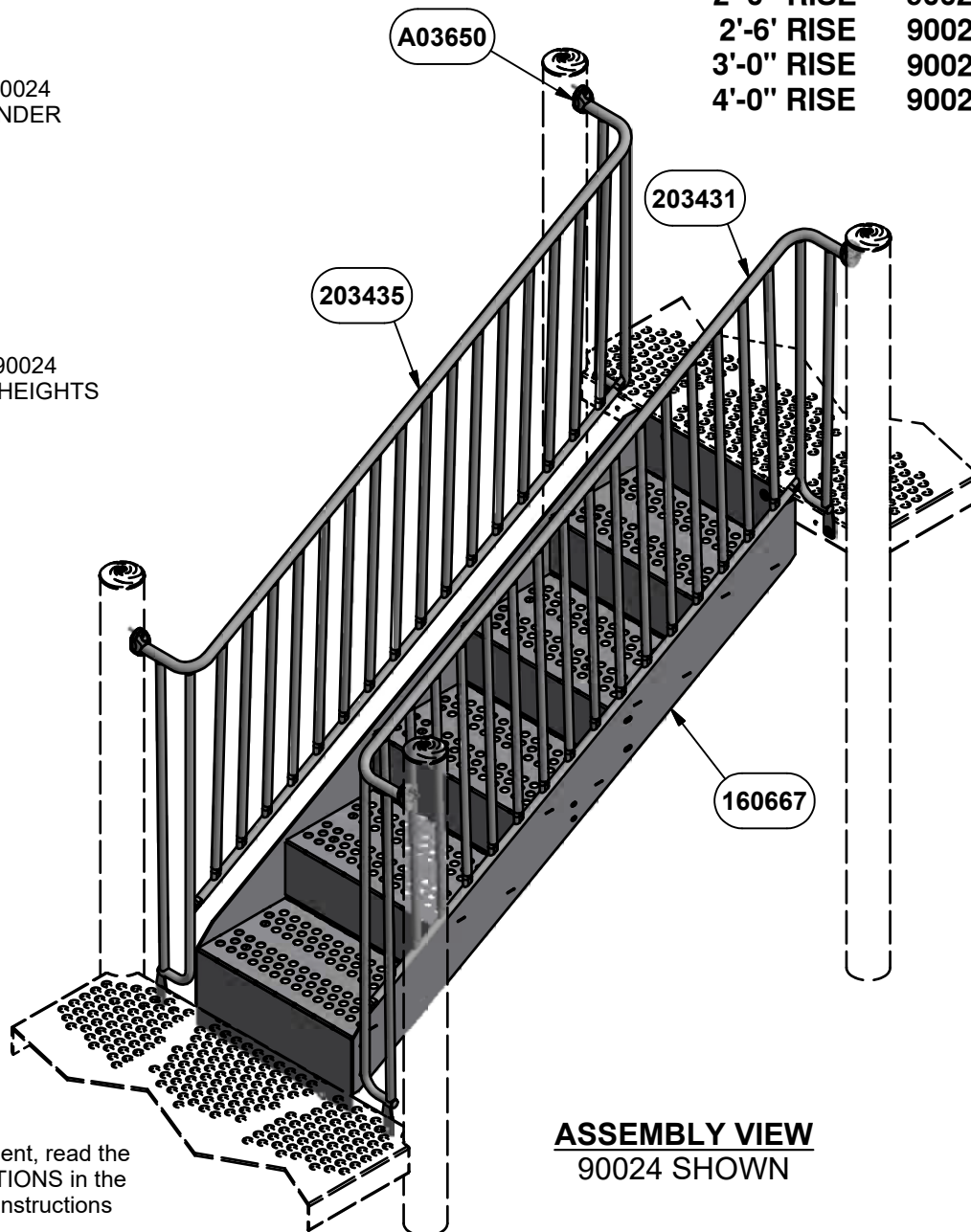


90020-90024  
5'-0" & UNDER



90020-90024  
ALL DECK HEIGHTS

1'-0" RISE	90020
2'-0" RISE	90021
2'-6" RISE	90022
3'-0" RISE	90023
4'-0" RISE	90024

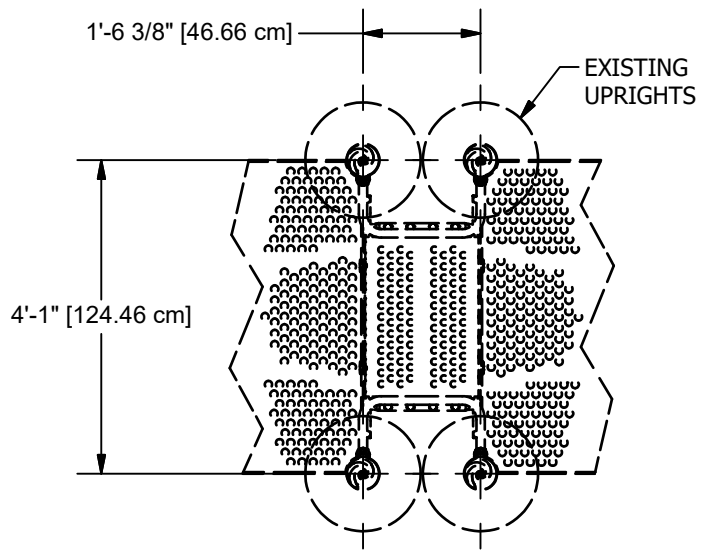


### INSTALLATION INSTRUCTIONS

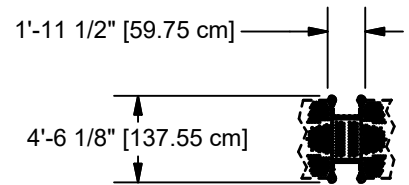
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (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**  
**90024 SHOWN**

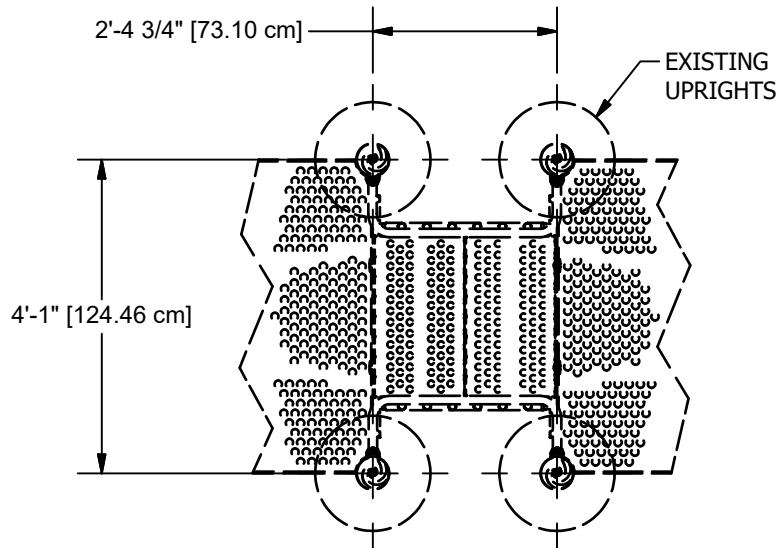




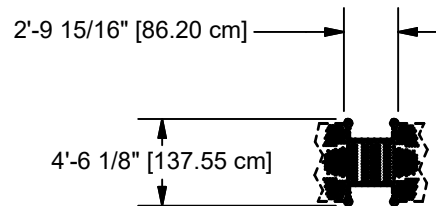
**PLAN VIEW**  
90020



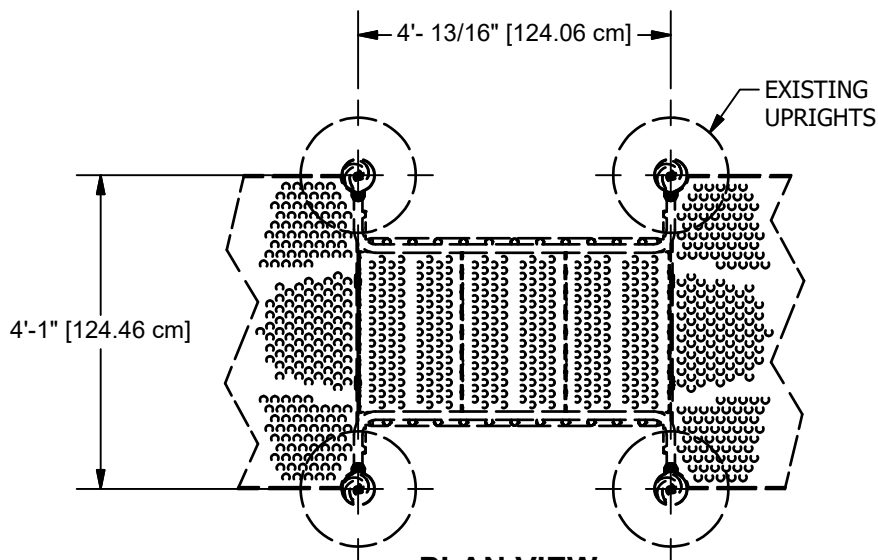
**TOP VIEW**  
90020



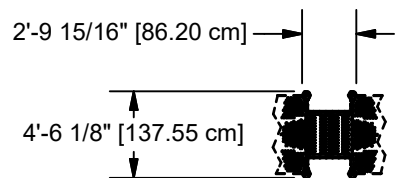
**PLAN VIEW**  
90021



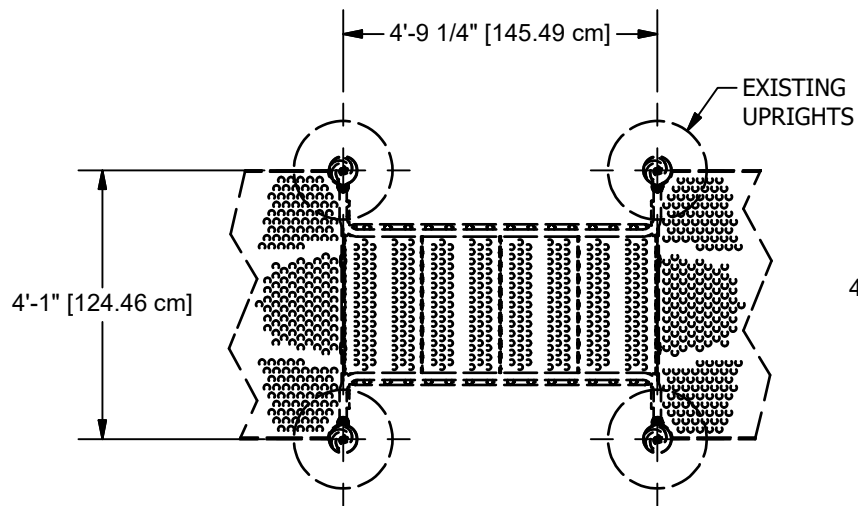
**TOP VIEW**  
90021



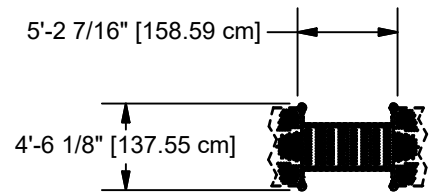
**PLAN VIEW**  
90022



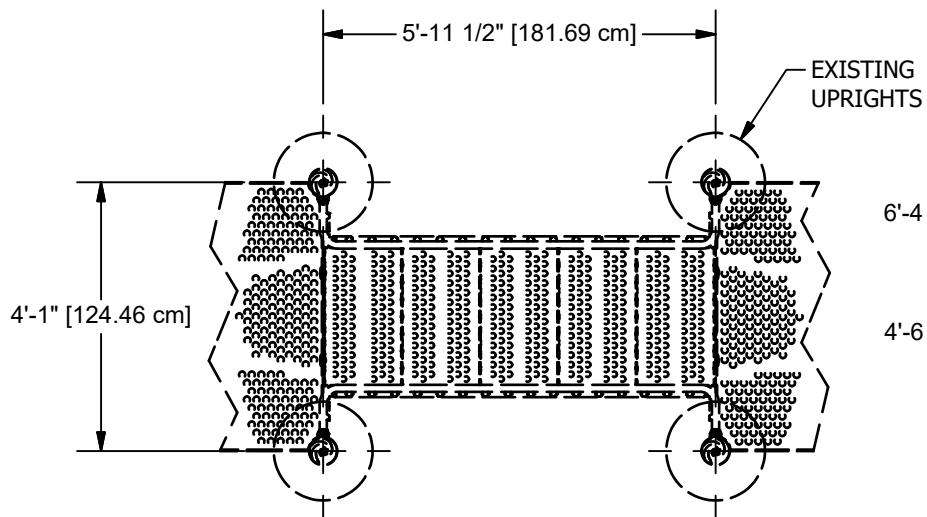
**TOP VIEW**  
90022



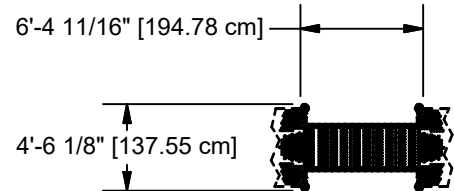
**PLAN VIEW**  
90023



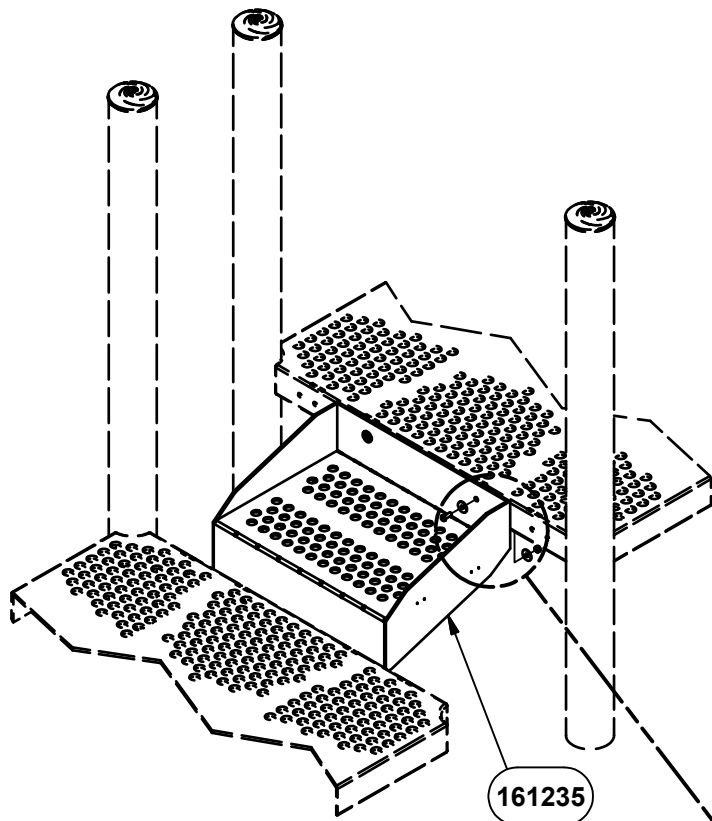
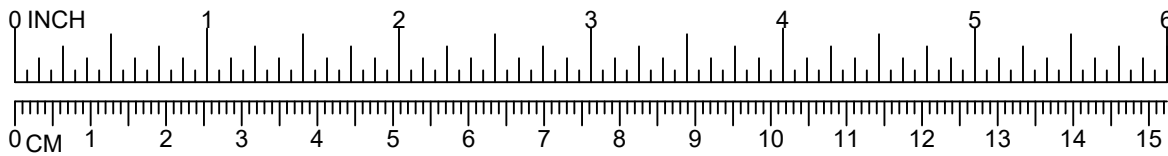
**TOP VIEW**  
90023



**PLAN VIEW**  
90024

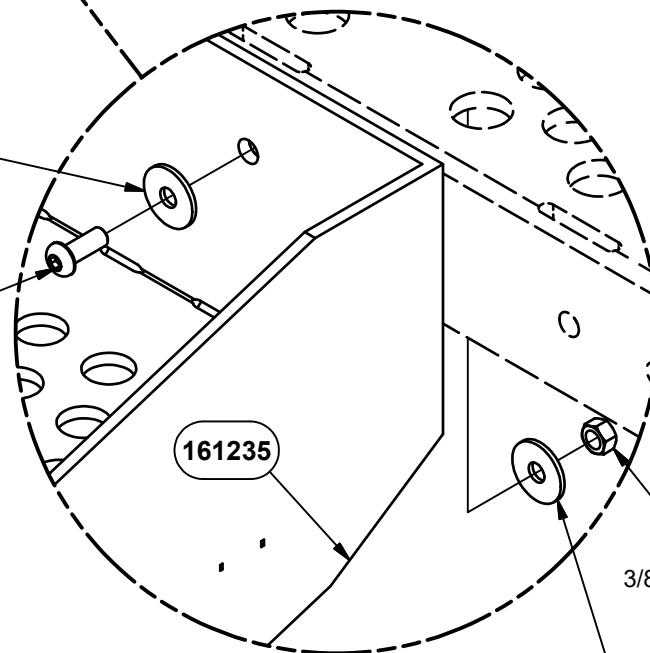


**TOP VIEW**  
90024



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

3/8" x 1" P.B.H.C.S.  
w/PATCH (812050)



**STEP 1**  
4 PLACES

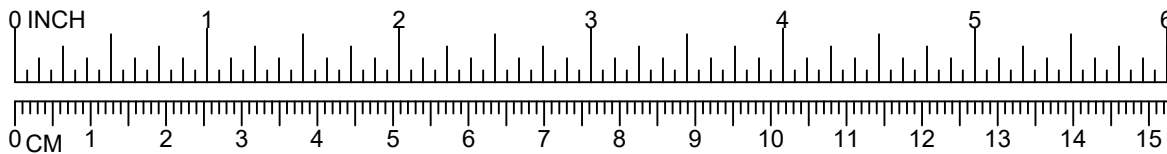
3/8" FLAT WASHER  
(1 1/4" O.D.) (817424)

3/8" LOCK NUT  
(804353)

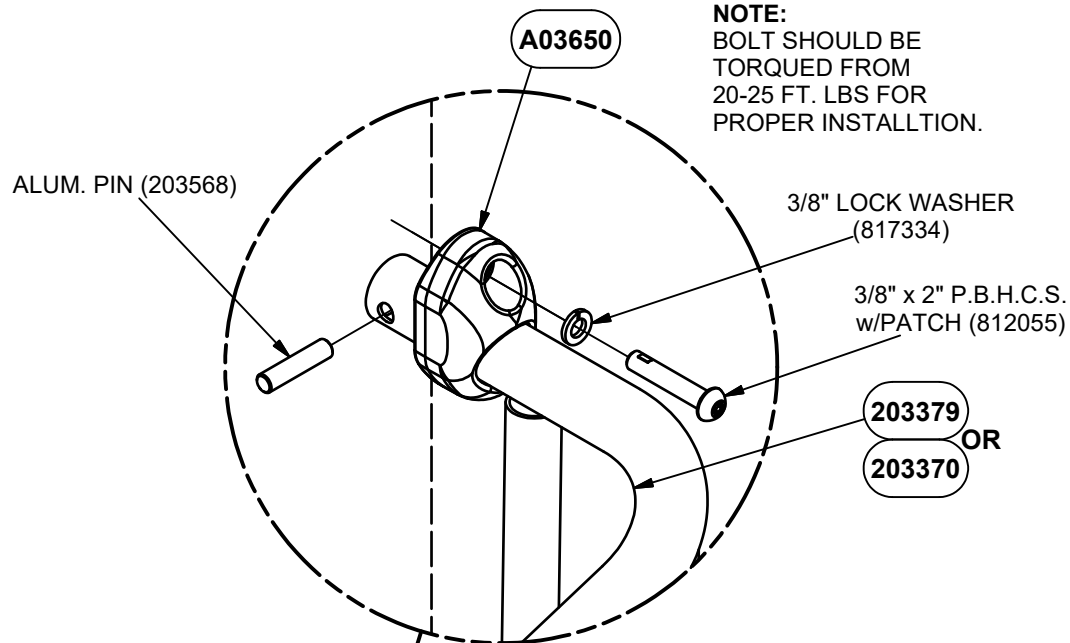
**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE  
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW**

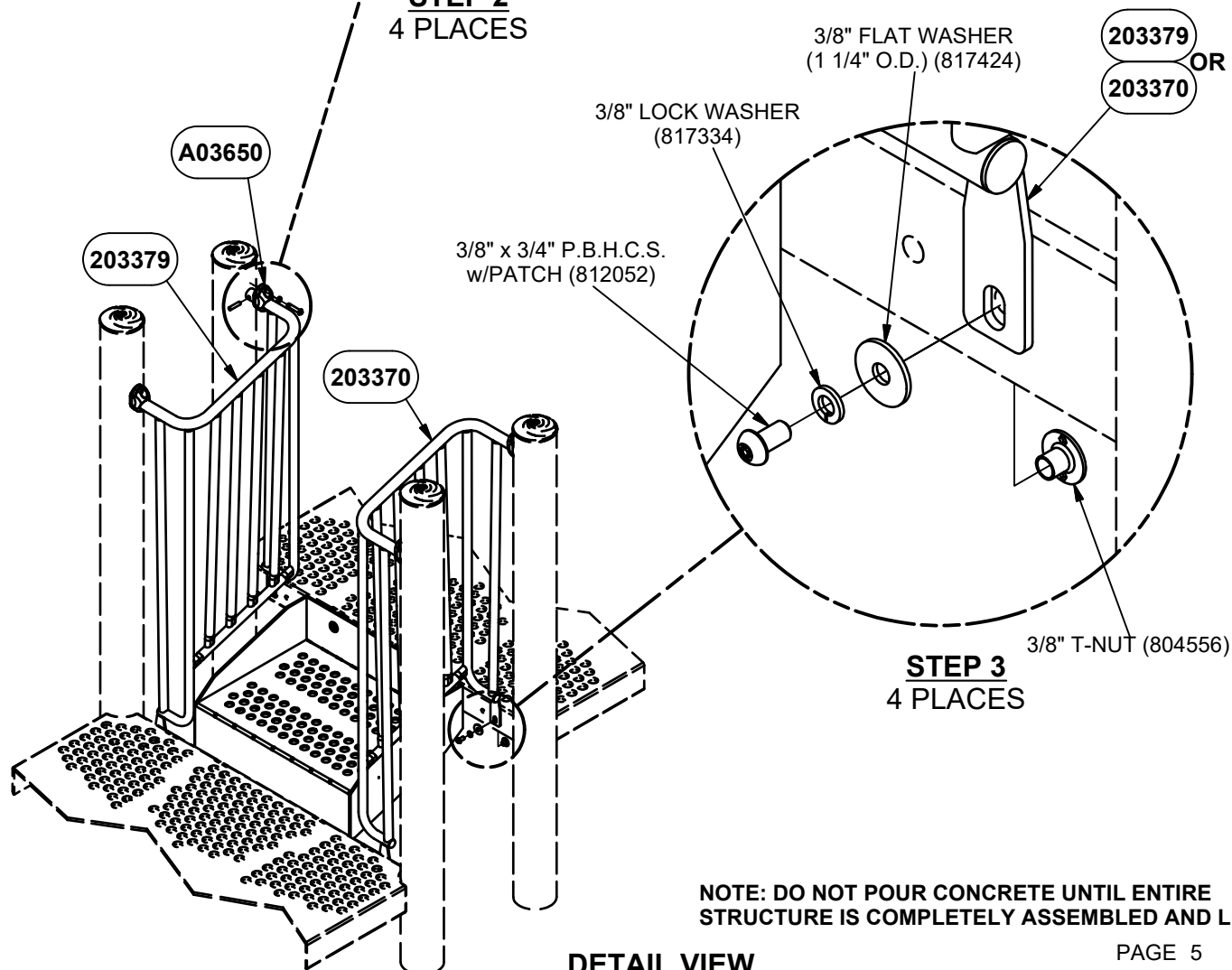
PAGE 4



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



**STEP 2**  
4 PLACES



**STEP 3**  
4 PLACES

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

**DETAIL VIEW**

Parts List						
DESCRIPTION	90020	90021	90022	90023	90024	PART NUMBER
TRU-LOC	4	4	4	4	4	A03650
1' COATED STEPLINK	1	0	0	0	0	161235
2' STEP ASSEMBLY	0	1	0	0	0	160670
2'-6' STEP ASSEMBLY	0	0	1	0	0	167494
3' STEP ASSEMBLY	0	0	0	1	0	161371
4' STEP ASSEMBLY	0	0	0	0	1	160667
RIGHT BARRIER WELD ASSEMBLY	1	0	0	0	0	203370
RIGHT BARRIER WELD ASSEMBLY	0	1	0	0	0	203384
RIGHT BARRIER WELD ASSEMBLY	0	0	1	0	0	203397
RIGHT BARRIER WELD ASSEMBLY	0	0	0	1	0	203417
RIGHT BARRIER WELD ASSEMBLY	0	0	0	0	1	203431
LEFT BARRIER WELD ASSEMBLY	1	0	0	0	0	203379
LEFT BARRIER WELD ASSEMBLY	0	1	0	0	0	203392
LEFT BARRIER WELD ASSEMBLY	0	0	1	0	0	203411
LEFT BARRIER WELD ASSEMBLY	0	0	0	1	0	203425
LEFT BARRIER WELD ASSEMBLY	0	0	0	0	1	203435
<b>HARDWARE COMPLETE</b>	1	1	1	1	1	223320
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	4	4	812050*
3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	4	812055*
3/8" FLAT WASHER (1 1/4" O.D.)	12	12	12	12	12	817424*
3/8" LOCK WASHER	8	8	8	8	8	817334*
3/8" LOCK NUT	4	4	4	4	4	804353*
3/8" T-NUT	4	4	4	4	4	804556*
ALUM. PIN	4	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 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®



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/29/21

## 90218 RUNG ENCLOSURE (BARRIER)

⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

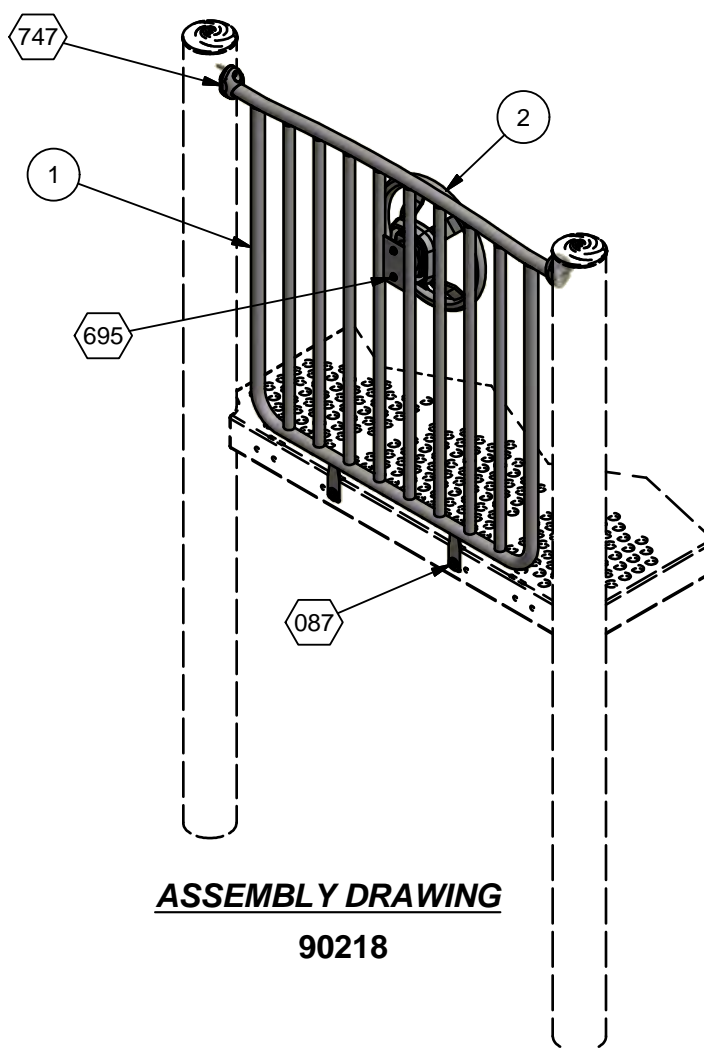


90218 & 90496  
UP TO 5'-0"



90218 & 90496  
UP TO 9'-0"

w/ MOLDED STEERING WHEEL (ABOVE DECK) 90218  
w/ SOLID STEERING WHEEL (ABOVE DECK) 90496

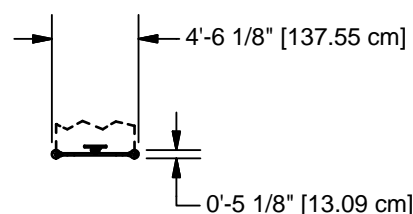


**ASSEMBLY DRAWING**

**90218**

### INSTALLATION INSTRUCTIONS

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



**TOP VIEW**

Parts List				
REF.	DESCRIPTION	90218	90496	PART NUMBER
1	RUNG ENCLOSURE	1	1	204228
2	STEERING WHEEL ASSEMBLY	1	0	163235
2	SOLID STEERING WHEEL ASSEMBLY	0	1	141129
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	1	204263
	ALUM. PIN	2	2	203568*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" FLAT WASHER	2	2	817410*
	3/8" LOCK WASHER	6	6	817334*
	3/8" ACORN NUT	2	2	804002*
	3/8" T-NUT	2	2	804556*

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

*\* Included in Hardware*

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

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

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

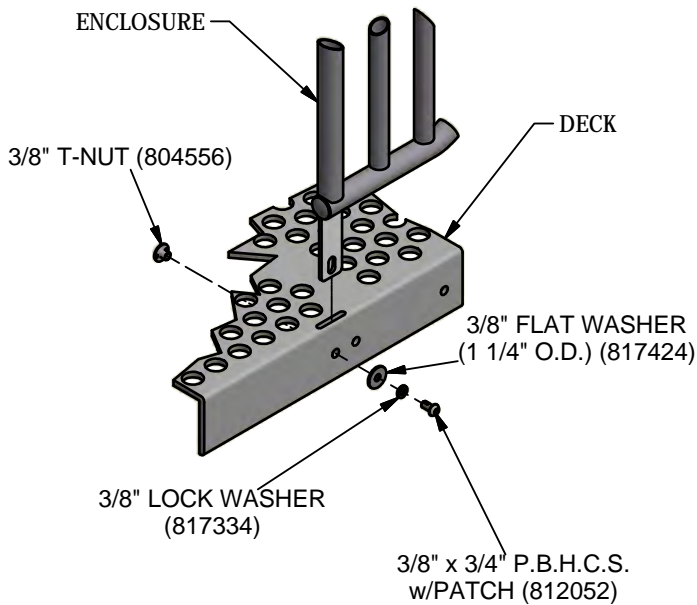
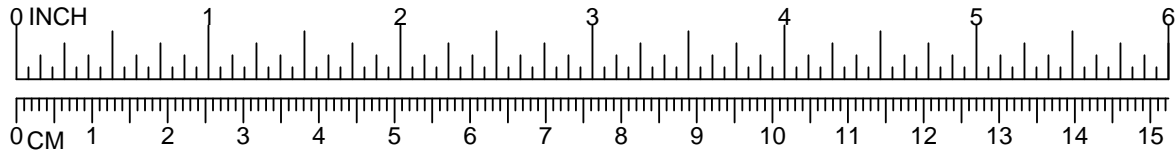
## DETAILS -for- 90218 & 90496

### IMPORTANT

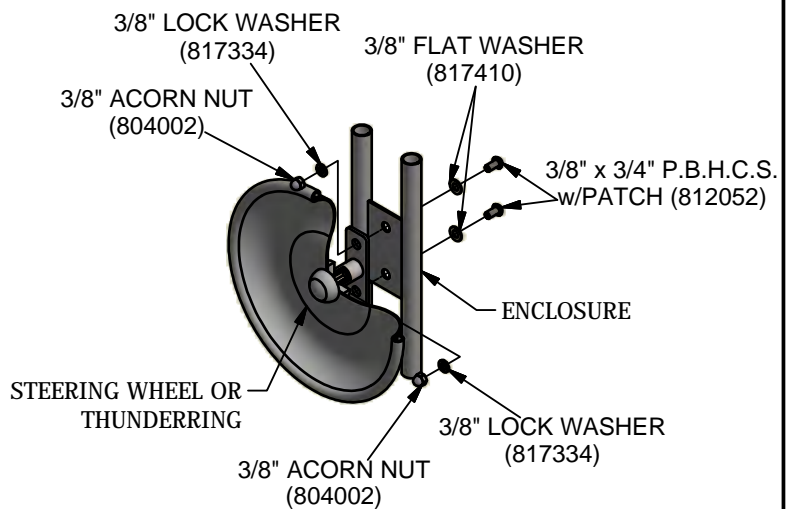
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



695



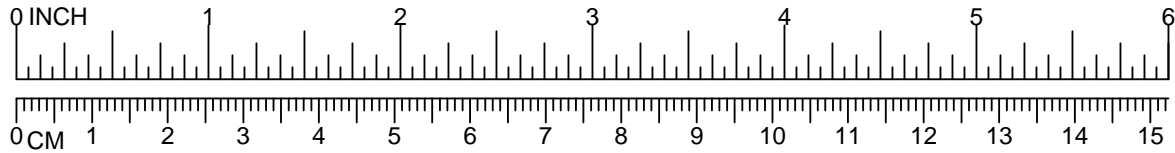
## DETAILS -for- 90218 & 90496

### IMPORTANT

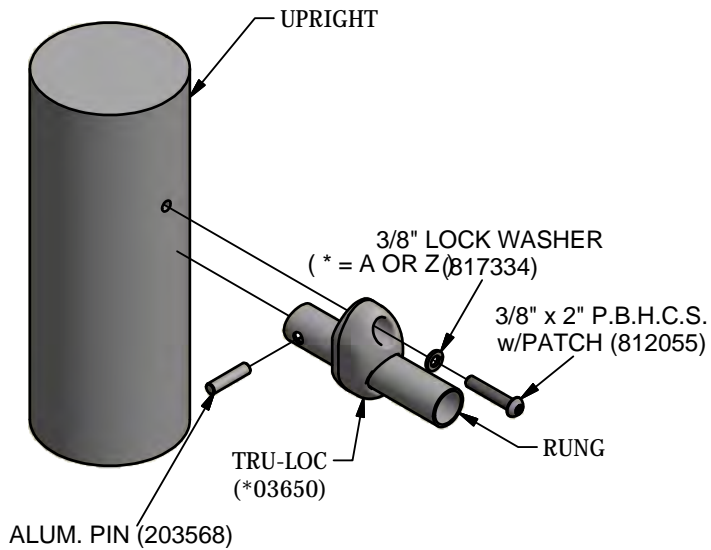
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



747

# PowerScape®

## GameTime®

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1-800-235-2440

ISSUED/REVISED: 5/1/19

# 90317 TOAD STOOL CLIMBER

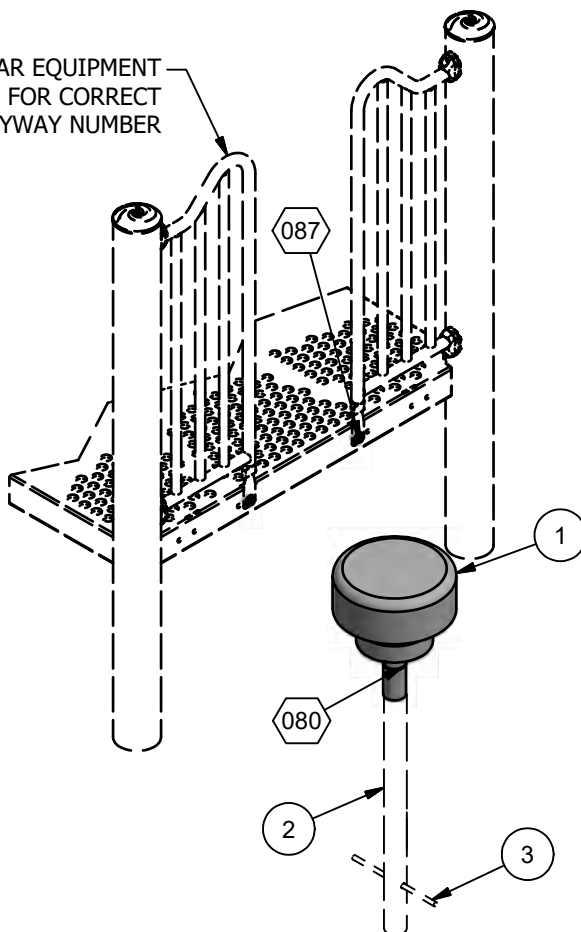
⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

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



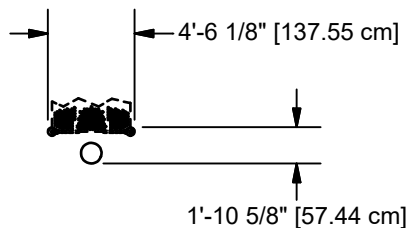
REFER TO MODULAR EQUIPMENT  
TOP VIEW FOR CORRECT  
ENTRYWAY NUMBER



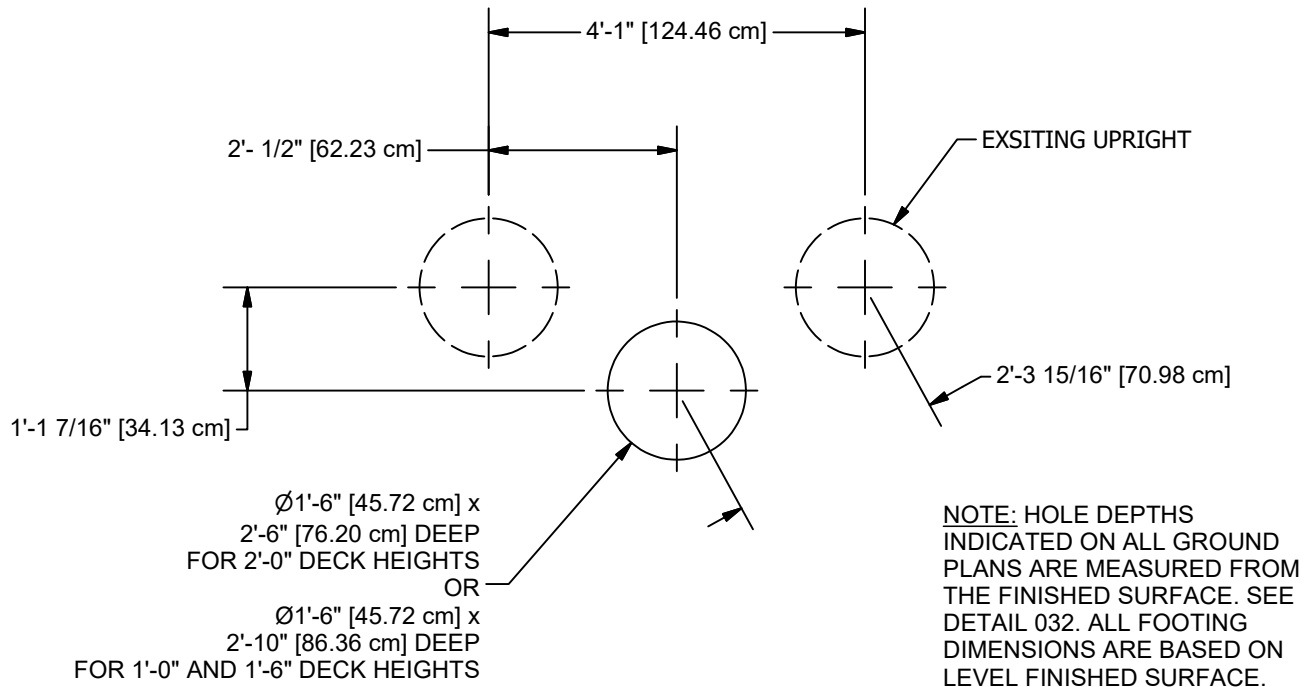
## INSTALLATION INSTRUCTIONS

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

## ASSEMBLY DRAWING



## TOP VIEW



### **GROUND PLAN**

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

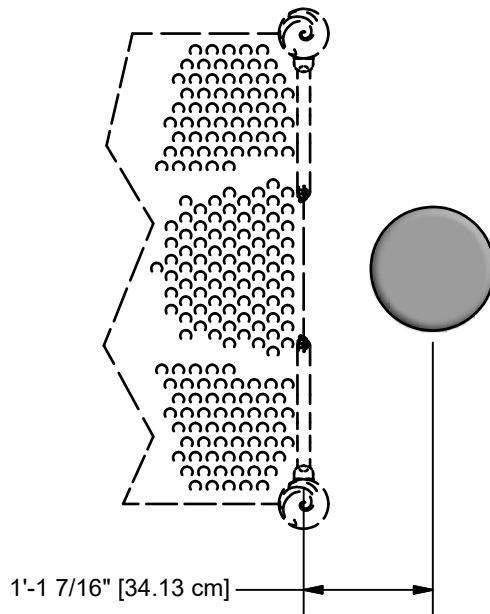
Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	TOAD STOOL	1	157594
2	GROUND EXTENSION ( 16" ) HEIGHT	1	156351
	<b>HARDWARE COMPLETE</b>	1	203670
3	1/2" ANCHOR ROD	1	135038*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*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

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

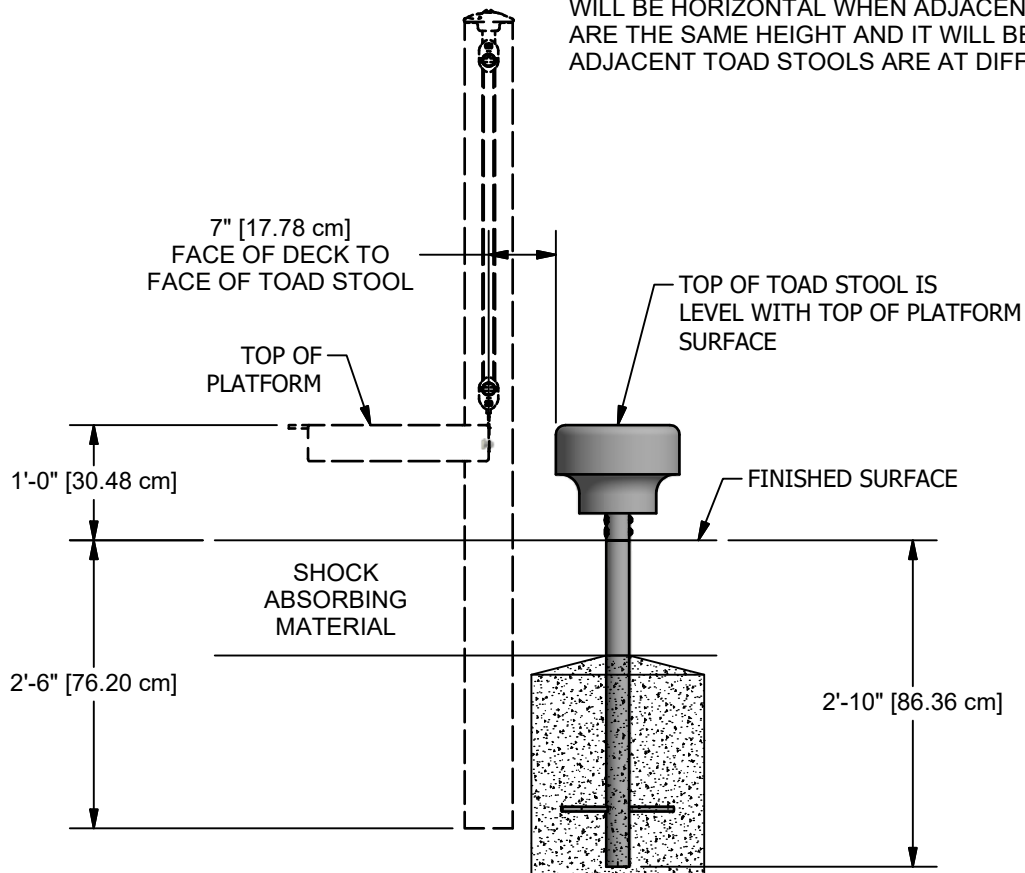
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**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.**

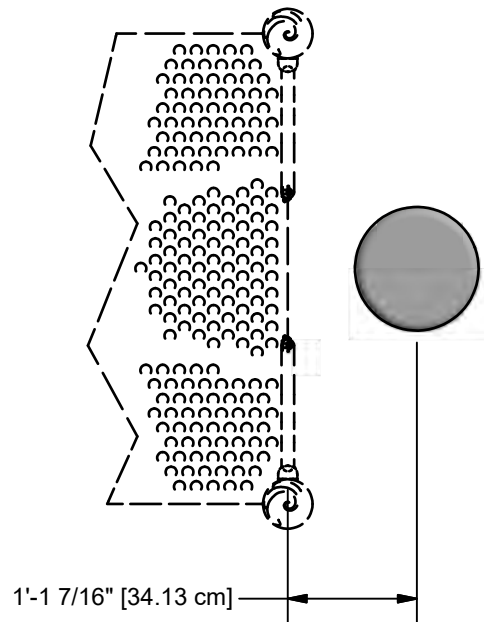
**Note: Loctite (supplied by others) should be used on any non-patch hardware.**



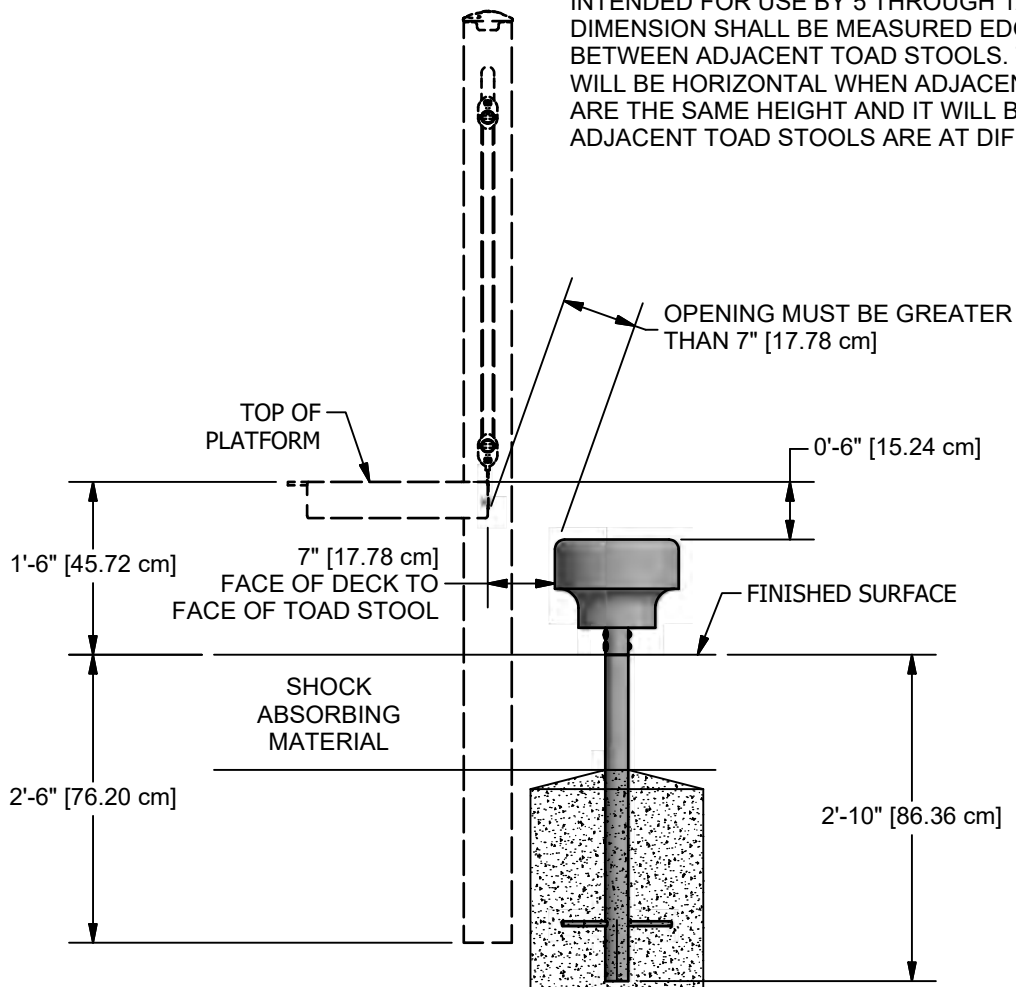
TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL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



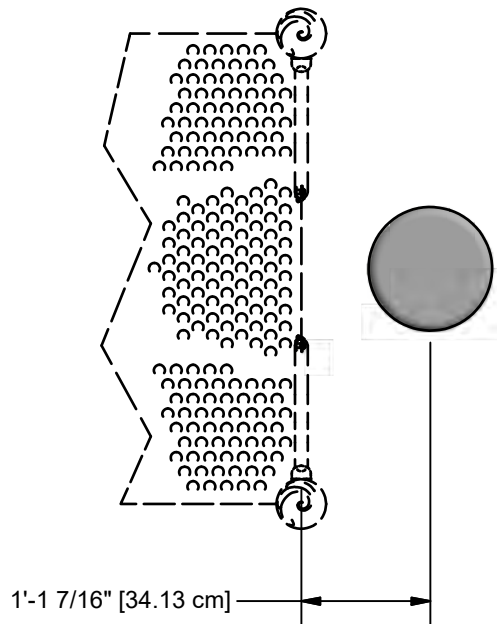
90317  
1'-0" DECK HEIGHT  
SHOWN



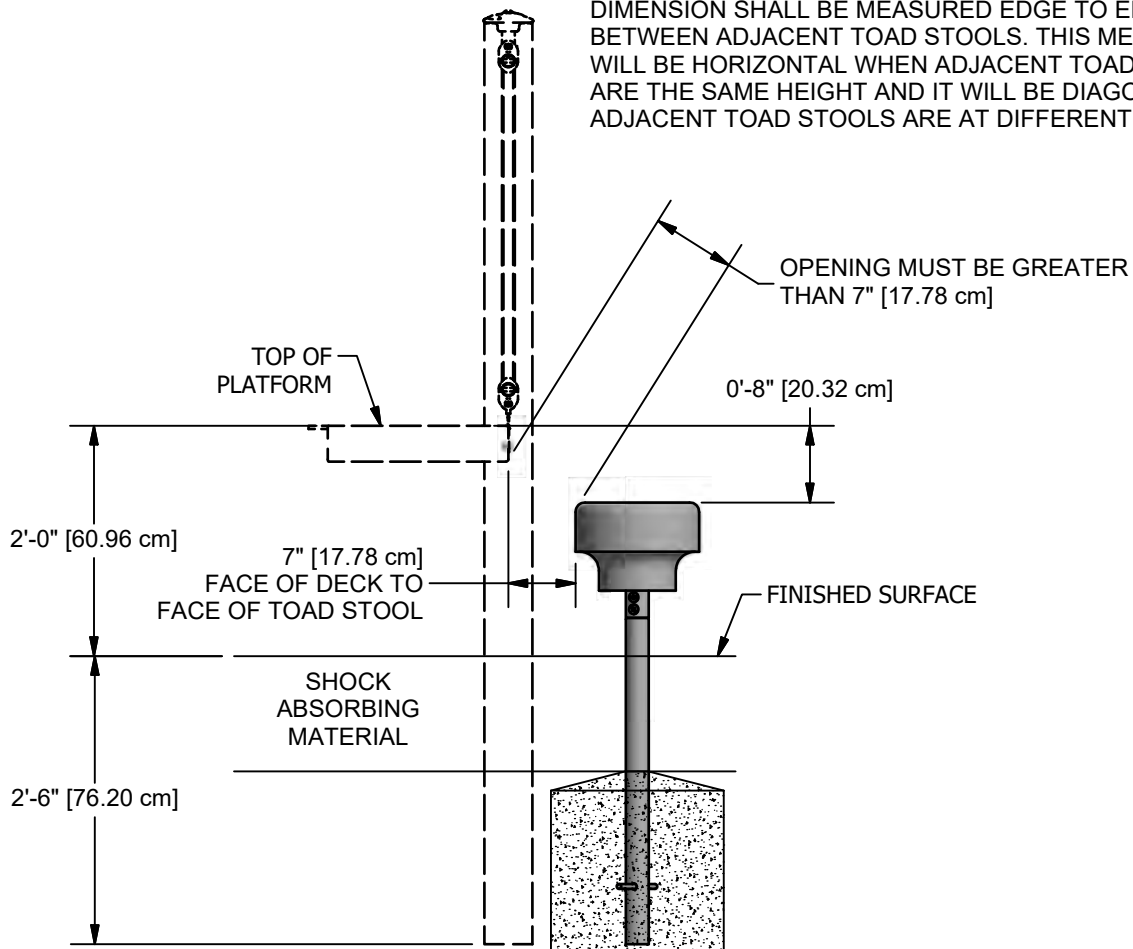
TOAD STOOLS SHALL BE NO GREATER THAN 12" (300 mm) APART WHEN INTENDED FOR USE BY 2 THROUGH 5 YEAR OLDS AND NO GREATER THAN 18" (460mm) APART WHEN INTENDED FOR USE BY 5 THROUGH 12 YEAR OLDS. THIS DIMENSION SHALL BE MEASURED EDGE TO EDGE BETWEEN ADJACENT TOAD STOOLS. THIS MEASUREMENT WILL BE HORIZONTAL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



90317  
1'-6" DECK HEIGHT  
SHOWN



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



90317  
2'-0" DECK HEIGHT  
SHOWN

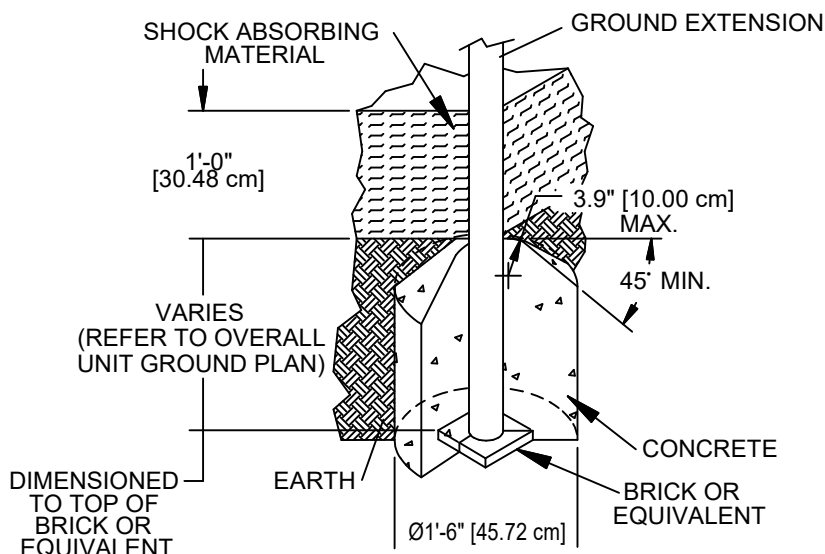
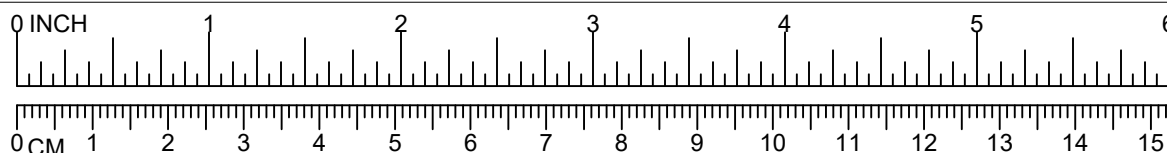
## DETAILS -for- 90317

### IMPORTANT

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

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

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

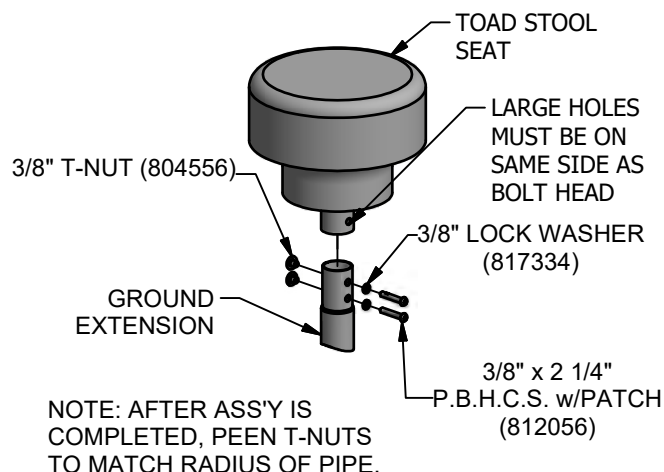


### NOTES:

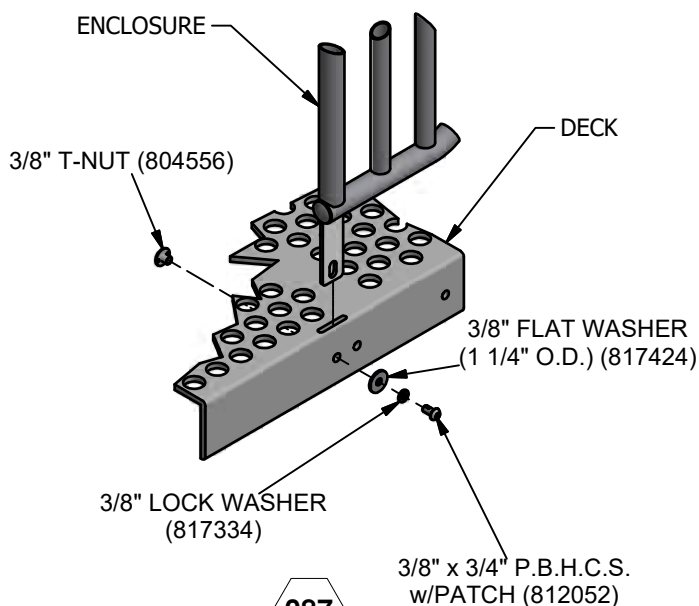
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

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



080



087

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 4/5/2021

# 90388 OVERHEAD CLIMBER ACCESS LADDER

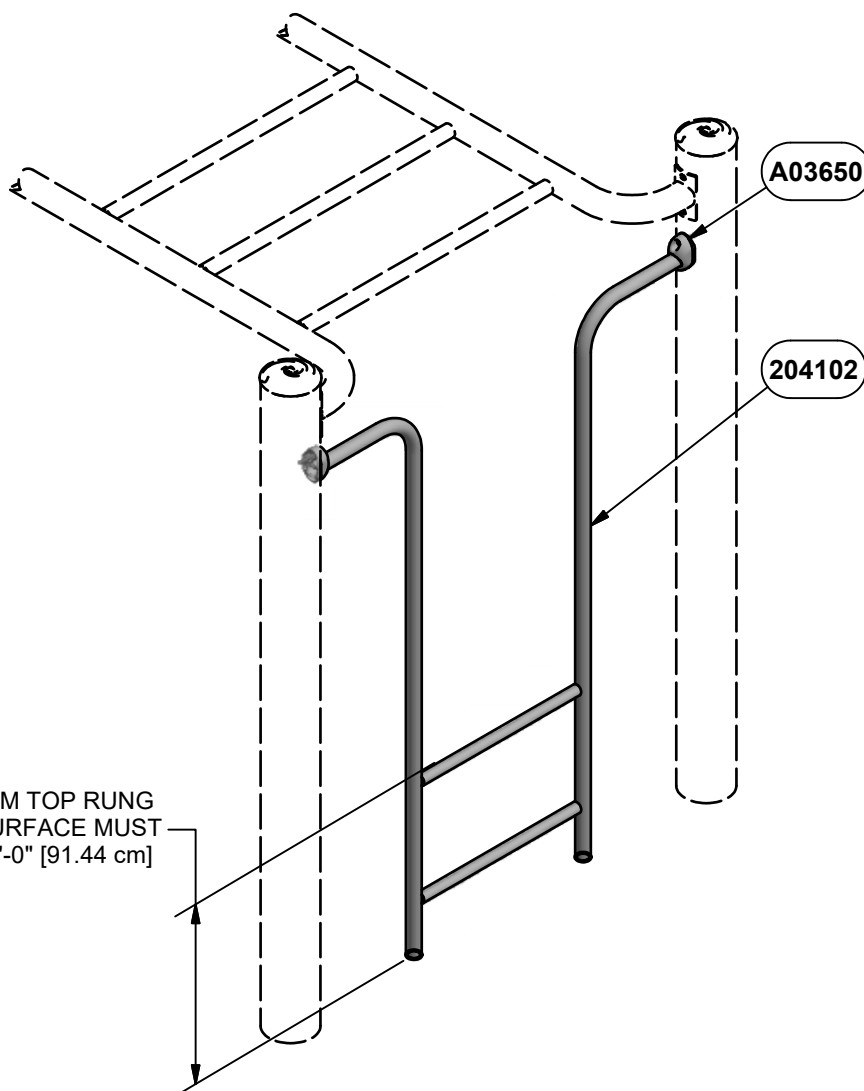


1'-6" ATTACHMENT	90338
2'-0" ATTACHMENT	90389
2'-6" ATTACHMENT	90390
3'-0" ATTACHMENT	90391

DISTANCE FROM TOP RUNG  
TO FINISHED SURFACE MUST  
NOT EXCEED 3'-0" [91.44 cm]

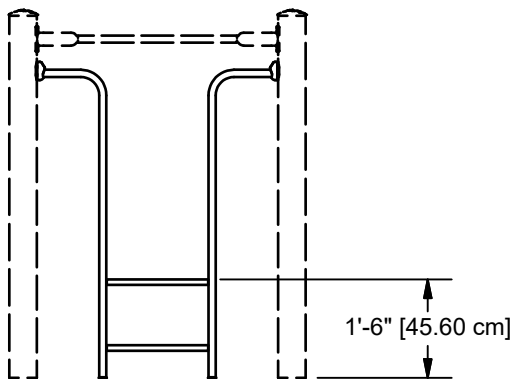
## INSTALLATION INSTRUCTIONS

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.**

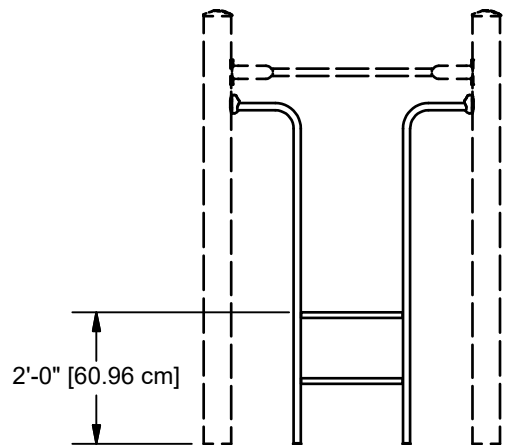


**ASSEMBLY VIEW**  
90388 SHOWN

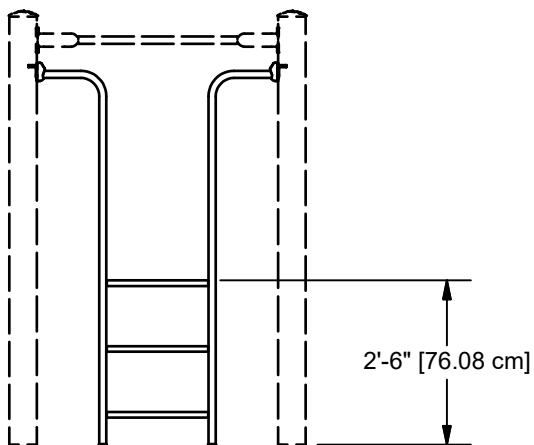




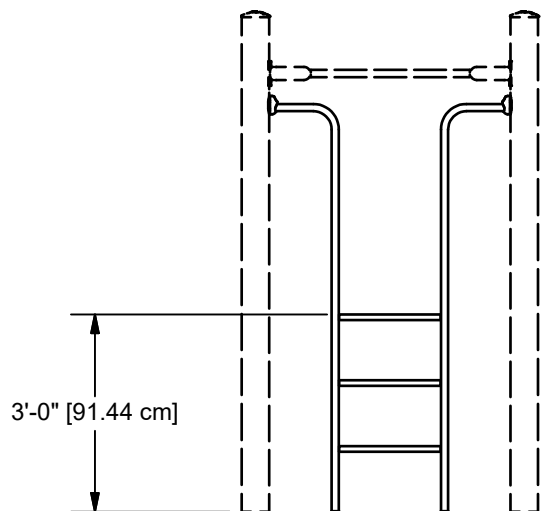
**1'-6" VIEW**  
90388



**2'-0" VIEW**  
90389

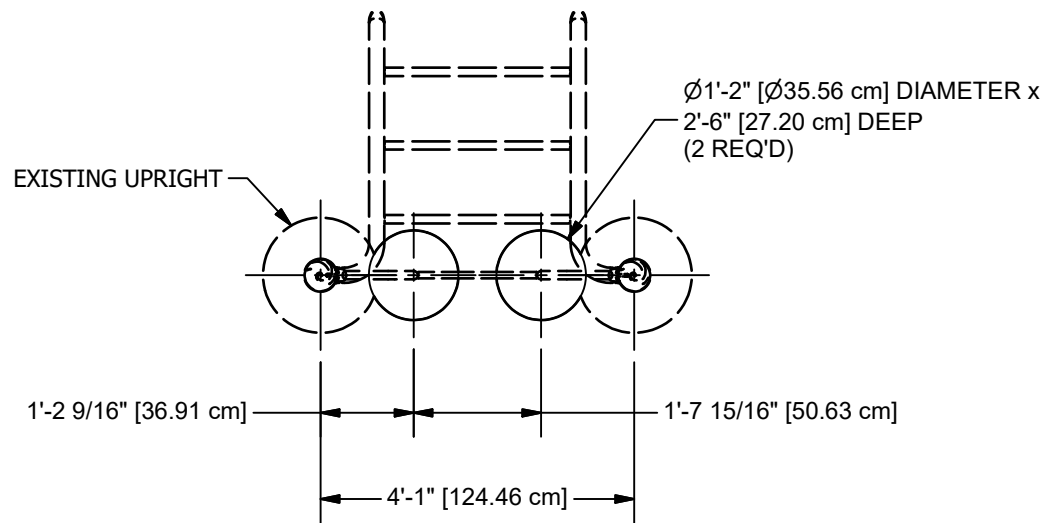


**2'-6" VIEW**  
90390



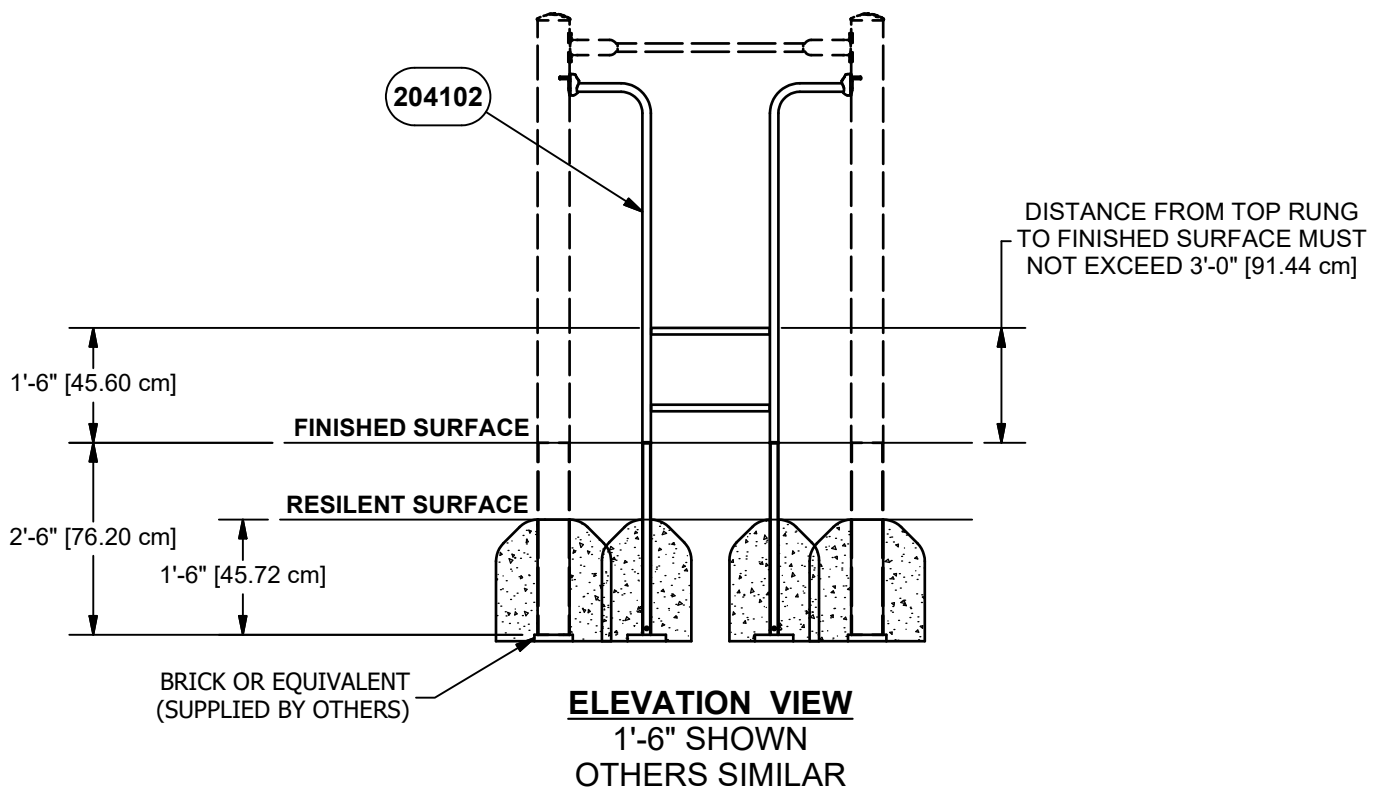
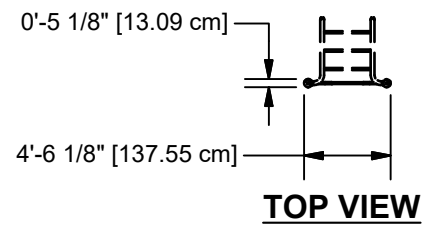
**3'-0" VIEW**  
90391

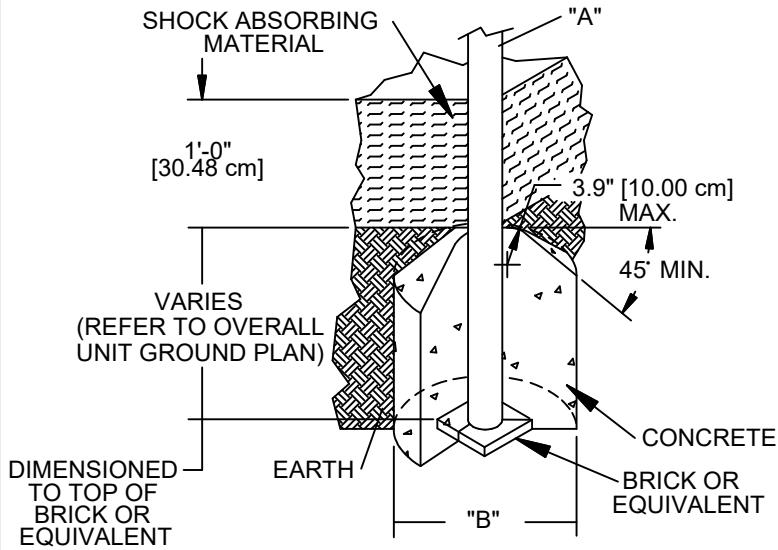
**DECK HEIGHT**  
**ELEVATIONS**



**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.

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





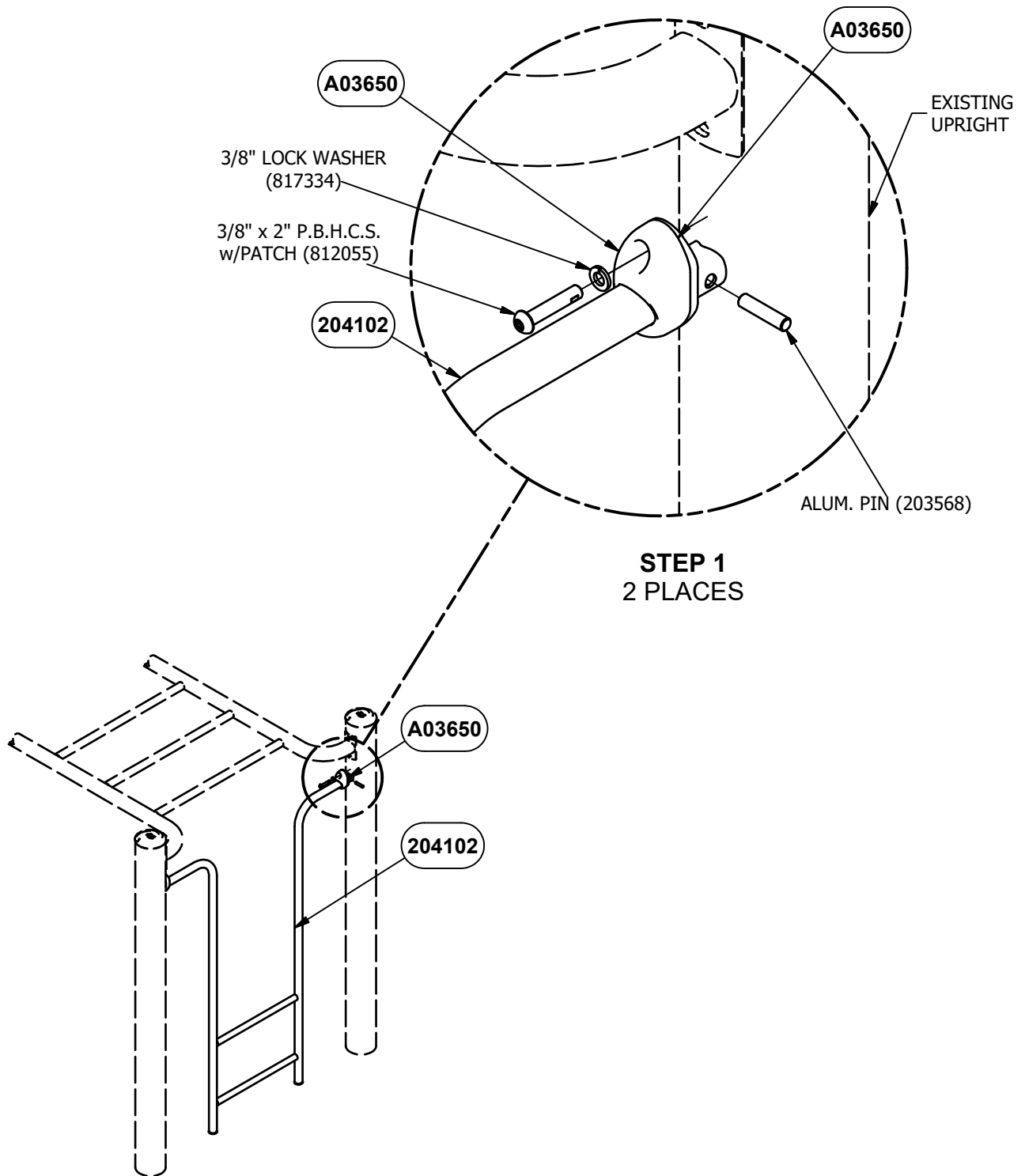
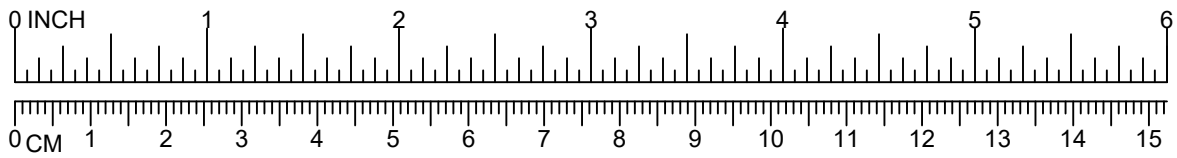
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

**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**



**DETAIL VIEW**

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

Parts List					
DESCRIPTION	90388	90389	90390	90391	PART NUMBER
OVERHEAD CLIMBER ACCESS LADDER	1	0	0	0	204102
OVERHEAD CLIMBER ACCESS LADDER	0	1	0	0	204105
OVERHEAD CLIMBER ACCESS LADDER	0	0	1	0	204108
OVERHEAD CLIMBER ACCESS LADDER	0	0	0	1	204111
TRU-LOC	2	2	2	2	A03650
<b>HARDWARE COMPLETE</b>	1	1	1	1	204114
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	812055*
3/8" LOCK WASHER	2	2	2	2	817334*
ALUM. PIN	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 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: 10/06/2021

90436

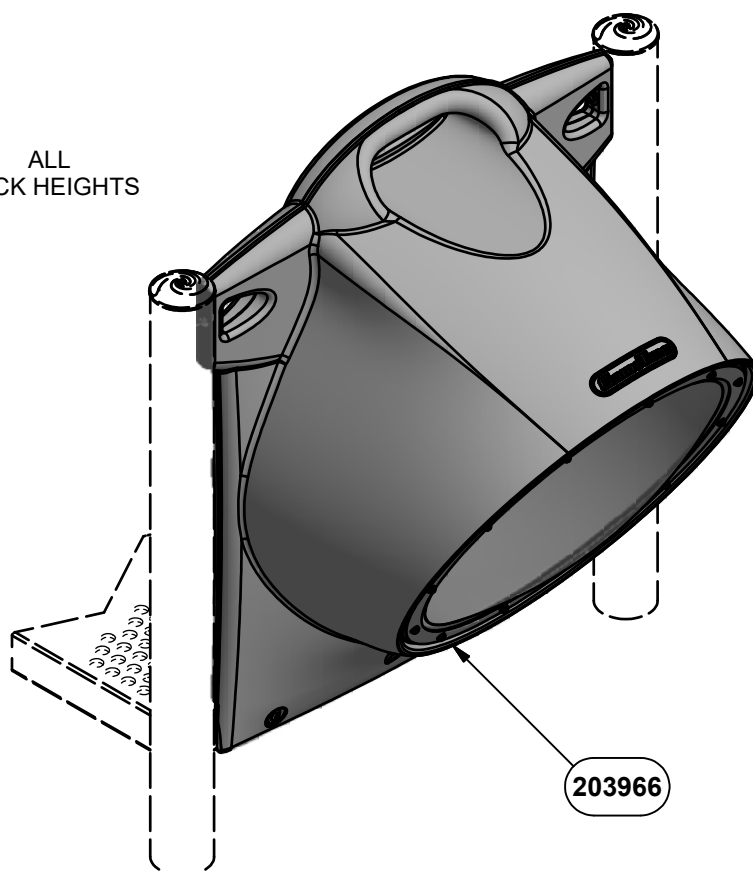
## OBSERVATION STATION



UP TO 5'-0"  
DECK HEIGHTS



ALL  
DECK HEIGHTS

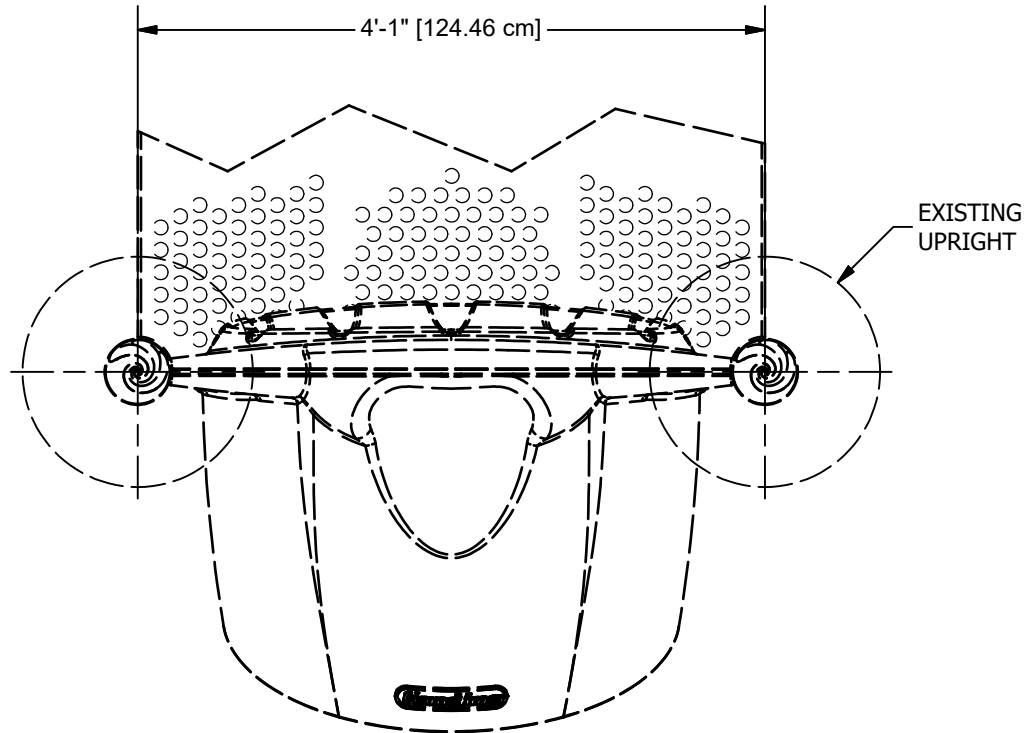


203966

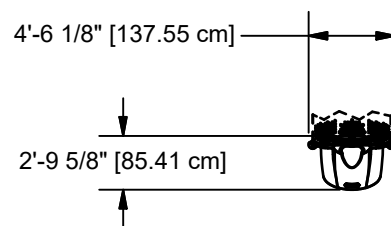
### INSTALLATION INSTRUCTIONS

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

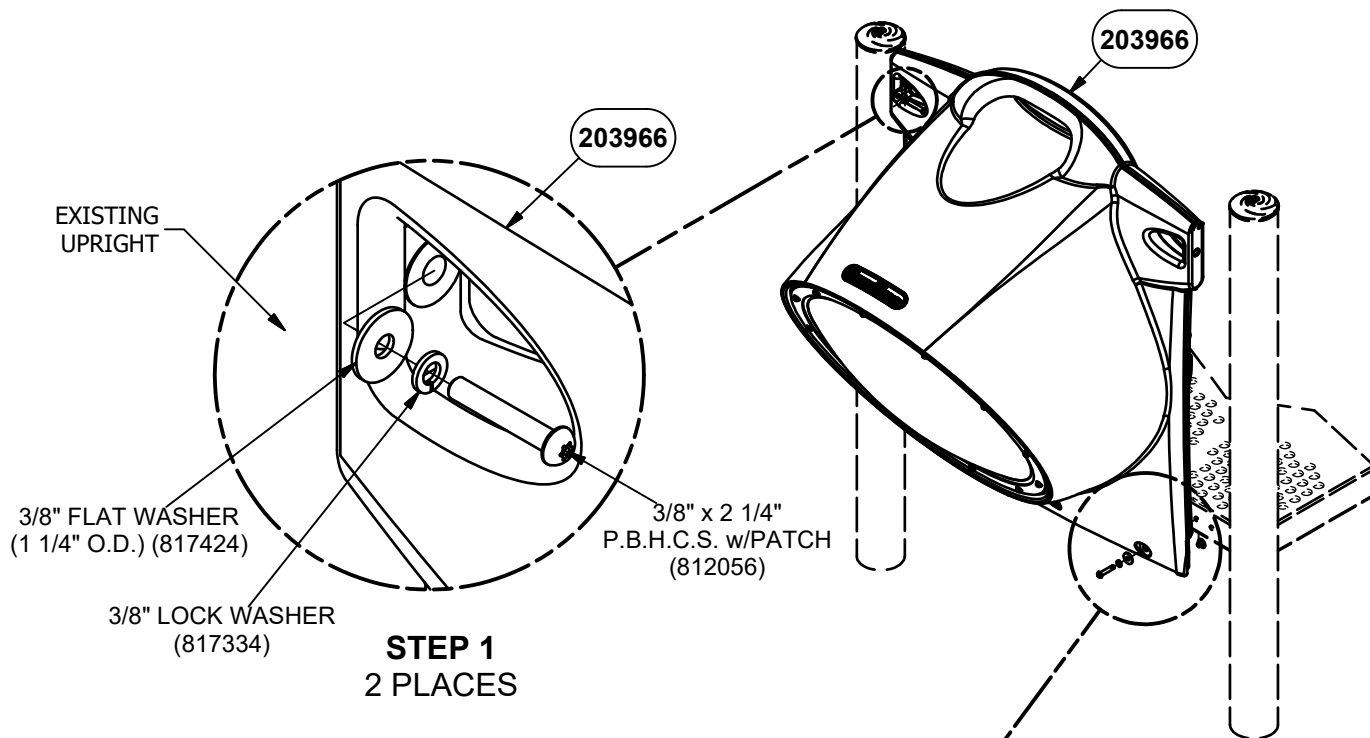
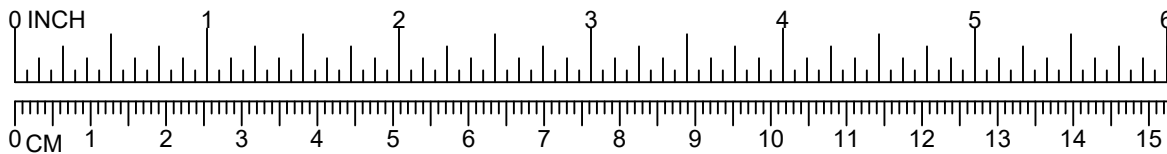
### ASSEMBLY VIEW



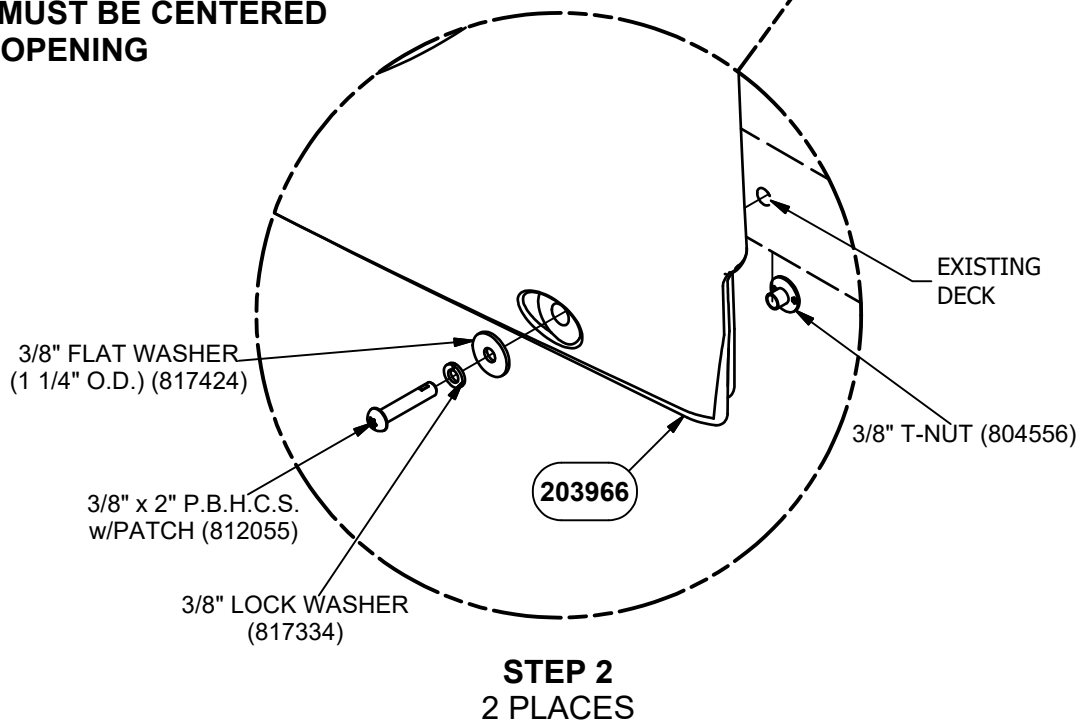
**PLAN VIEW**



**TOP VIEW**



**NOTE: OBSERVATION STATION  
(203966) MUST BE CENTERED  
IN DECK OPENING**



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



Parts List		
DESCRIPTION	QTY	PART NUMBER
OBSERVATION STATION	1	203966
<b>HARDWARE COMPLETE</b>	1	203969
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" FLAT WASHER (1 1/4" O.D.)	4	817424*
3/8" LOCK WASHER	4	817334*
3/8" T-NUT	2	804556*

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

*\* Included in Hardware*

**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: 10/12/23

## 90503 ZIP SLIDE

⬡ = INSTALLATION  
DETAIL  
○ = PARTS LIST  
REFERENCE

2'-6" / 3'-0" WAVE ZIP SLIDE	90503
4'-0" / 4'-6" ZIP SLIDE	90504
5'-0" / 5'-6" ZIP SLIDE	90505
6'-0" WAVE ZIP SLIDE	90506



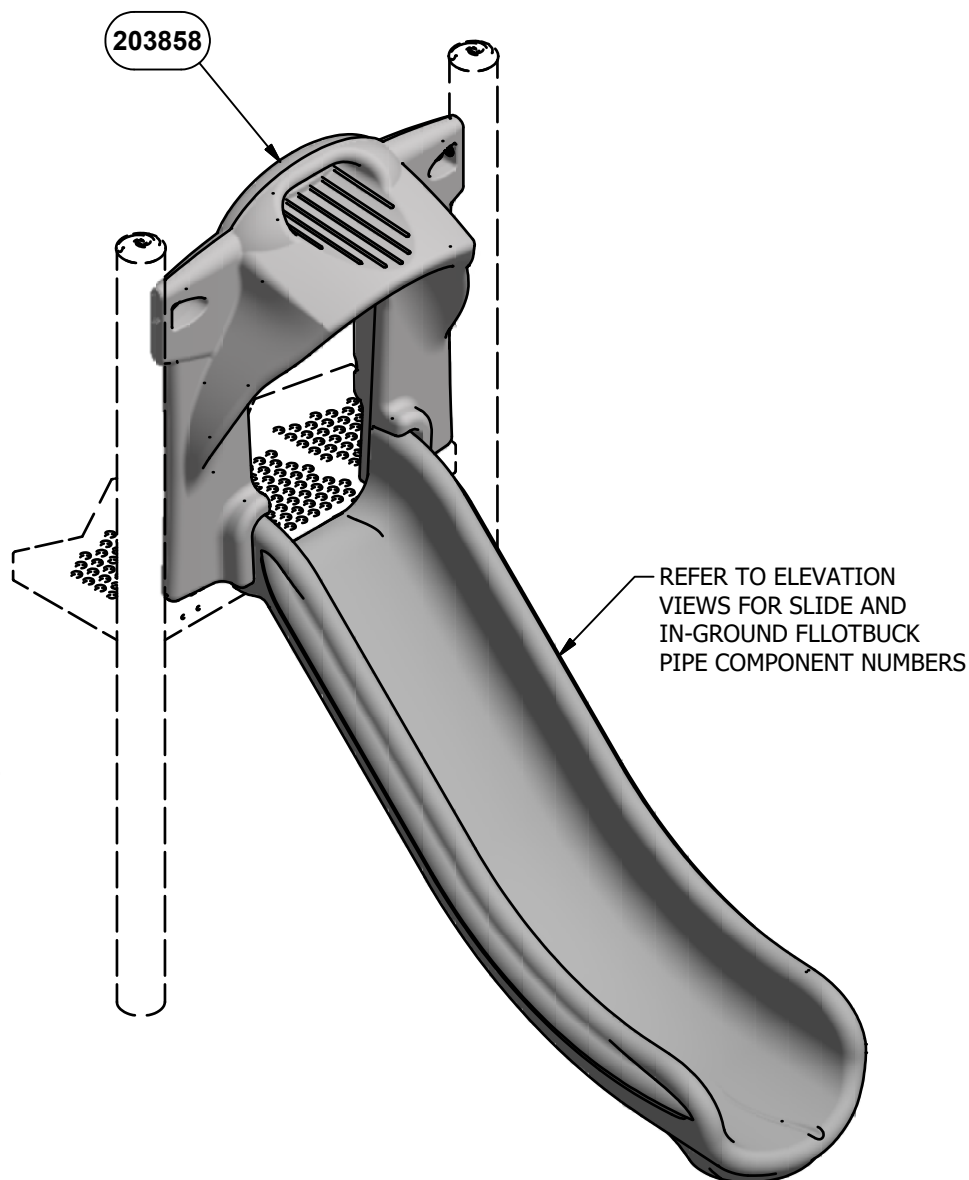
90503  
90504  
90505



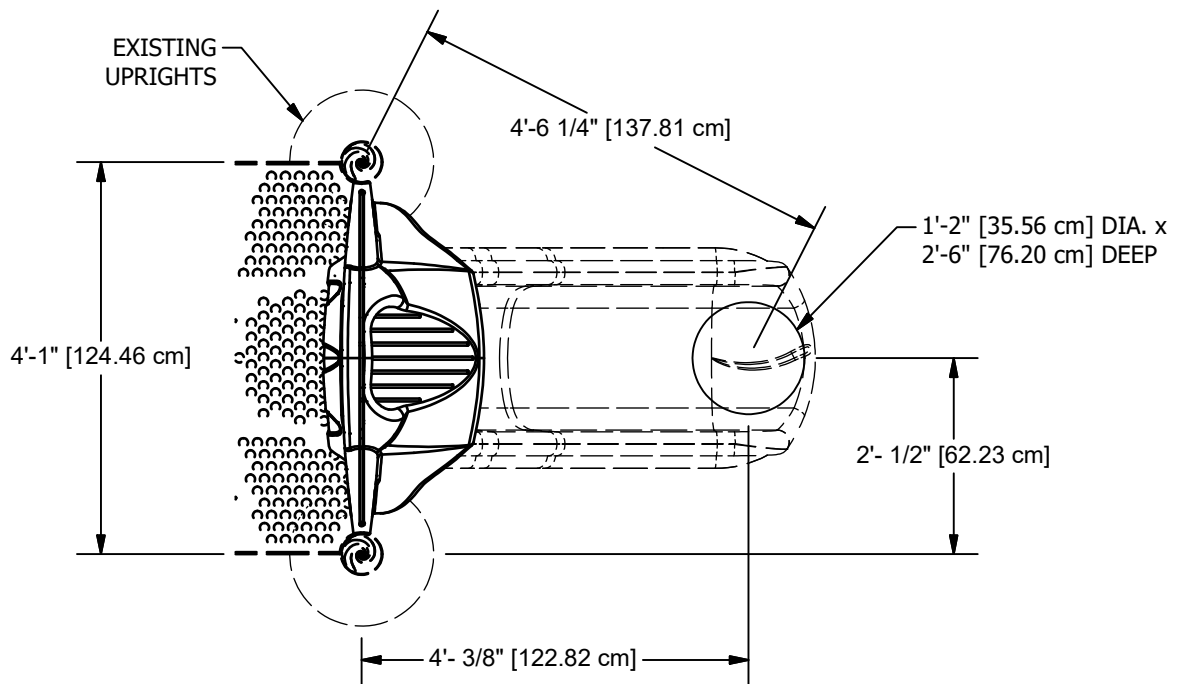
ALL DECK  
HEIGHTS

### INSTALLATION INSTRUCTIONS

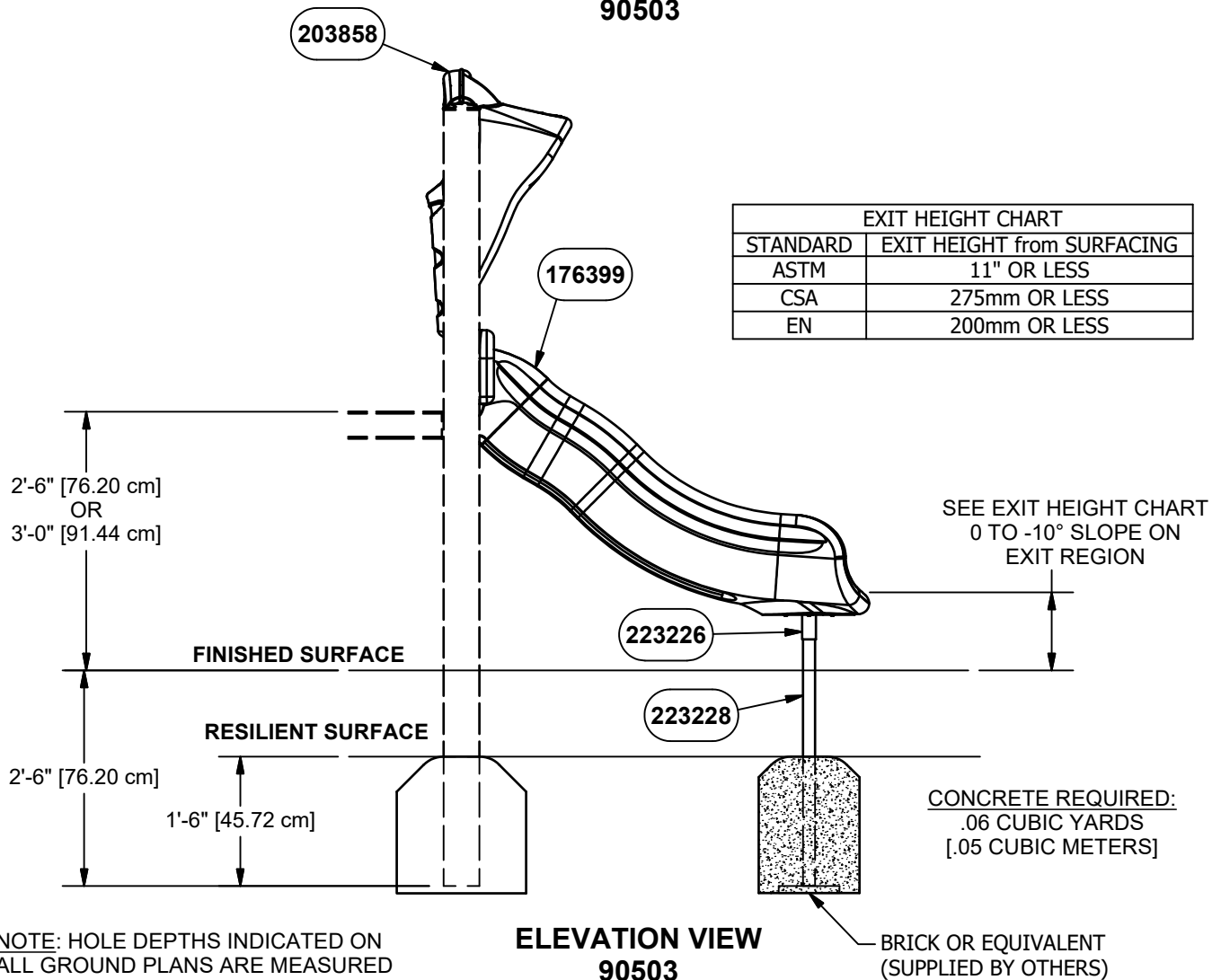
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



**ASSEMBLY DRAWING**  
**90504 SHOWN**

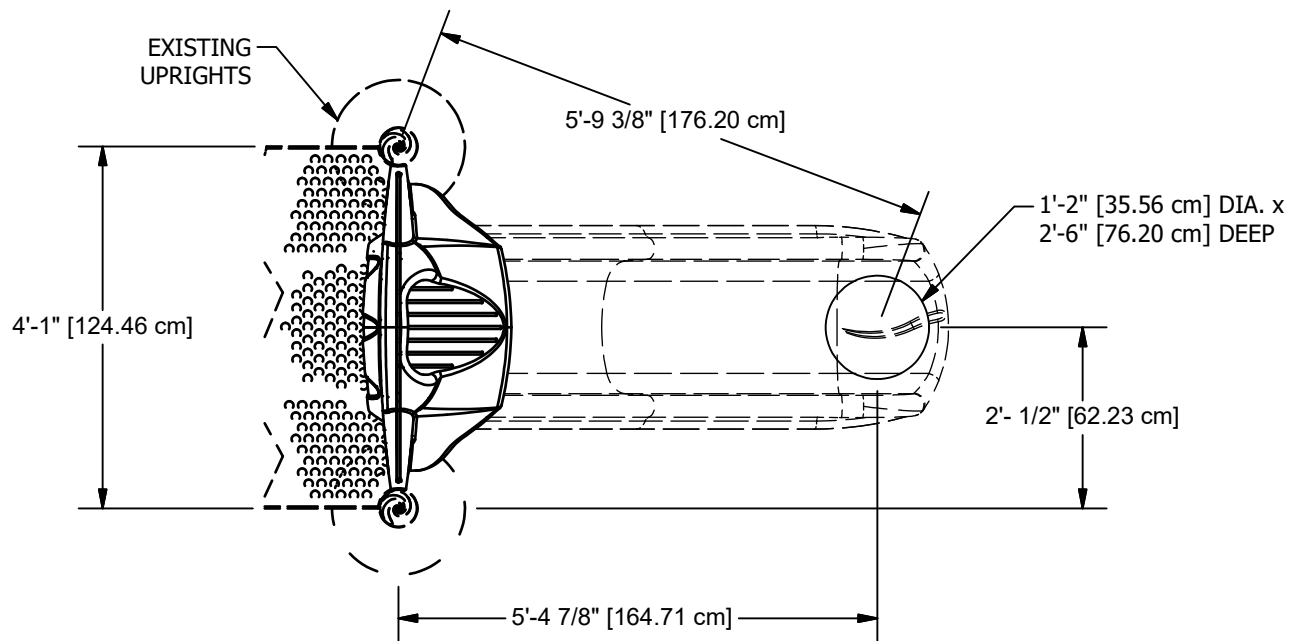


**PLAN VIEW  
90503**



**ELEVATION VIEW  
90503**

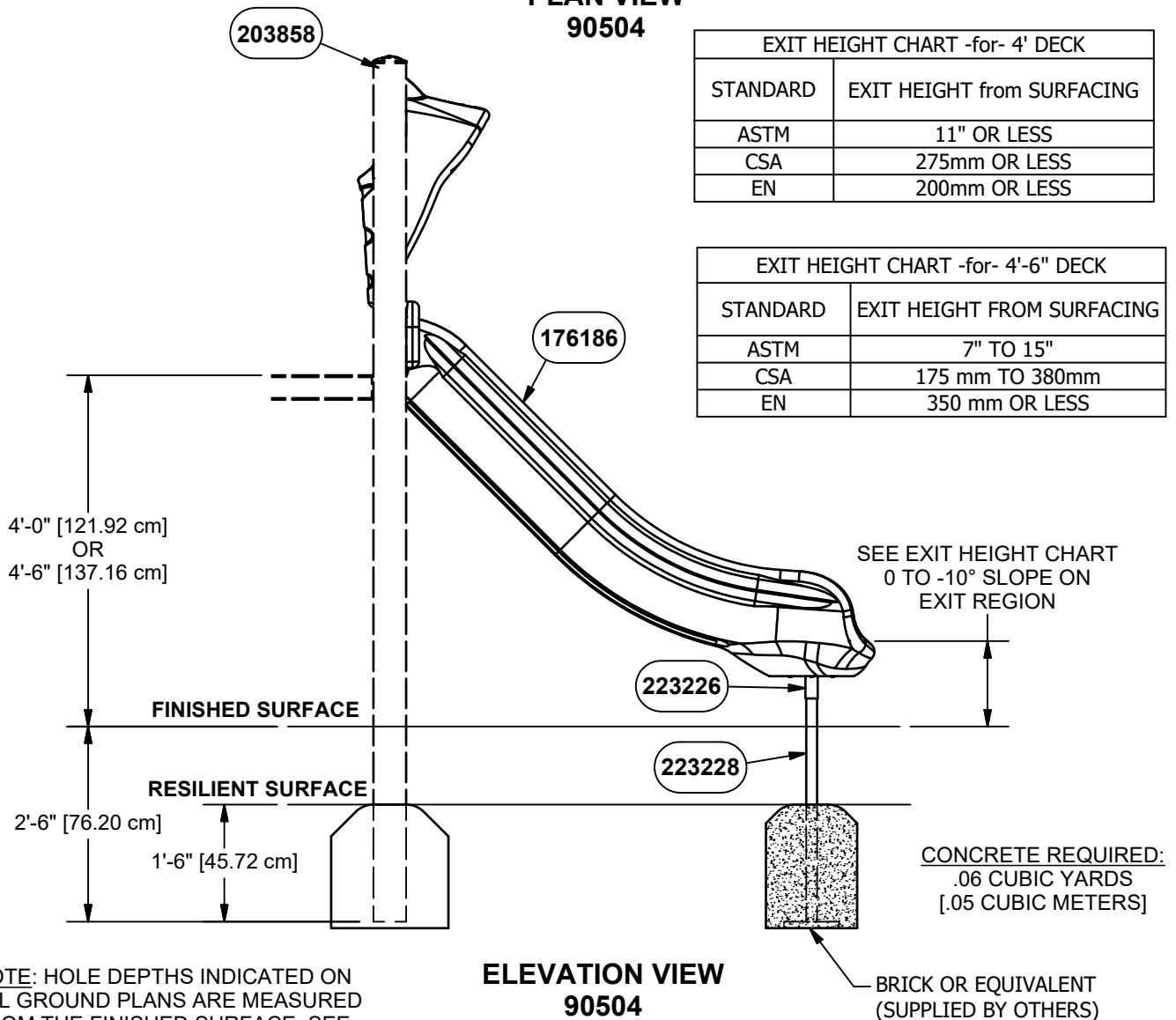
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE FOOTING DETAIL. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW  
90504**

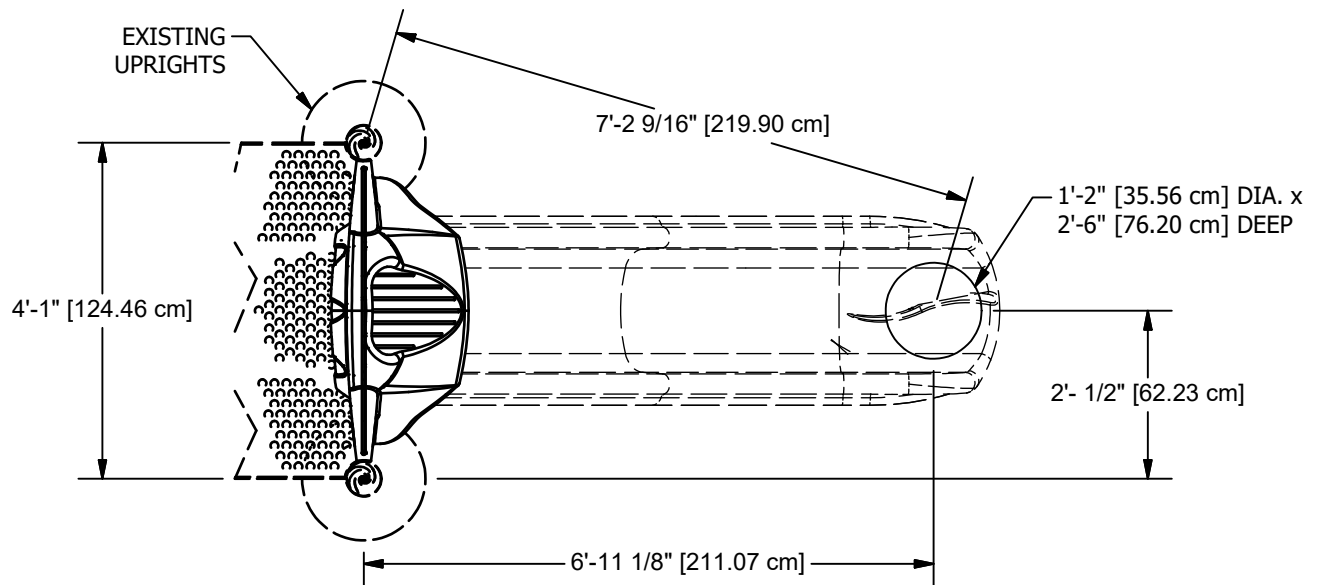
EXIT HEIGHT CHART -for- 4' DECK	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

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

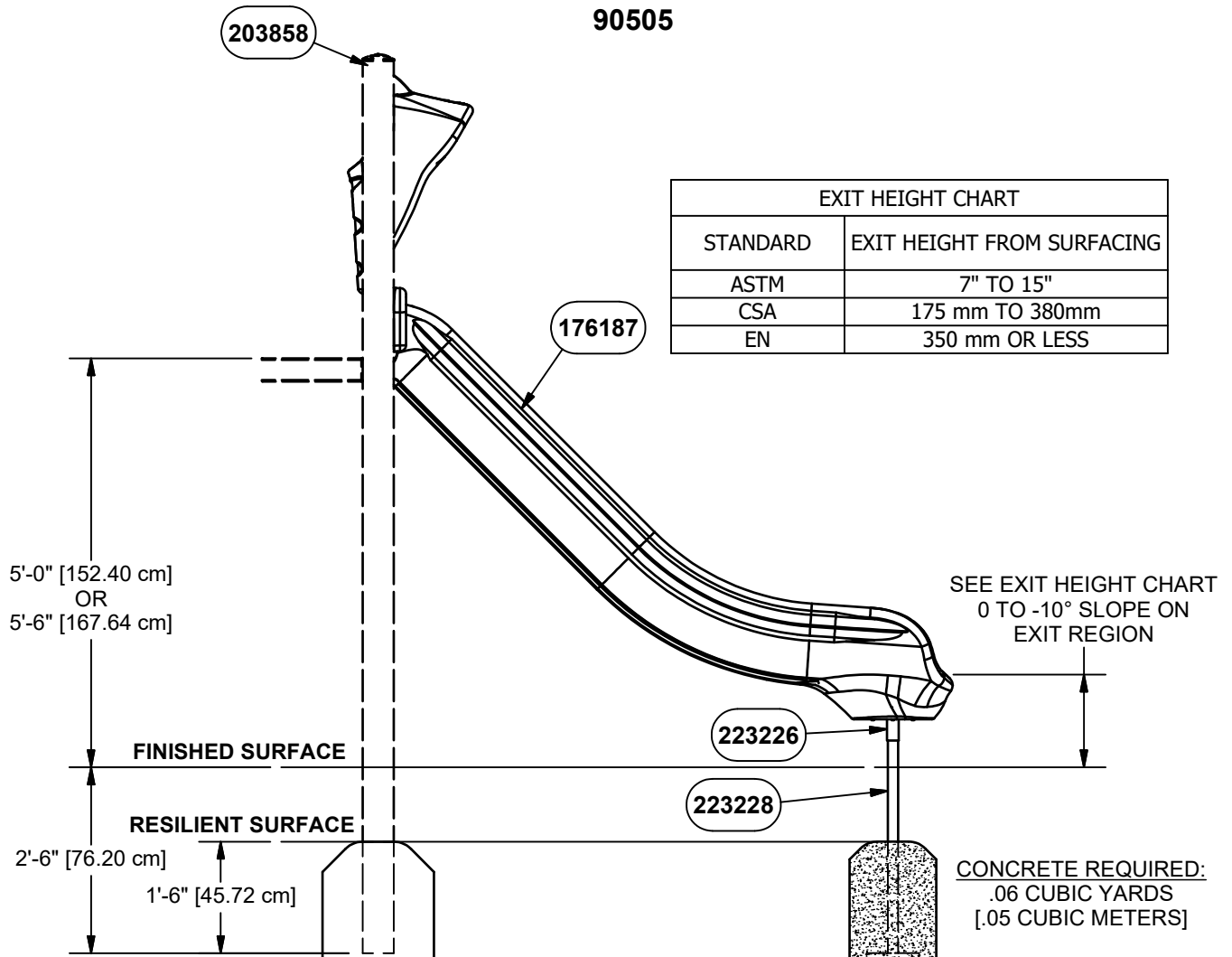


**ELEVATION VIEW  
90504**

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

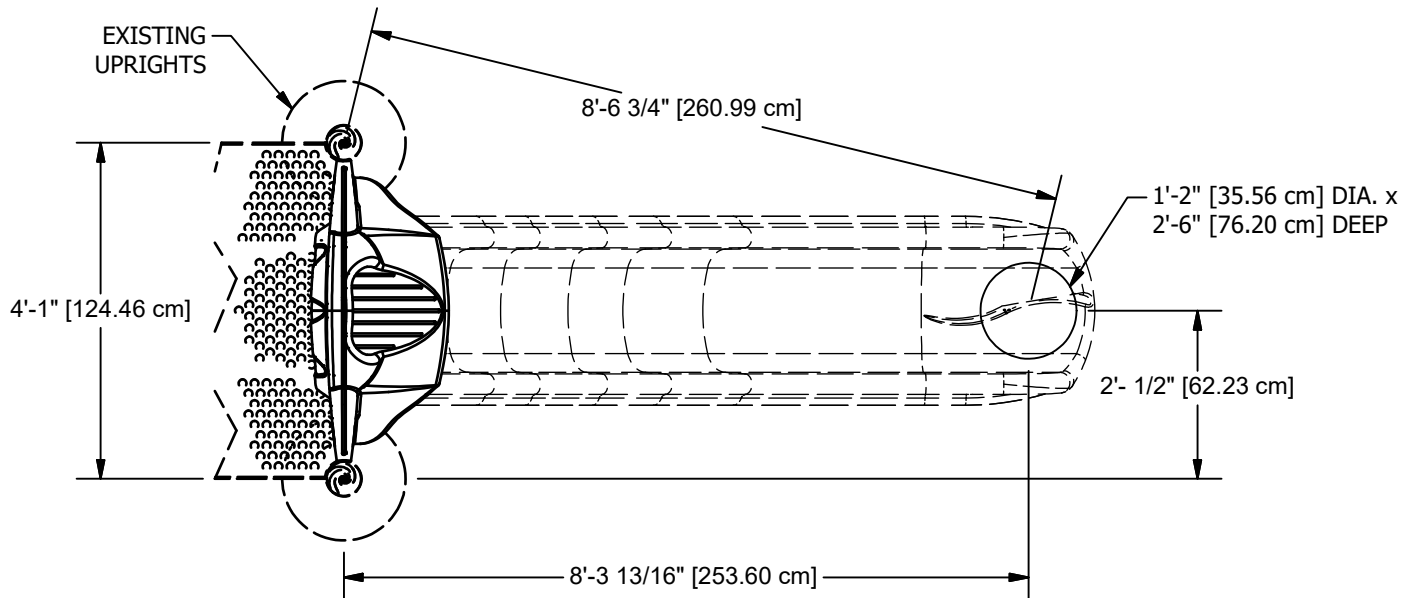


**PLAN VIEW  
90505**



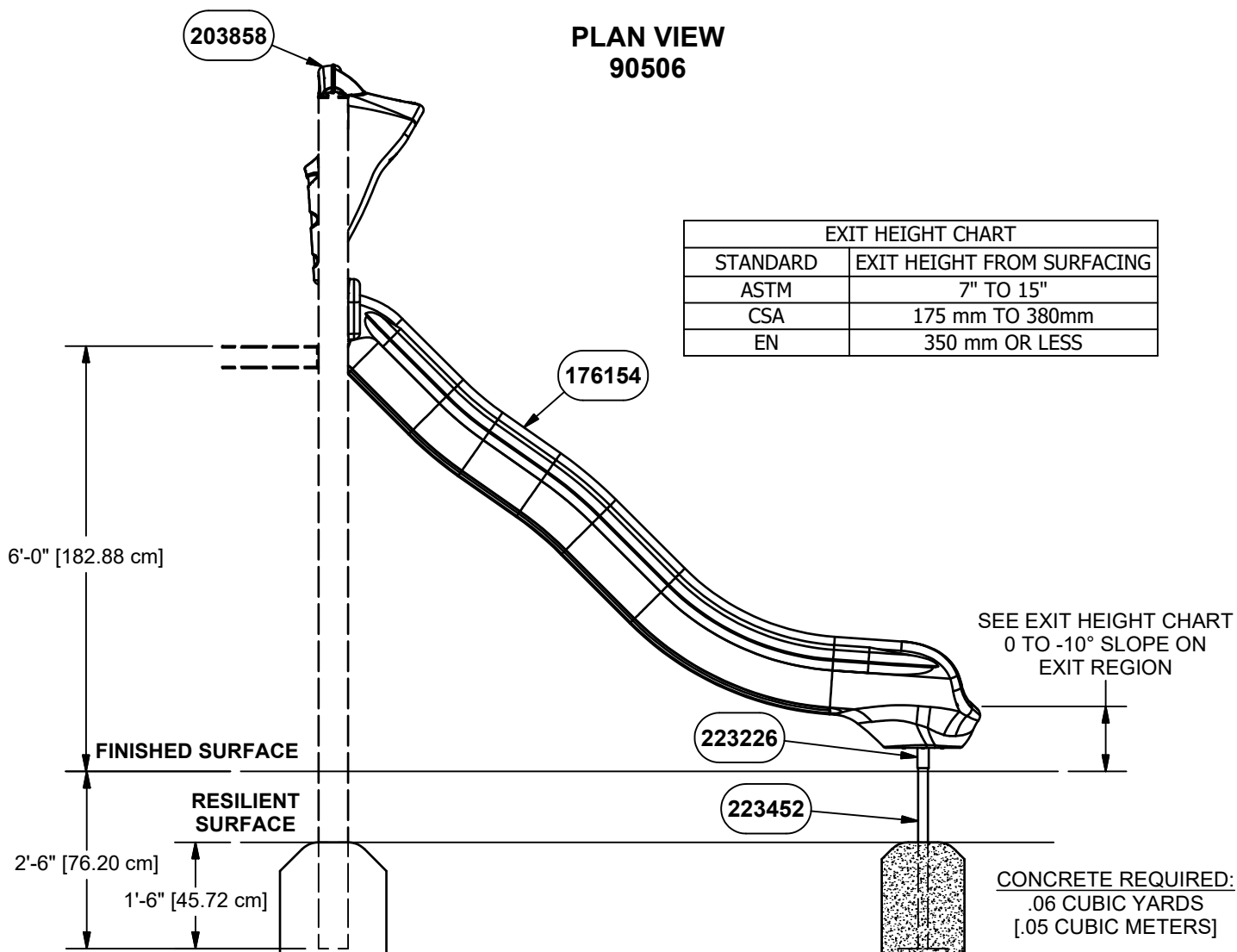
**ELEVATION VIEW  
90505**

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



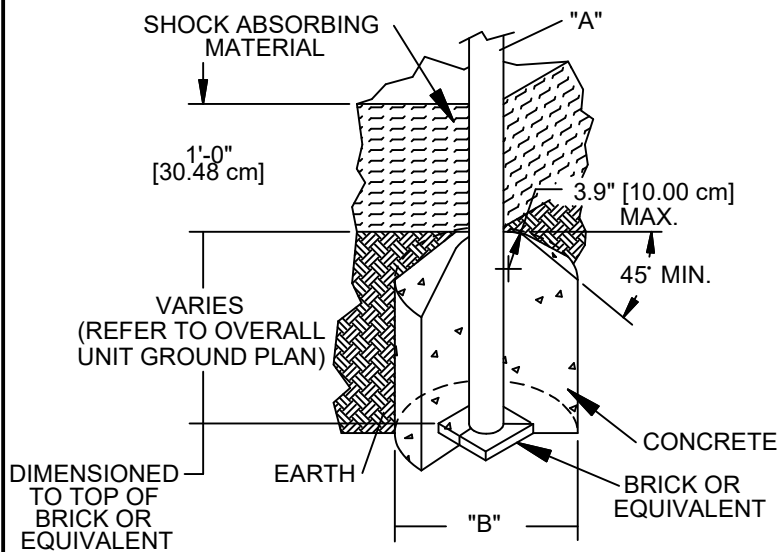
**PLAN VIEW  
90506**

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



**ELEVATION VIEW  
90506**

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



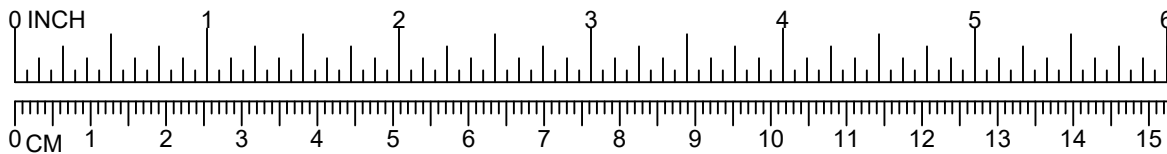
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

#### NOTES:

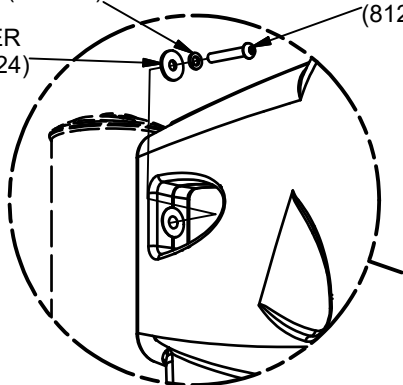
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

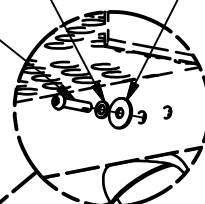


3/8" LOCK WASHER (817334)  
3/8" x 2 1/4" P.B.H.C.S. w/PATCH (812056)  
3/8" FLAT WASHER (1 1/4" O.D.) (817424)



**STEP 1**  
2 PLACES

3/8" LOCK WASHER (817334)  
3/8" x 1 3/4" P.B.H.C.S. w/PATCH (812054)  
3/8" FLAT WASHER (1 1/4" O.D.) (817424)

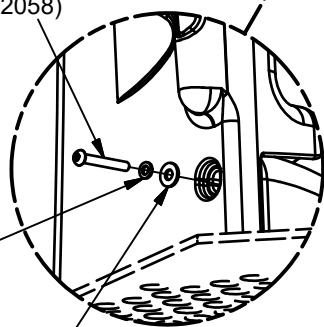


**STEP 2**  
2 PLACES

3/8" x 2 3/4" P.B.H.C.S. w/PATCH (812058)

3/8" LOCK WASHER (817334)

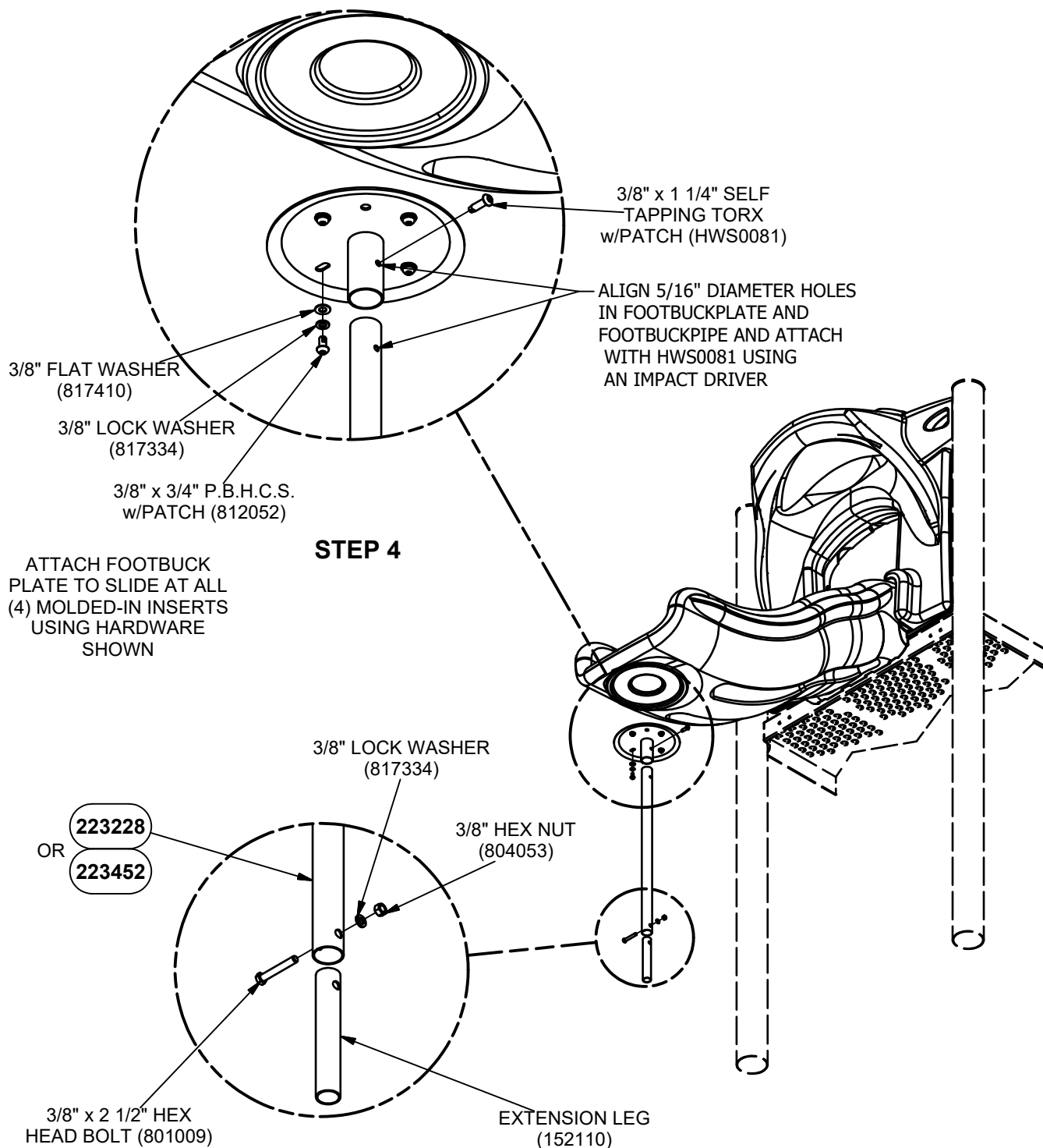
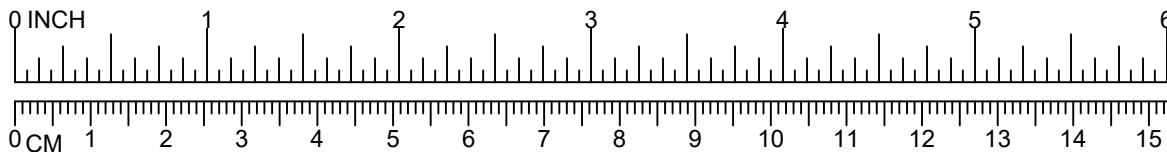
3/8" FLAT WASHER (1" O.D.) (817401)



**STEP 3**  
2 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	90503	90504	90505	90506	PART NUMBER
SINGLE ZIP SLIDE HOOD	1	1	1	1	203858
3' ZIP SLIDE	1	0	0	0	176399
4' ZIP SLIDE	0	1	0	0	176186
5' ZIP SLIDE	0	0	1	0	176187
6' ZIP SLIDE	0	0	0	1	176154
FOOTBUCK PLATE	1	1	1	1	223226
FOOTBUCK PIPE, 32"	1	1	1	0	223228
FOOTBUCK PIPE, 34 1/4"	0	0	0	1	223452
HARDWARE COMPLETE	0	0	0	1	223469
HARDWARE COMPLETE	1	1	1	0	223468
EXTENSION LEG	1	1	1	0	152110
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052
3/8" LOCK WASHER	11	11	11	10	817334
3/8" FLAT WASHER	4	4	4	4	817410
3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	817424
3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812054
3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812058
3/8" FLAT WASHER (1" O.D.)	2	2	2	2	817401
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056
3/8" x 2 1/2" HEX HEAD BOLT	1	1	1	0	801009
3/8" HEX NUT	1	1	1	0	804053
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	1	1	1	1	HWS0081

*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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### **MAINTENANCE PROCEDURE:**

- Periodically check hardware for tightness, and tighten as necessary.
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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.

# PowerScape®

## GameTime®

A PLAYCORE Company

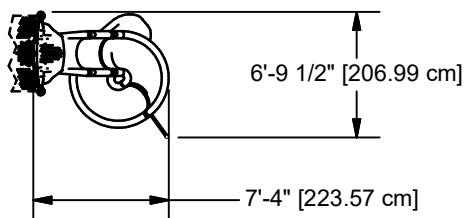
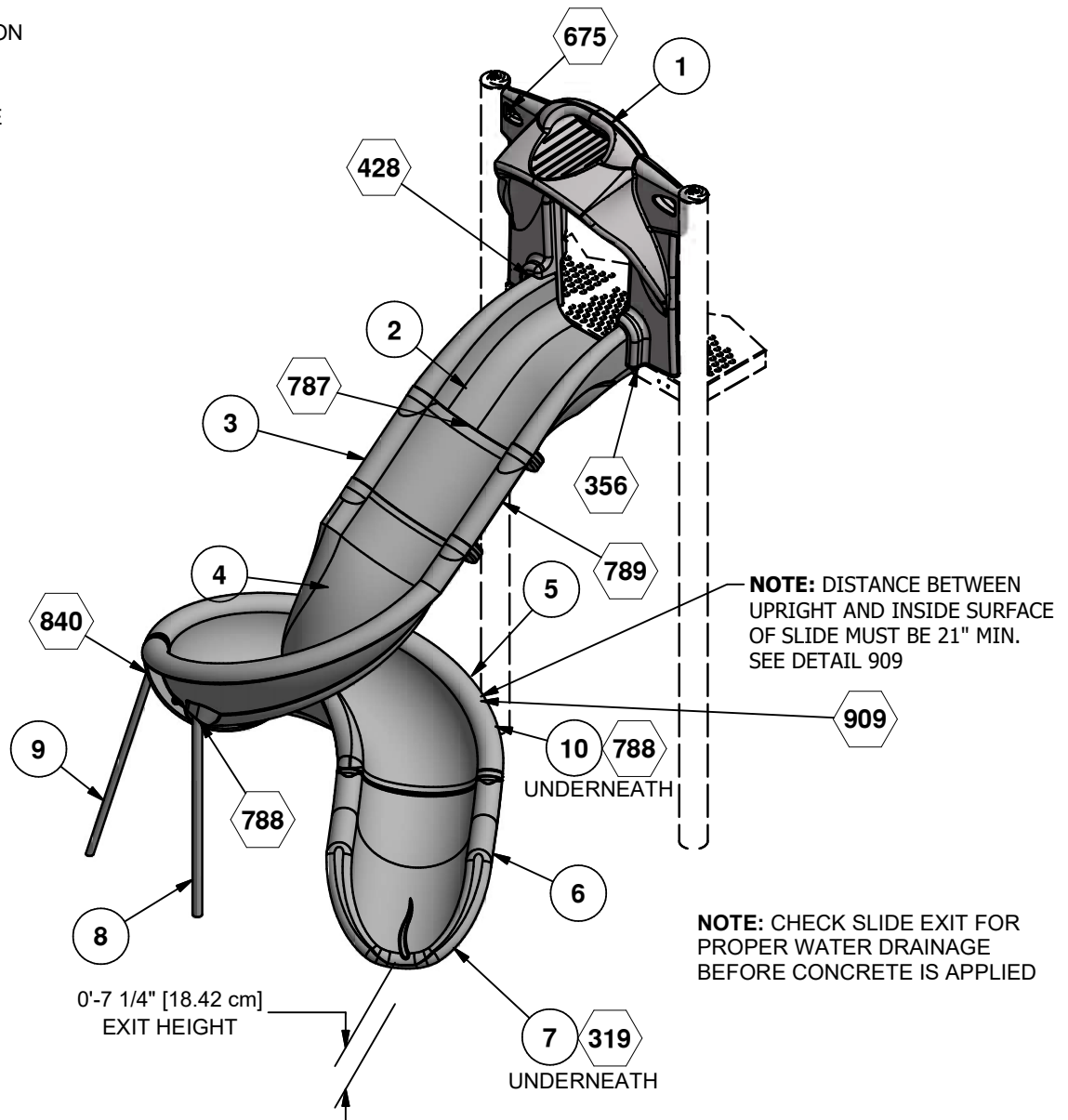
1-800-235-2440

ISSUED/REVISED: 04/15/2024

90842

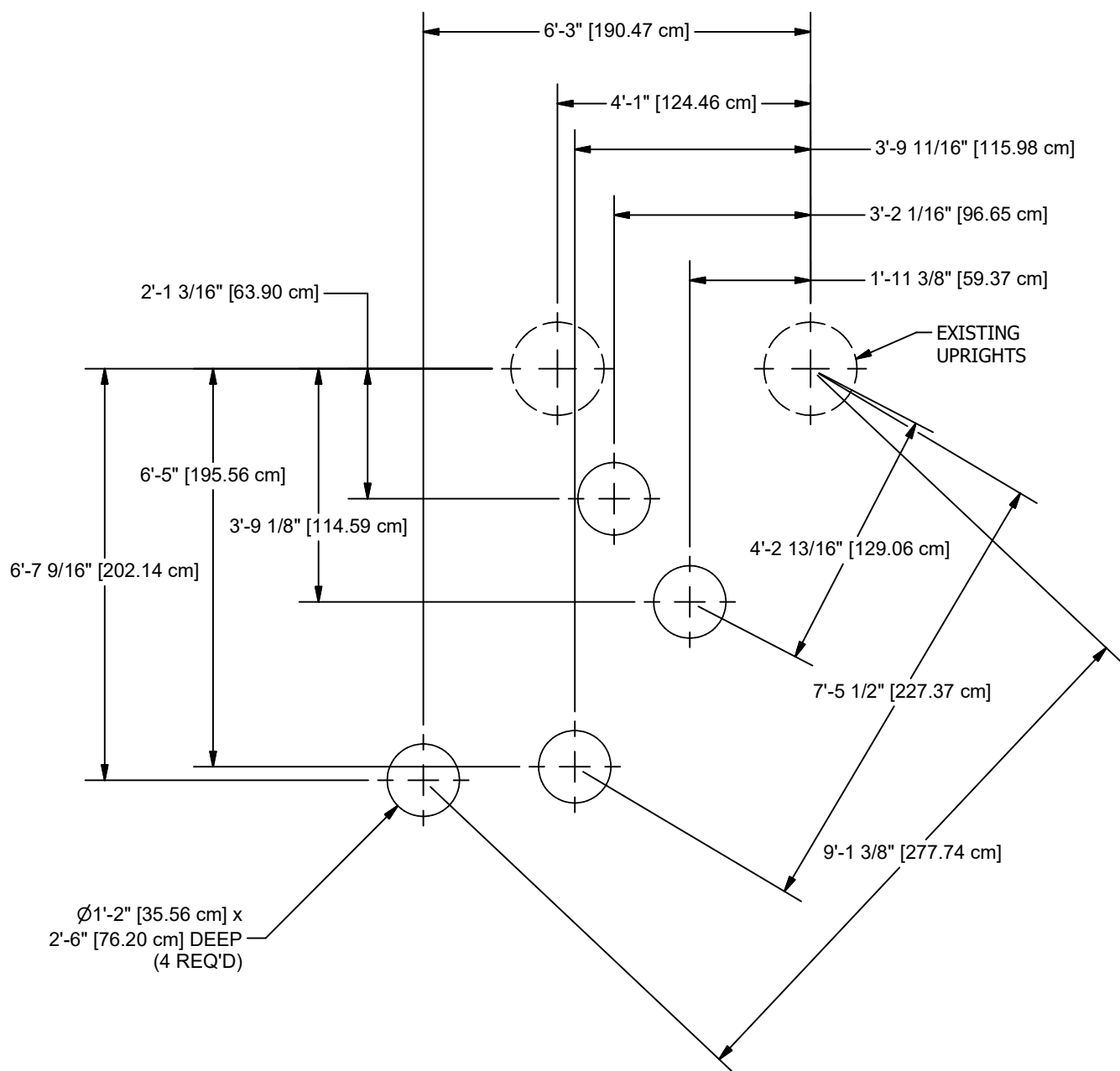
## SINGLE SPIRAL WILDERSLIDE II

- ⬡ = INSTALLATION  
DETAIL
- = PARTS LIST  
REFERENCE



**TOP VIEW**

**ASSEMBLY DRAWING**



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

### GROUND PLAN

CONCRETE REQUIRED:  
.24 CUBIC YARDS  
[.18 CUBIC METERS]

## **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 *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.

3. Attach Zip Slide Hood using Detail 675.

4. Attach Footbuck to Exit Section using Detail 195.

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

Note: Refer to Assembly View for proper placement and orientation of each slide section.

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

7. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.

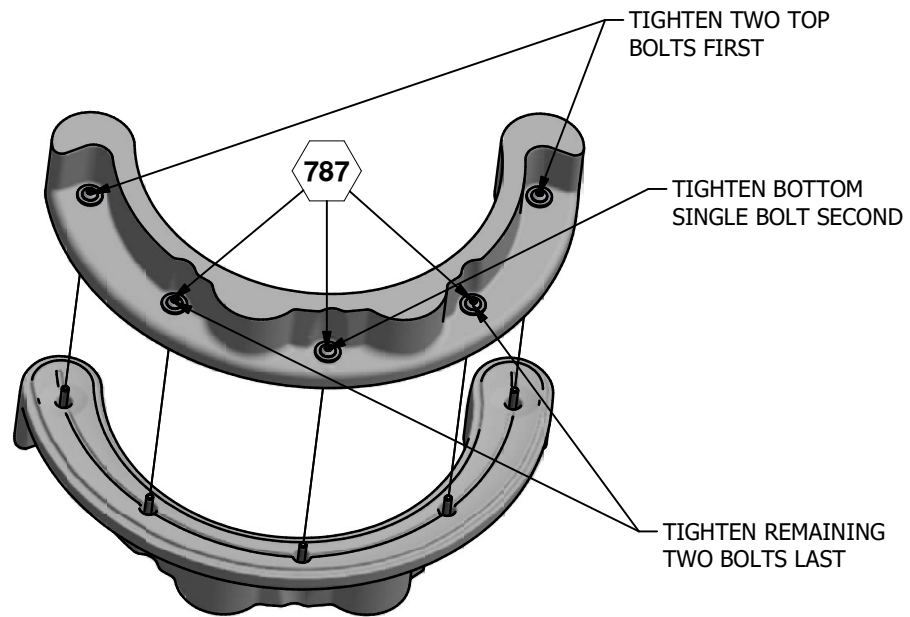
8. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.

9. After tightening all the slide 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.

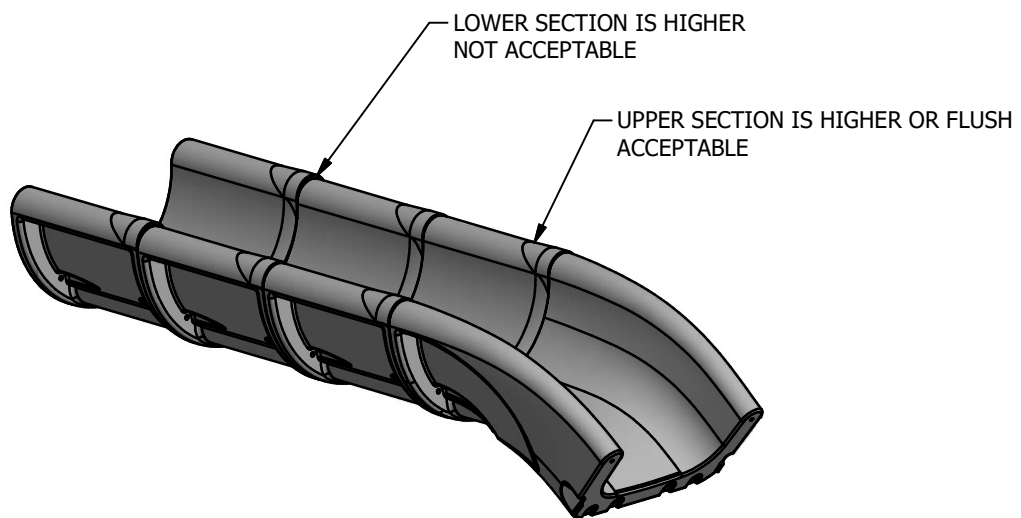
10. After the slide is adjusted and the bolts are tight, attach the slide supports and outrigger using Detail 788 and 840.

11. Fill inserts in Straight Section using Detail 789.

Note: The distance from the inside surface of the Spiral section to the Uprights must exceed 21".



**FIGURE #1**



**FIGURE #2**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SINGLE ZIP SLIDE HOOD	1	203858
2	SINGLE ENTRANCE SECTION	1	205960
3	STRAIGHT SECTION	1	205962
4	HELIX SPIRAL 140 DEGREES	1	210735
5	HELIX SPIRAL	1	206170
6	LONG EXIT SECTION	1	211303
7	FOOTBUCK WELD ASS'Y	1	204879
8	SUPPORT ASS'Y 1	1	312634
9	OUTRIGGER	1	209049
10	SUPPORT WELD ASS'Y	1	208976
	<b>HARDWARE COMPLETE</b>	1	211719
	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	6	812050*
	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	19	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	3	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	812058*
	3/8" FLAT WASHER	8	817410*
	3/8" FLAT WASHER (1" O.D.)	2	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	25	817424*
	3/8" LOCK WASHER	34	817334*
	1/2" FLAT WASHER (1 3/8" O.D.)	21	817425*
	3/8" BARREL NUT LONG	20	804820*

*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.**

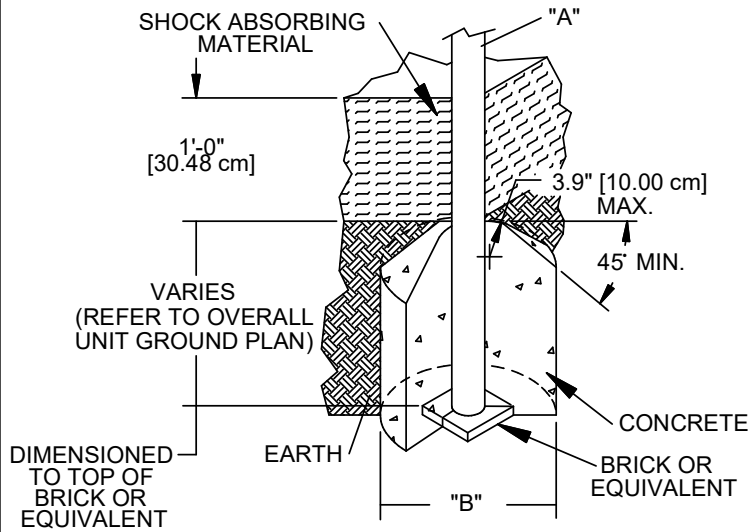
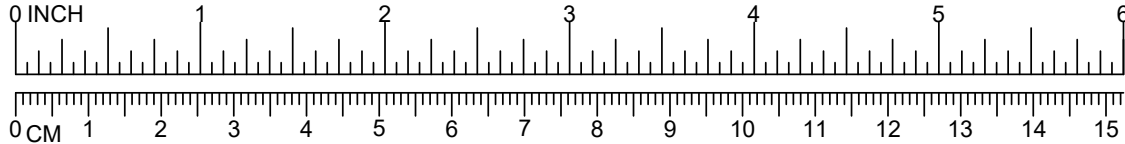
# DETAILS -for- 90842

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.



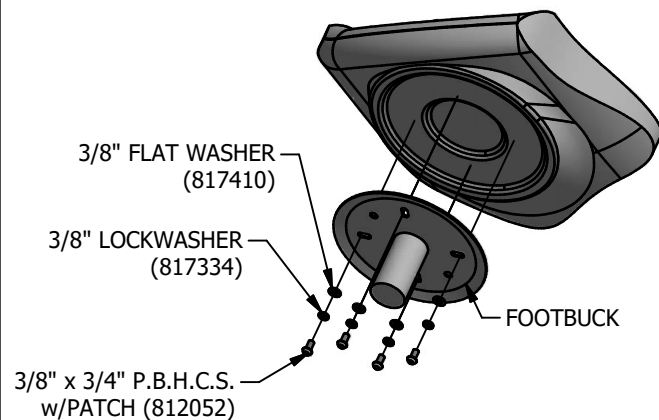
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

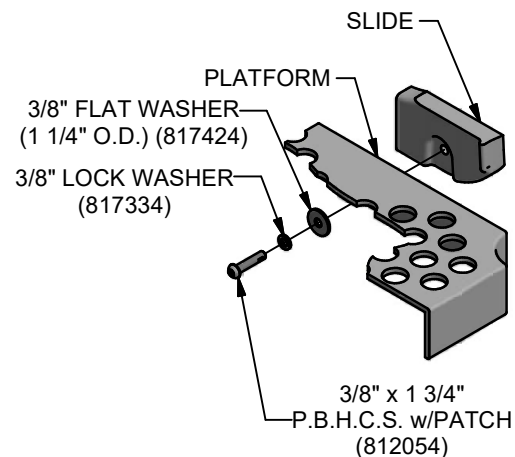
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

032



SOME SLIDES WILL  
ONLY HAVE TWO BOLT  
CONNECTIONS PER  
FOOTBUCK

319



356



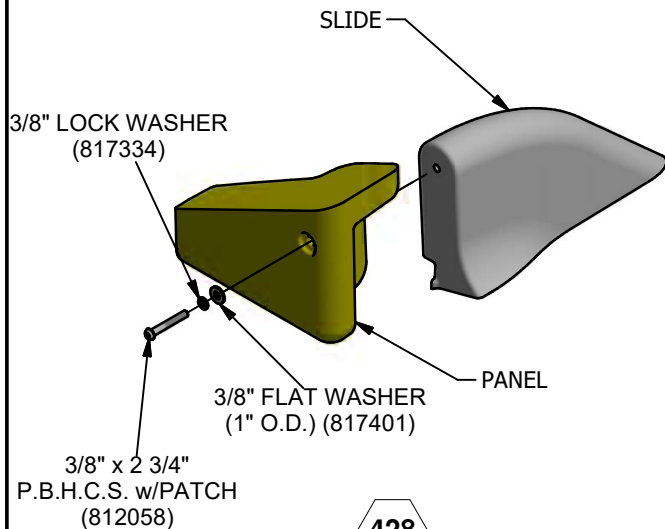
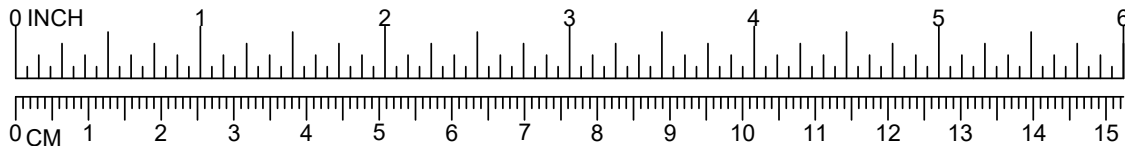
# DETAILS -for- 90842

IMPORTANT

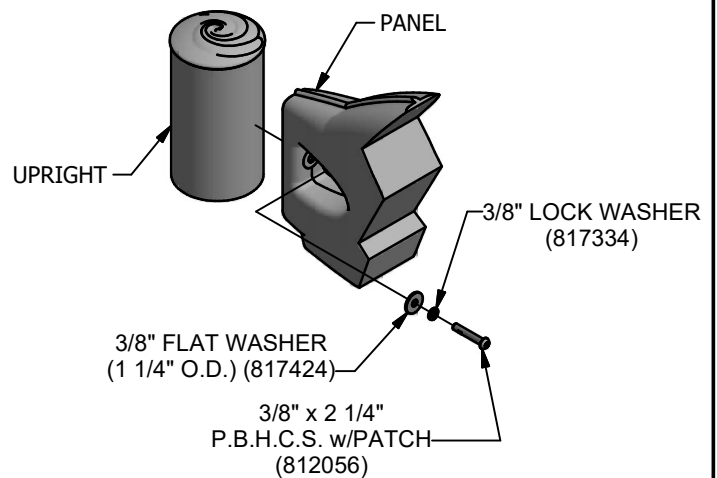
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

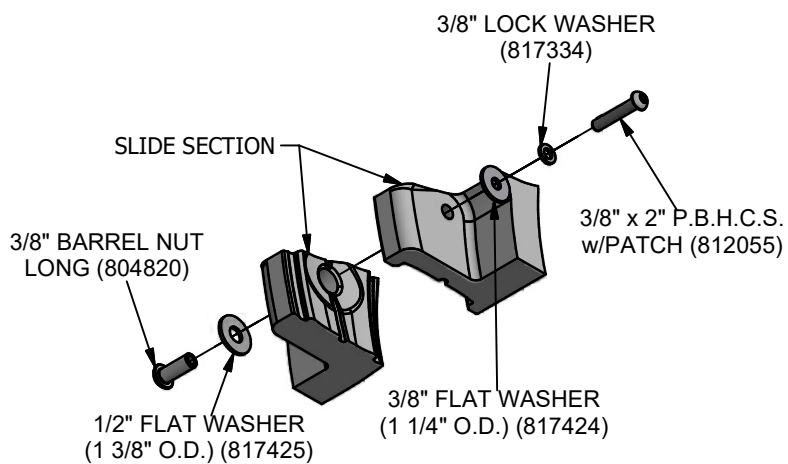
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



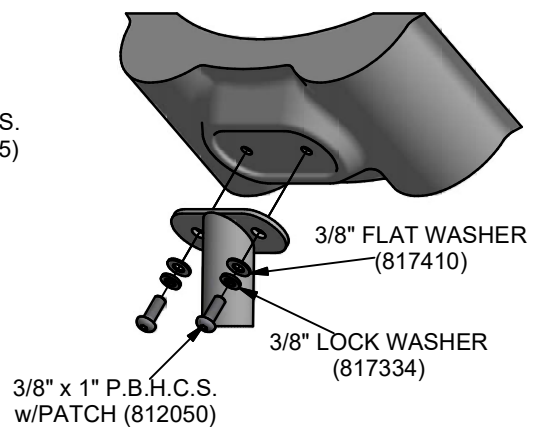
428



675



787



788

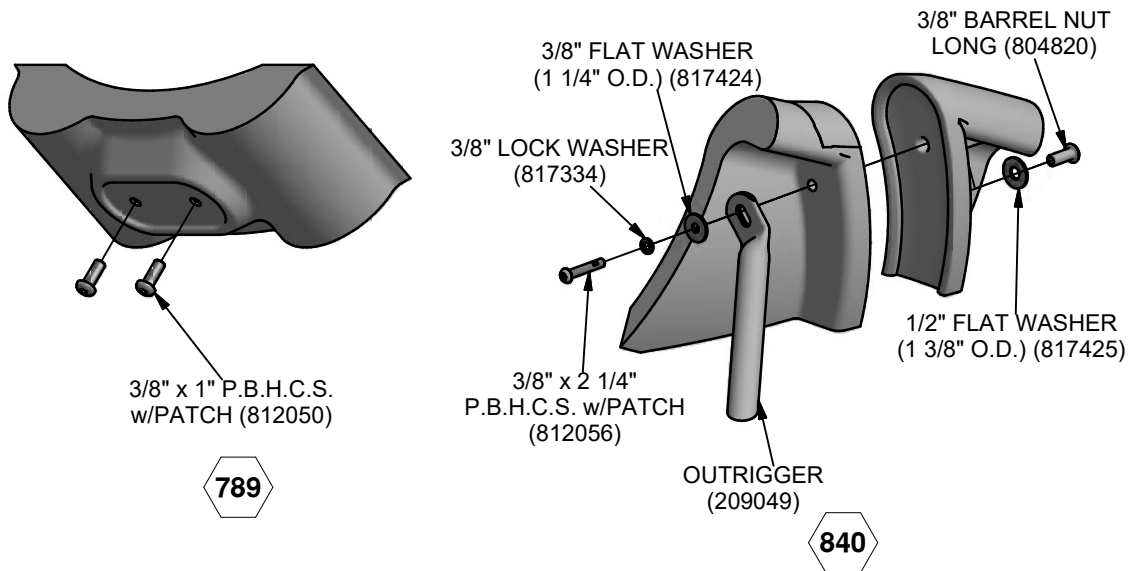
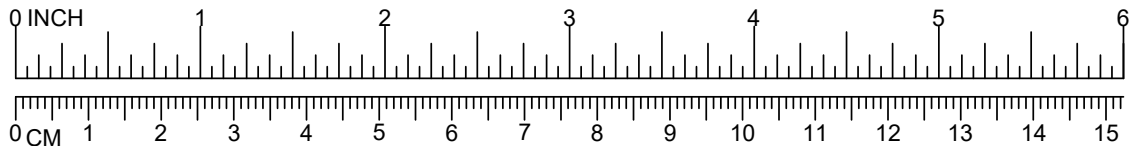
## DETAILS -for- 90842

IMPORTANT

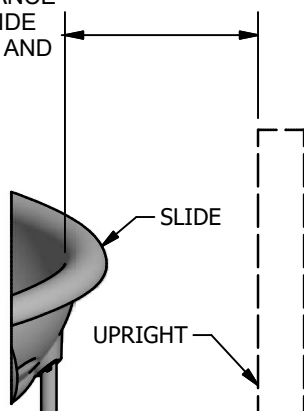
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



21" MIN. CLEARANCE  
BETWEEN INSIDE  
WALL OF SLIDE AND  
UPRIGHT



909

# PowerScape®



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 09/11/20

## 91139 ENTRYWAY



91146  
2'-6"  
OR  
BELOW

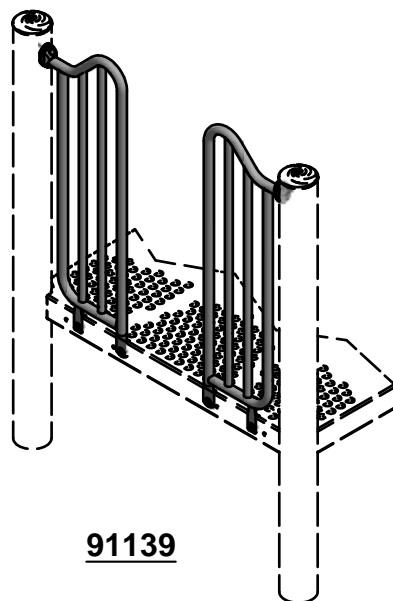


91139

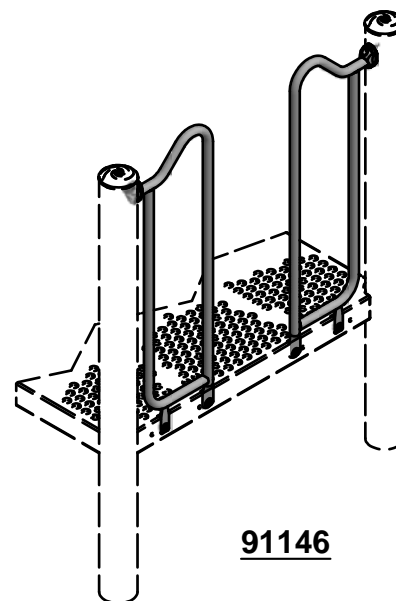


91146  
4'-0"  
OR  
BELOW

**BARRIER** 91139  
**GUARDRAIL** 91146



**91139**

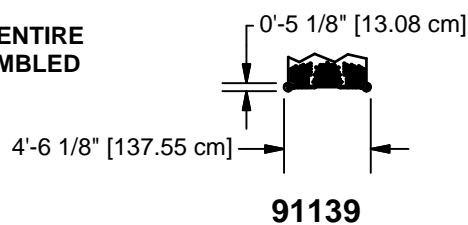


**91146**

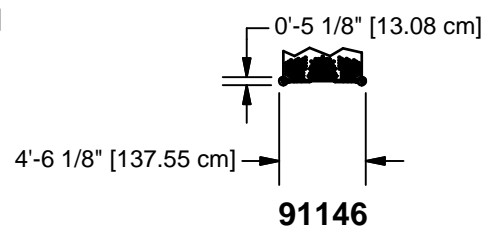
### ASSEMBLY VIEWS

### INSTALLATION INSTRUCTIONS

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

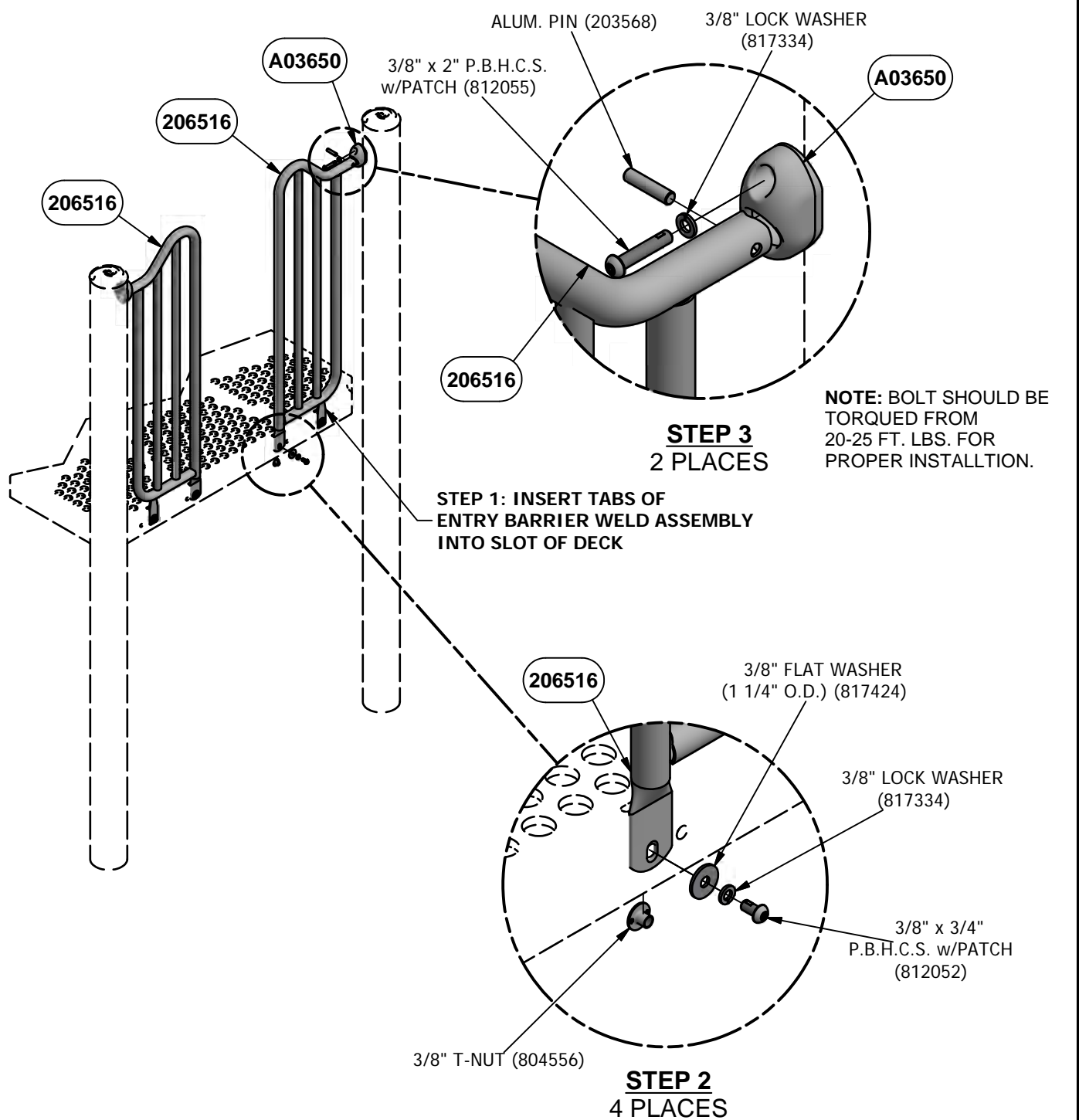
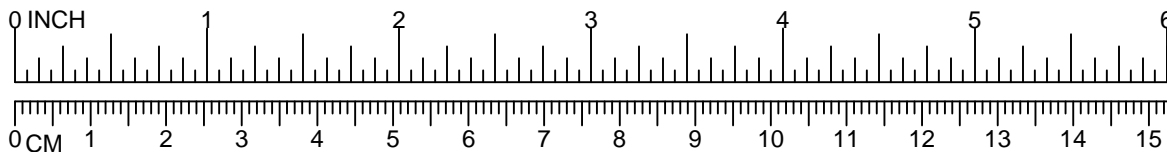


**91139**



**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
<b>HARDWARE COMPLETE</b>	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*

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

*\* Included in Hardware*

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

### **MAINTENANCE PROCEDURE:**

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

# PowerScape®



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1-800-235-2440

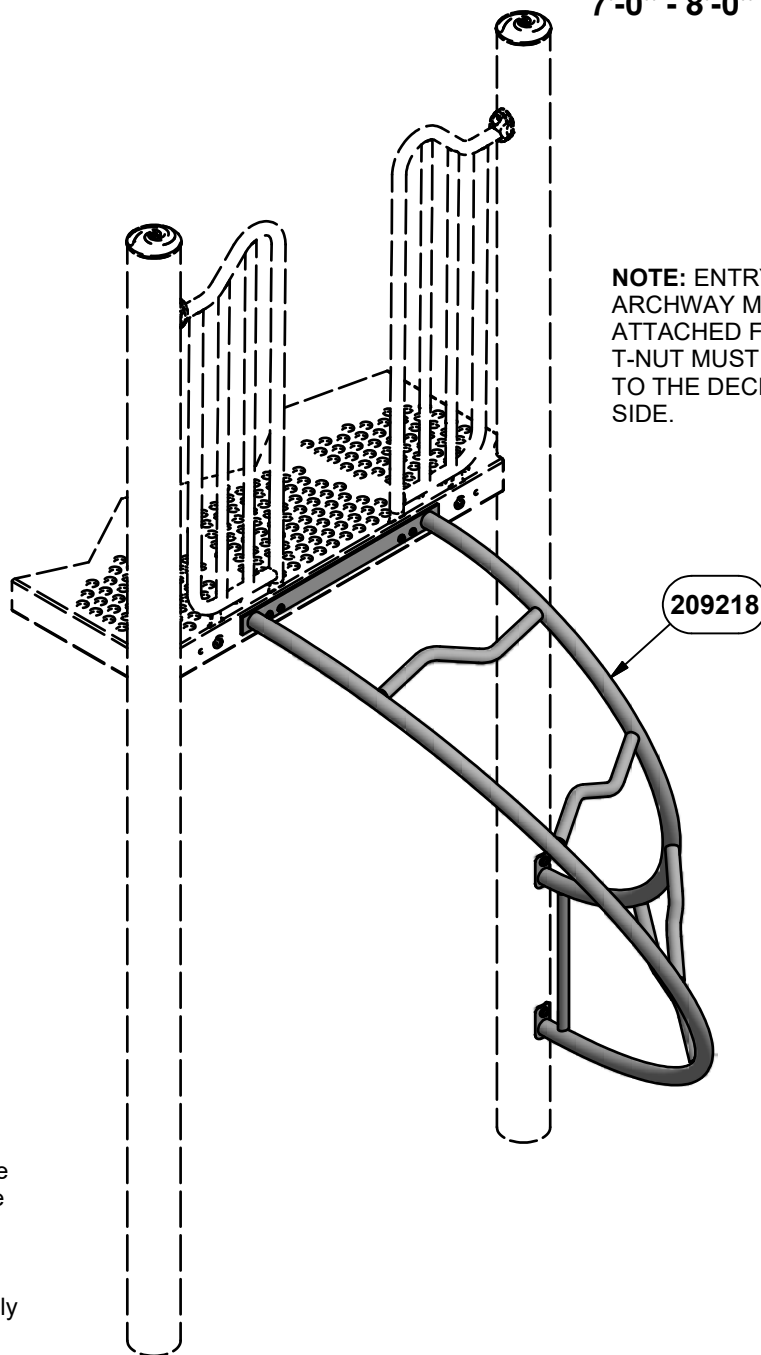
ISSUED/REVISED: 5/4/2022

91321

## ERRATIC CLIMBER



4'-0" - 5'-0"	91321
5'-6" - 6'-6"	91322
7'-0" - 8'-0"	91323

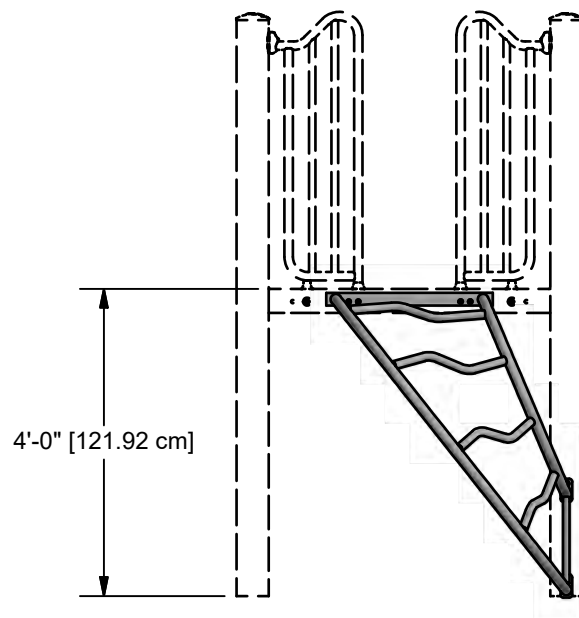


**NOTE:** ENTRYWAY OR  
ARCHWAY MUST BE  
ATTACHED FIRST.  
T-NUT MUST ATTACH  
TO THE DECK FACE  
SIDE.

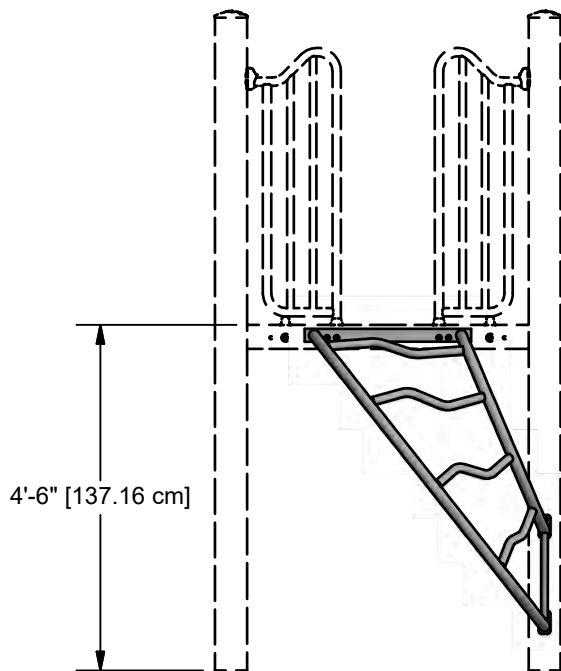
### INSTALLATION INSTRUCTIONS

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3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
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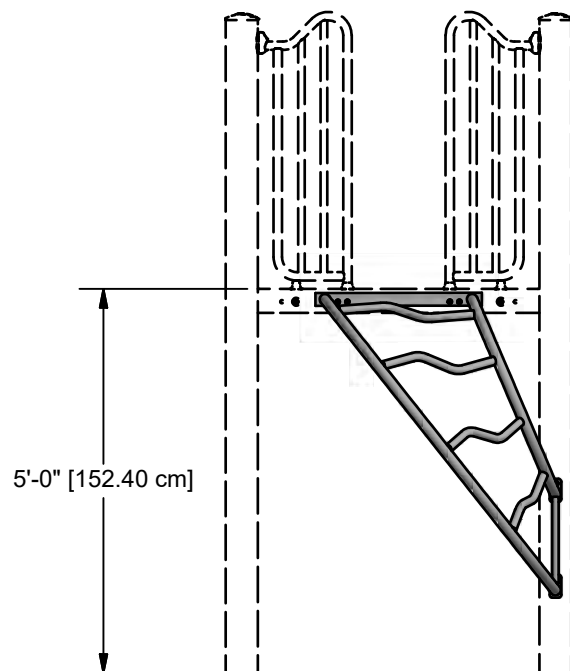
**ASSEMBLY VIEW**  
91322 SHOWN  
OTHERS SIMILAR



**4'-0" VIEW**  
91321

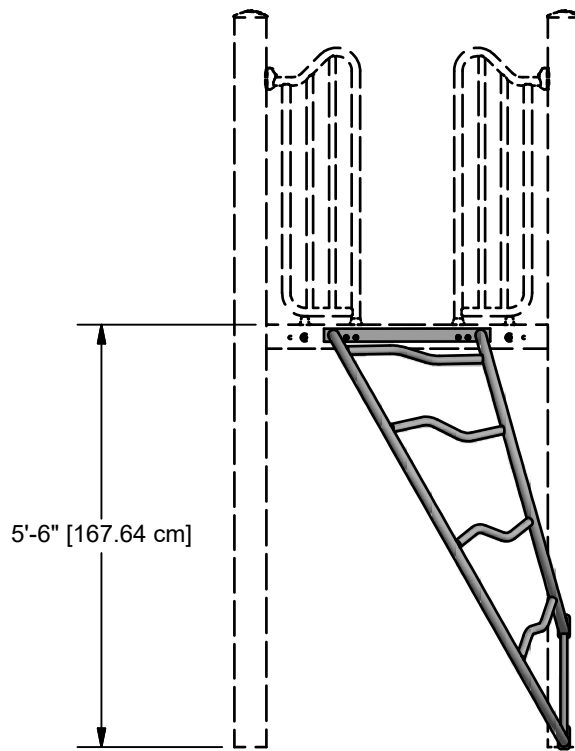


**4'-6" VIEW**  
91321

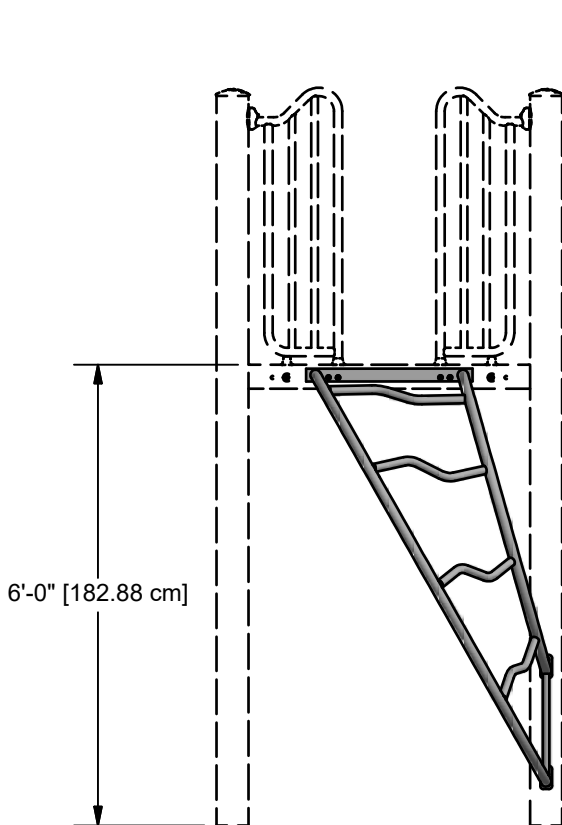


**5'-0" VIEW**  
91321

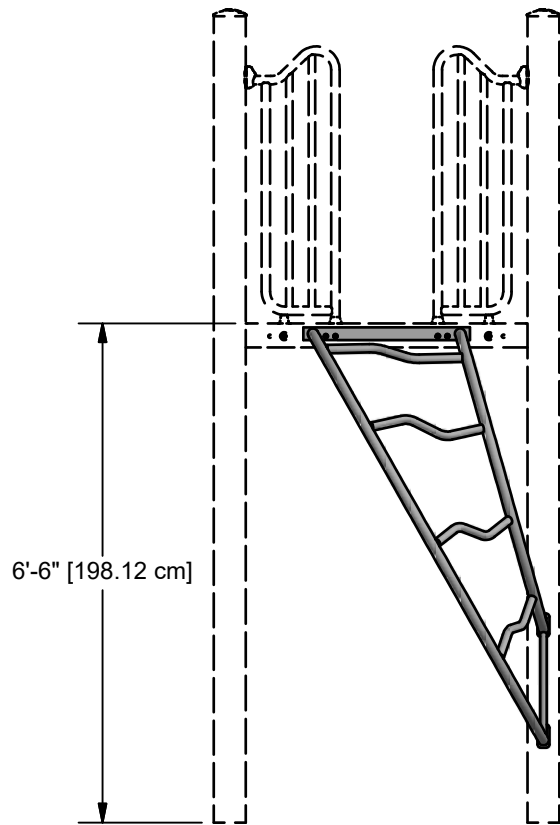
**DECK HEIGHT**  
**ELEVATIONS**



**5'-6" VIEW**  
91322



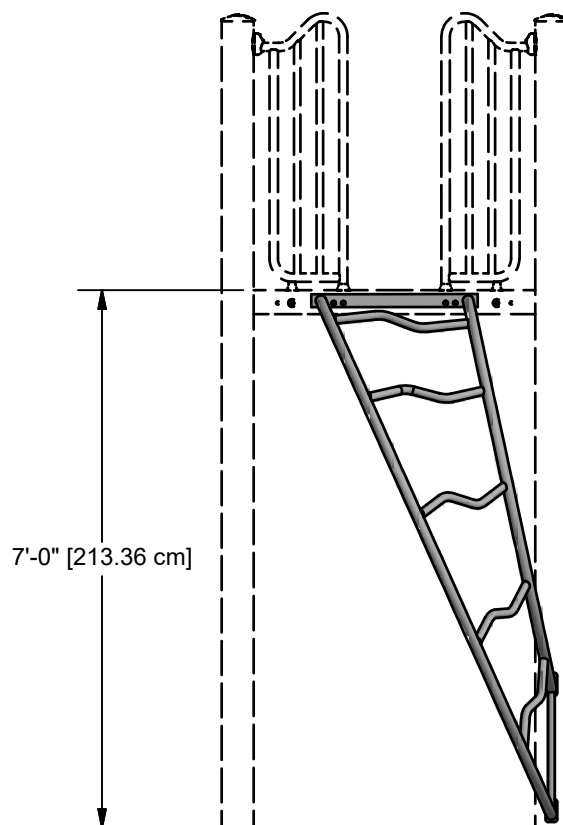
**6'-0" VIEW**  
91322



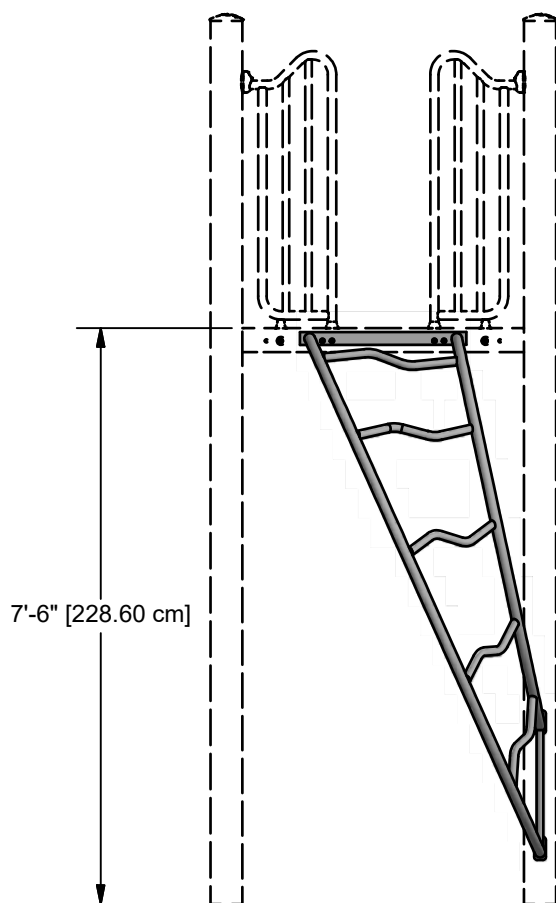
**6'-6" VIEW**  
91322

**DECK HEIGHT**  
**ELEVATIONS**

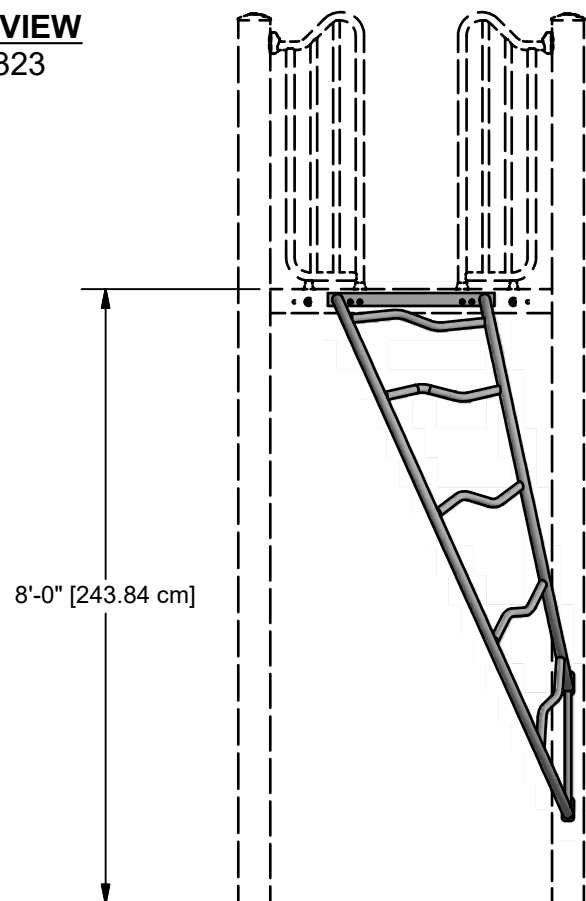




**7'-0" VIEW**  
91323

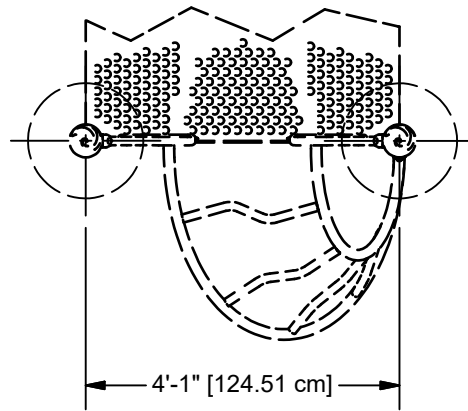


**7'-6" VIEW**  
91323

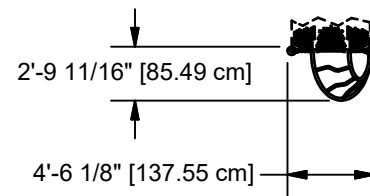


**8'-0" VIEW**  
91323

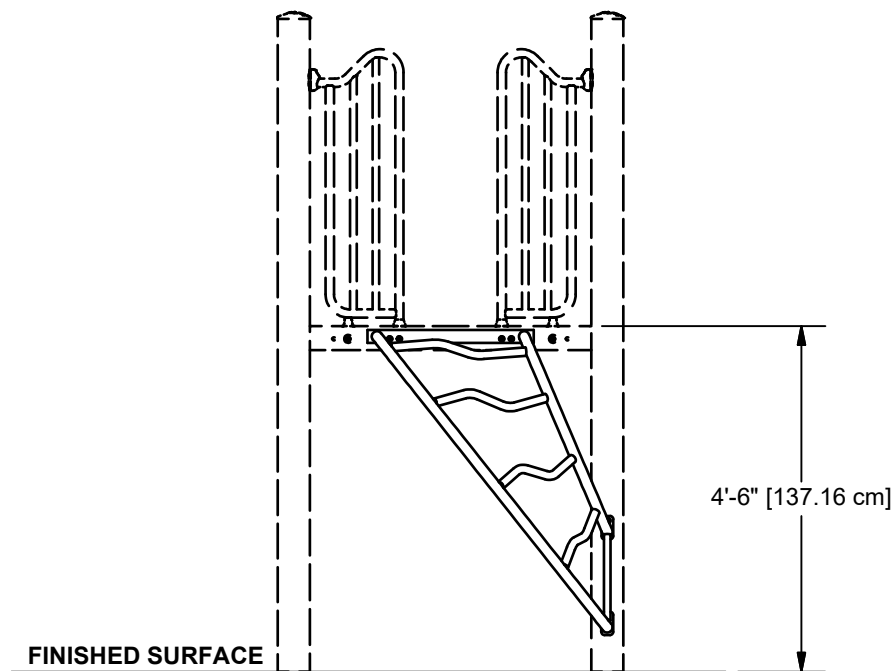
**DECK HEIGHT**  
**ELEVATIONS**



**PLAN VIEW**

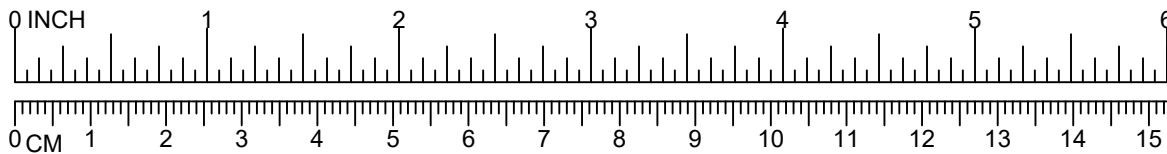


**TOP VIEW**

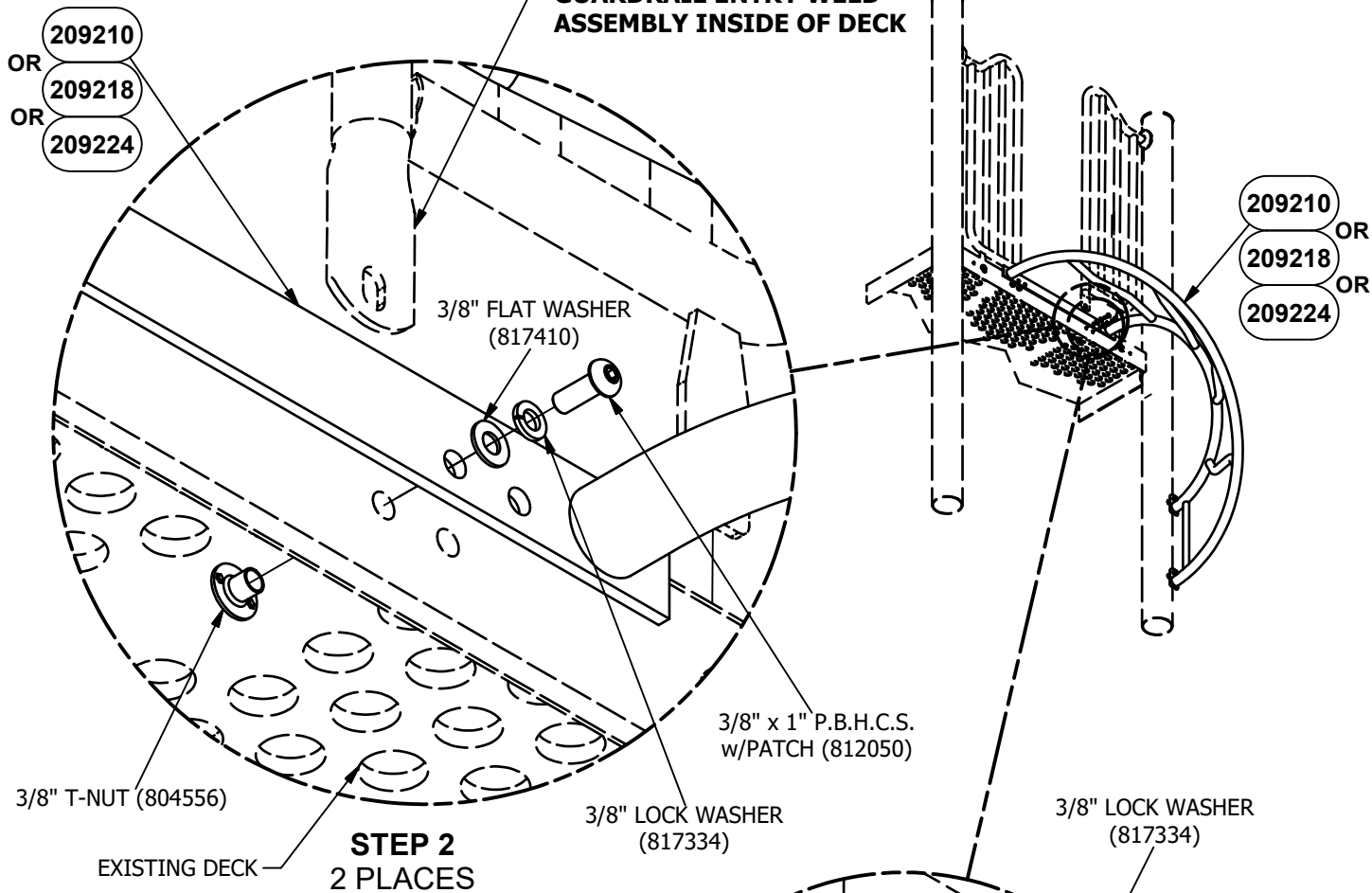


**ELEVATION VIEW**

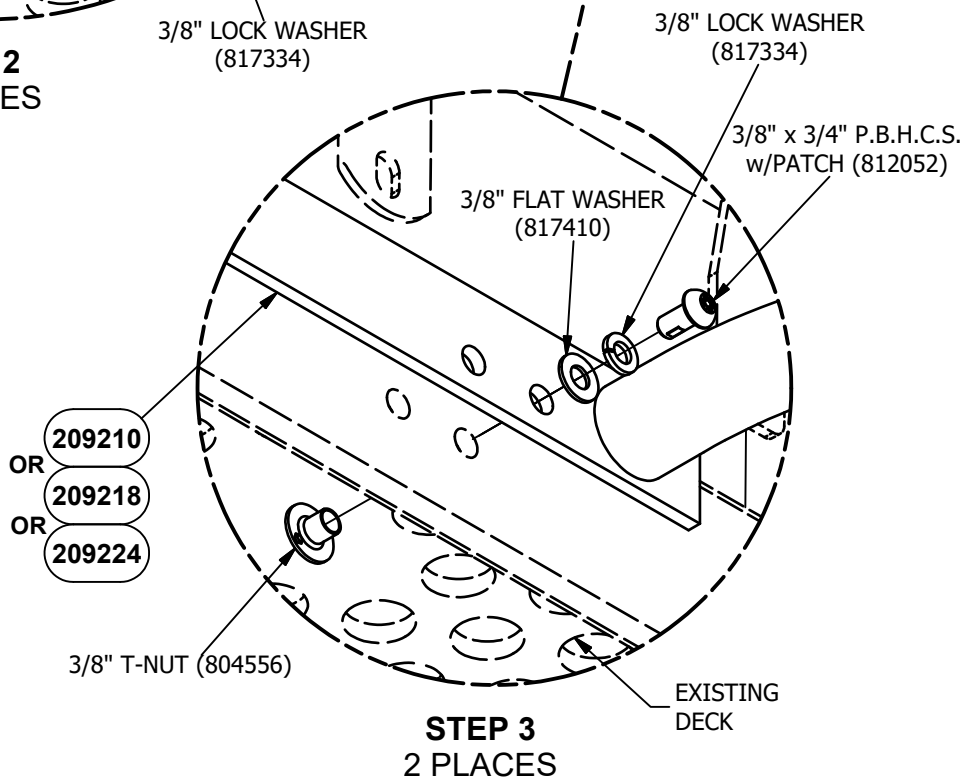
4'-6" SHOWN  
OTHERS SIMILAR



**STEP 1: ATTACH TAB OF  
GUARDRAIL ENTRY WELD  
ASSEMBLY INSIDE OF DECK**

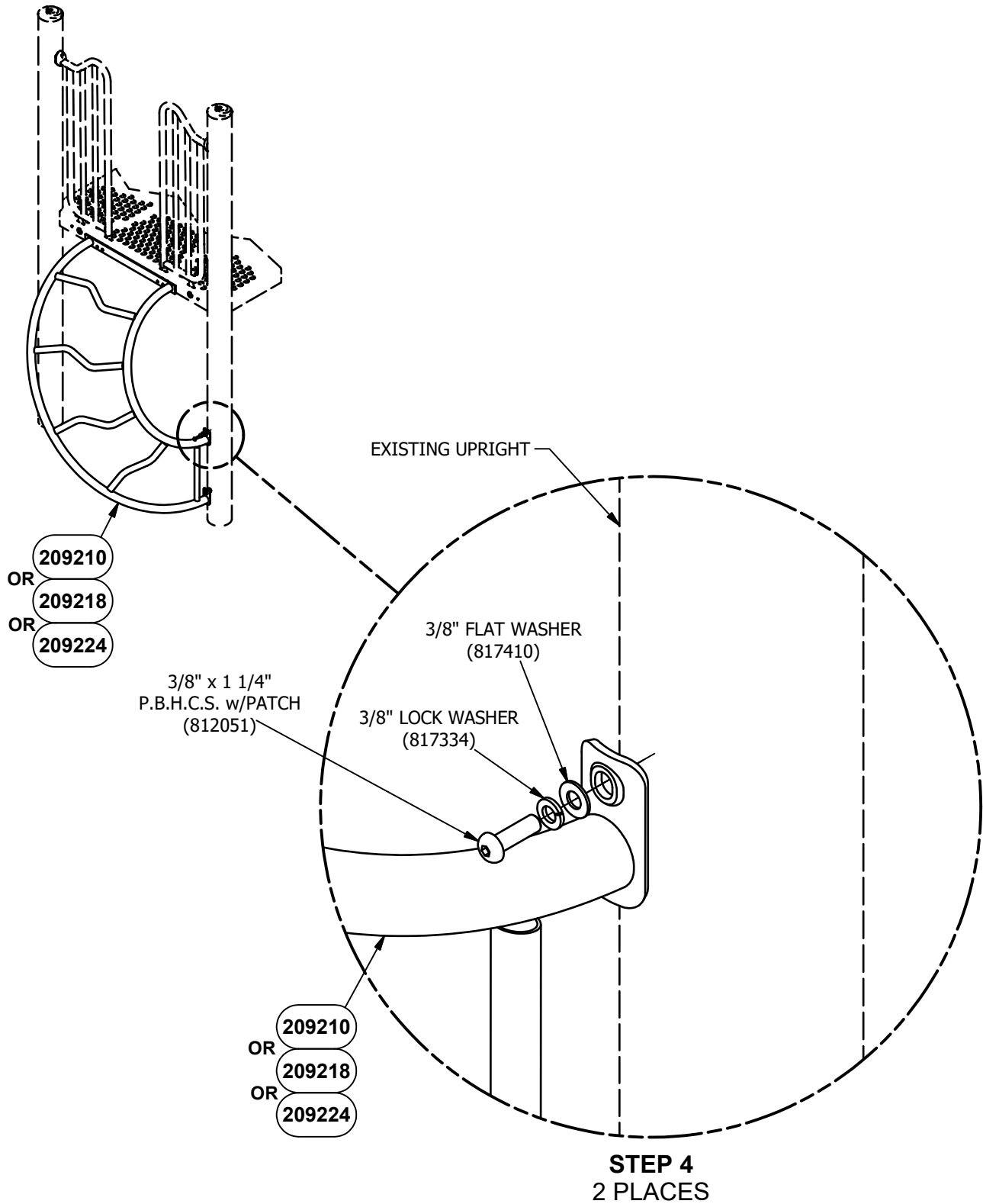
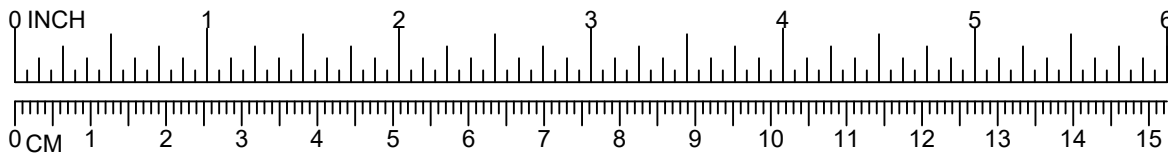


**STEP 2  
2 PLACES**



**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	91321	91322	91323	PART NUMBER
ERRATIC WELD ASSEMBLY	1	0	0	209210
ERRATIC WELD ASSEMBLY	0	1	0	209218
ERRATIC WELD ASSEMBLY	0	0	1	209224
<b>HARDWARE COMPLETE</b>	1	1	1	209234
3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	812052*
3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	812051*
3/8" FLAT WASHER	6	6	6	817410*
3/8" LOCK WASHER	6	6	6	817334*
3/8" T-NUT	4	4	4	804556*

*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 any non-patch hardware.**

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# 91334 CLIMBER OFFSET ENTRYWAY (BARRIER)

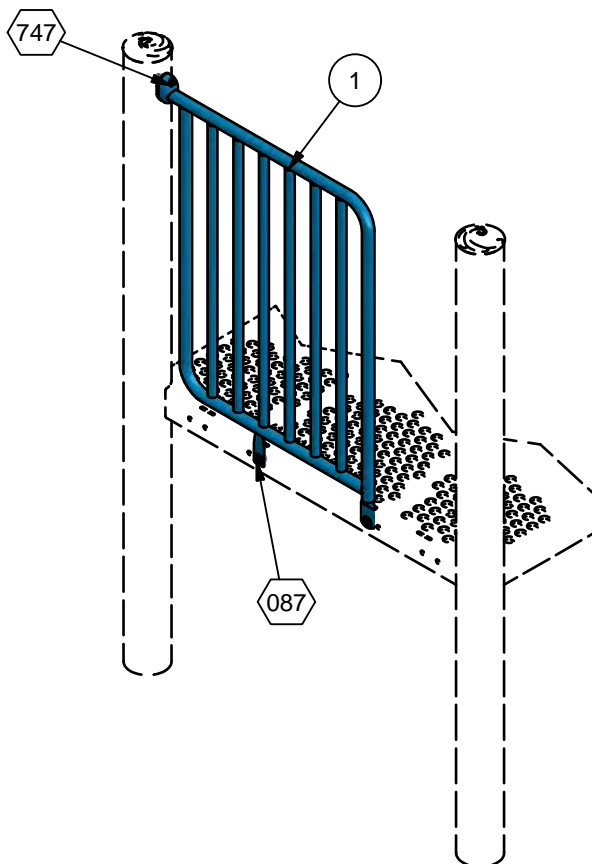
 INSTALLATION  
= DETAIL

 PARTS LIST  
= REFERENCE

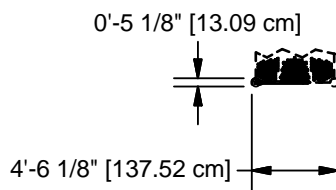


## INSTALLATION INSTRUCTIONS

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



**ASSEMBLY VIEW**



**TOP VIEW**

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	OFFSET BARRIER ENCLOSURE	1	211086
	TRU-LOC	1	A03650
	HARDWARE COMPLETE	1	211104
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" LOCKWASHER	2	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	ALUM. PIN	1	203568*
	3/8" x 2" P.B.H.C.S. w/PATCH	1	812055*

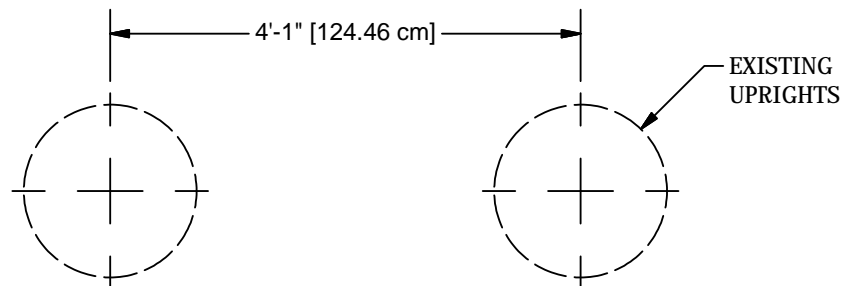
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### **GROUND PLAN**

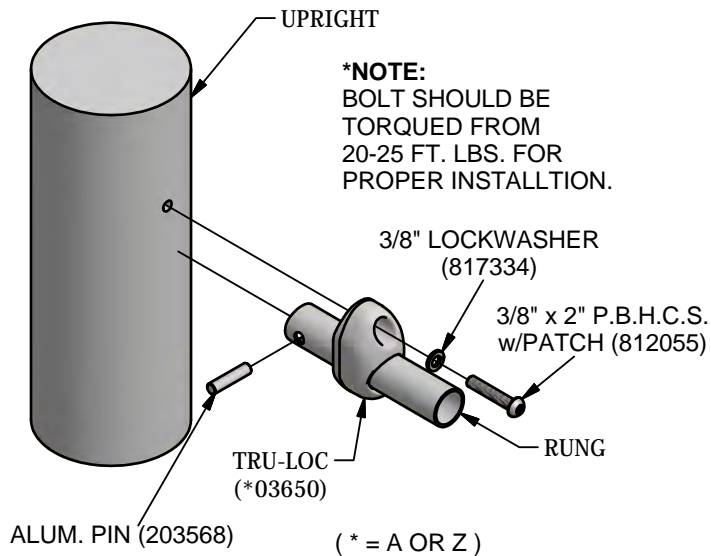
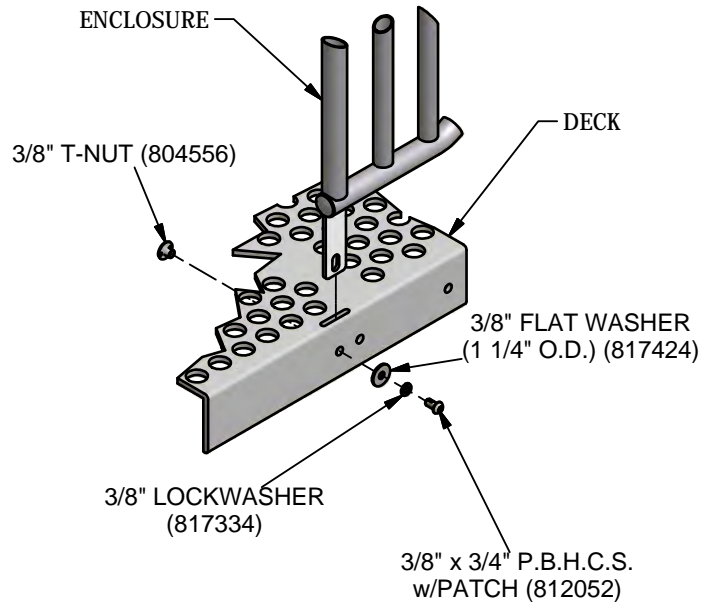
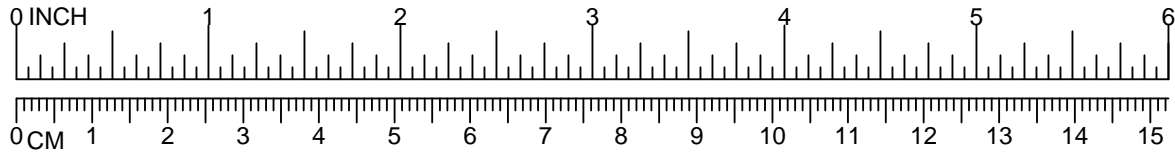
## DETAILS -for- 91334

### 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®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 2/28/2024

91680

## NARROWS CLIMBER

3'-0" THRU 4'-6"	91739
5'-0" THRU 7'-0"	91680
7'-6", 8'-0", 9'-0"	91740

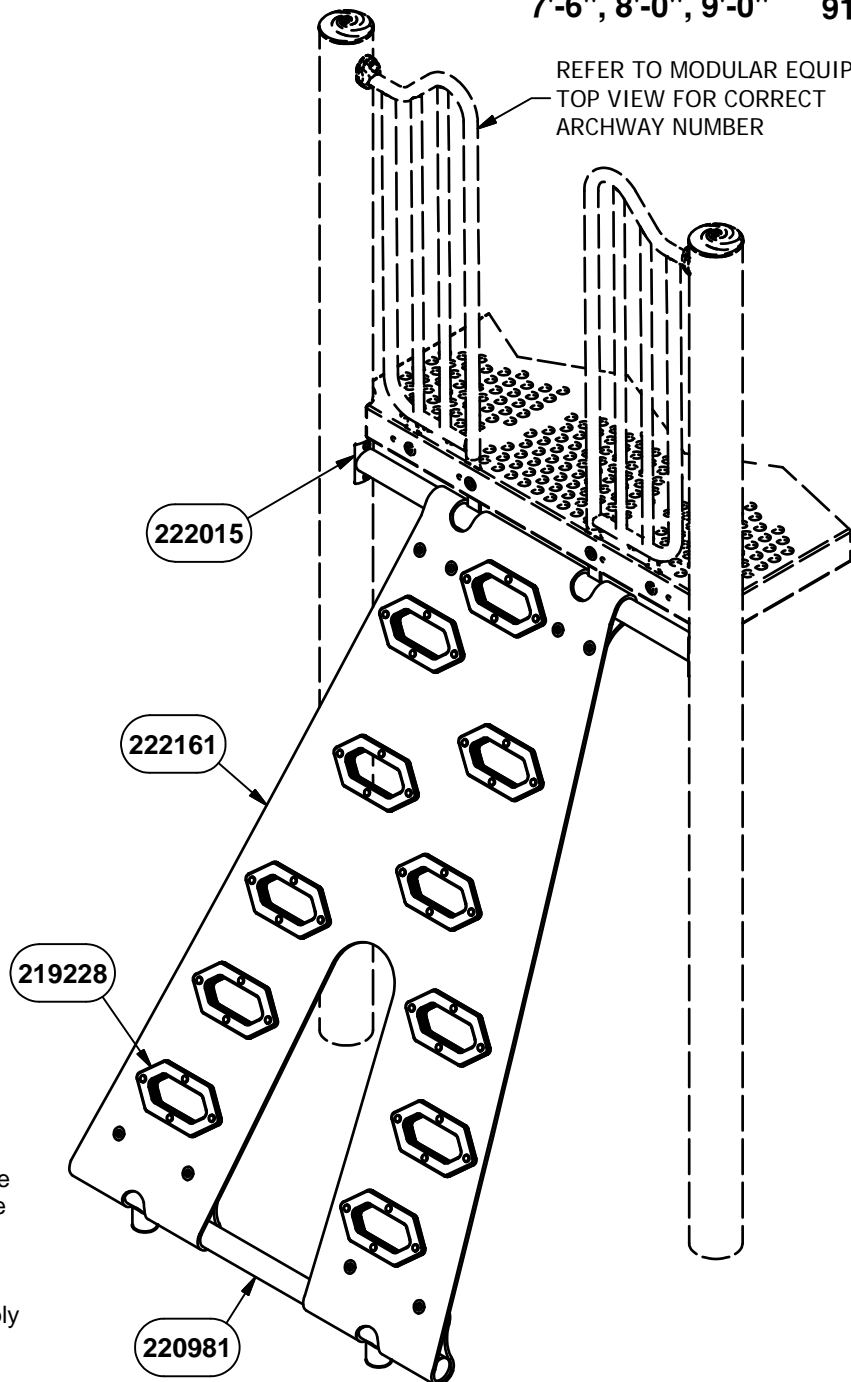


UP TO 5'



ALL  
DECK HEIGHTS

REFER TO MODULAR EQUIPMENT  
TOP VIEW FOR CORRECT  
ARCHWAY NUMBER



### ASSEMBLY VIEW

91680 SHOWN  
OTHER SIMILAR

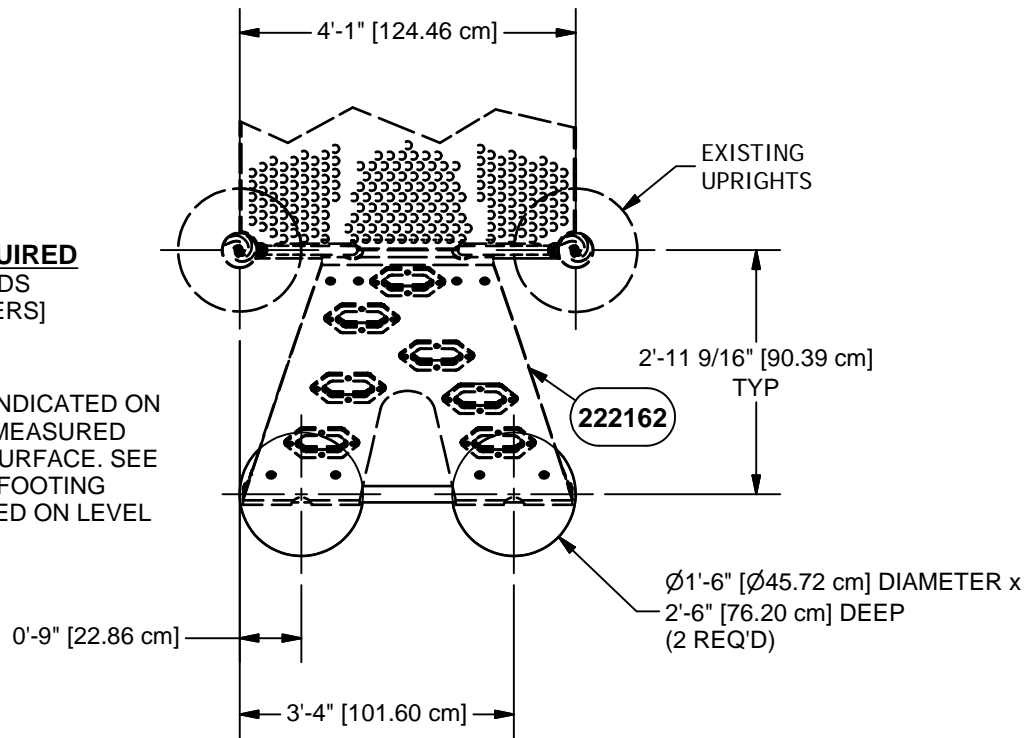
### INSTALLATION INSTRUCTIONS

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.**

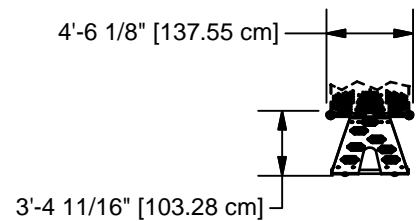
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

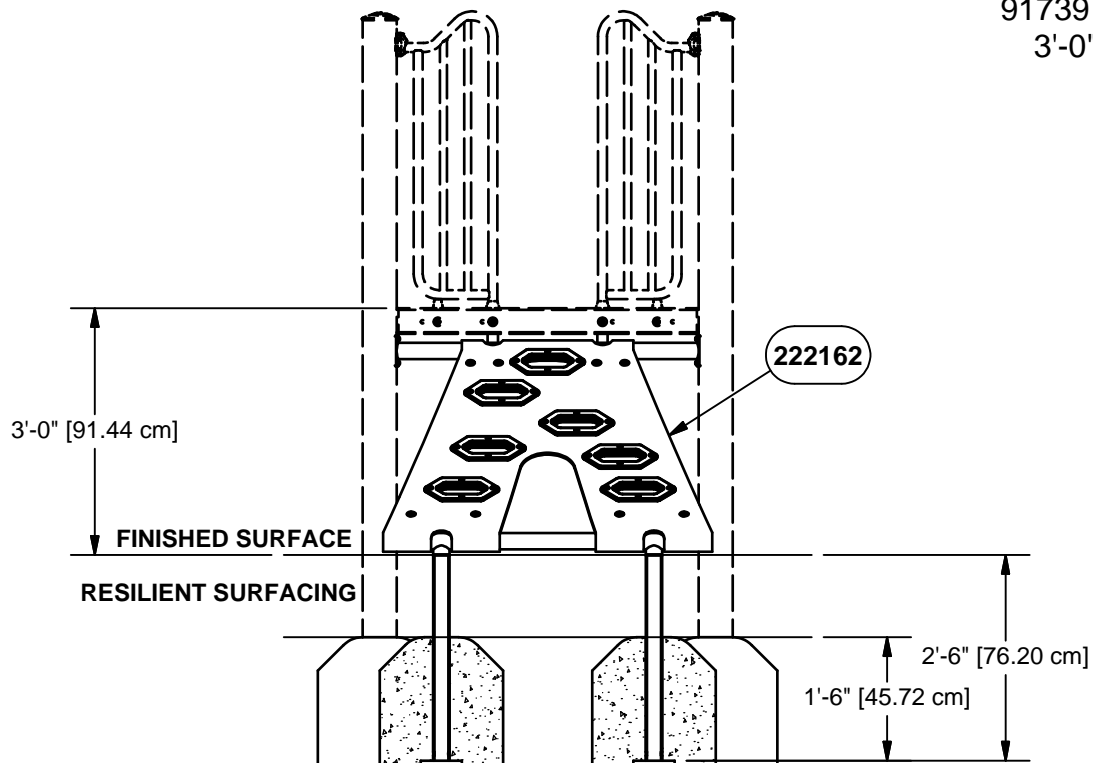
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW**  
91739 SHOWN  
3'-0" VIEW



**TOP VIEW**  
91739 SHOWN  
3'-0" VIEW

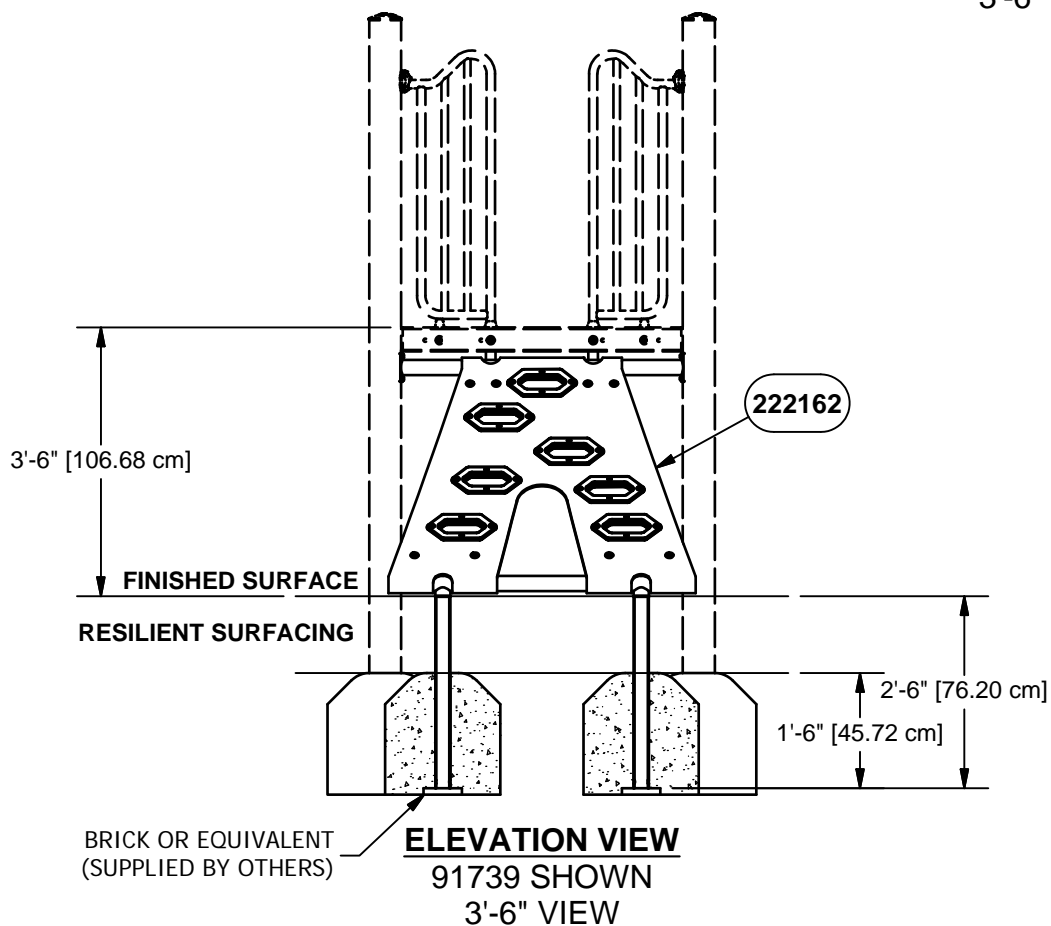
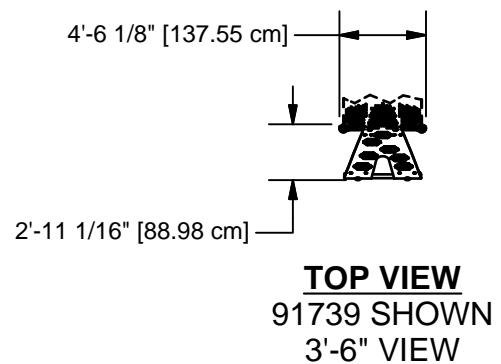
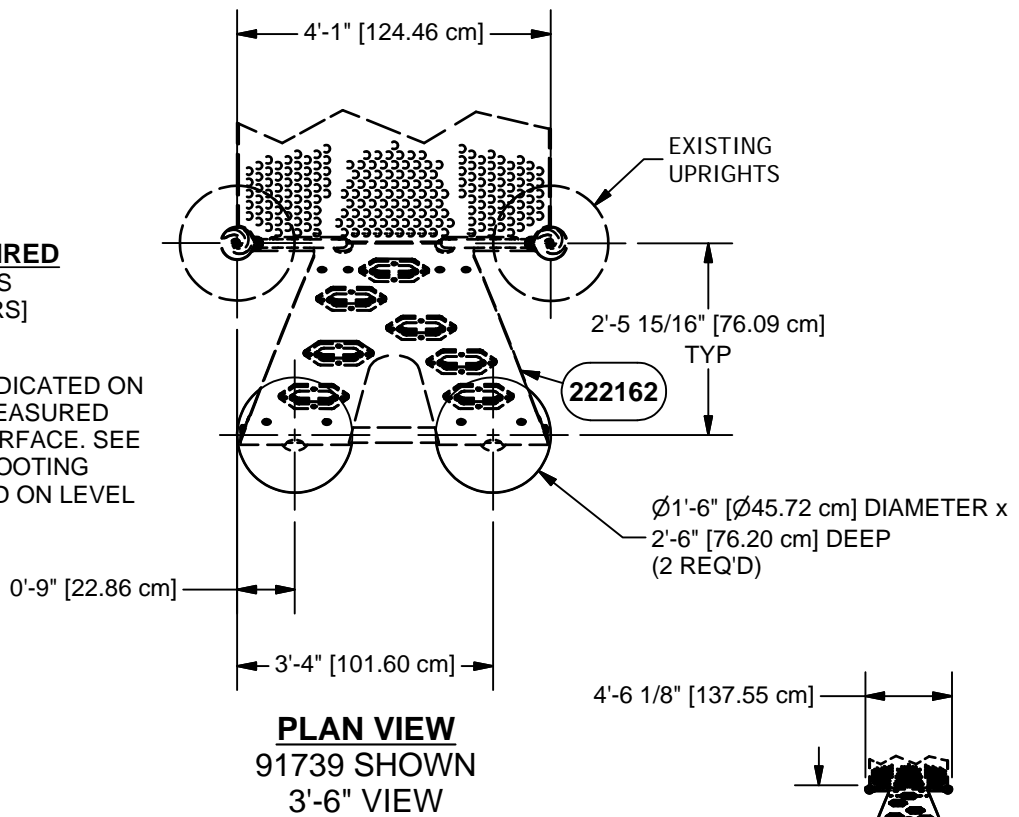


**ELEVATION VIEW**  
91739 SHOWN  
3'-0" VIEW

**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

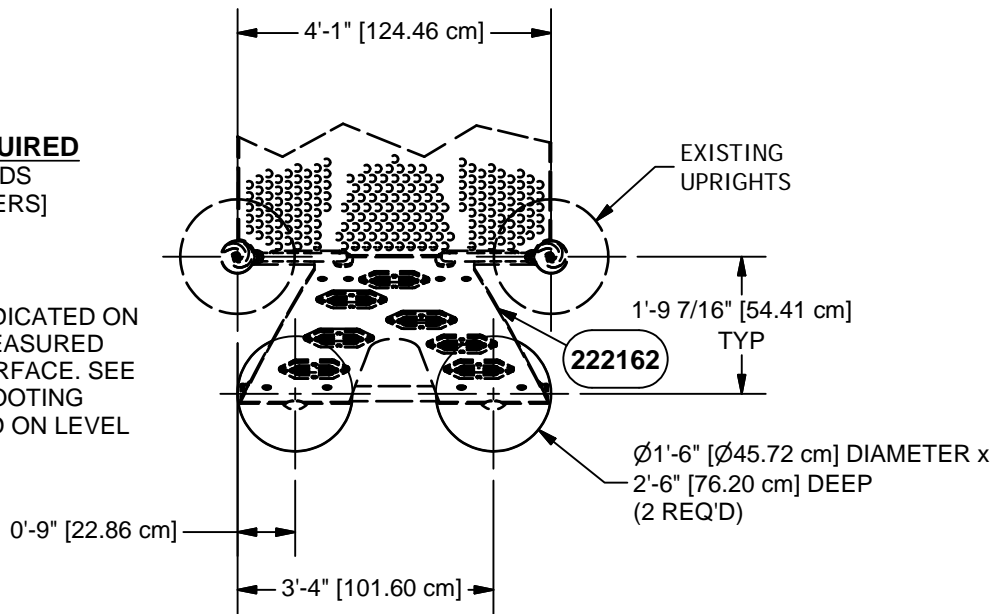
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



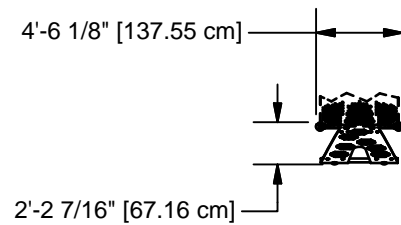
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

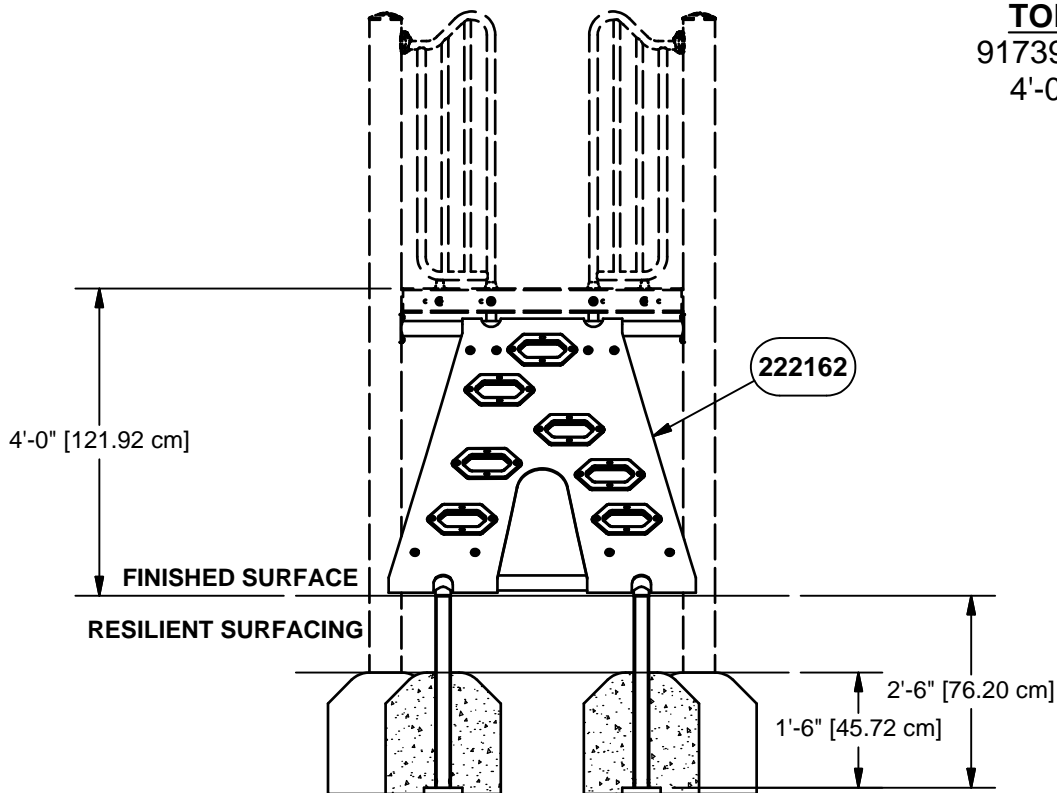
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW**  
91739 SHOWN  
4'-0" VIEW



**TOP VIEW**  
91739 SHOWN  
4'-0" VIEW

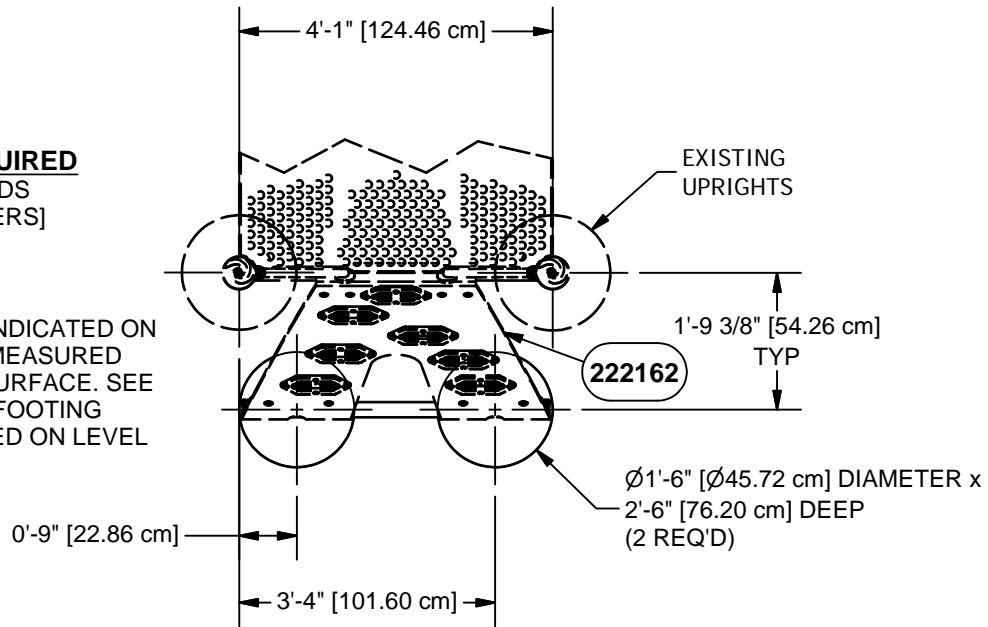


**ELEVATION VIEW**  
91739 SHOWN  
4'-0" VIEW

**CONCRETE REQUIRED**

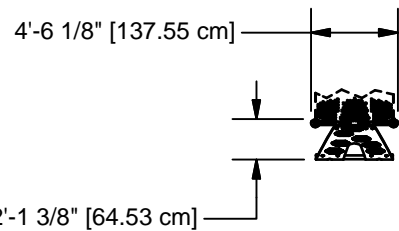
.20 CUBIC YARDS  
[.15 CUBIC METERS]

**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.



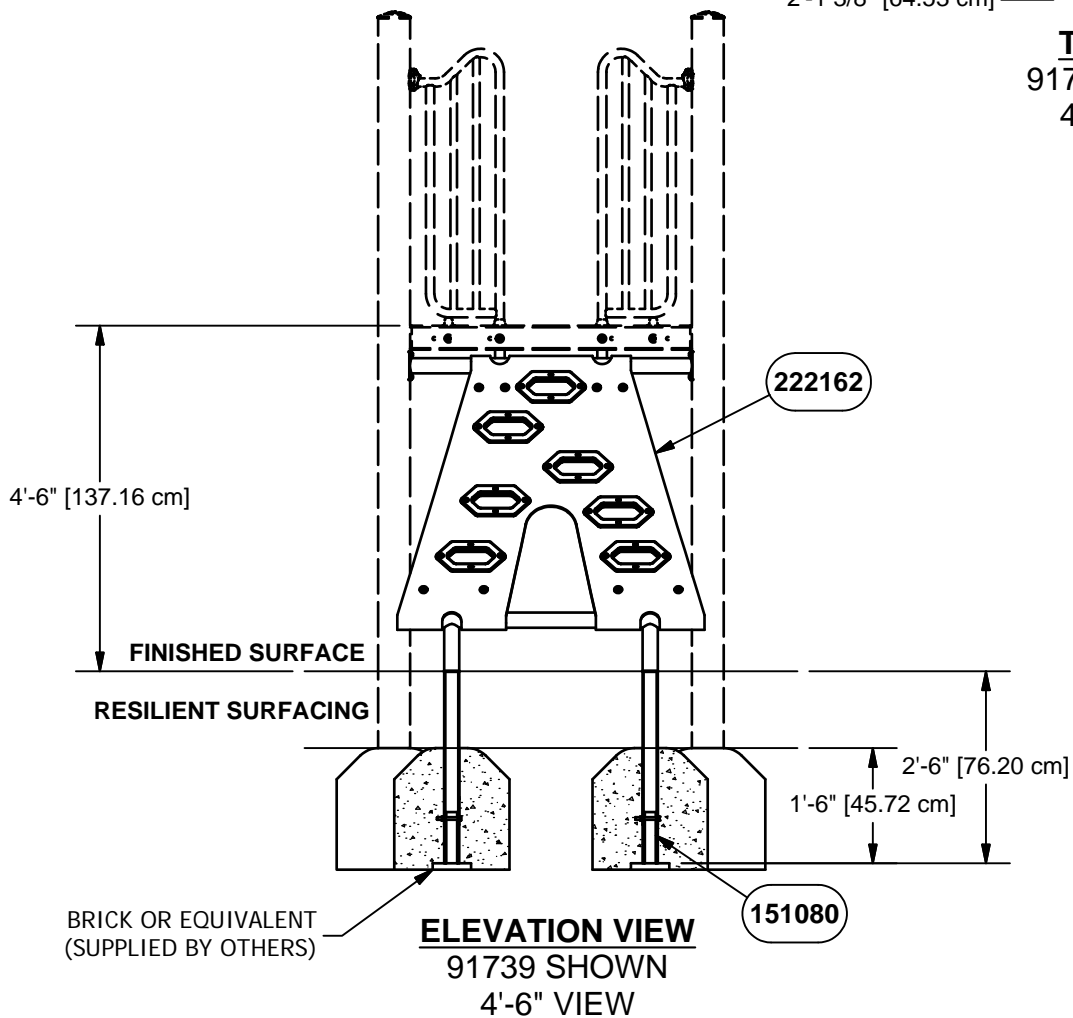
**PLAN VIEW**

91739 SHOWN  
4'-6" VIEW



**TOP VIEW**

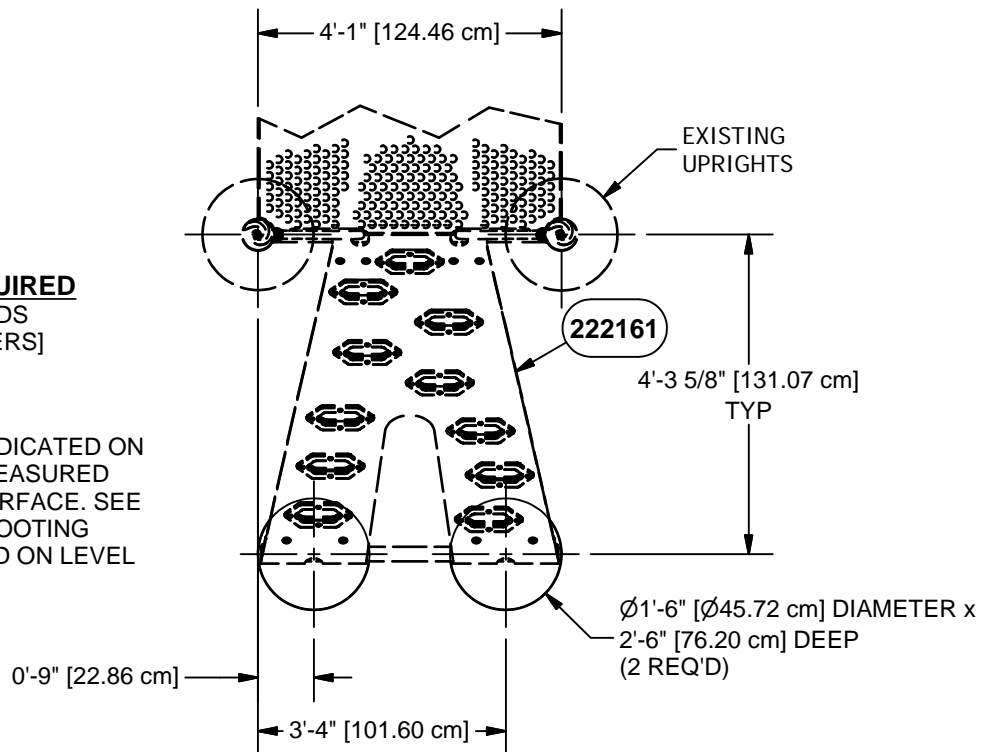
91739 SHOWN  
4'-6" VIEW



**CONCRETE REQUIRED**

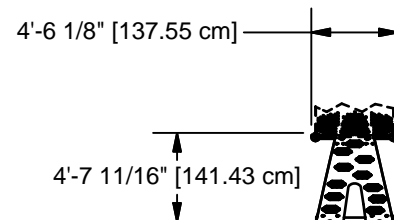
.20 CUBIC YARDS  
[.15 CUBIC METERS]

**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.



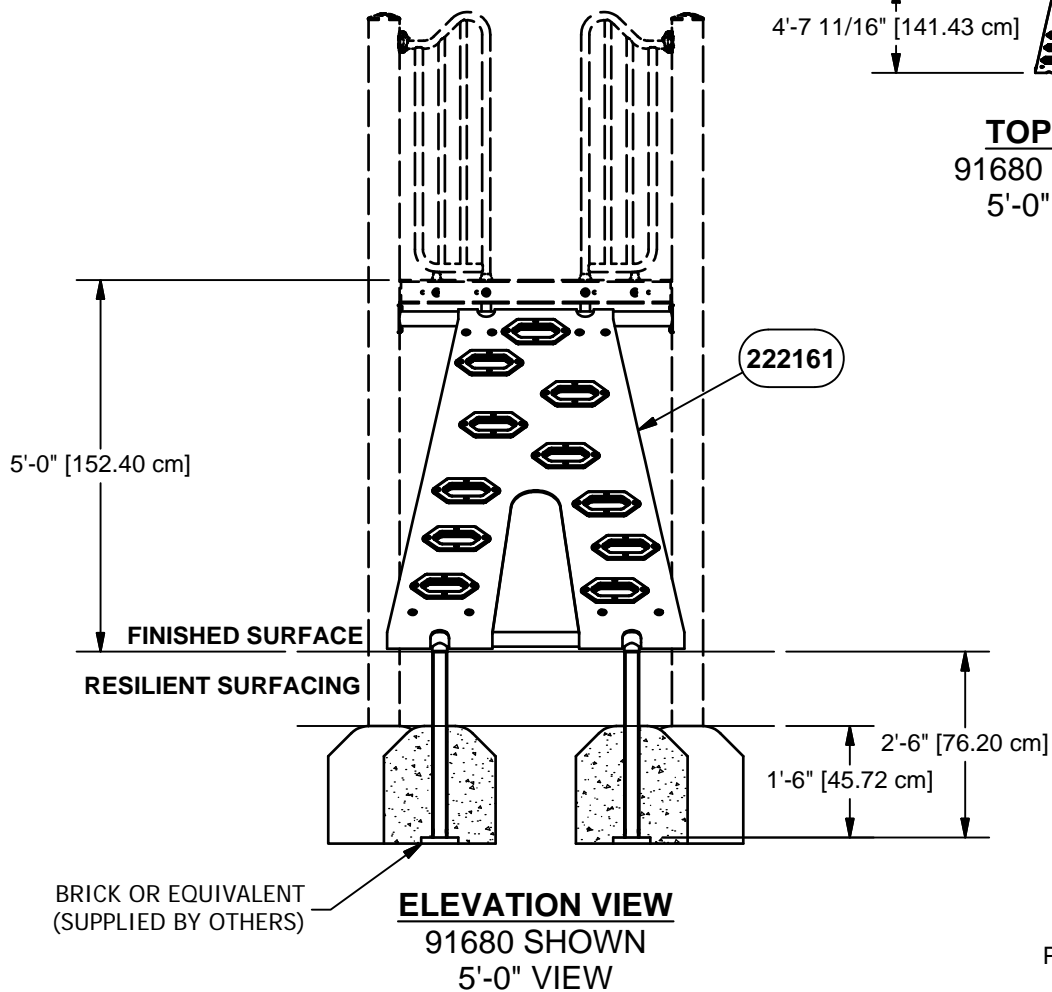
**PLAN VIEW**

91680 SHOWN  
5'-0" VIEW



**TOP VIEW**

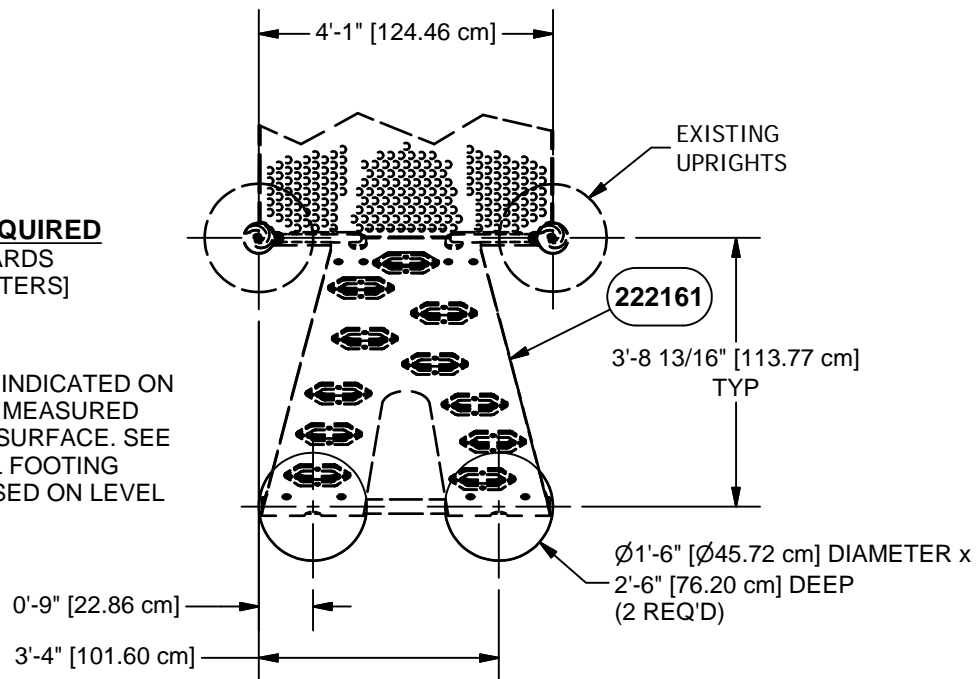
91680 SHOWN  
5'-0" VIEW



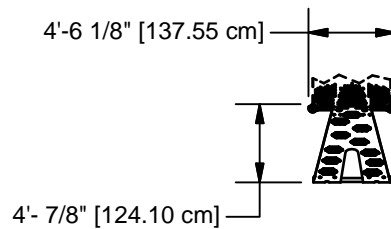
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

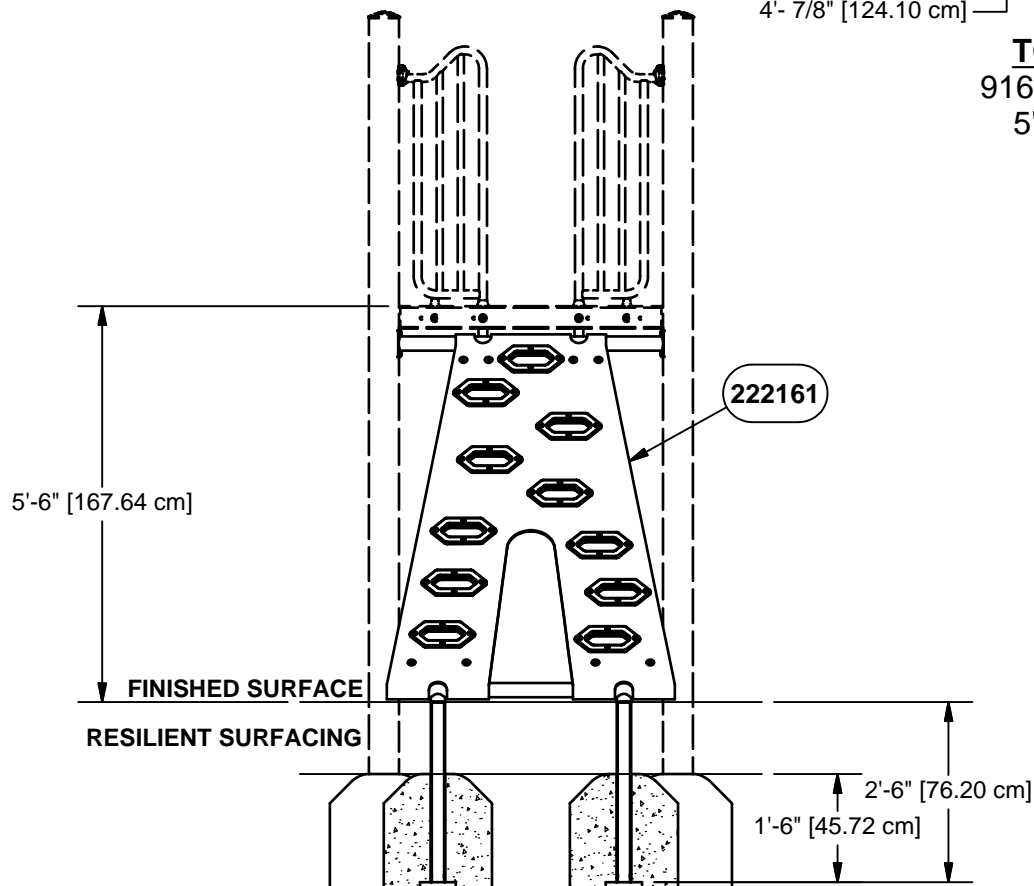
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW**  
91680 SHOWN  
5'-6" VIEW



**TOP VIEW**  
91680 SHOWN  
5'-6" VIEW



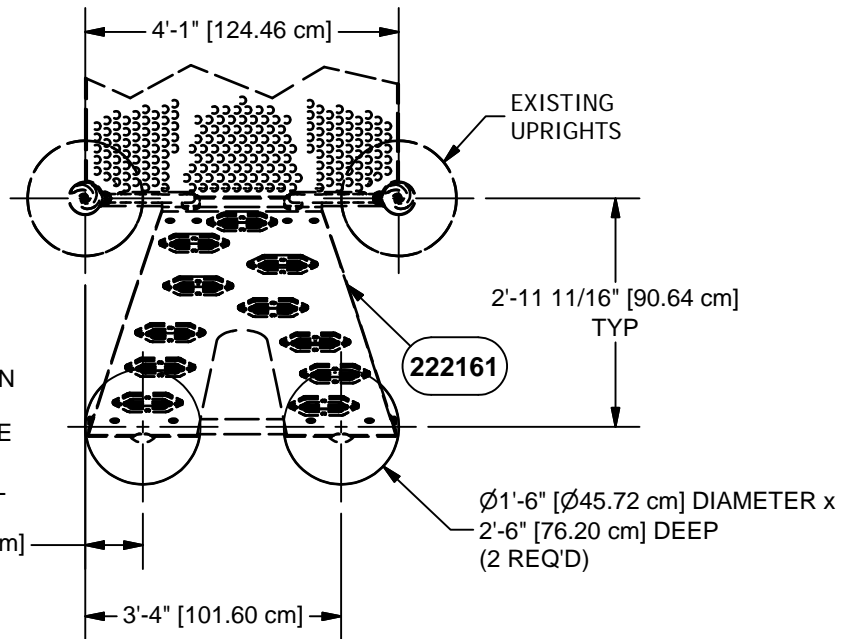
**ELEVATION VIEW**  
91680 SHOWN  
5'-6" VIEW

**CONCRETE REQUIRED**

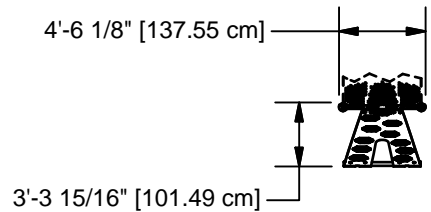
.20 CUBIC YARDS  
[.15 CUBIC METERS]

**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.

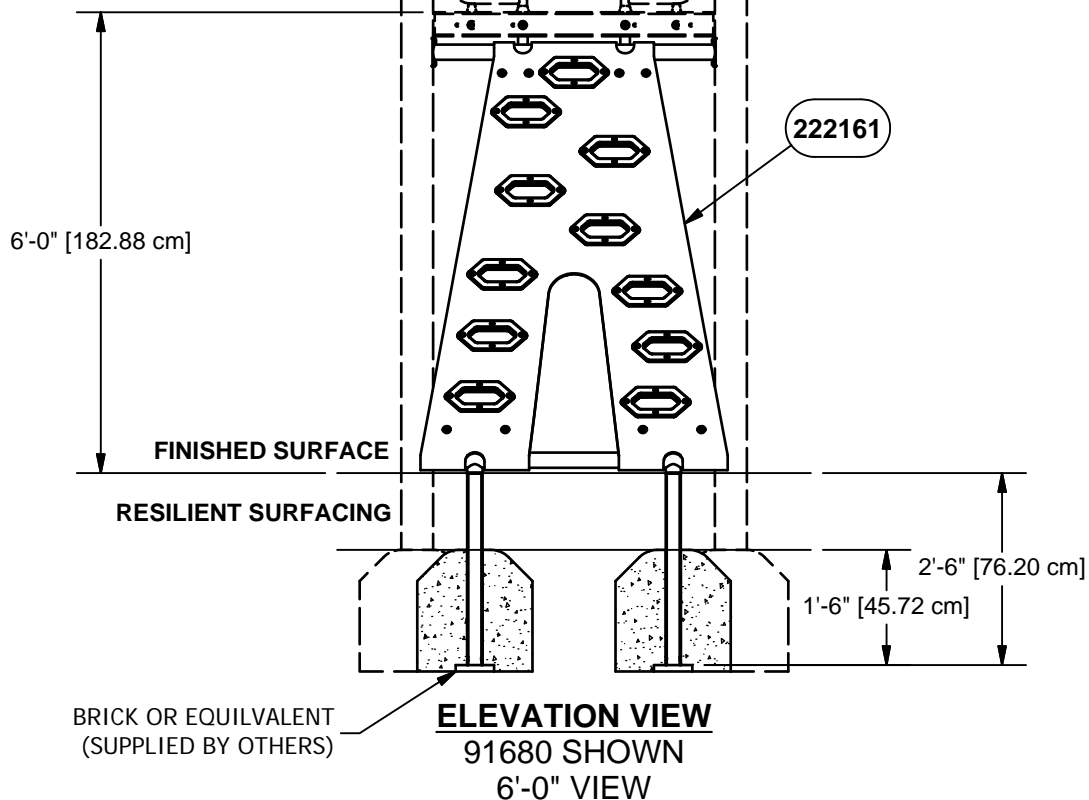
0'-9" [22.86 cm]



**PLAN VIEW**  
91680 SHOWN  
6'-0" VIEW



**TOP VIEW**  
91680 SHOWN  
6'-0" VIEW

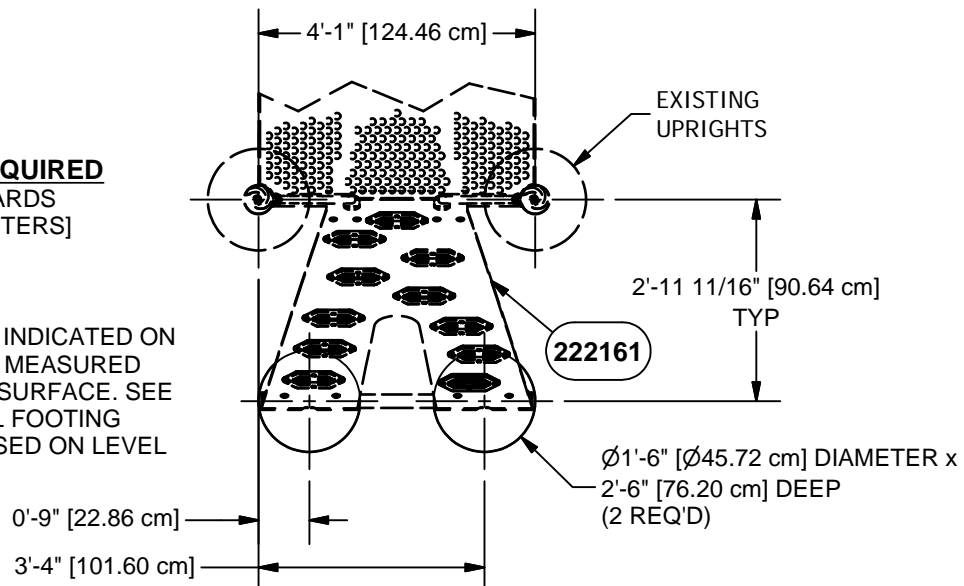




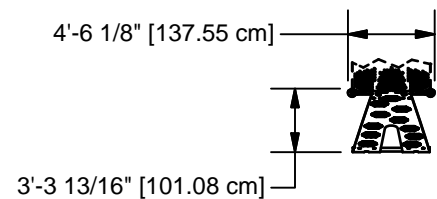
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

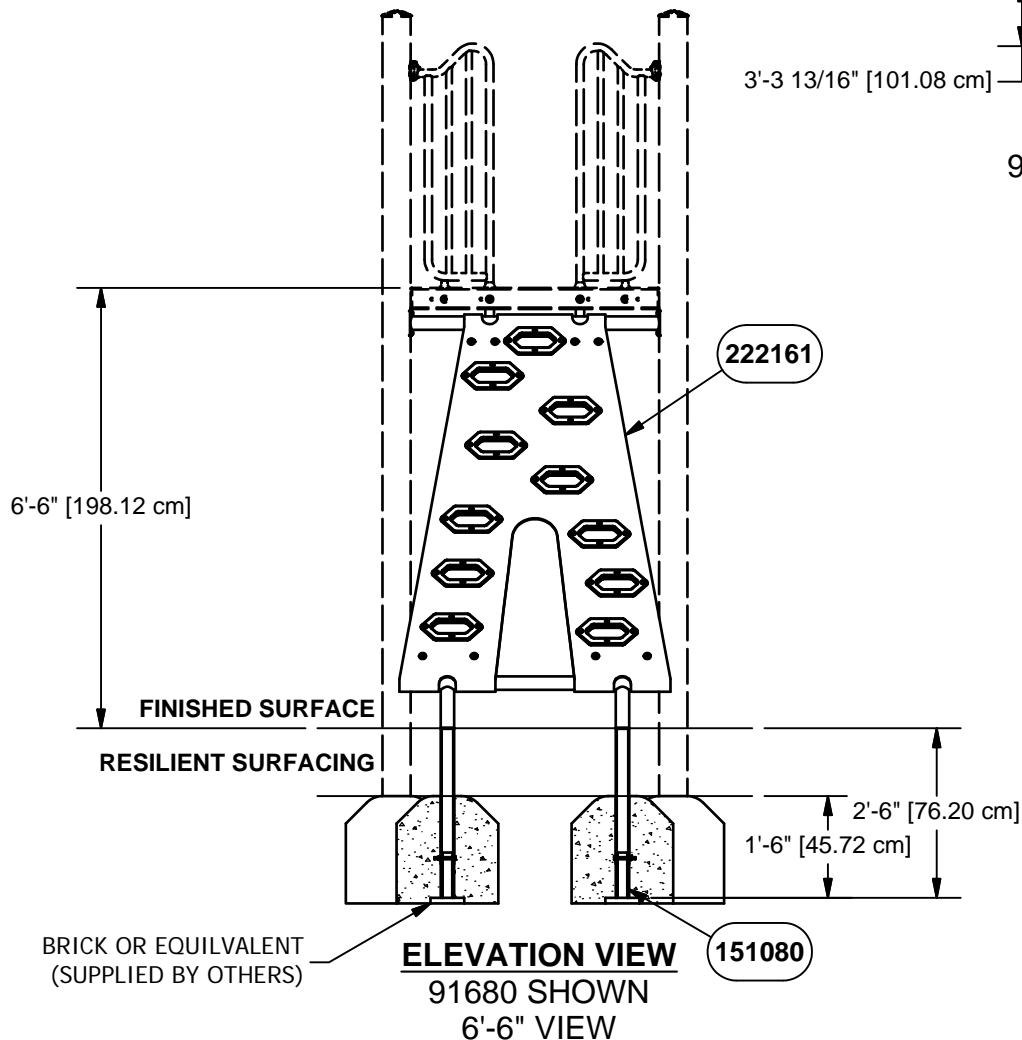
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW**  
91680 SHOWN  
6'-6" VIEW



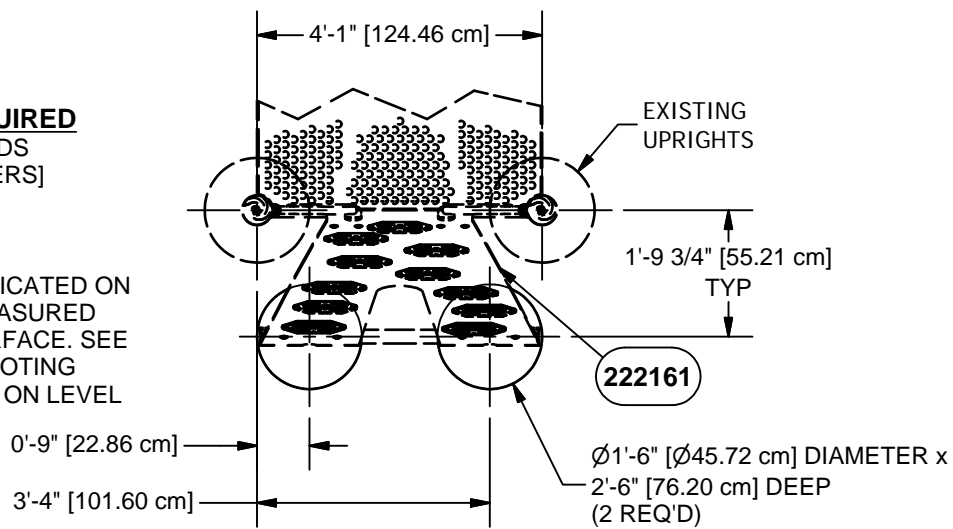
**TOP VIEW**  
91680 SHOWN  
6'-6" VIEW



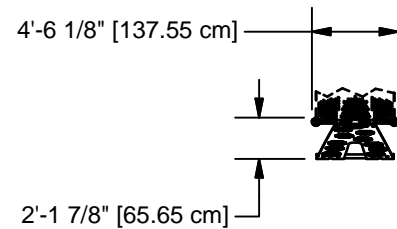
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

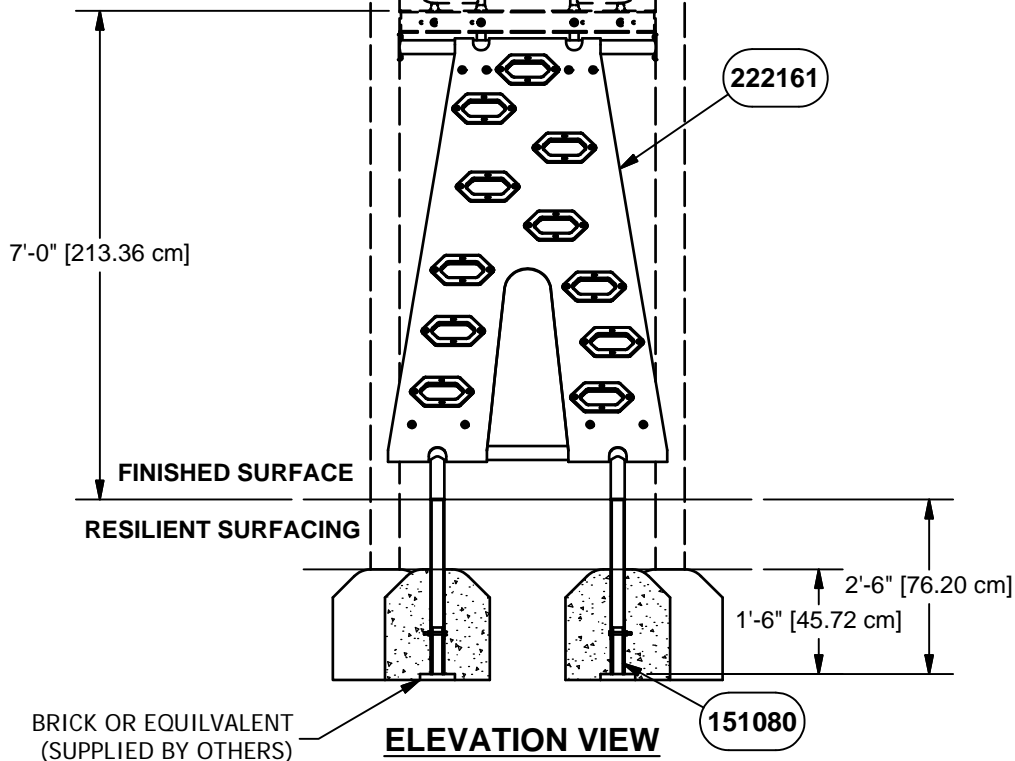
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



**PLAN VIEW**  
91680 SHOWN  
7'-0" VIEW



**TOP VIEW**  
91680 SHOWN  
7'-0" VIEW



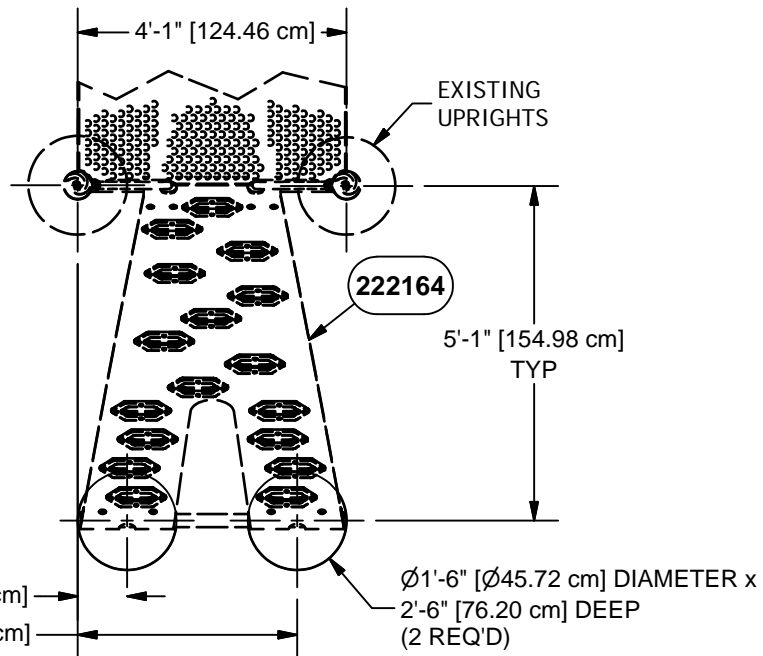
**ELEVATION VIEW**  
91680 SHOWN  
7'-0" VIEW

**CONCRETE REQUIRED**

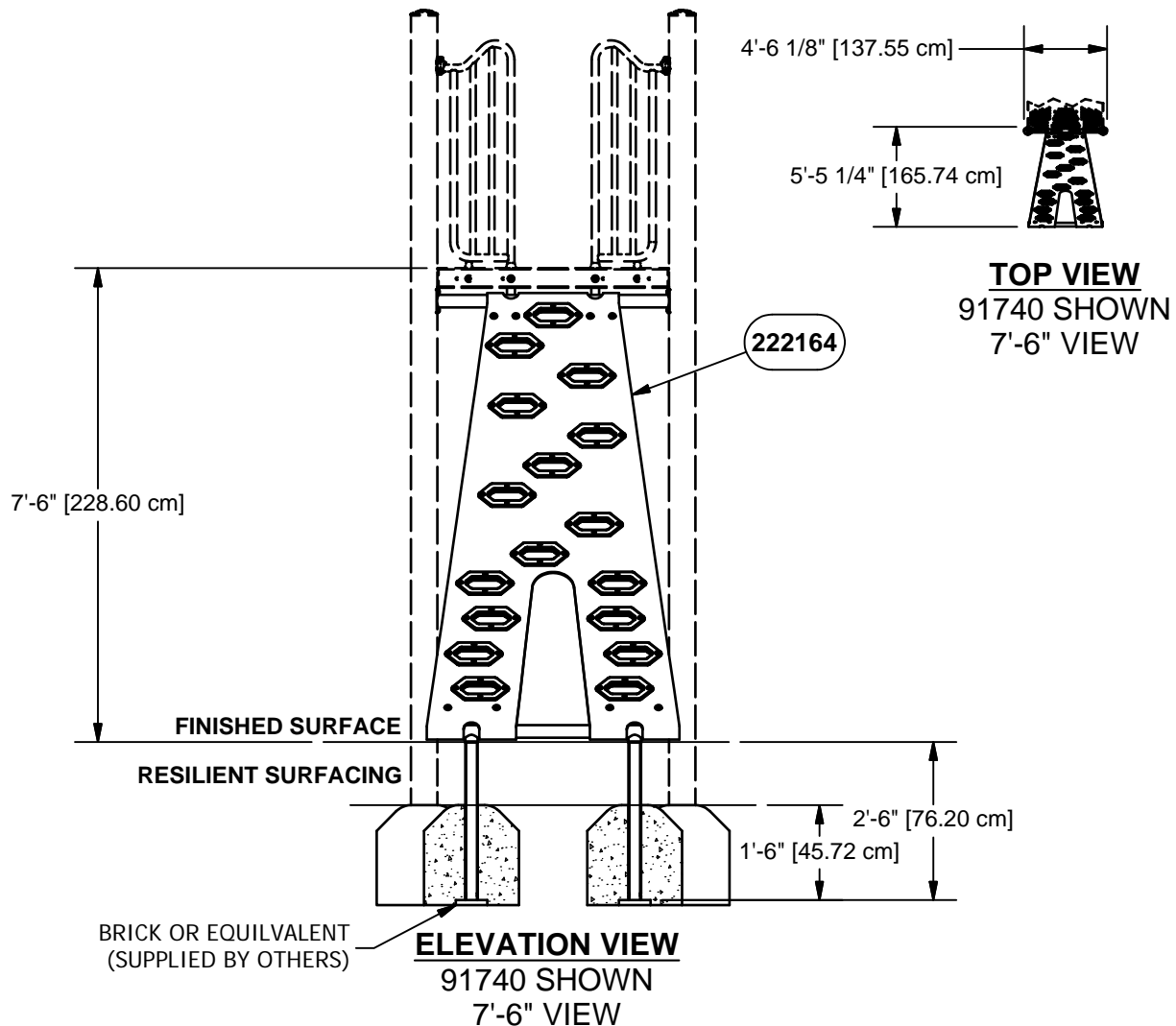
.20 CUBIC YARDS  
[.15 CUBIC METERS]

**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.

0'-9" [22.86 cm]  
3'-4" [101.60 cm]



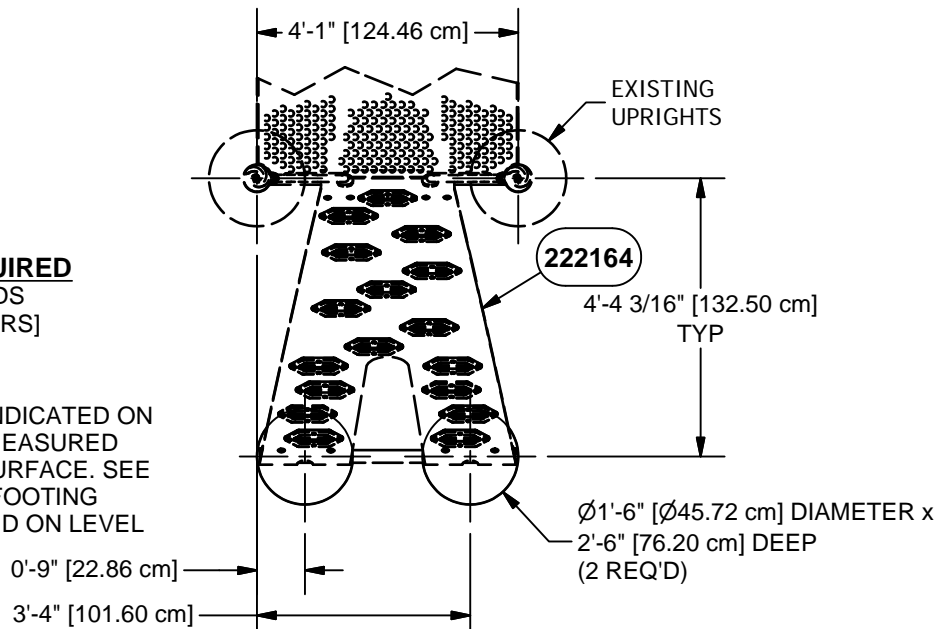
**PLAN VIEW**  
91740 SHOWN  
7'-6" VIEW



**CONCRETE REQUIRED**

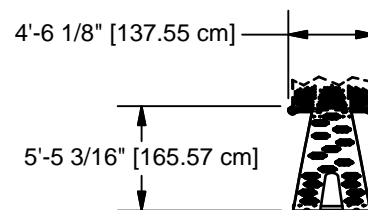
.20 CUBIC YARDS  
[.15 CUBIC METERS]

**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.



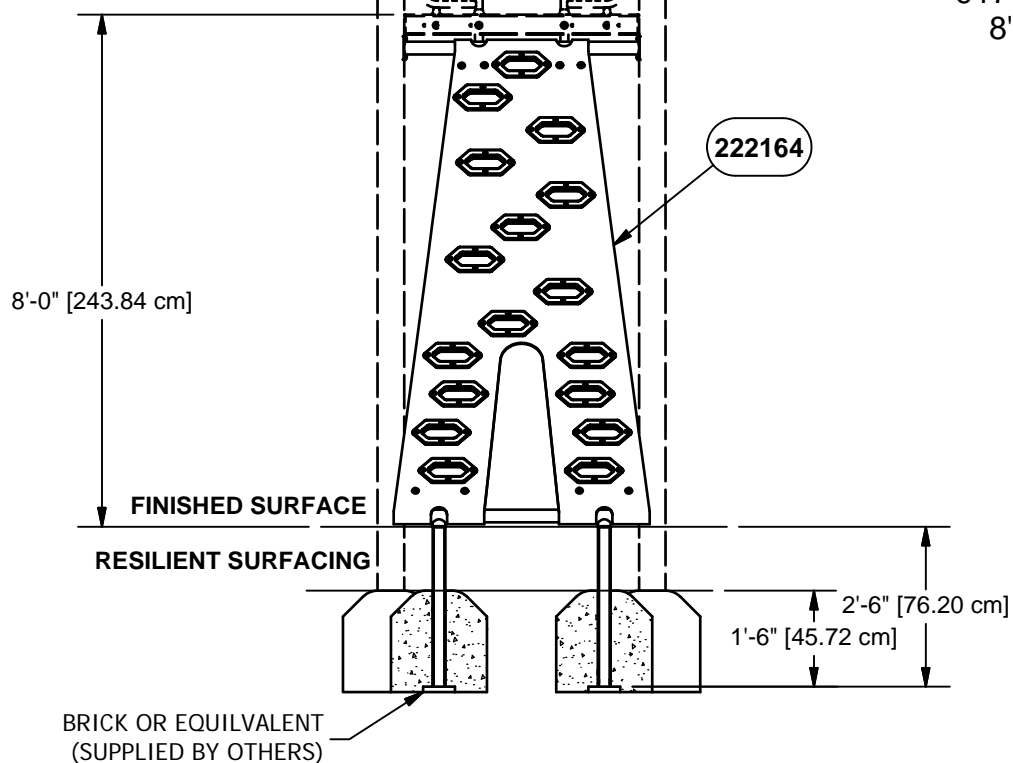
**PLAN VIEW**

91740 SHOWN  
8'-0" VIEW



**TOP VIEW**

91740 SHOWN  
8'-0" VIEW



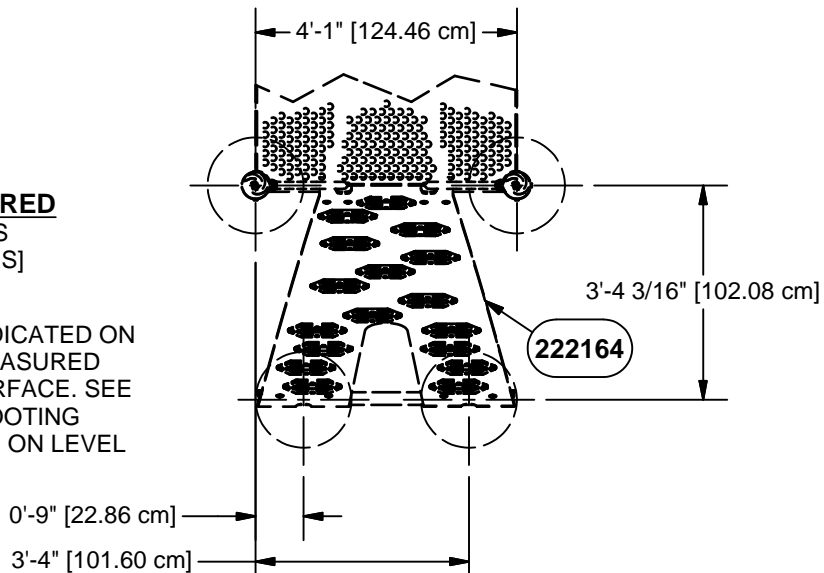
**ELEVATION VIEW**

91640 SHOWN  
8'-0" VIEW

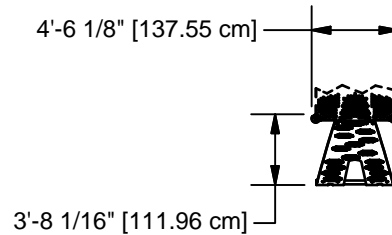
**CONCRETE REQUIRED**

.20 CUBIC YARDS  
[.15 CUBIC METERS]

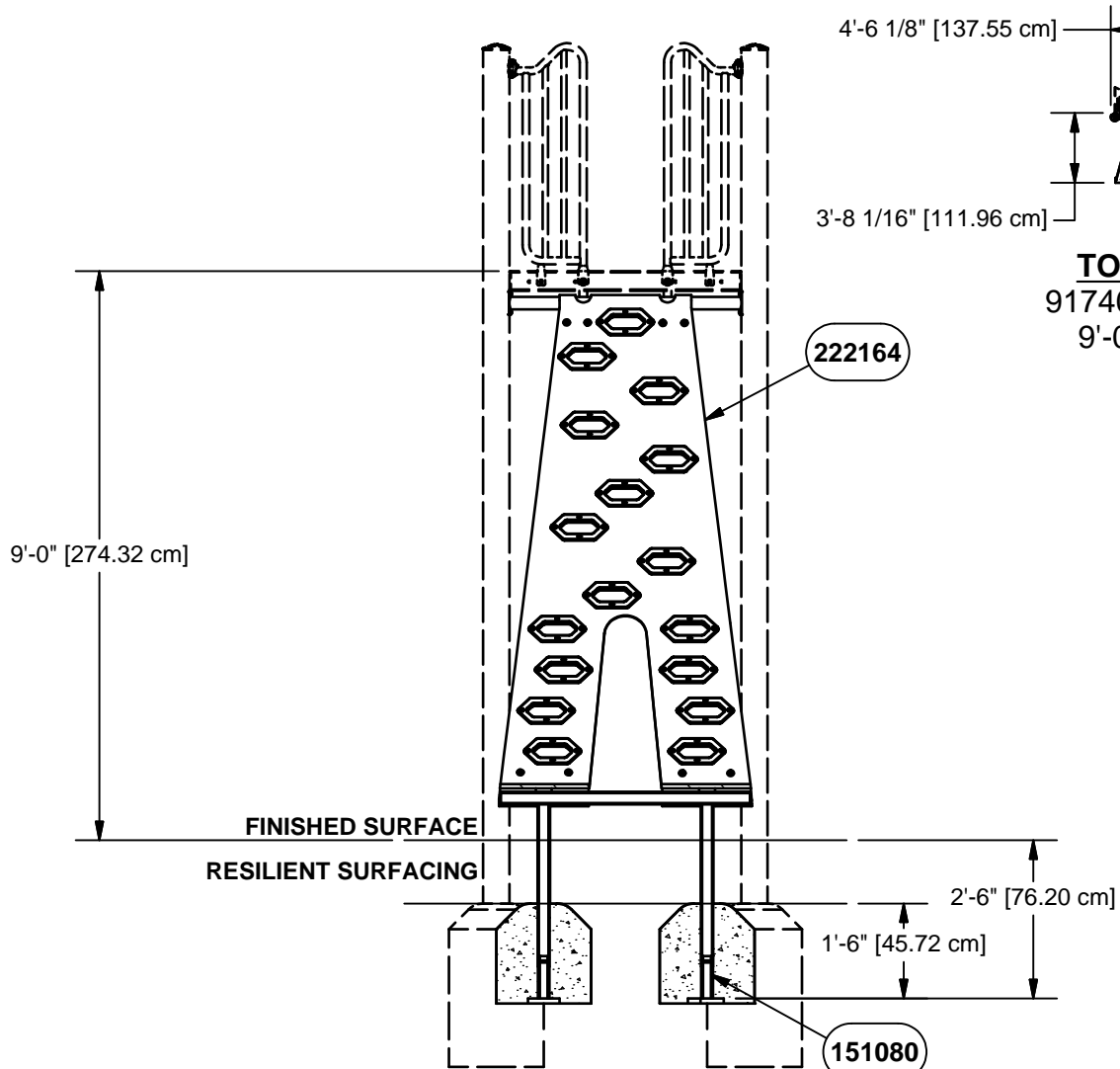
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



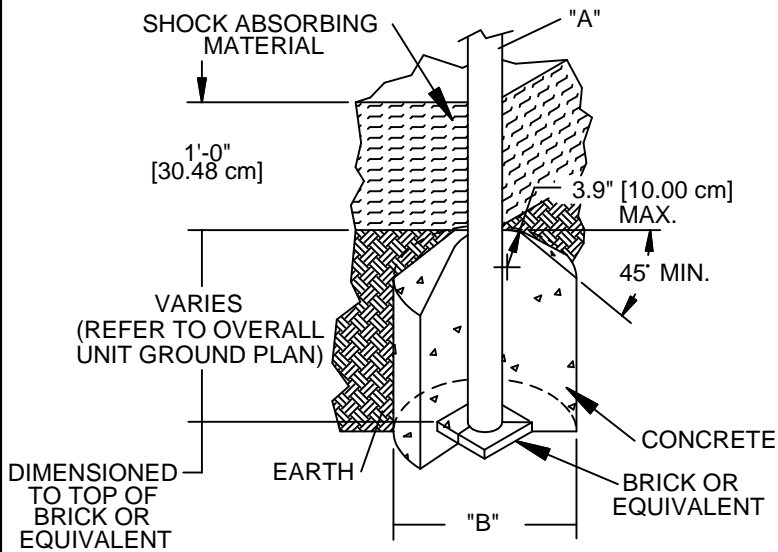
**PLAN VIEW**  
91740 SHOWN  
9'-0" VIEW



**TOP VIEW**  
91740 SHOWN  
9'-0" VIEW



**ELEVATION VIEW**  
91740 SHOWN  
9'-0" VIEW



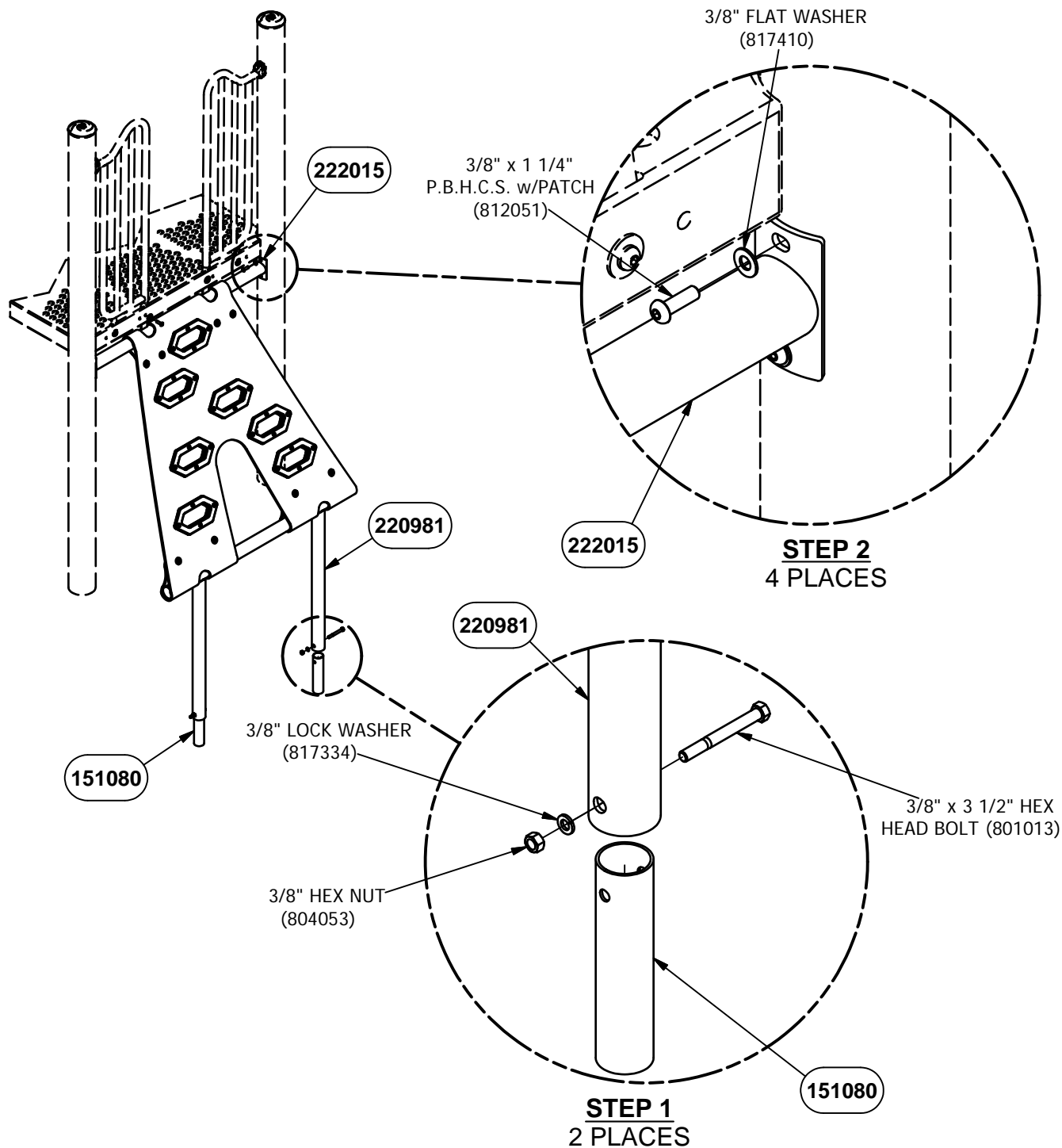
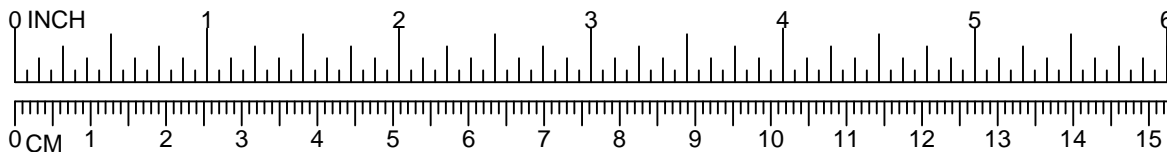
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

**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.

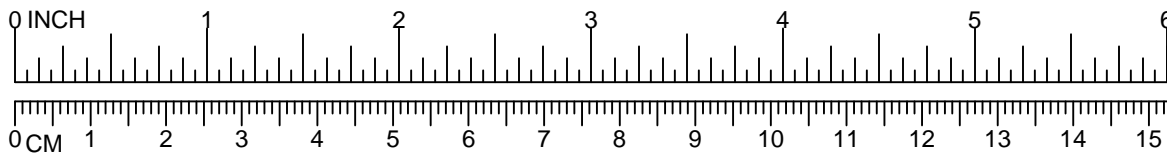
**FOOTING DETAIL**



**NOTE:** 4'-6", 6'-6", 7'-0", & 9'-0"  
USE EXTENSION PIPE (151080)

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

**DETAIL VIEW**  
91739 SHOWN  
OTHERS SIMILAR



3/8" HEX NUT  
(804053)

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

222015

**BACK VIEW**

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

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

222015

**FRONT VIEW**

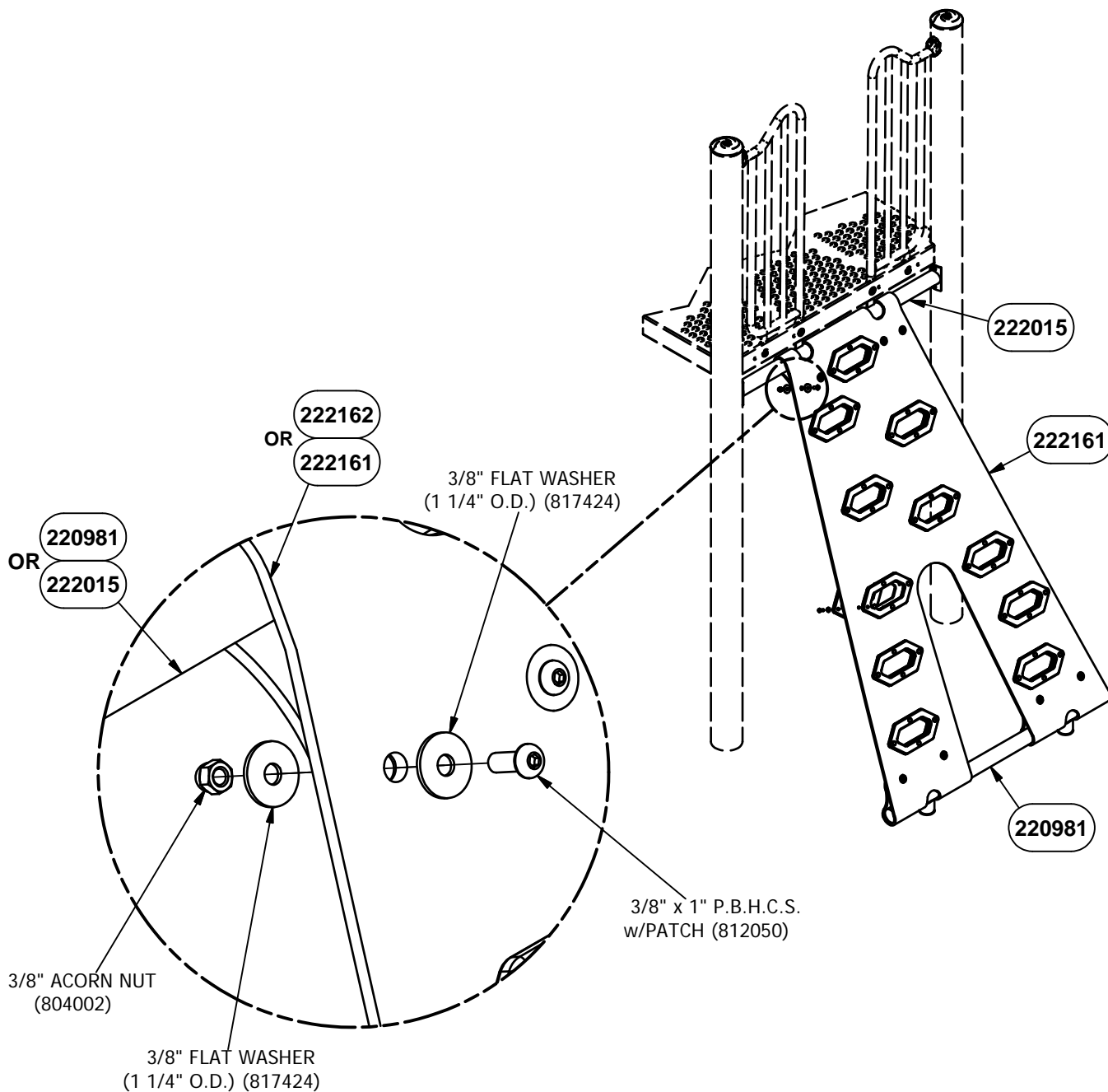
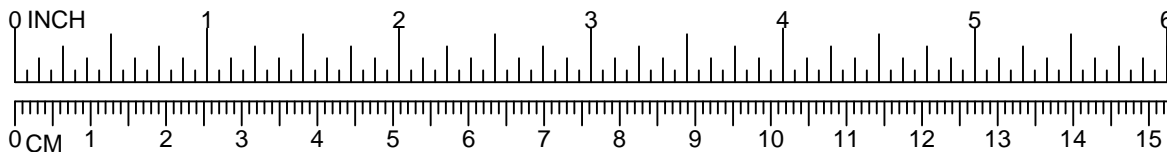
**STEP 3**  
**2 PLACES**

222015

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

**DETAIL VIEW**  
**91739 SHOWN**  
**OTHERS SIMILAR**

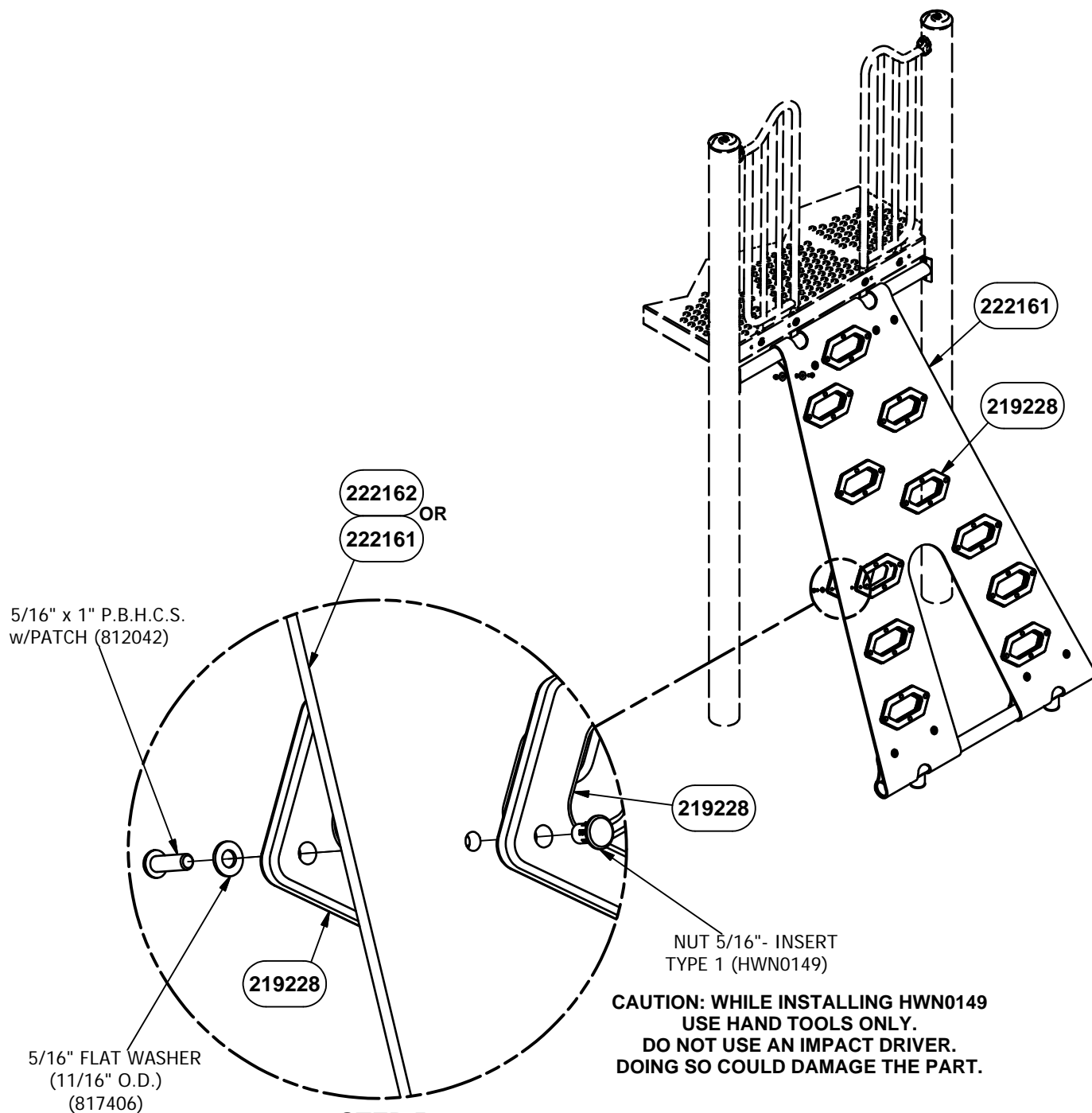
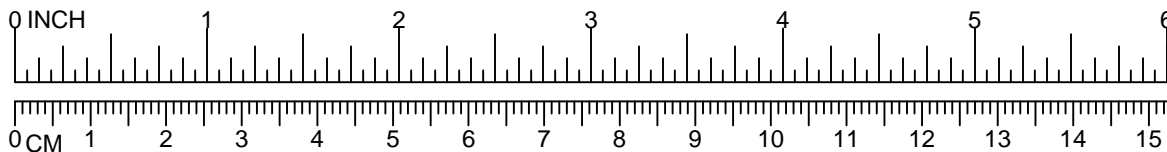




**STEP 4**  
**8 PLACES**

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

**DETAIL VIEW**  
**91739 SHOWN**  
**OTHERS SIMILAR**



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

**STEP 5**

91739 - 28 PLACES  
91680 - 44 PLACES  
91740 - 68 PLACES

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

**DETAIL VIEW**  
91739 SHOWN  
OTHERS SIMILAR

Parts List				
DESCRIPTION	91739	91680	91740	PART NUMBER
MOUNTING BAR WELD ASSEMBLY	1	1	1	222015
FOOTER WELD ASSEMBLY	1	1	1	220981
RUBBER BELT	0	1	0	222161
RUBBER BELT	1	0	0	222162
RUBBER BELT	0	0	1	222164
HDPE HANDHOLD	14	22	34	219228
<b>HARDWARE COMPLETE</b>	0	1	0	220987
<b>HARDWARE COMPLETE</b>	1	0	0	222163
<b>HARDWARE COMPLETE</b>	0	0	1	222165
5/16" x 1" P.B.H.C.S. w/PATCH	28	44	68	812042
5/16" FLAT WASHER (11/16" O.D.)	28	44	68	817406
NUT 5/16"- INSERT TYPE 1	28	44	68	HWN0149
3/8" x 1" P.B.H.C.S. w/PATCH	8	8	8	812050*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	6	6	6	812051*
3/8" x 3 1/2" HEX HEAD BOLT	2	2	2	801013*
3/8" FLAT WASHER	4	4	4	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	20	20	20	817424*
3/8" LOCK WASHER	2	2	2	817334*
3/8" ACORN NUT	8	8	8	804002*
3/8" HEX NUT	4	4	4	804053*
8" EXTENSION	2	2	2	151080*

Unless Otherwise Specified, All Units of Measure are Each

\* Included in Hardware

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

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

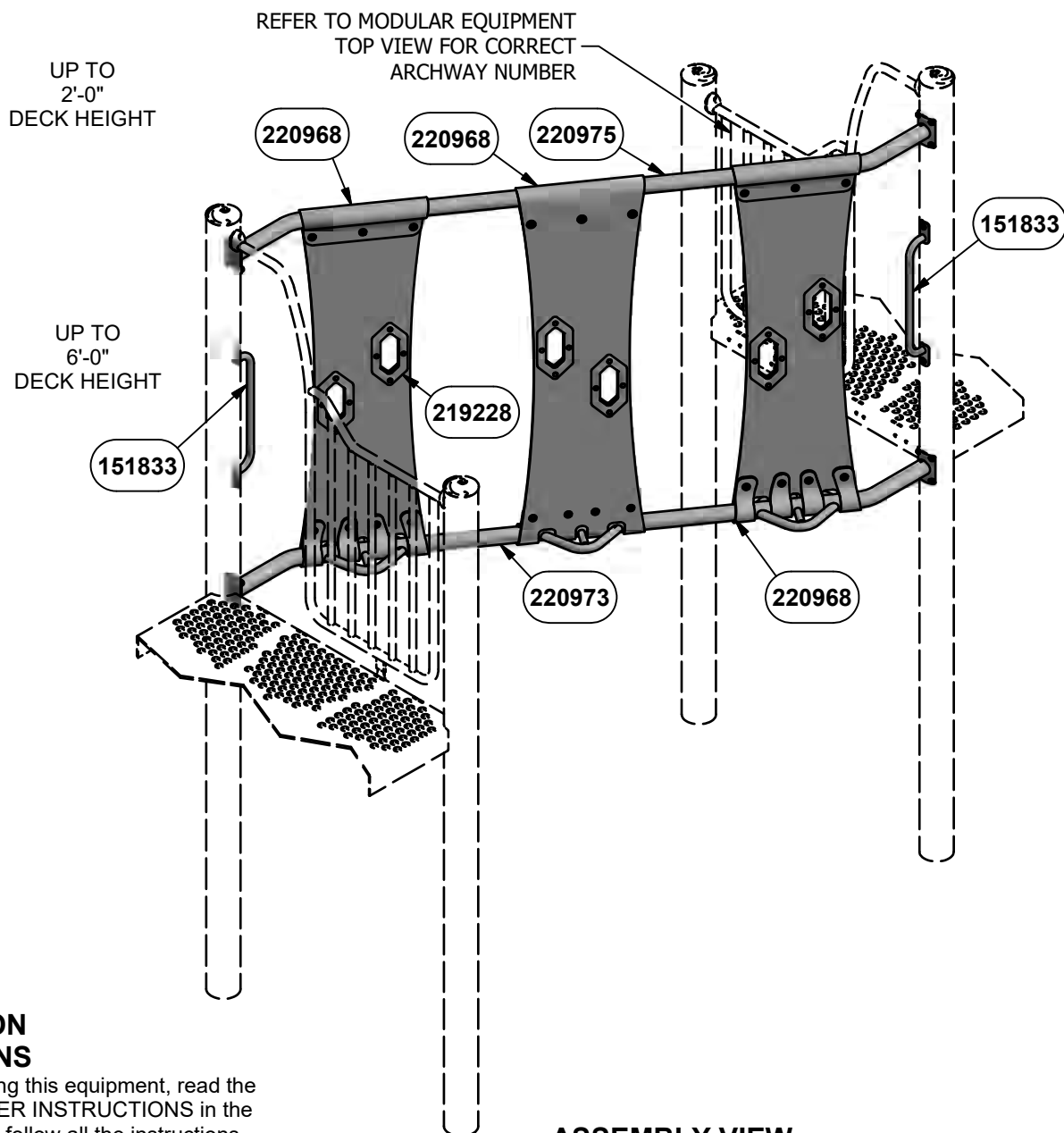
**Note: Loctite (supplied by others) should be used on any non-patch hardware.**

**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.

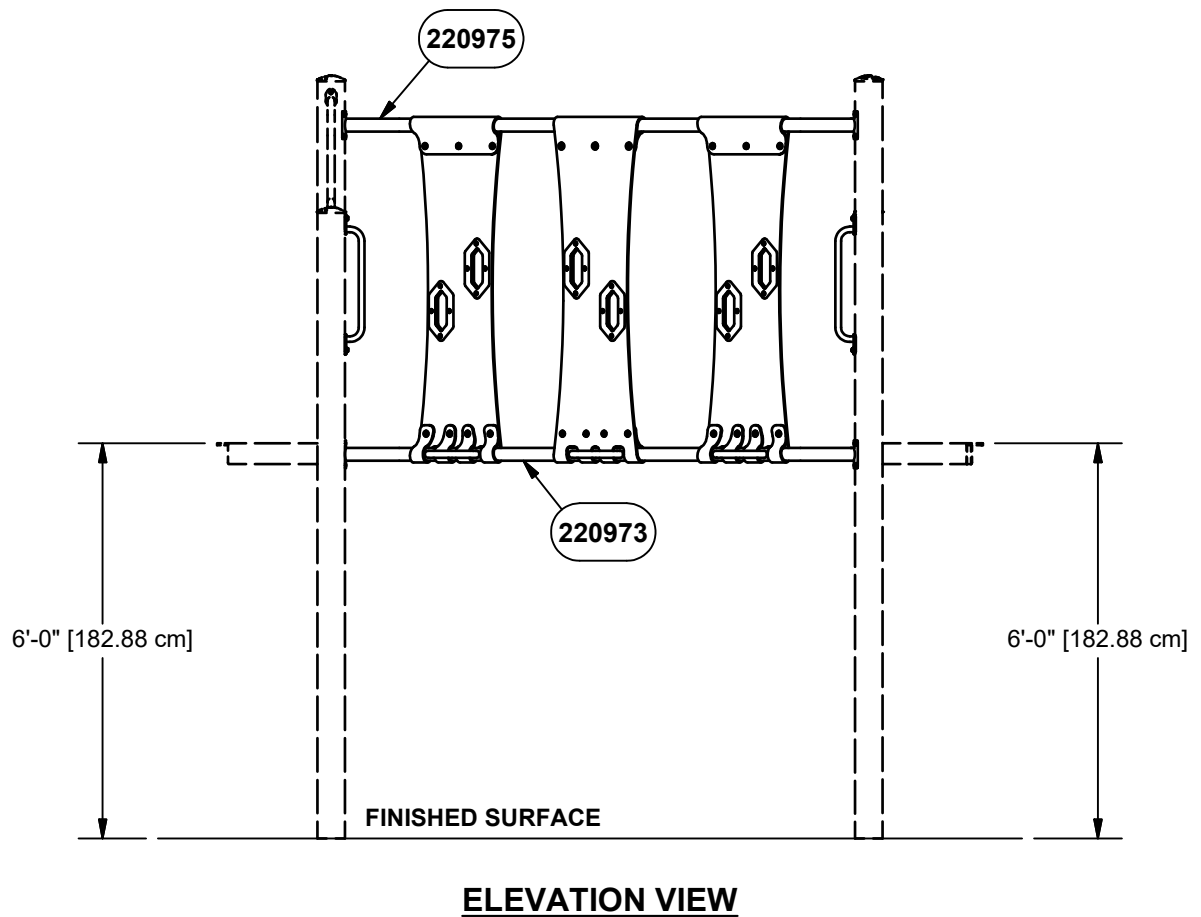
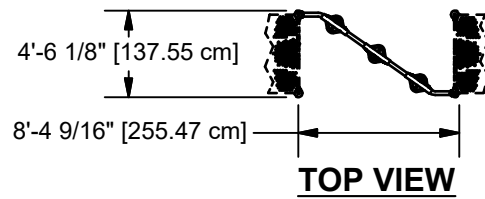
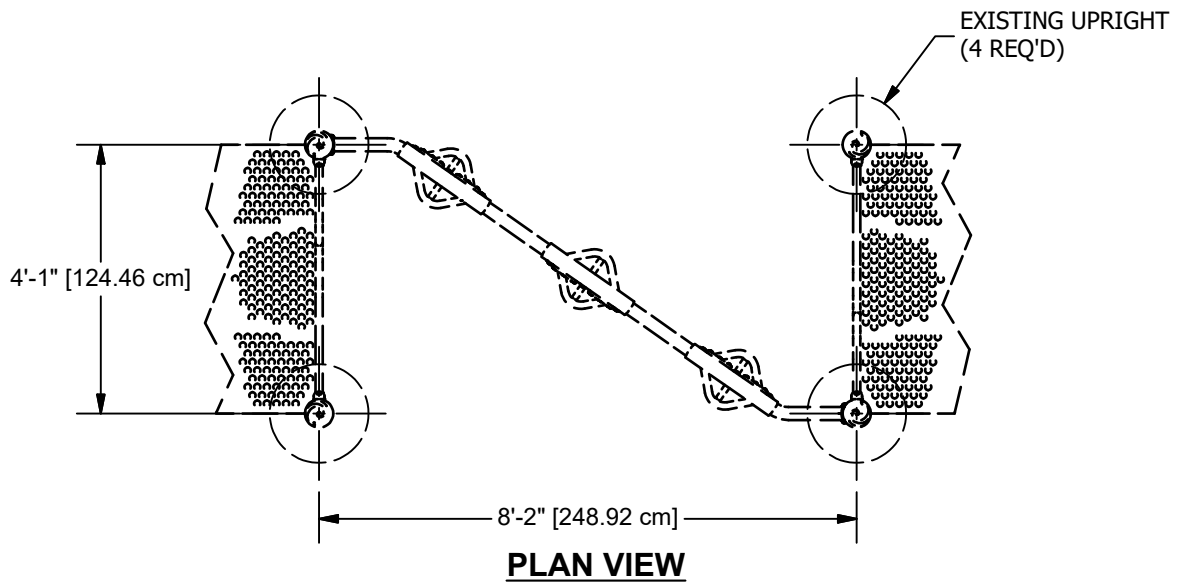
## WEAVEAROUND

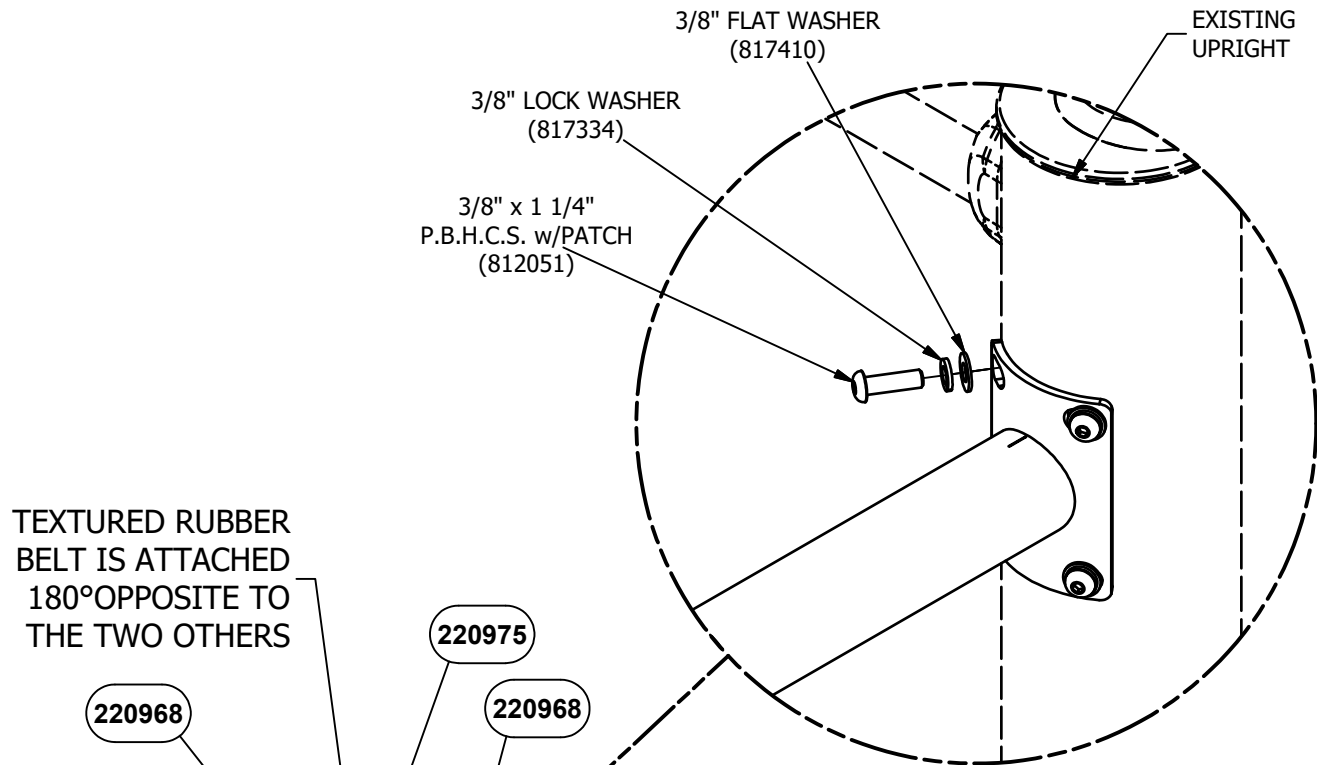
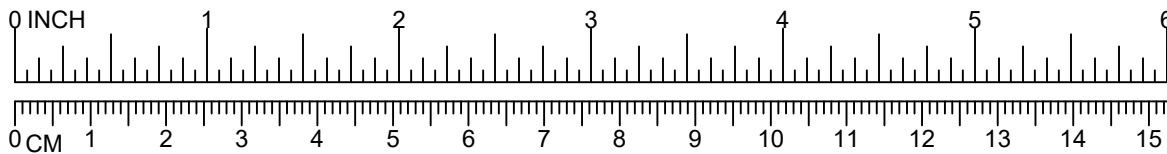


### INSTALLATION INSTRUCTIONS

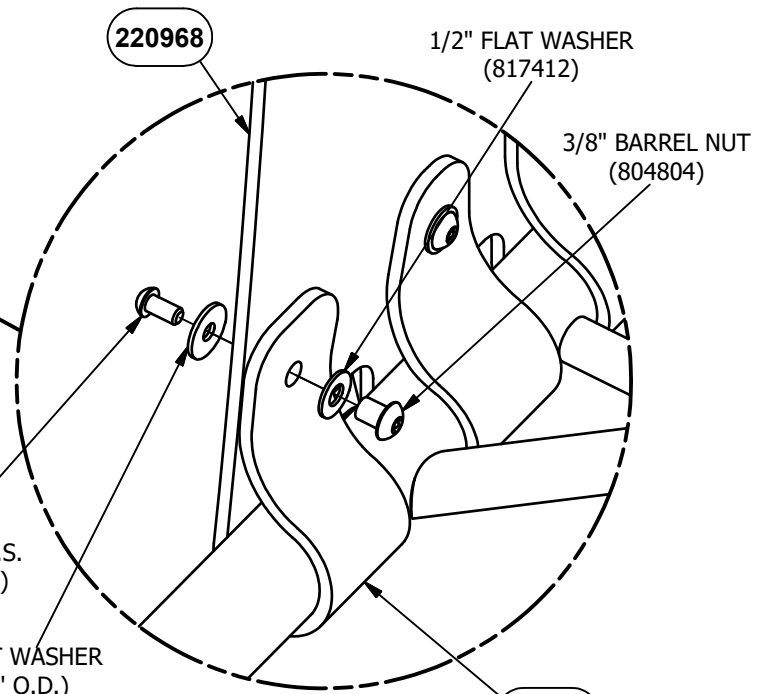
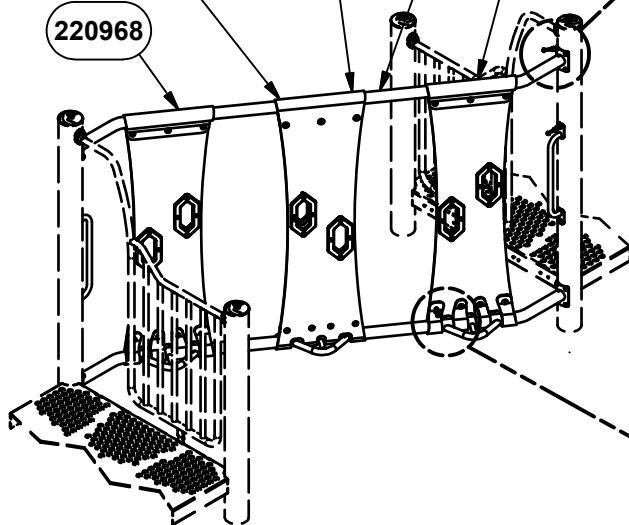
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE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





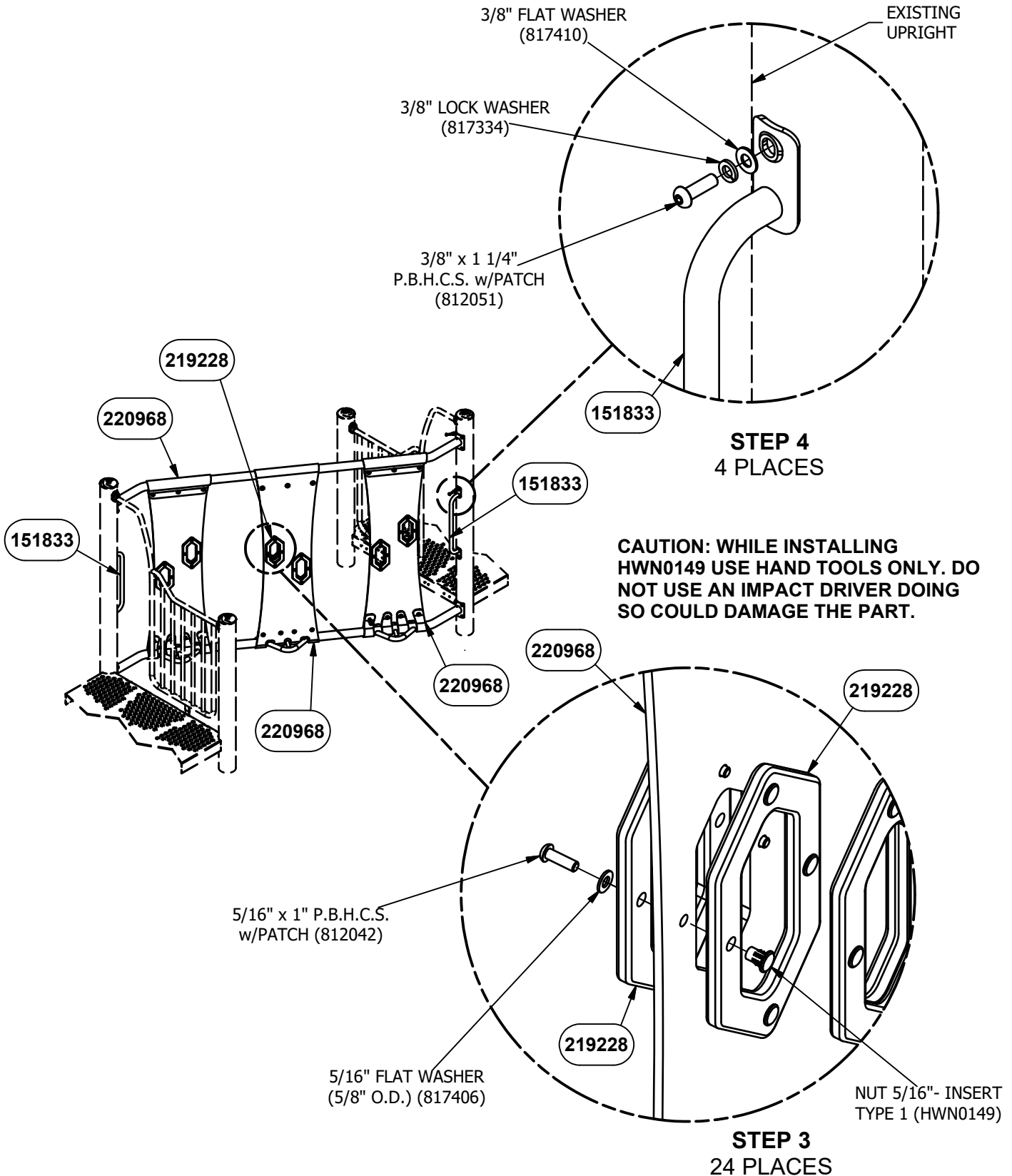
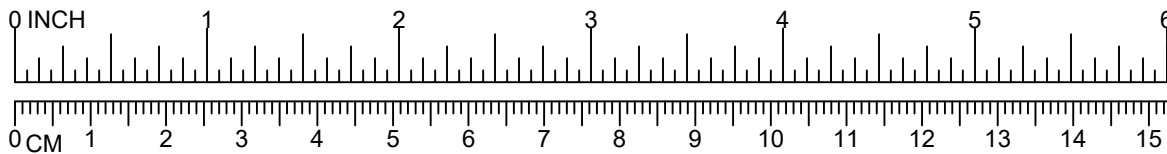
**STEP 1**  
16 PLACES



**STEP 2**  
21 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.**

Parts List		
DESCRIPTION	QTY	PART NUMBER
HANDHOLD ASSEMBLY	2	151833
TEXTURED RUBBER BELT	3	220968
BOTTOM WELD ASSEMBLY	1	220973
TOP RAIL WELD ASSEMBLY	1	220975
HDPE HANDHOLD	12	219228
<b>HARDWARE COMPLETE</b>	1	220994
5/16" x 1" P.B.H.C.S. w/PATCH	24	812042*
5/16" FLAT WASHER (5/8" O.D.)	24	817406*
NUT 5/16"- INSERT TYPE 1	24	HWN0149*
3/8" x 3/4" P.B.H.C.S. w/PATCH	21	812052*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	20	812051*
3/8" LOCK WASHER	20	817334*
3/8" FLAT WASHER (1 1/4" O.D.)	21	817424*
3/8" FLAT WASHER	20	817410*
3/8" BARREL NUT	21	804804*
1/2" FLAT WASHER	21	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.



# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/3/2022

91743

## CATALINA CLIMBER

CATALINA CLIMBER BASE	91743
CATALINA CLIMBER CAP	91744
CATALINA CLIMBER 1'-0" RISER	91745
CATALINA CLIMBER 4'-0" RISER	91746



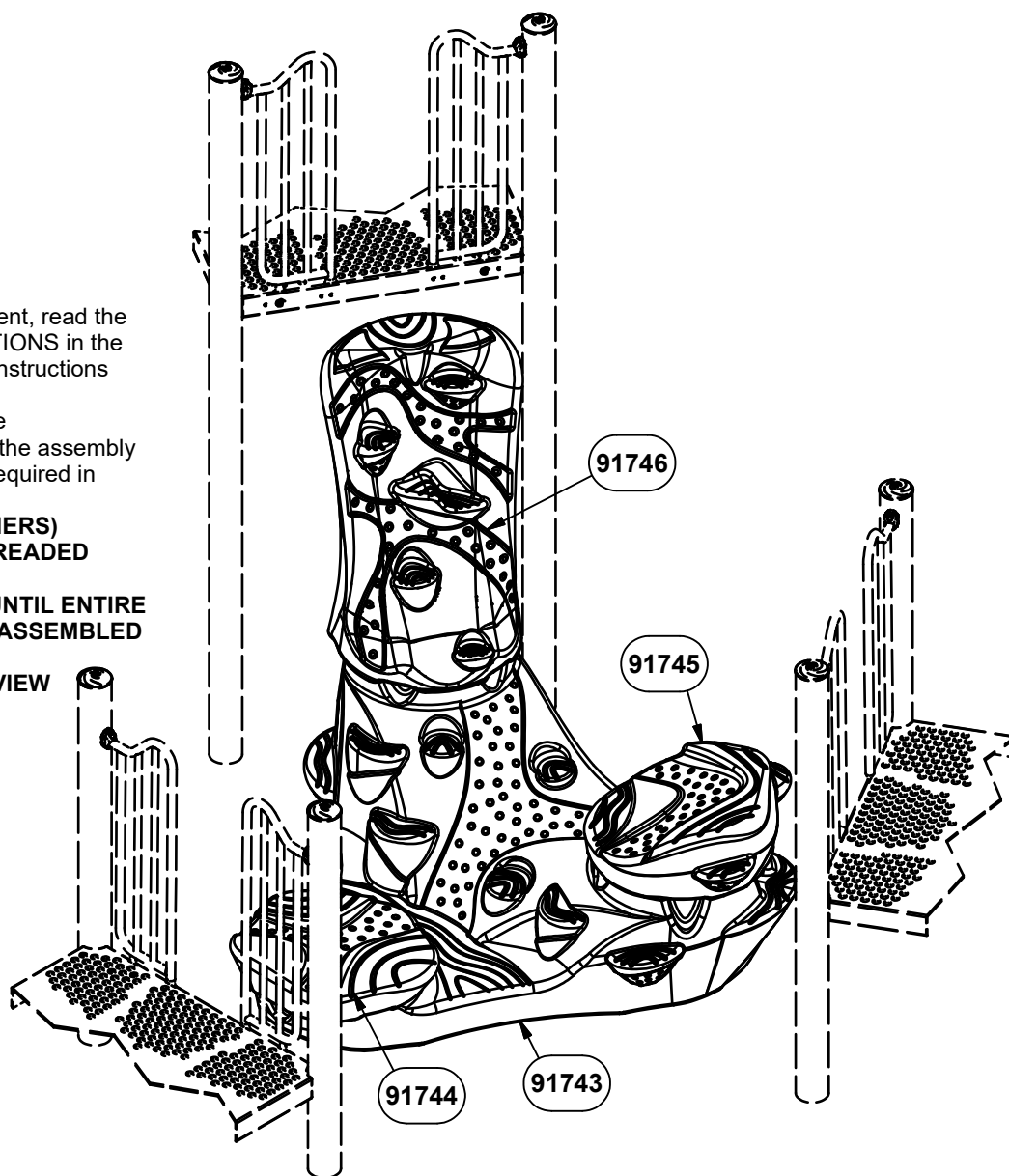
91743  
91744  
91745



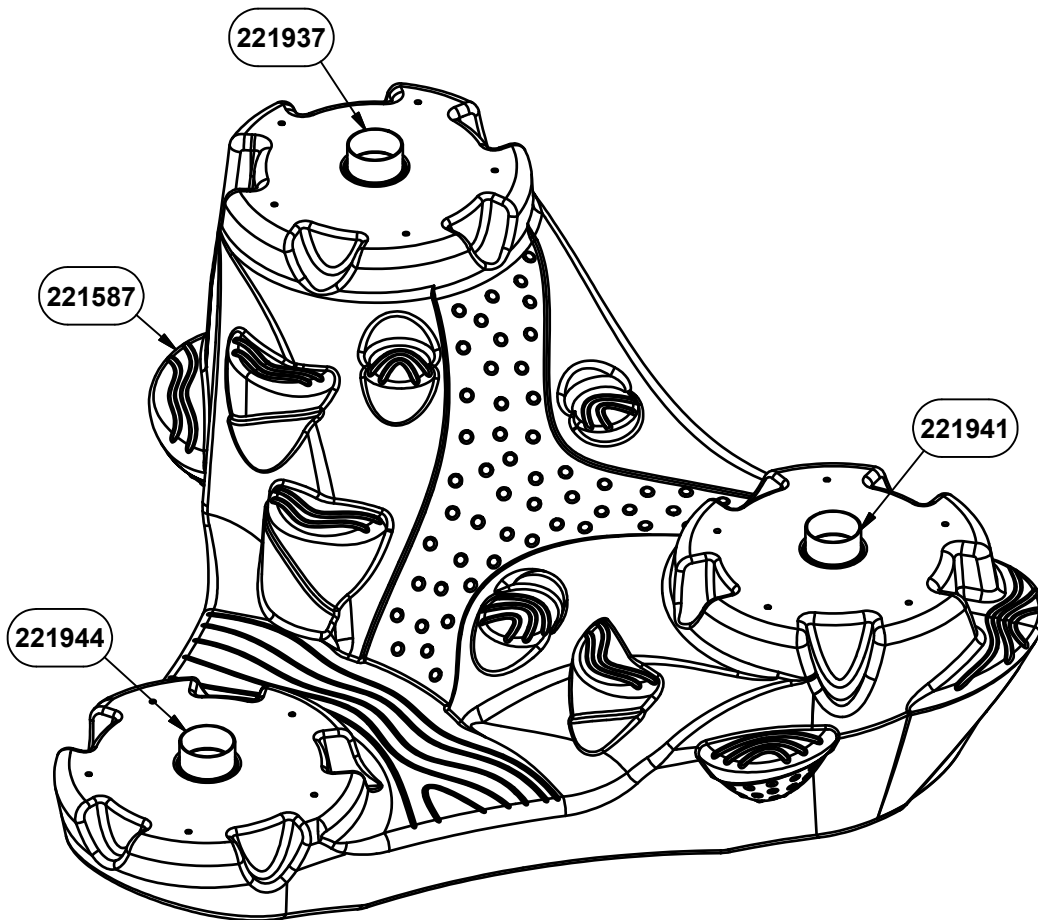
91746

### INSTALLATION INSTRUCTIONS

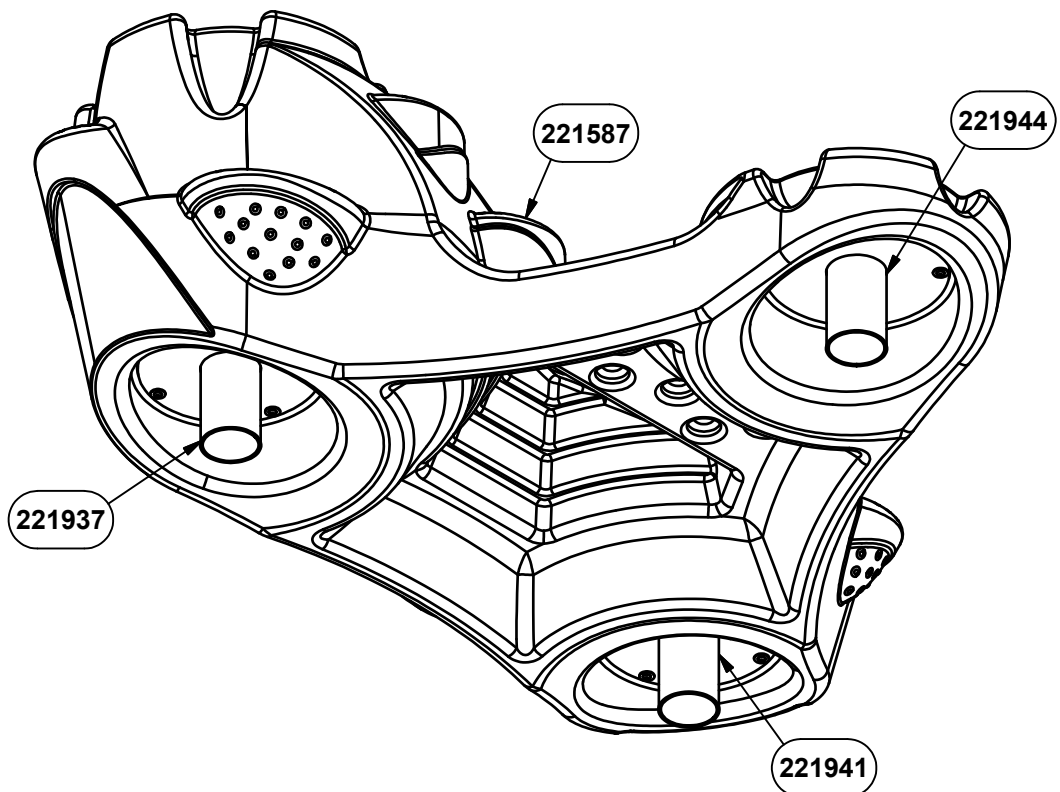
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.
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.**
5. **REFER TO YOUR UNIT TOP VIEW FOR CATALINA CLIMBER CONFIGURATION.**

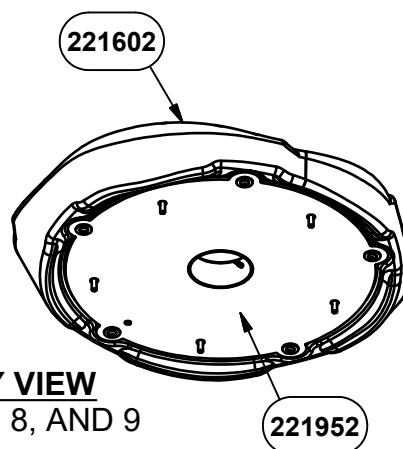
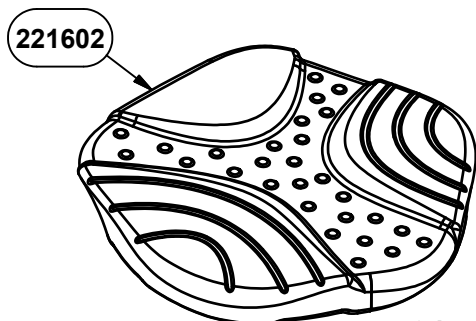


**ASSEMBLY VIEW**

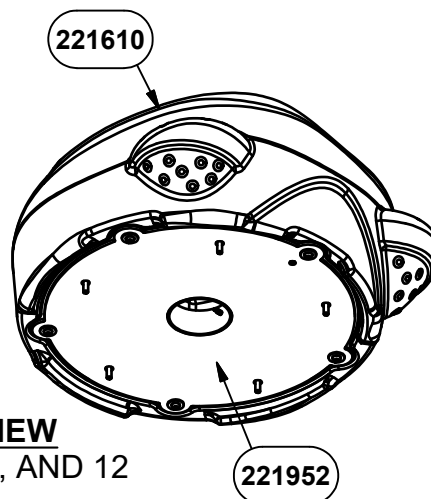
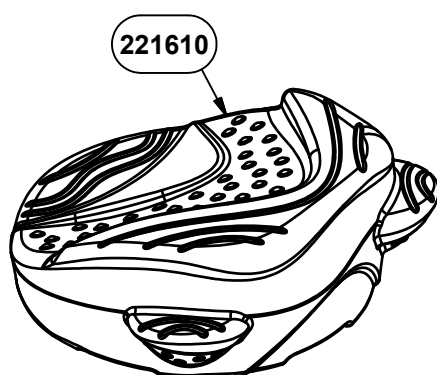


**ASSEMBLY VIEW**  
91743

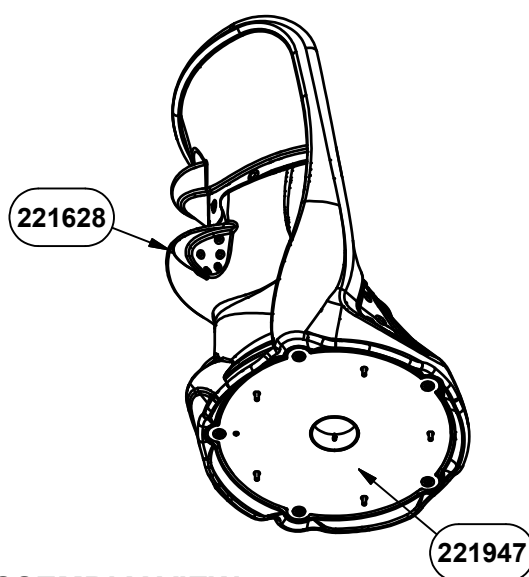
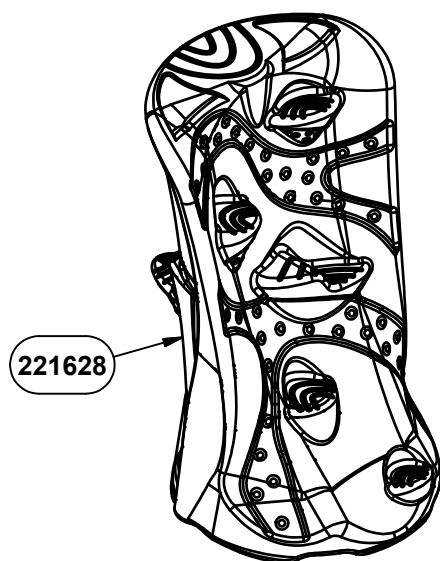




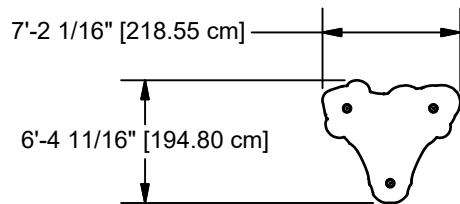
**91744 ASSEMBLY VIEW**  
REFER TO PAGES 7, 8, AND 9



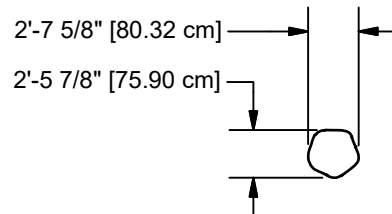
**91745 ASSEMBLY VIEW**  
REFER TO PAGES 10, 11, AND 12



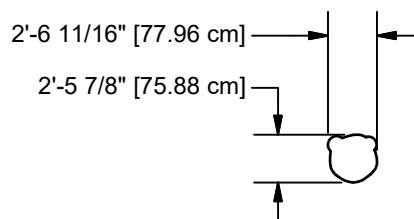
**91746 ASSEMBLY VIEW**  
REFER TO PAGES 13, 14, AND 15



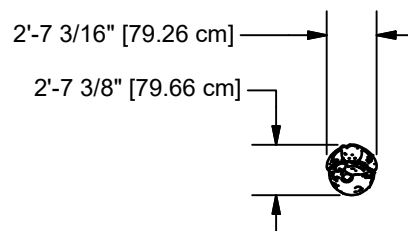
**91743**



**91744**

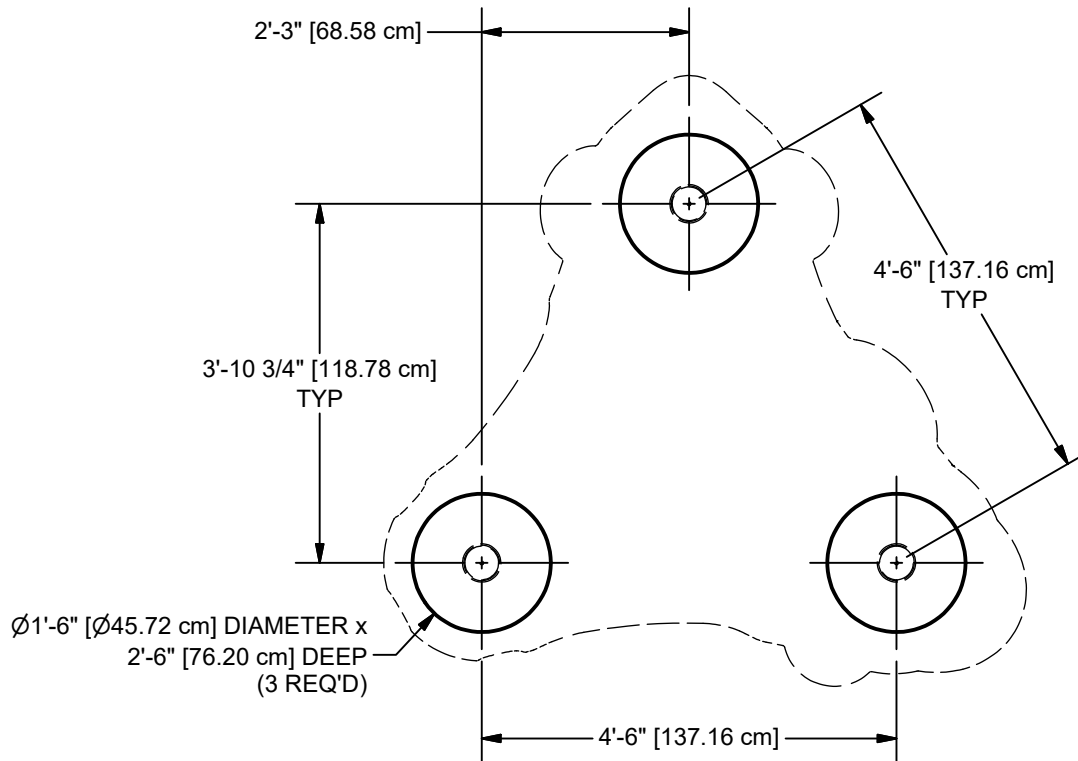


**91745**



**91746**

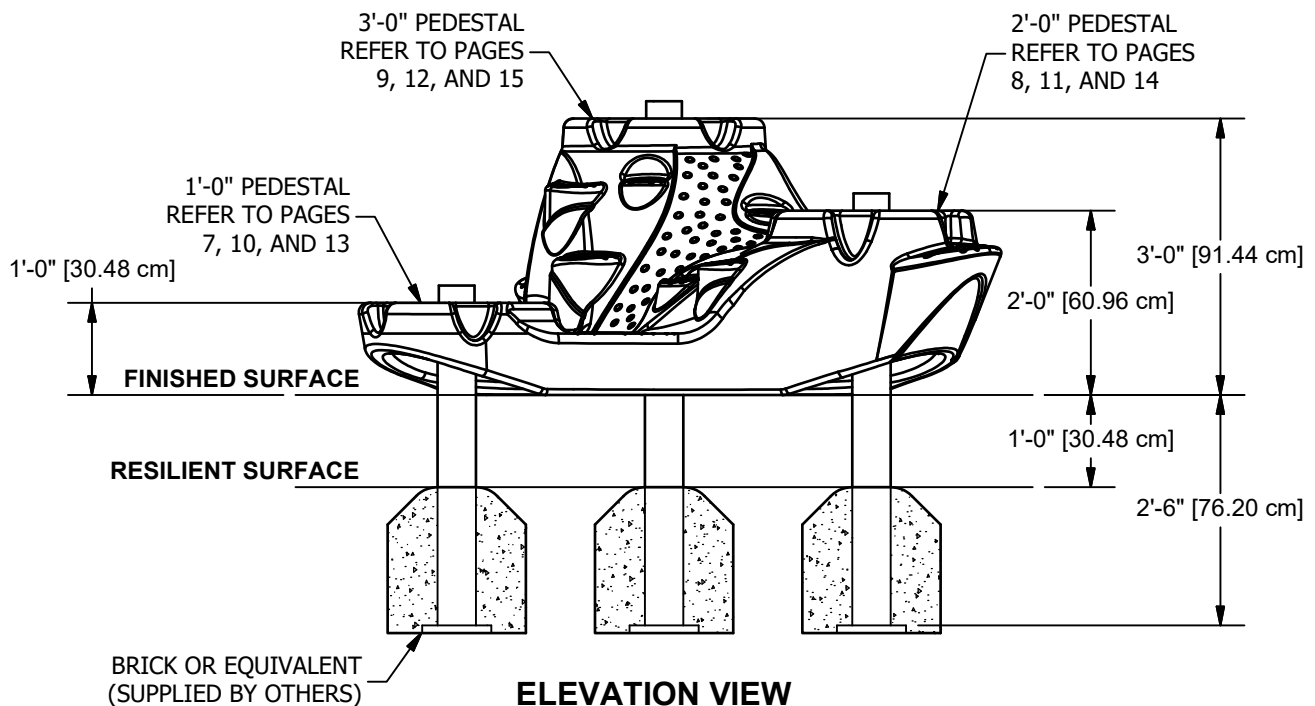
**TOP VIEWS**



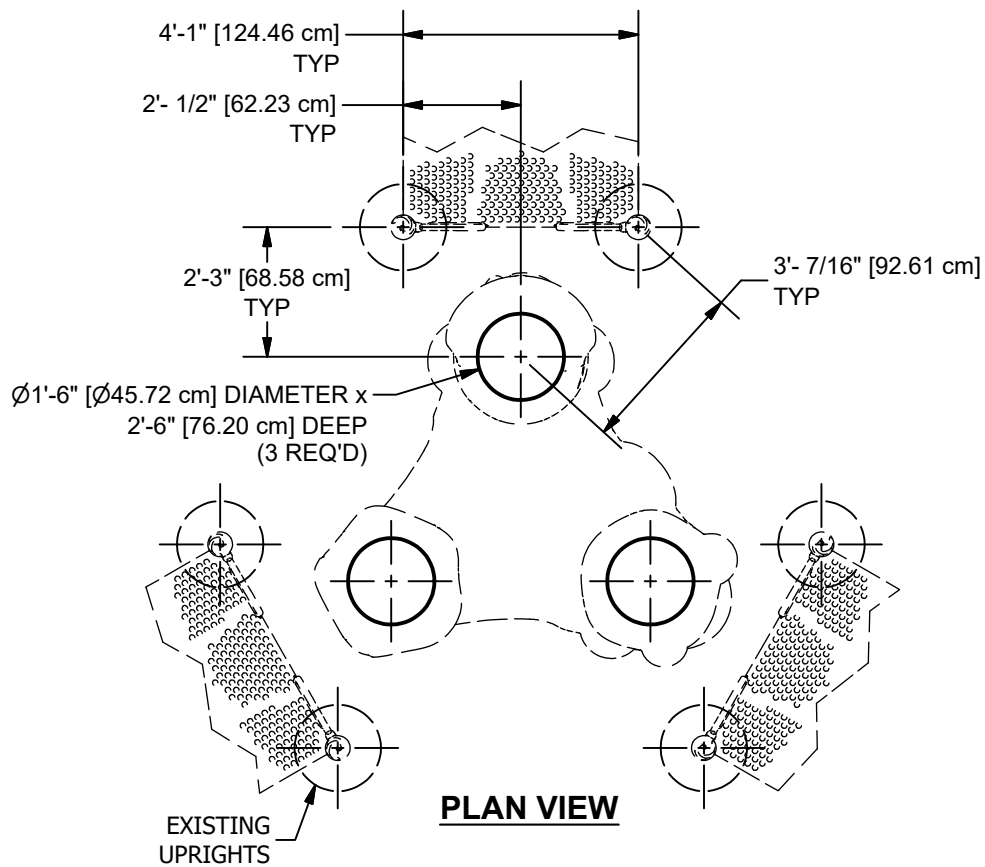
**PLAN VIEW**  
91743 SHOWN

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

**CONCRETE REQUIRED:**  
0.30 CUBIC YARDS  
[0.23 CUBIC METERS]

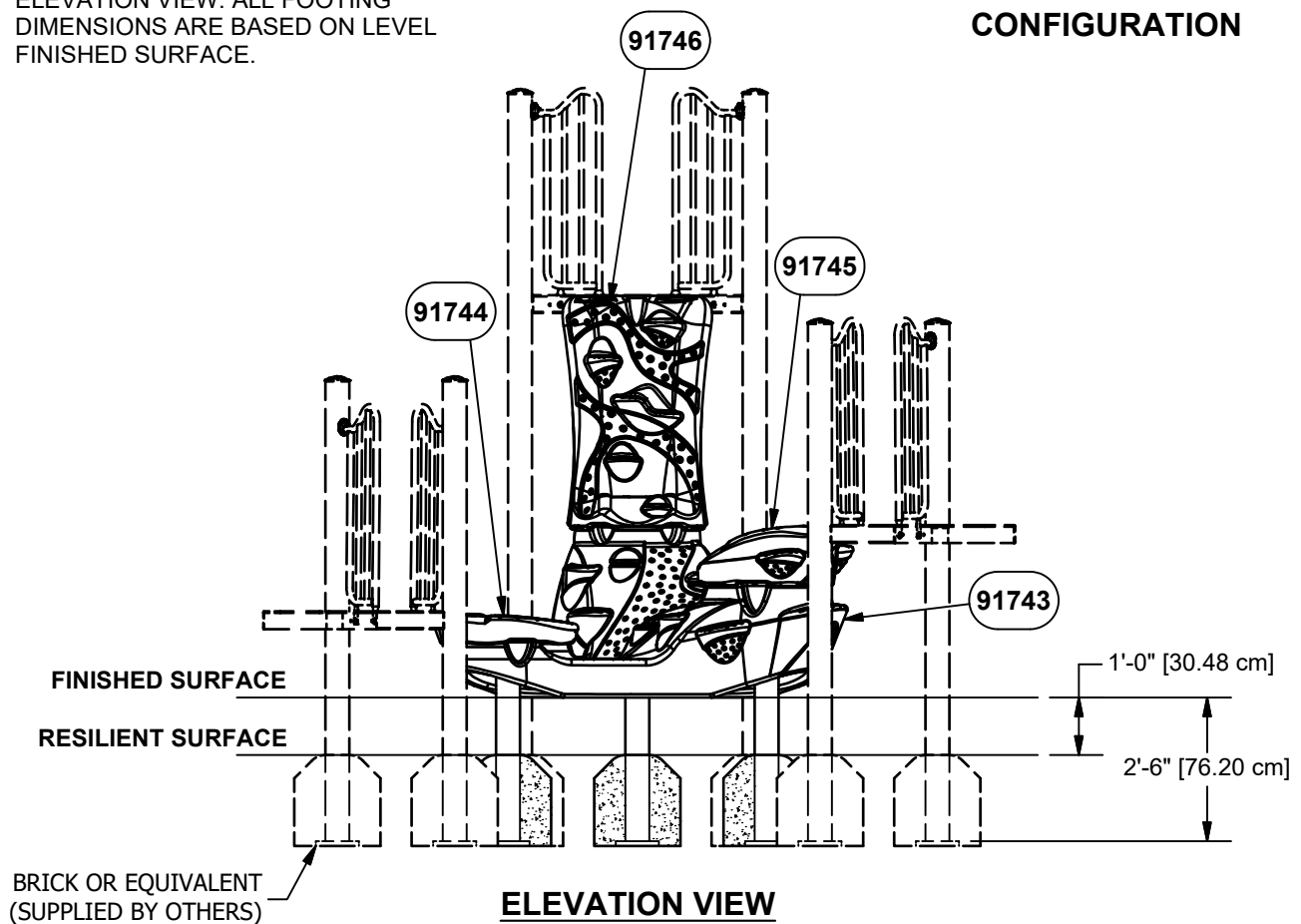


**ELEVATION VIEW**  
91743 SHOWN



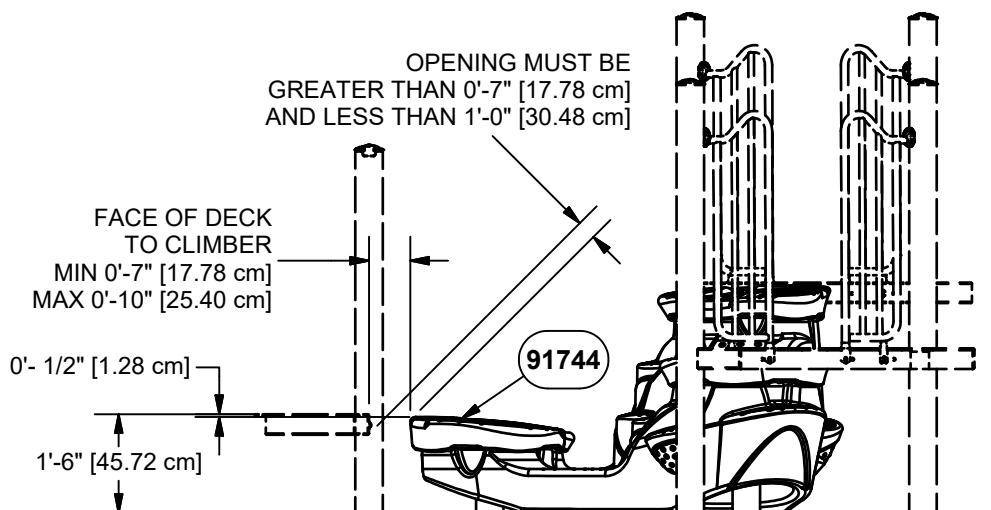
**NOTE:** HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**REFER TO YOUR  
UNIT TOP VIEW FOR  
CATALINA CLIMBER  
CONFIGURATION**

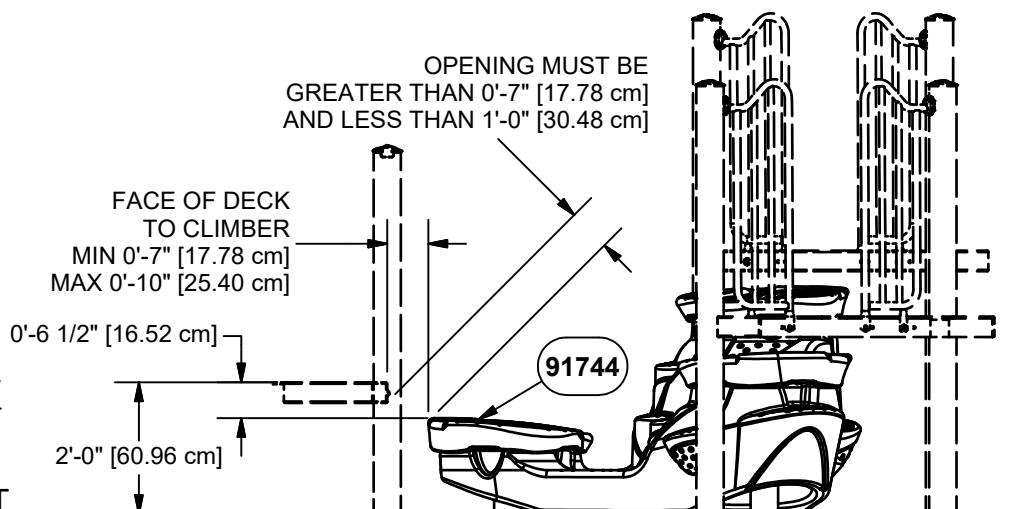




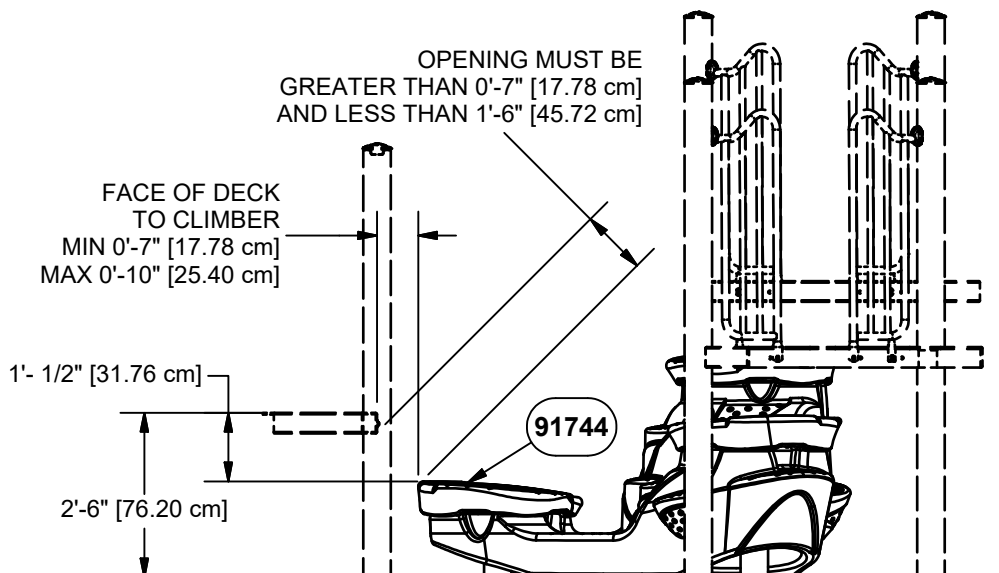
**ELEVATION VIEW**  
91744 CAP  
1'-0" PEDESTAL  
1'-6" DECK HEIGHT



**ELEVATION VIEW**  
91744 CAP  
1'-0" PEDESTAL  
2'-0" DECK HEIGHT

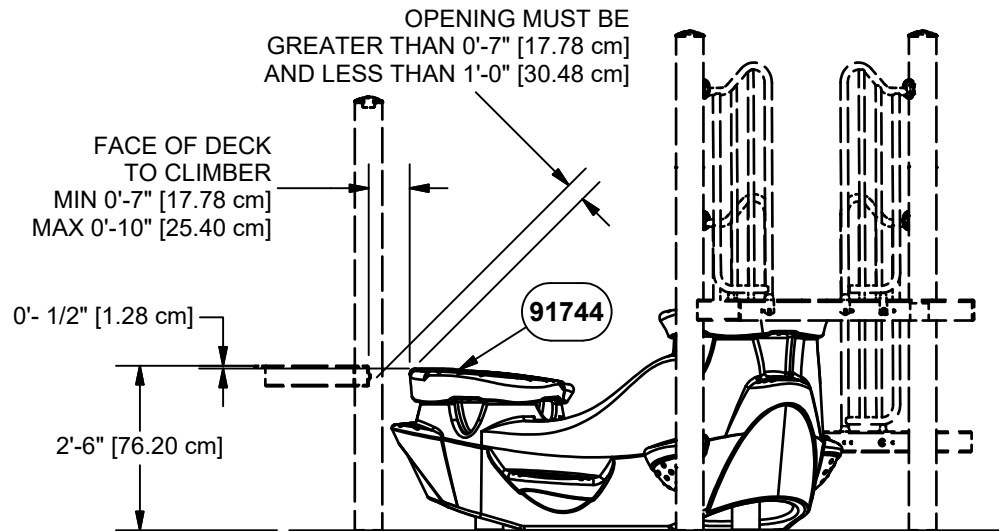


**ELEVATION VIEW**  
91744 CAP  
1'-0" PEDESTAL  
2'-6" DECK HEIGHT

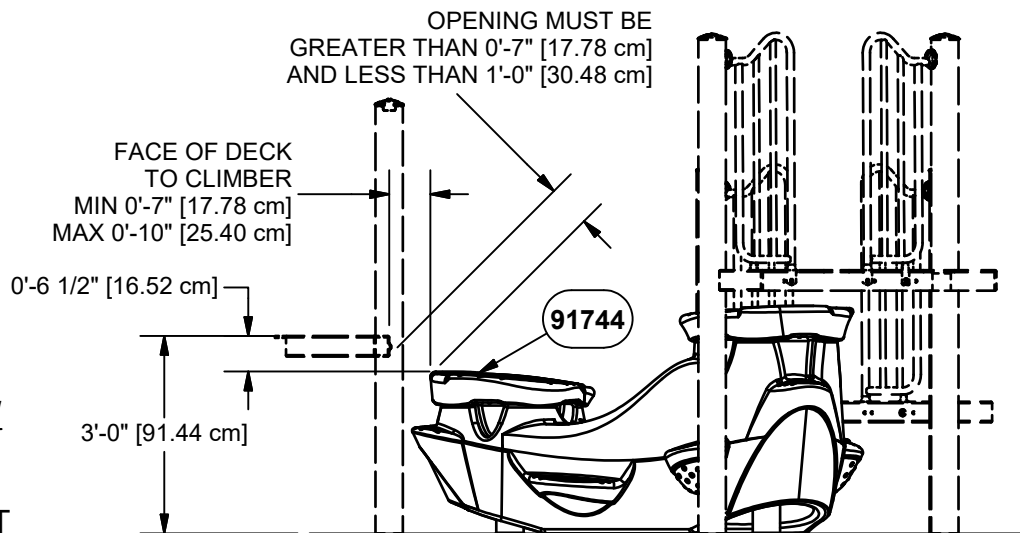




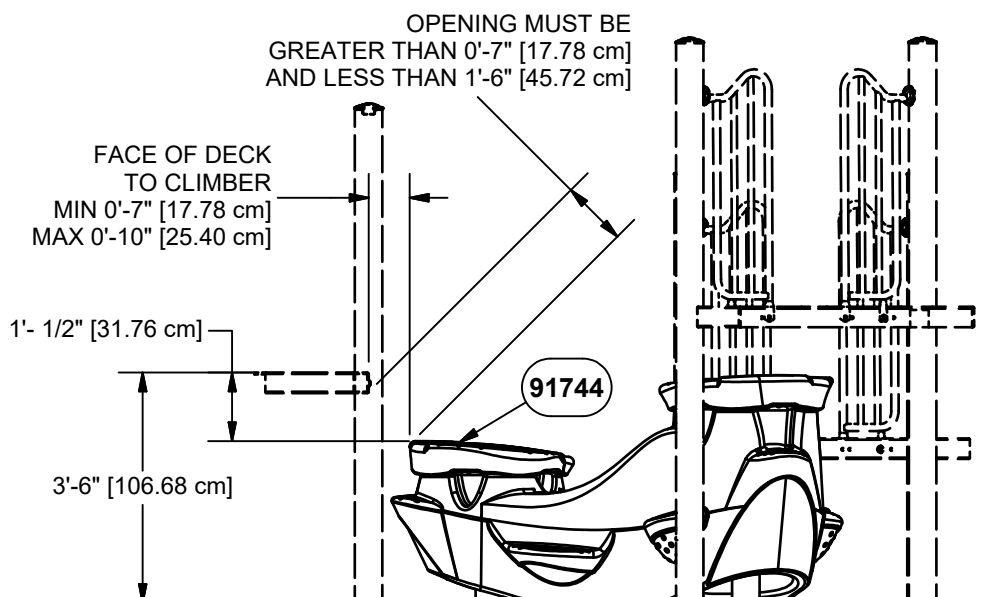
**ELEVATION VIEW**  
 91744 CAP  
 2'-0" PEDESTAL  
 2'-6" DECK HEIGHT



**ELEVATION VIEW**  
 91744 CAP  
 2'-0" PEDESTAL  
 3'-0" DECK HEIGHT



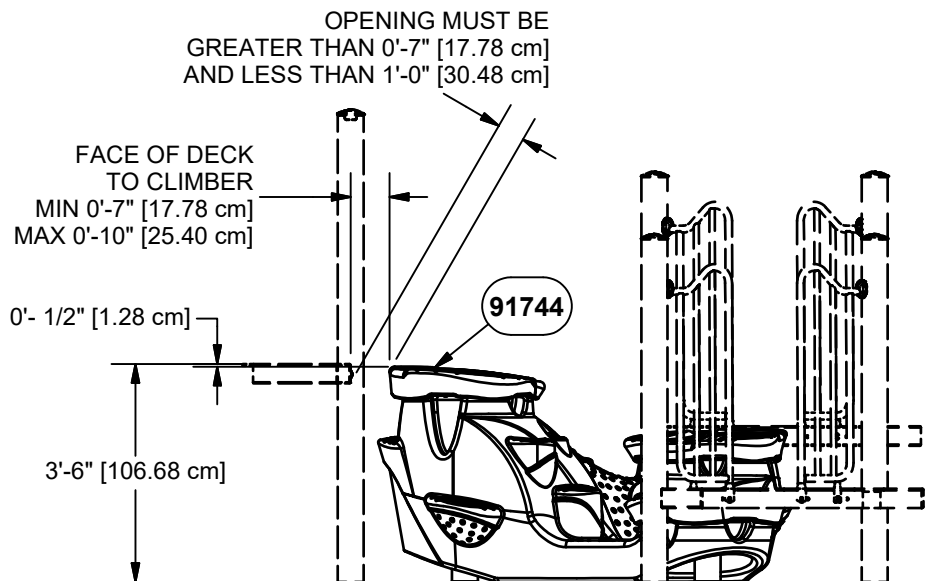
**ELEVATION VIEW**  
 91744 CAP  
 2'-0" PEDESTAL  
 3'-6" DECK HEIGHT



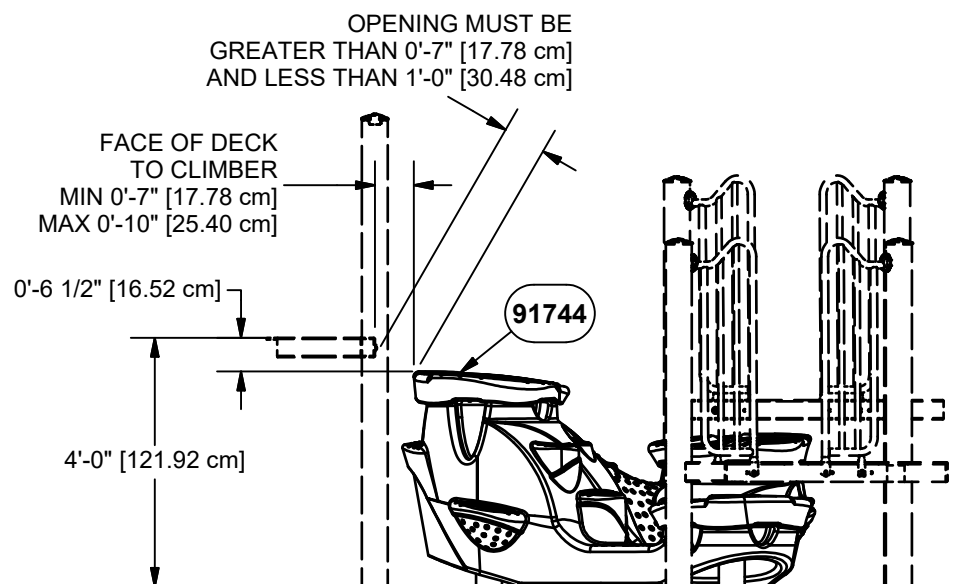




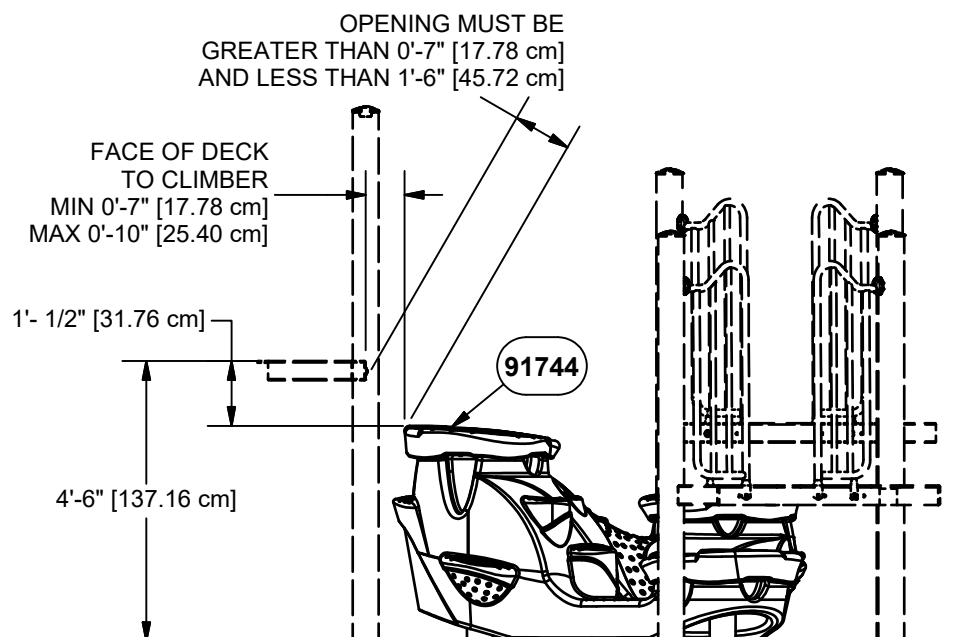
**ELEVATION VIEW**  
91744 CAP  
3'-0" PEDESTAL  
3'-6" DECK HEIGHT



**ELEVATION VIEW**  
91744 CAP  
3'-0" PEDESTAL  
4'-0" DECK HEIGHT

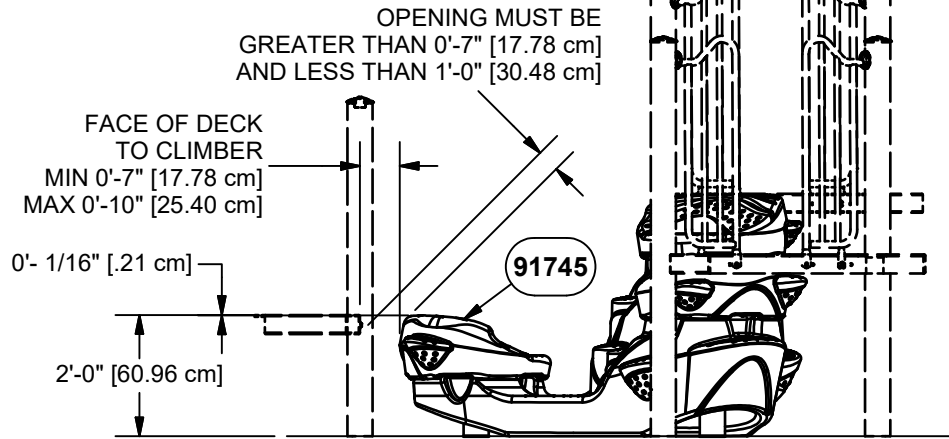


**ELEVATION VIEW**  
91744 CAP  
3'-0" PEDESTAL  
4'-6" DECK HEIGHT

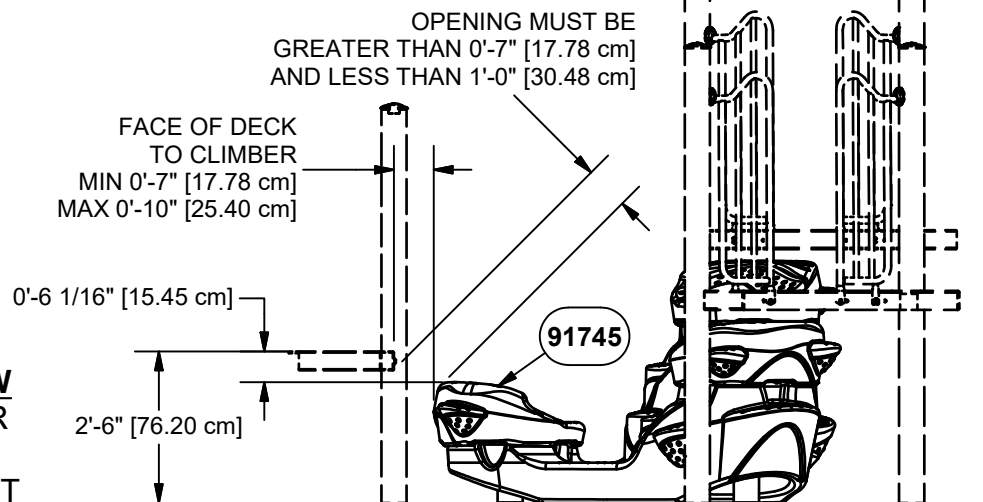




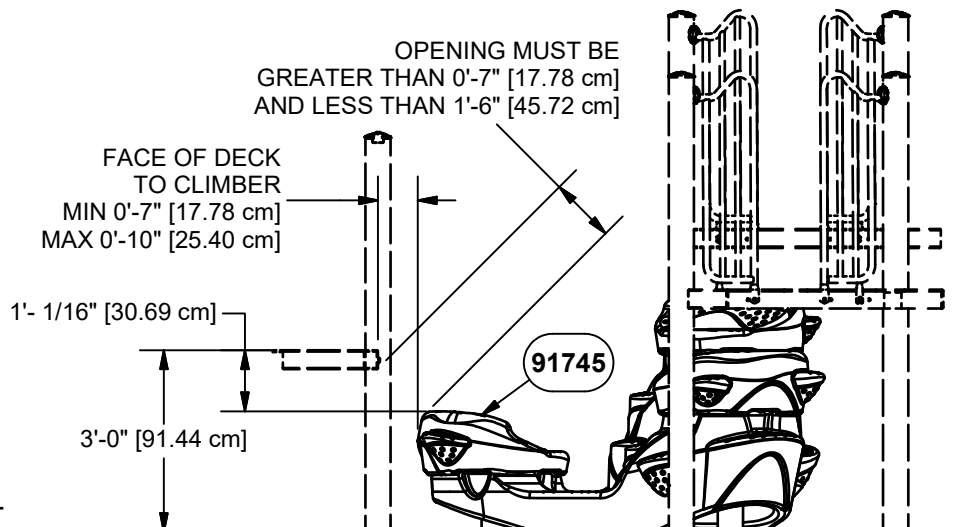
**ELEVATION VIEW**  
 91745 1'-0" RISER  
 1'-0" PEDESTAL  
 2'-0" DECK HEIGHT



**ELEVATION VIEW**  
 91745 1'-0" RISER  
 1'-0" PEDESTAL  
 2'-6" DECK HEIGHT

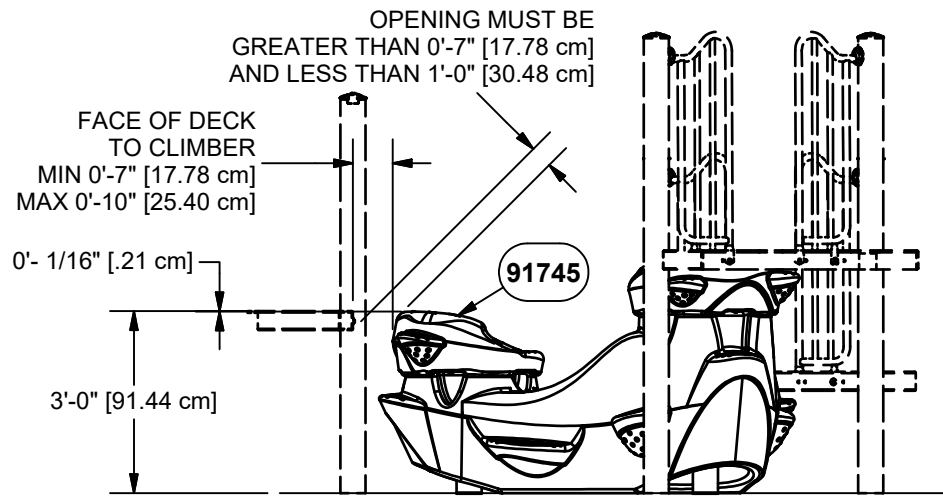


**ELEVATION VIEW**  
 91745 1'-0" RISER  
 1'-0" PEDESTAL  
 3'-0" DECK HEIGHT

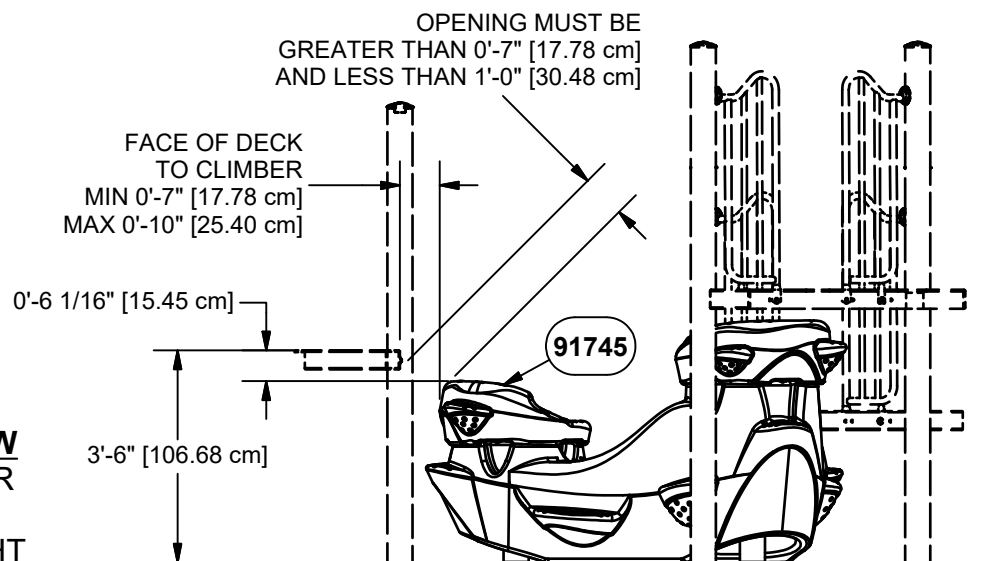




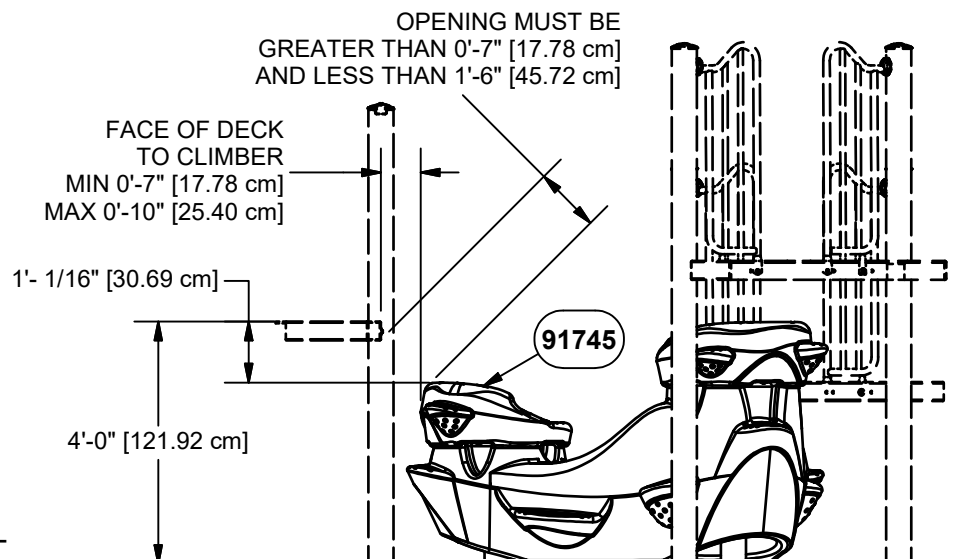
**ELEVATION VIEW**  
 91745 1'-0" RISER  
 2'-0" PEDESTAL  
 3'-0" DECK HEIGHT



**ELEVATION VIEW**  
 91745 1'-0" RISER  
 2'-0" PEDESTAL  
 3'-6" DECK HEIGHT

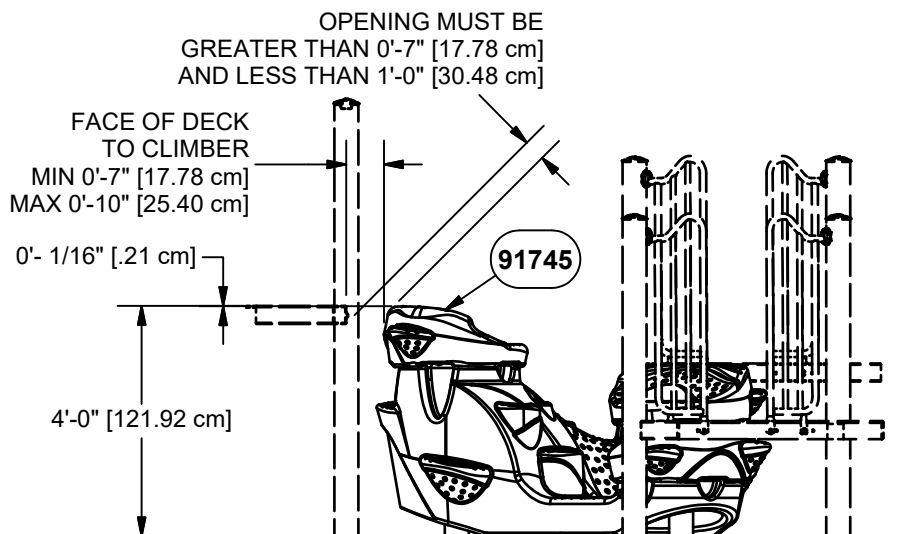


**ELEVATION VIEW**  
 91745 1'-0" RISER  
 2'-0" PEDESTAL  
 4'-0" DECK HEIGHT

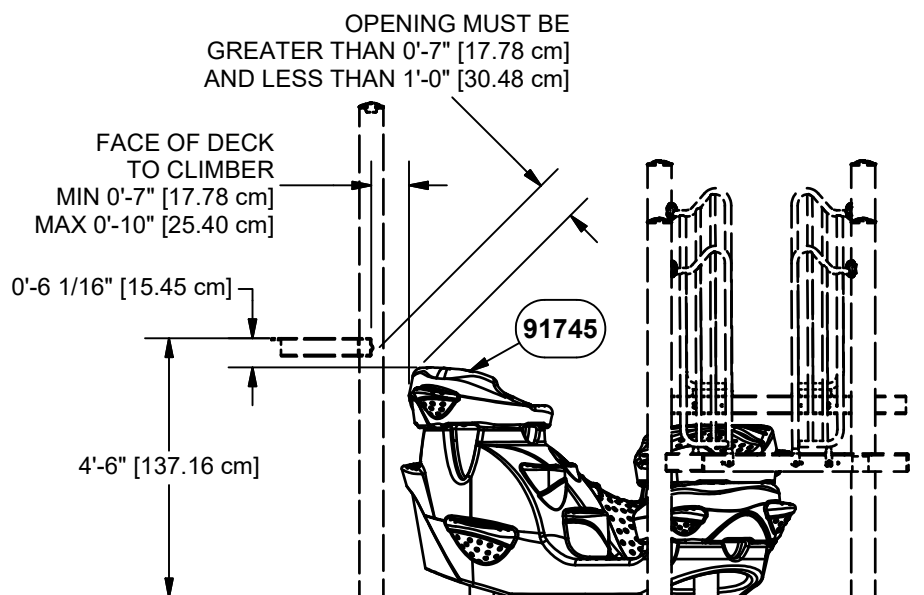




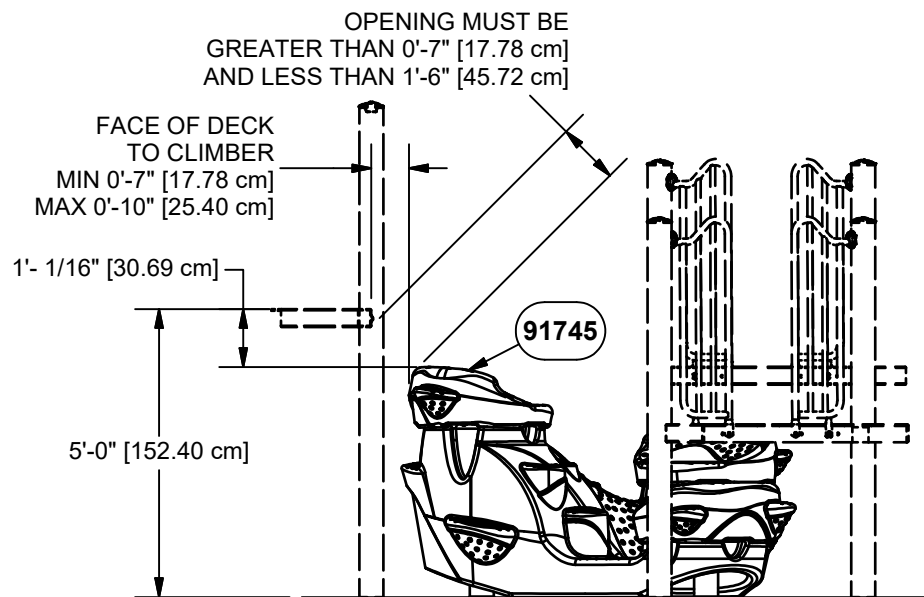
**ELEVATION VIEW**  
 91745 1'-0" RISER  
 3'-0" PEDESTAL  
 4'-0" DECK HEIGHT



**ELEVATION VIEW**  
 91745 1'-0" RISER  
 3'-0" PEDESTAL  
 4'-6" DECK HEIGHT

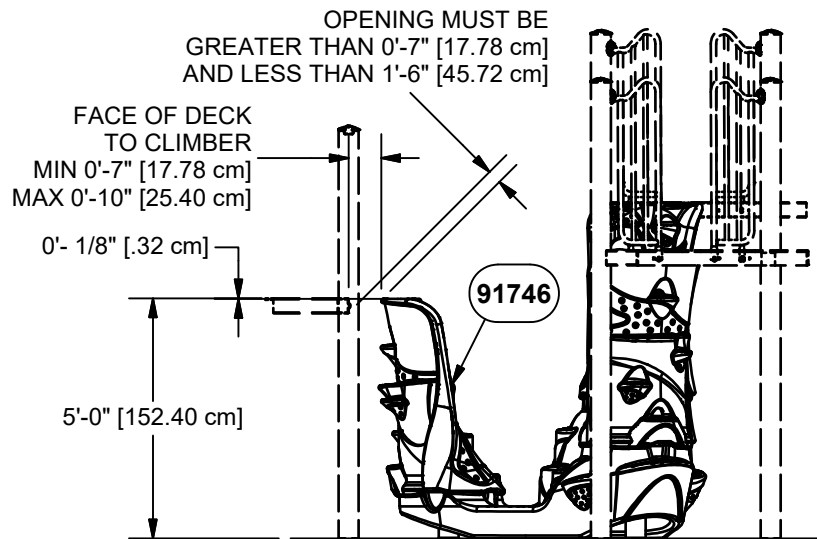


**ELEVATION VIEW**  
 91745 1'-0" RISER  
 3'-0" PEDESTAL  
 5'-0" DECK HEIGHT

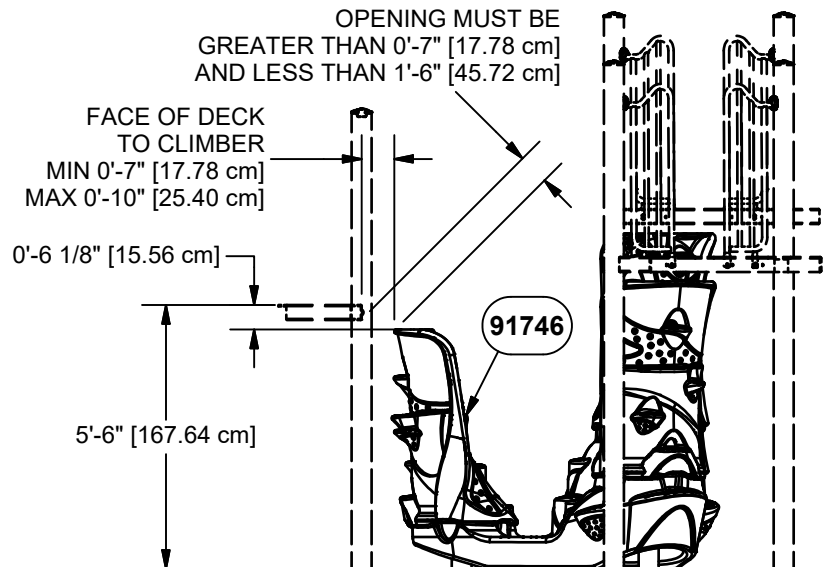




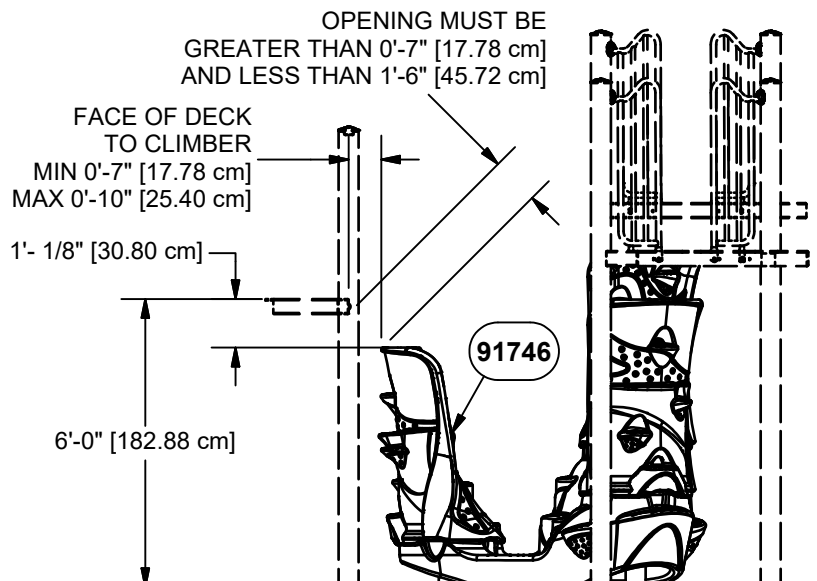
**ELEVATION VIEW**  
 91746 4'-0" RISER  
 1'-0" PEDESTAL  
 5'-0" DECK HEIGHT



**ELEVATION VIEW**  
 91746 4'-0" RISER  
 1'-0" PEDESTAL  
 5'-6" DECK HEIGHT

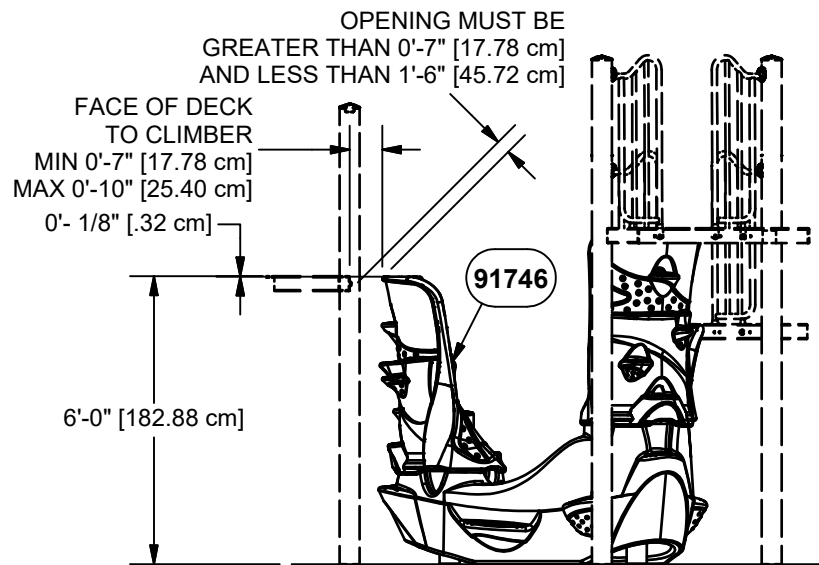


**ELEVATION VIEW**  
 91746 4'-0" RISER  
 1'-0" PEDESTAL  
 6'-0" DECK HEIGHT

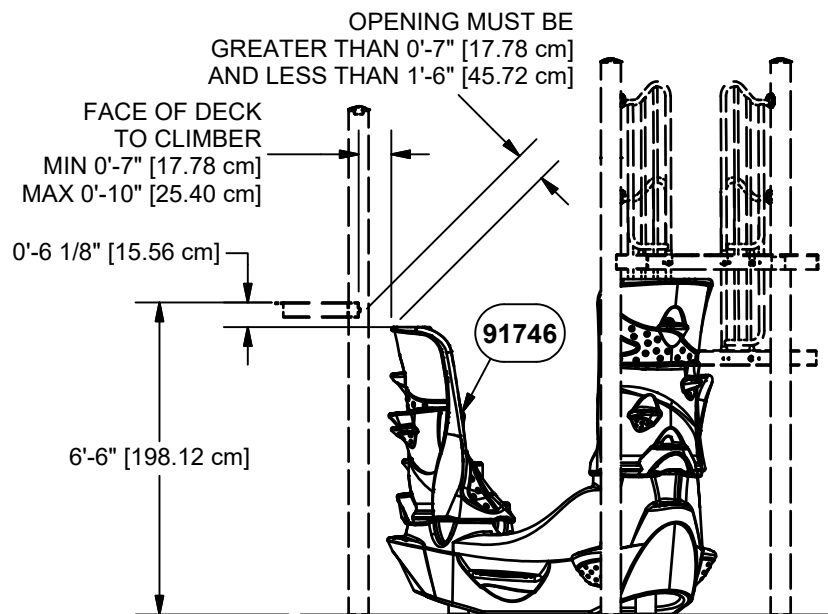




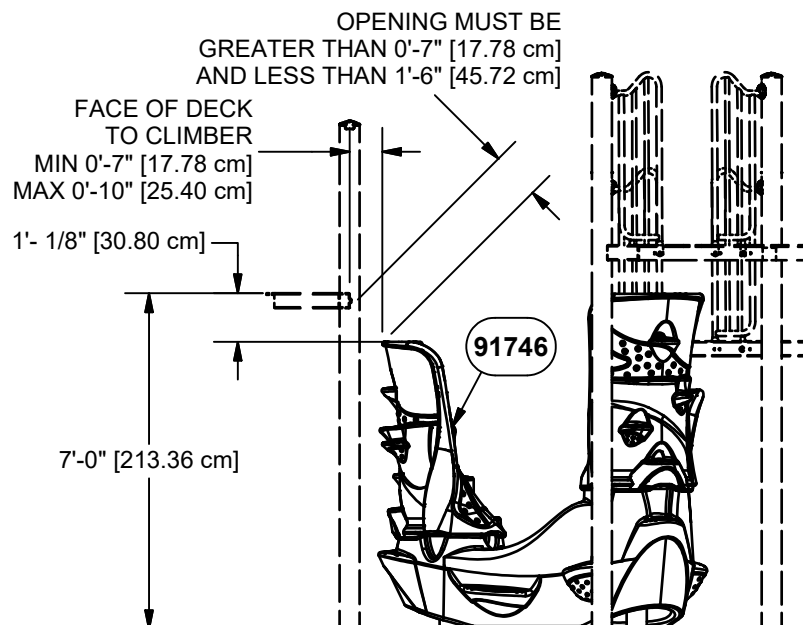
**ELEVATION VIEW**  
91746 4'-0" RISER  
2'-0" PEDESTAL  
6'-0" DECK HEIGHT



**ELEVATION VIEW**  
91746 4'-0" RISER  
2'-0" PEDESTAL  
6'-6" DECK HEIGHT

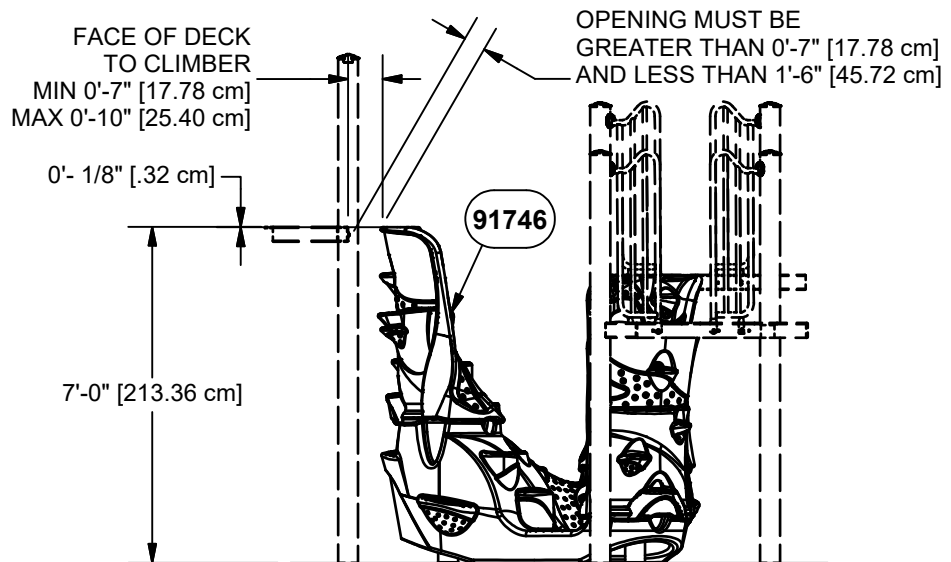


**ELEVATION VIEW**  
91746 4'-0" RISER  
2'-0" PEDESTAL  
7'-0" DECK HEIGHT

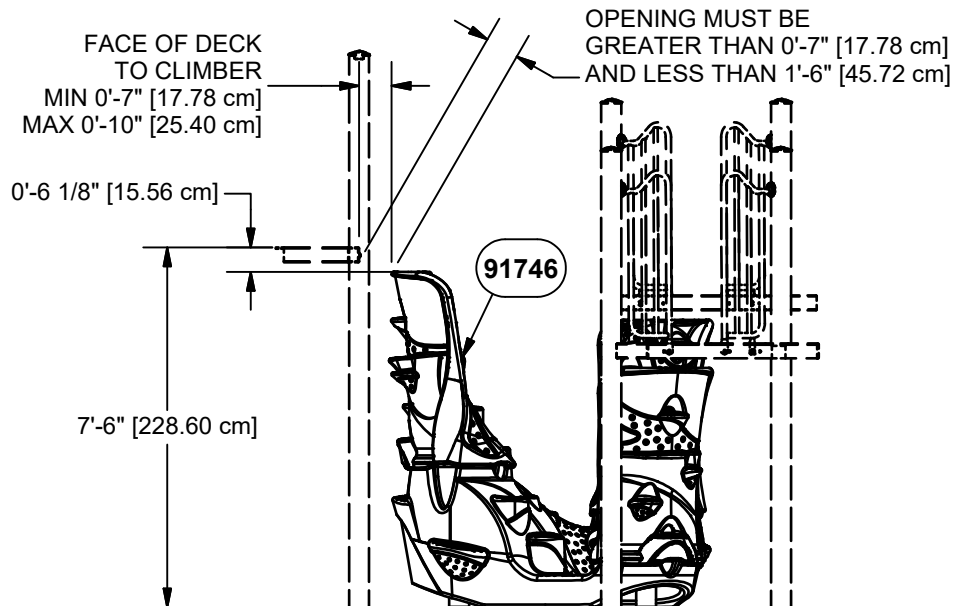




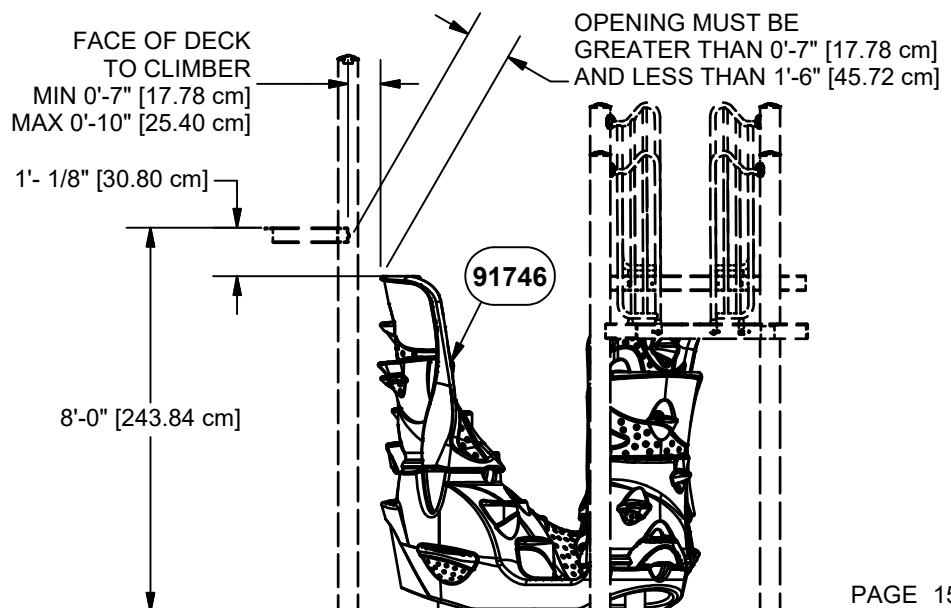
**ELEVATION VIEW**  
 91746 4'-0" RISER  
 3'-0" PEDESTAL  
 7'-0" DECK HEIGHT

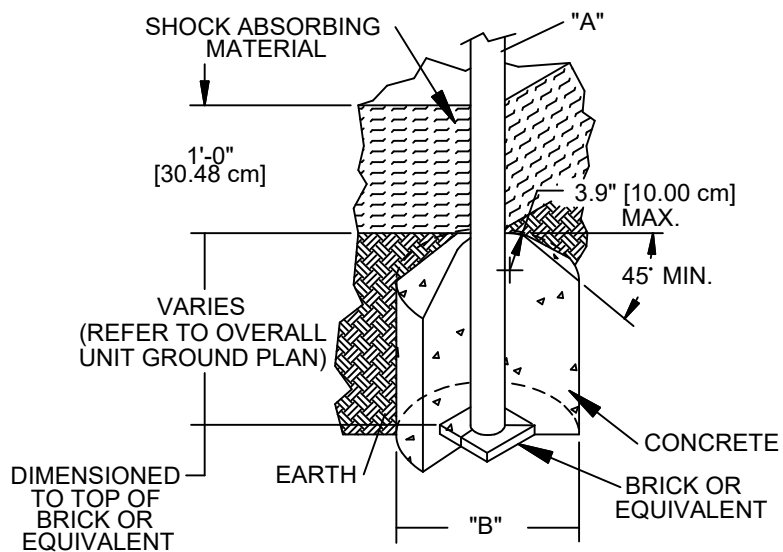


**ELEVATION VIEW**  
 91746 4'-0" RISER  
 3'-0" PEDESTAL  
 7'-6" DECK HEIGHT



**ELEVATION VIEW**  
 91746 4'-0" RISER  
 3'-0" PEDESTAL  
 8'-0" DECK HEIGHT





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**





## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

☐ ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.

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

☐ Equipment should be placed to eliminate conflicting traffic patterns.

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

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

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

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

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

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

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

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

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

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

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

**NOTE: REFER TO YOUR UNIT TOP VIEW FOR CATALINA CLIMBER CONFIGURATION.**

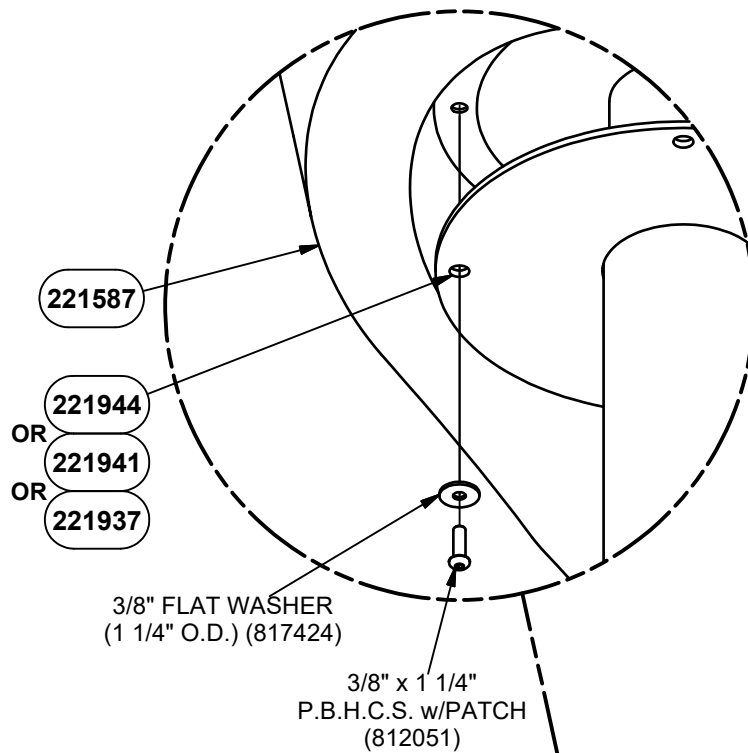
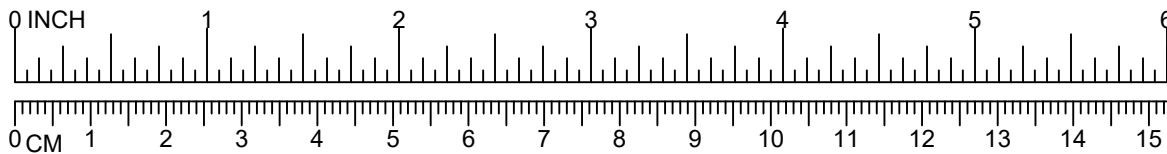
**STEP 1 (91743 ONLY):** Attach Footbuck Weld Assemblies to the bottom of the Catalina Climber Base. **REFER TO PAGE 19.**

**STEP 2:** Attach Mounting Plate Weld Assemblies to the top of the Catalina Climber Base. **REFER TO PAGE 20.**

**STEP 3:** Secure Mounting Plate Weld Assemblies to Footbuck Weld Assemblies. **NOTE:** Using Mounting Plate Weld Assembly as a template, drill Ø3/16" diameter holes in Footbuck Weld Assembly. **REFER TO PAGE 20.**

**STEP 4:** Attach Catalina Climber Cap, 1'-0" Riser, or 4'-0" Riser to Mounting Plate Weld Assemblies. **REFER TO PAGE 21.**

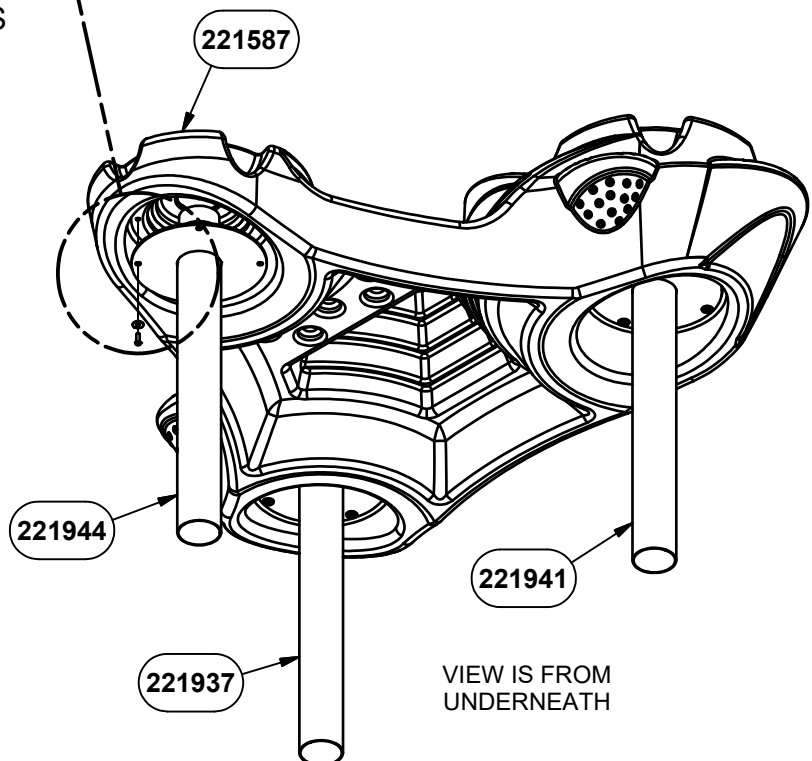
**STEP 5 (91746 ONLY):** Secure Catalina Climber 4'-0" Riser to Mounting Plate Weld Assembly 4'-0". **NOTE:** Using Step 5 Elevation View as a template, drill Ø5/16" diameter hole in Mounting Plate Weld Assembly 4'-0" (221947). **REFER TO PAGE 22.**



**THIS STEP IS FOR  
91743 ONLY**

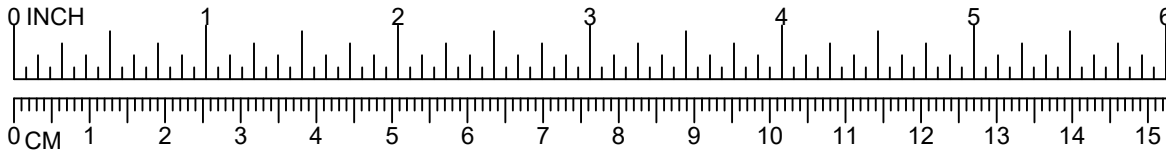
**REFER TO  
PAGES 5 AND 6 FOR  
ELEVATION VIEW**

**STEP 1  
12 PLACES**

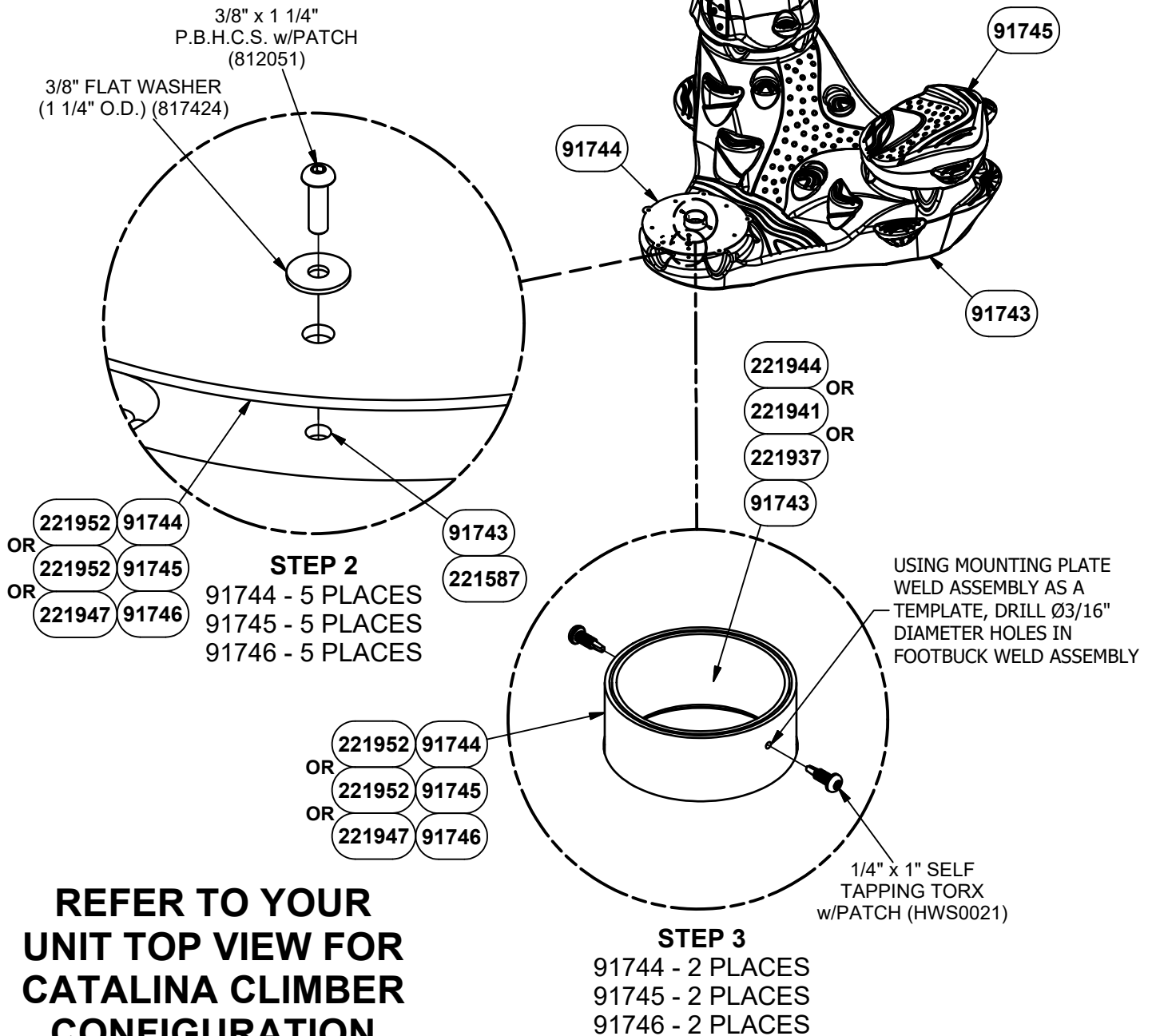


**NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE  
STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

**DETAIL VIEW  
91743 ONLY**



## REFER TO PAGES 7 - 15 FOR DECK HEIGHT ELEVATION VIEWS

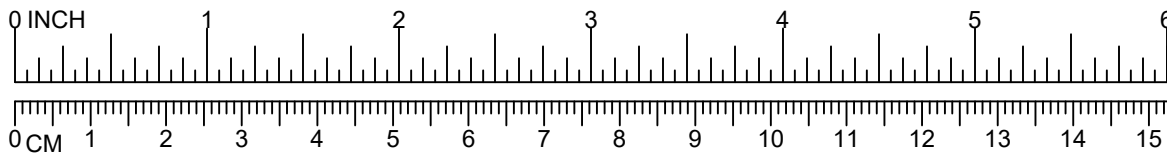


**REFER TO YOUR  
UNIT TOP VIEW FOR  
CATALINA CLIMBER  
CONFIGURATION**

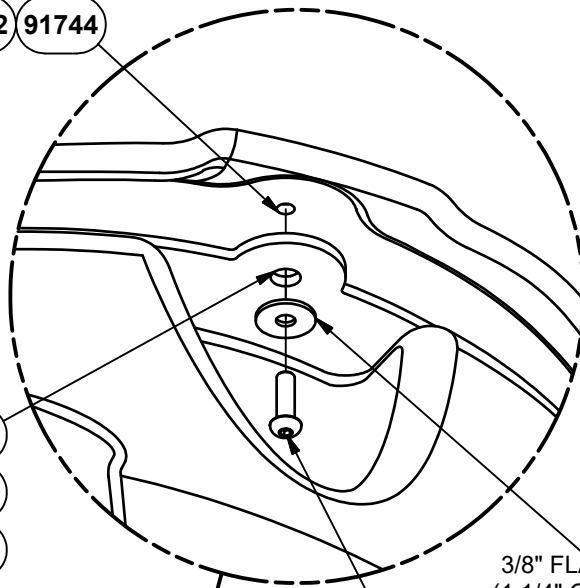
**ASSEMBLY SHOWN  
IS FOR CONNECTION  
PURPOSES ONLY**

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

**DETAIL VIEW**



221628 91746  
OR  
221610 91745  
OR  
221602 91744



**REFER TO YOUR  
UNIT TOP VIEW FOR  
CATALINA CLIMBER  
CONFIGURATION**

**ASSEMBLY SHOWN  
IS FOR CONNECTION  
PURPOSES ONLY**

221952 91744  
OR  
221952 91745  
OR  
221947 91746

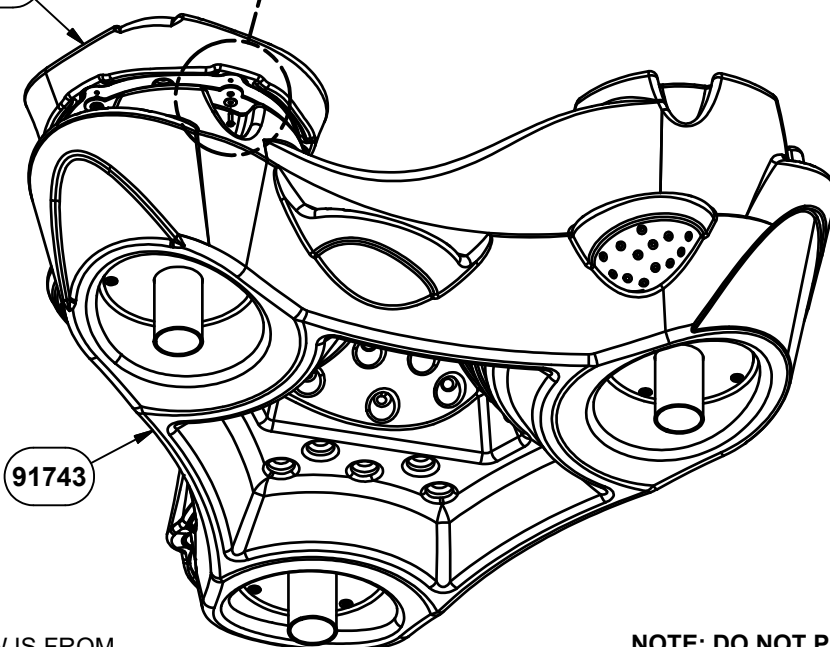
3/8" FLAT WASHER  
(1 1/4" O.D.) (817424)

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

**STEP 4**

91744 - 5 PLACES  
91745 - 5 PLACES  
91746 - 5 PLACES

91744

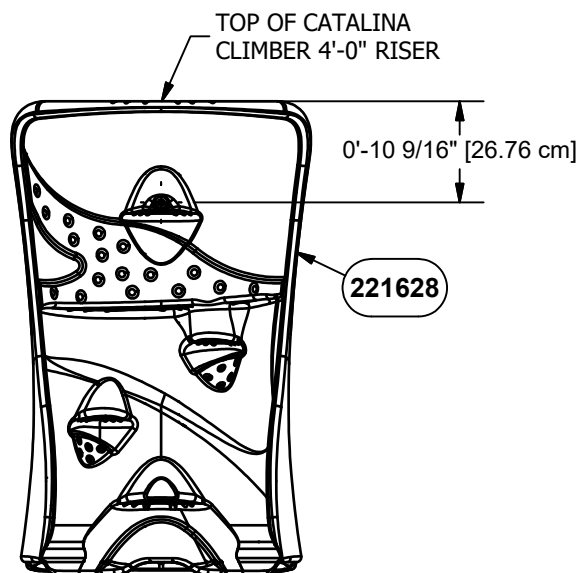
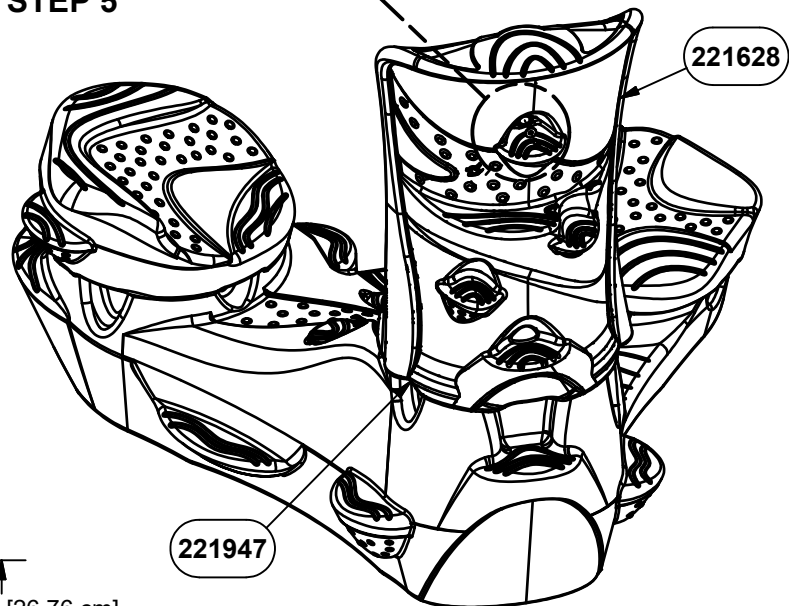
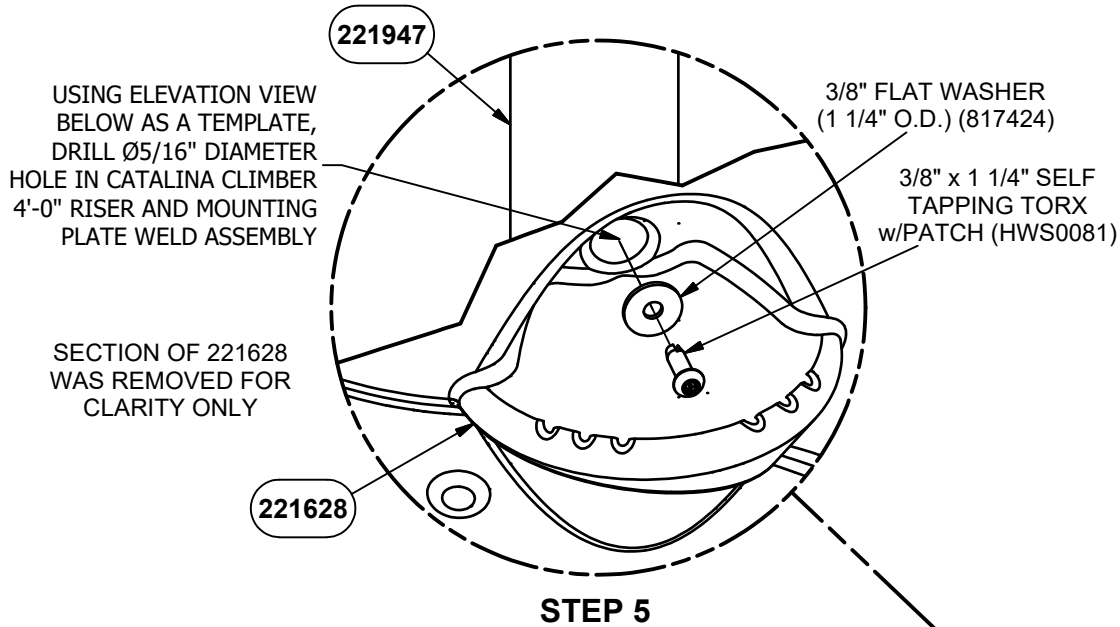
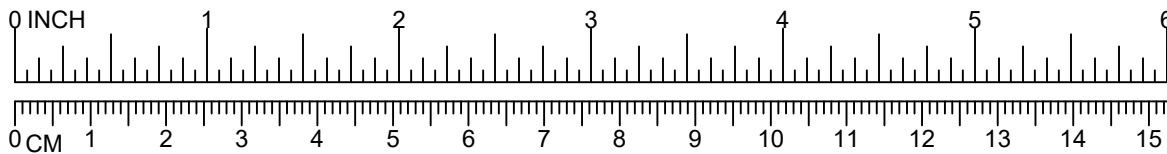


VIEW IS FROM  
UNDERNEATH

**REFER TO  
PAGES 7 - 15 FOR  
DECK HEIGHT  
ELEVATION VIEWS**

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

**DETAIL VIEW**



**STEP 5  
ELEVATION VIEW**

**THIS STEP IS FOR  
91746 ONLY**

**REFER TO  
PAGES 13, 14, AND 15  
FOR ELEVATION VIEWS**

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

**DETAIL VIEW  
91746 ONLY**

Parts List					
DESCRIPTION	91743	91744	91745	91746	PART NUMBER
CATALINA CLIMBER BASE	1	0	0	0	221587
CATALINA CLIMBER CAP	0	1	0	0	221602
CATALINA CLIMBER 1'-0" RISER	0	0	1	0	221610
CATALINA CLIMBER 4'-0" RISER	0	0	0	1	221628
SHORT FOOTBUCK WELD ASSEMBLY	1	0	0	0	221944
MEDIUM FOOTBUCK WELD ASSEMBLY	1	0	0	0	221941
TALL FOOTBUCK WELD ASSEMBLY	1	0	0	0	221937
MOUNTING PLATE WELD ASSEMBLY	0	1	1	0	221952
MOUNTING PLATE WELD ASSEMBLY 4'-0"	0	0	0	1	221947
<b>HARDWARE COMPLETE</b>	1	0	0	0	221953
<b>HARDWARE COMPLETE</b>	0	1	1	0	221954
<b>HARDWARE COMPLETE</b>	0	0	0	1	221955
1/4" x 1" SELF TAPPING TORX w/PATCH	0	2	2	2	HWS0021*
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	0	0	0	1	HWS0081*
3/8" x 1 1/4" P.B.H.C.S. w/PATCH	12	10	10	10	812051*
3/8" FLAT WASHER (1 1/4" O.D.)	12	10	10	11	817424*

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

*\* Included in Hardware*

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

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

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

**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.



Project Number: R0324240161

PlayArea: Additional Items |

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

Date: 5/13/2024 12:00:00 AM



## LABEL, IDENTIFICATION STAMPED W/RIVETS 200111492

AUTHORIZED BY: 04MAR13

*Signature*

Item	Code	Description	Qty.
1	200126872	PLATE ALUM. CR80 x .016 (I.D. LABEL)	1
2	200126822	RIVET POP ALUM 1/8" X 1/4" PRADA440	4

### Application

This product identification label is an important part of your structure. It will provide key information for replacement parts and any warranty issues.

### Installation Instructions

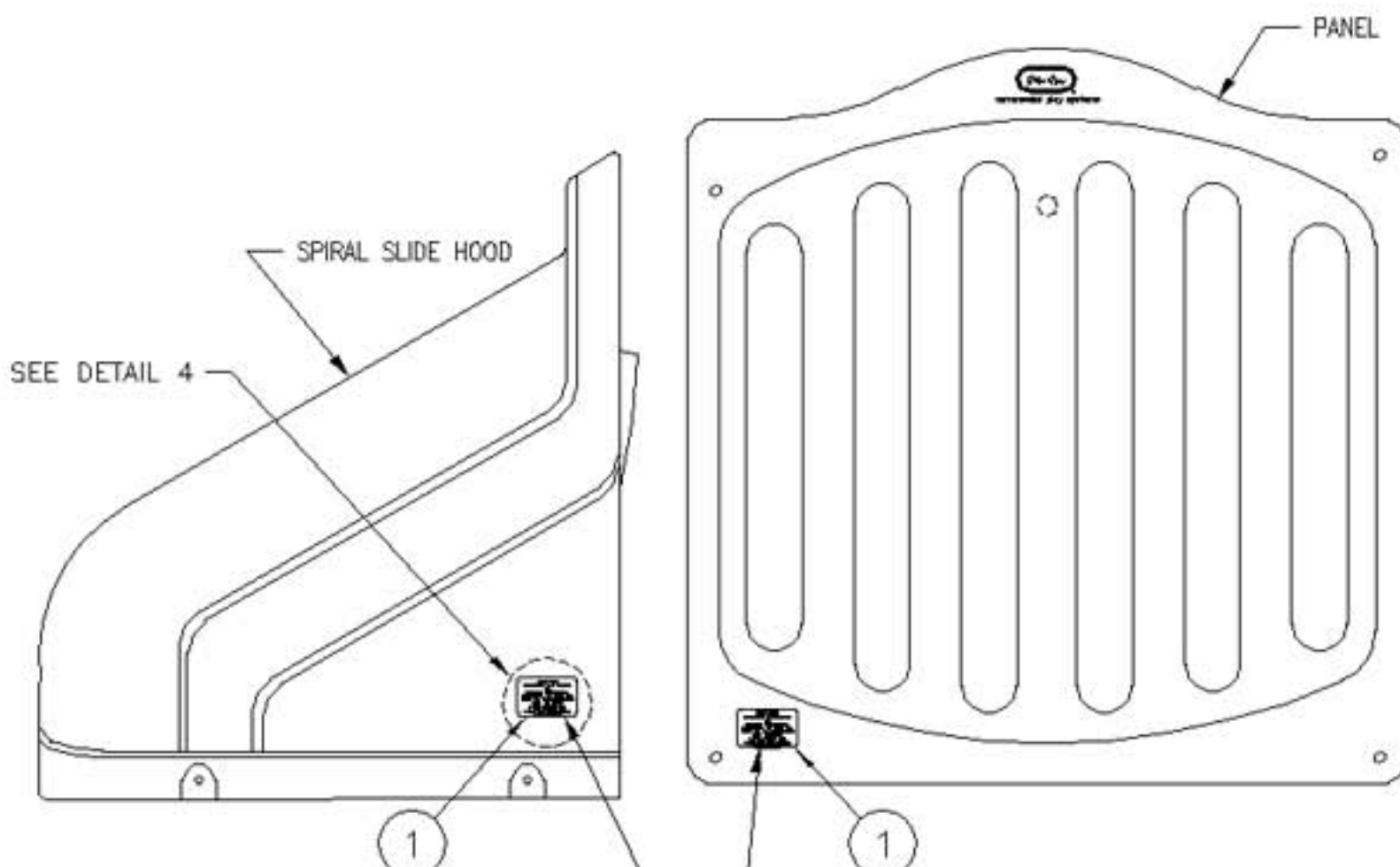
1. The product identification label (item 1) needs to be located in a non active area. It is preferred to be placed on the outside of a spiral slide hood as shown in Detail 1. If there is no spiral slide hood, mount the label on the outside of any panel in the location shown in Detail 2. If you have an all steel structure, or a contained play structure, the label should be attached to a post as shown in Detail 3. On all steel structures, mount the label on a post in a location resistant to tampering, while still easy enough to locate and read when necessary. For contained play structures, the label should be attached to a post in the inaccessible area near the maintenance entrance. For small diameter posts, such as in contained play, it may be easier to mount and read the label in a vertical position as shown in Detail 3.

2. Using the label as a template, mark and drill 4  $\phi 4\text{mm}$  [5/32"] holes.

3. Attach the label using 4 pop rivets (item 2) as shown in Detail 4. Note: Insure label is flush with the surface and no gaps exist.

LITTLE TIKES  
COMMERCIAL PLAY SYSTEMS  
INC.  
ONE IRON MOUNTAIN DR.  
FARMINGTON, MO 63640 USA  
ORDER NO. 123456789012345  
DATE MM/DD/YY  
1-800-325-8828 USA  
1-800-265-9953 CANADA  
WWW.LTTCPSS.COM

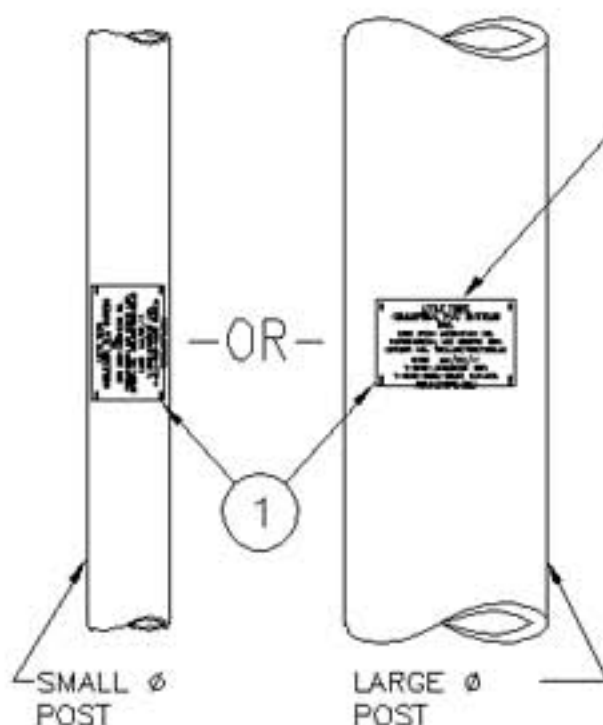
2



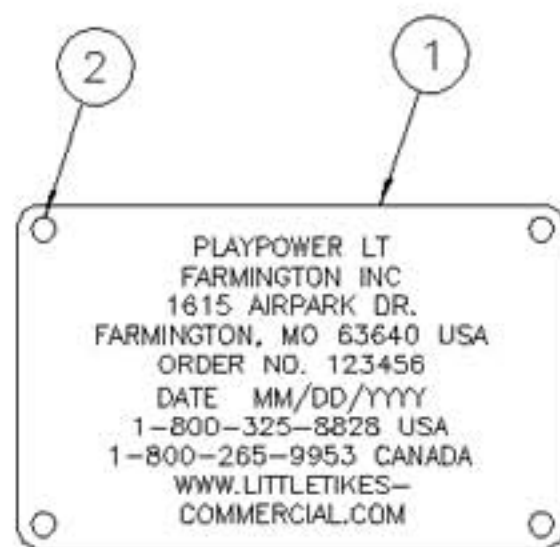
DETAIL  
1

DETAIL  
2

NOTE:  
ATTACH LABEL IN ONE OF THESE LOCATIONS PER STRUCTURE.



DETAIL  
3



DETAIL  
4

AUTHORIZED BY: 03JUL18  
TRACY ARCHER

1A

Age  
Label  
2-5  
yrs.

1B

Age  
Label  
2-12  
yrs.

1C

Age  
Label  
5-12  
yrs.

## AGE APPROPRIATE LABEL (2 TO 5 YRS) 200104304

Item	Code	Description	Qty.
1A	200104304	LABEL AGE APP. (2 TO 5 YRS.)	1
2	116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
3	116099	LABEL, PLAY SMART RULES	1

## AGE APPROPRIATE LABEL (2 TO 12 YRS) 200104305

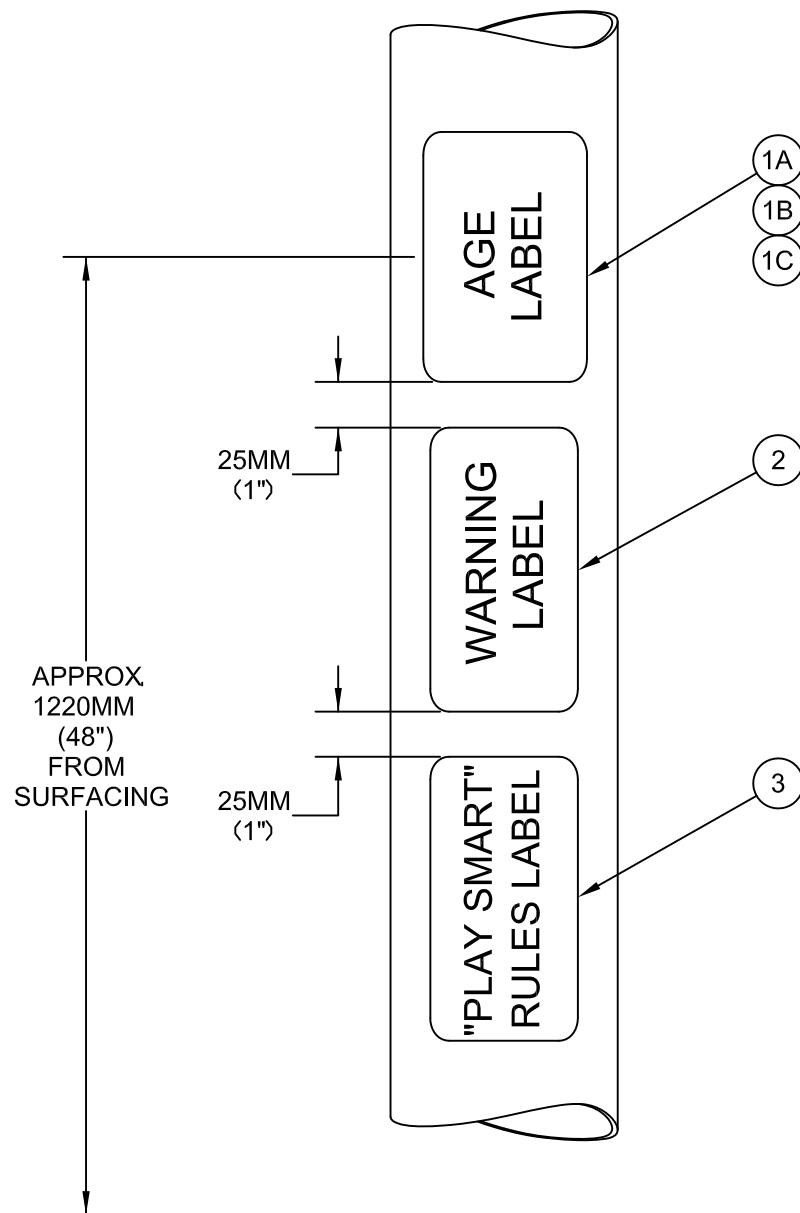
Item	Code	Description	Qty.
1B	200104305	LABEL AGE APP. (2 TO 12 YRS.)	1

## AGE APPROPRIATE LABEL (5 TO 12 YRS) 200104307

Item	Code	Description	Qty.
1C	200104307	LABEL AGE APP. (5 TO 12 YRS.)	1

### Installation Instructions

1. Identify locations where labels are to be installed. These locations will be specified on the Playground Layout Drawing.
2. Clean the area of the post where the label is to be applied. The label should be placed approximately 1220mm [48"] above the protective surfacing and should face outward so that it is easily visible to users. If an obstruction is located at the 1220mm [48"] height, raise or lower the label so that it will attach directly to the post.
3. Remove backing from label and carefully apply it making sure it is oriented squarely on the post. Rub label to remove all air bubbles.





Project Number: R0324240161

PlayArea: PlayArea\_1 | KidBuilders

Project Name:

Project Location:

Sales Representative:

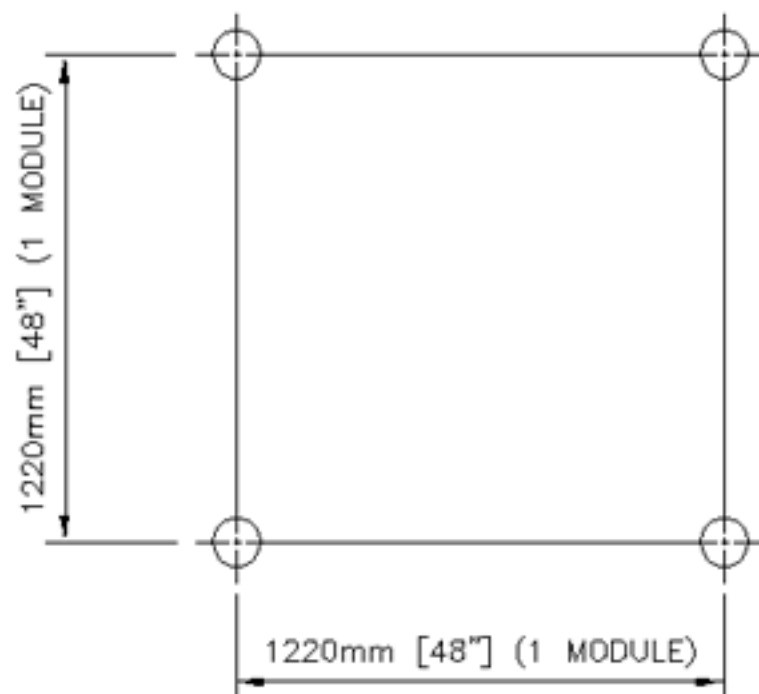
Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

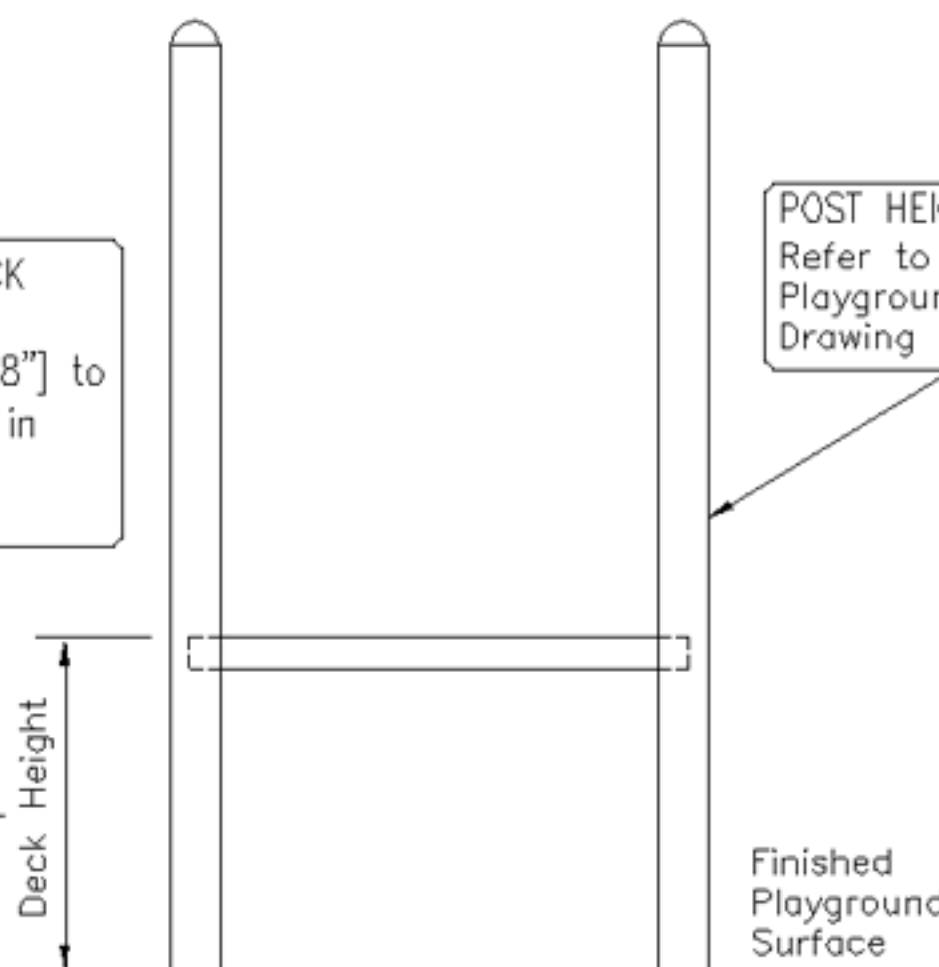
Please, read all information in this manual  
before starting to install your equipment.

Date: 5/13/2024 12:00:00 AM

Posts and decks of the Kid Builders system are based on a module of 1220mm [48"] x 1220mm [48"]



**STANDARD DECK HEIGHTS:**  
From 203mm[8"] to 2440mm[96"] in 203mm[8"] increments.



**POST HEIGHTS:**  
Refer to  
Playground Layout  
Drawing

Finished  
Playground  
Surface

**NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS**

BEFORE STARTING INSTALLATION OF YOUR KID BUILDERS PLAYGROUND, "PLEASE READ INSTRUCTIONS THOROUGHLY"

AUTHORIZED BY:  
*Chris M. MacLennan* 15MAR01

## SITE REQUIREMENTS:

The Kid Builder system is designed to suit a level site. Should there be any falls or slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

## MAINTENANCE:

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm[3.5"] to 228.6mm [9"], or string entanglements. Make certain the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

**ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.**

## SAFETY AREAS:

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

## INSTALLATION MANUAL:

We have tried to make this installation manual as comprehensive and factual as possible. Please note from time to time information may be changed or updated. Equipment shown or described throughout this manual may be changed. The right is reserved to make changes at any time without notice.



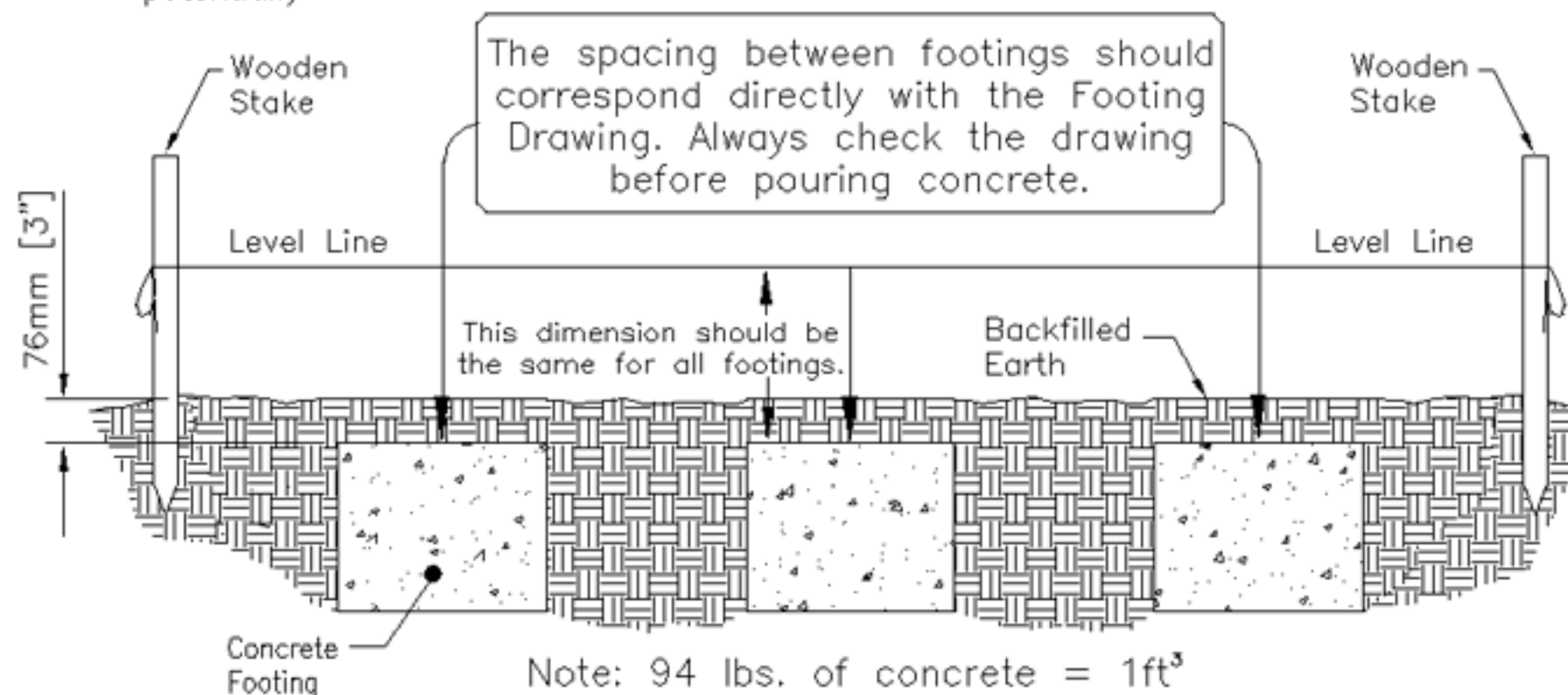
## THE ORDER OF ASSEMBLY:

- 1) Prepare your site. (Consideration is necessary for installing the talk tube on a structure. See Site Preparation Guidelines, or Talk Tube instructions for details.)
- 2) If you are using an Anchor bolt, you will need to pour concrete at least 48 hours in advance. Do not leave any open holes overnight. (Never leave a structure overnight in a potentially hazardous condition, i.e. open footing holes, open decks, exposed concrete, without roping off the area and posting warning signs. It is always best if the construction is scheduled such that the entire installation can be performed in one day, however, with larger structures this may be difficult.)
- 3) Start with the lowest deck and four posts. Calculate the location of the deck top on the first post by adding 991 [39"] to the deck height. Mark the post then install as shown. (See Square Deck installation instructions for further details. THE INSTALLATION OF THE FIRST DECK IS CRITICAL TO PROPERLY INSTALLING THIS EQUIPMENT, SO MAKE SURE THE POSTS AND DECK ARE AT THE PROPER HEIGHT AND ARE PLUMB AND LEVEL.
- 4) Place this assembly in the footings. If you are sure the first deck assembly is correctly positioned, you may pour the four post footings at this time to help stabilize the structure. If installing the Surface Mount method, move the assembly to the proper location. Use the feet as templates, drill bolt holes and secure the structure to the footings.
- 5) If a Deck to Deck Plate, Ladder Panel, or Interstep Deck are to be attached to the first deck, assemble the bottom edge to the deck edge. See individual instructions for details.
- 6) Attach the next deck to two posts and move the posts into the footing holes and level the deck. Attach the two open corners of the deck to the previous deck assembly posts. Finish installing the deck to deck attachment by assembling it to the edge of the upper deck.
- 7) Attach any structure linking events or overheads to the deck assemblies, such as Crawl Tunnels, Clatter Bridges, Burmese Bridges, Suspension Bridges, Challenge Ladders, etc. Continue to add the remaining decks and deck attachments to the existing structure until all platforms are in place.
- 8) Make sure the structure is level and the decks are at the proper height. Install any roofs or enclosures.
- 9) Install all remaining events.
- 10) Tighten all hardware and install clamp drive pins. Be sure to use as many as the instructions call out.
- 11) Place warning labels on the structure. Inspect playground for protruding hardware, entrapment gaps between 89mm [3-1/2"] to 229mm [9"], and string entanglements. Make sure the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible exposed bolt ends that protrude beyond the face of the nut more than two threads should be trimmed and peened by the installer.
- 12) Install resilient surfacing on the entire "use zone".

## MAKING LEVEL FOOTINGS:

By using wooden stakes and stringing a level line, you can determine the proper height for your concrete. If available, a surveyor's transit will also be helpful.

Determine ground level at the lowest footing location and pour concrete in this location first. This level will be your datum plane. (The point at which all other footing heights are referenced from.) Pour the rest of the footings up to 76mm[3"] from the level of the datum plane. Make sure that all measurements from the top of the poured footing to the level line are the same. (Hint: If installing a surface mount structure, concrete should be poured at least 48 hours in advance of the playground being installed to ensure maximum holding potential.)



If installing with the Inground method, you must always backfill footings with at least 76mm[3"] of earth after concrete has cured (not shown).

## SUGGESTED TOOLS:

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| - 2 Magnetic Levels                   | - Extension Cords                |
| - 1 1220[48"] Carpenter's Level       | - Water Supply/Garden Hose       |
| - 2 Measuring Tapes                   | - Wooden Stakes                  |
| - 1 Felt Tip Pen                      | - Concrete (in some cases)       |
| - 1 Sledge Hammer or Rubber Mallet    | - Some sort of digging equipment |
| - 1 610mm-915mm [24"-36"] Bolt Cutter | - Transit                        |
| - 1 Roll of String                    | - Adjustable Wrenches            |
| - Ratchets for M10 Torx Service Drive | - Metric Socket Set              |
| - Electric Drill                      | - Various Drill Bits             |
| - C-Clamps                            | - Wheel Barrow                   |
| - Saw Horses                          | - Ladders                        |
| - Resilient Ground Cover              | - Generator/ Power Source        |





## WARNING

INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS.

L'INSTALLATION SUR SURFACE DURE TELLE QUE DU CIMENT, DE L'ASPHALTE OU DE LA TERRE BATTUE PEUT CAUSER DE SERIEUSES BLESSURES OU MEME LA MORT EN CAS DE CHUTE.

INSTALACION SOBRE UNA SUPERFICIE DURA, TAL COMO CONCRETO, ASFALTO O TERRENO COMPACTADO, PUEDE PROVOCAR QUE UNA CAIDA CAUSE LESIONES SERIAS O INCLUSO LA MUERTE.

Little Tikes Commercial Play Systems Inc.  
P.O. Box 897  
Farmington, MO 63640

For more information, call Little Tikes  
Commercial Play Systems Inc.  
at 1-888-458-2737 or 1-573-756-4591

← This label has been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the safety risk involved if a fall onto a hard surface occurs.

It is important when installing your play equipment to display this label in a prominent location on each structure.

This label should be placed such that it will:

(1) Be readily visible to the intended viewer and,

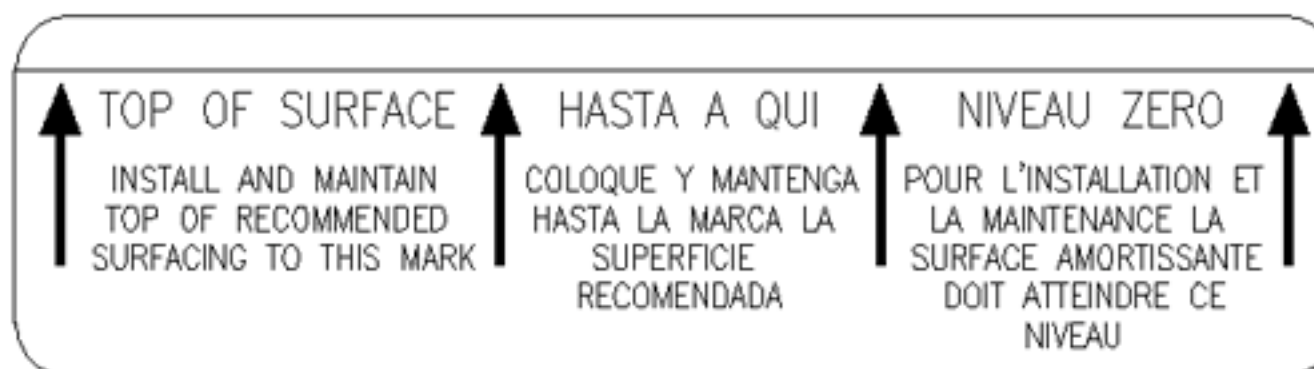
(2) Alert the viewer to the potential hazard in time to take appropriate action.

Do not place this label in a high traffic area or in a location of excessive wear. If the label becomes illegible, destroyed, or removed, it is necessary for the operator to replace the label as soon as possible.

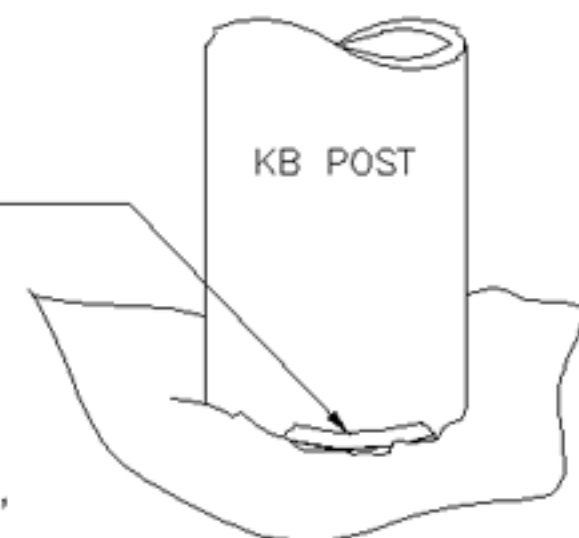
## SLIDE INSTALLATION:

Due to manufacturing variability, the actual slide footing dimensions may vary from the installation instruction dimensions by as much as 50mm [2"]. Actual footing locations should be determined by positioning assembled equipment.

If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.

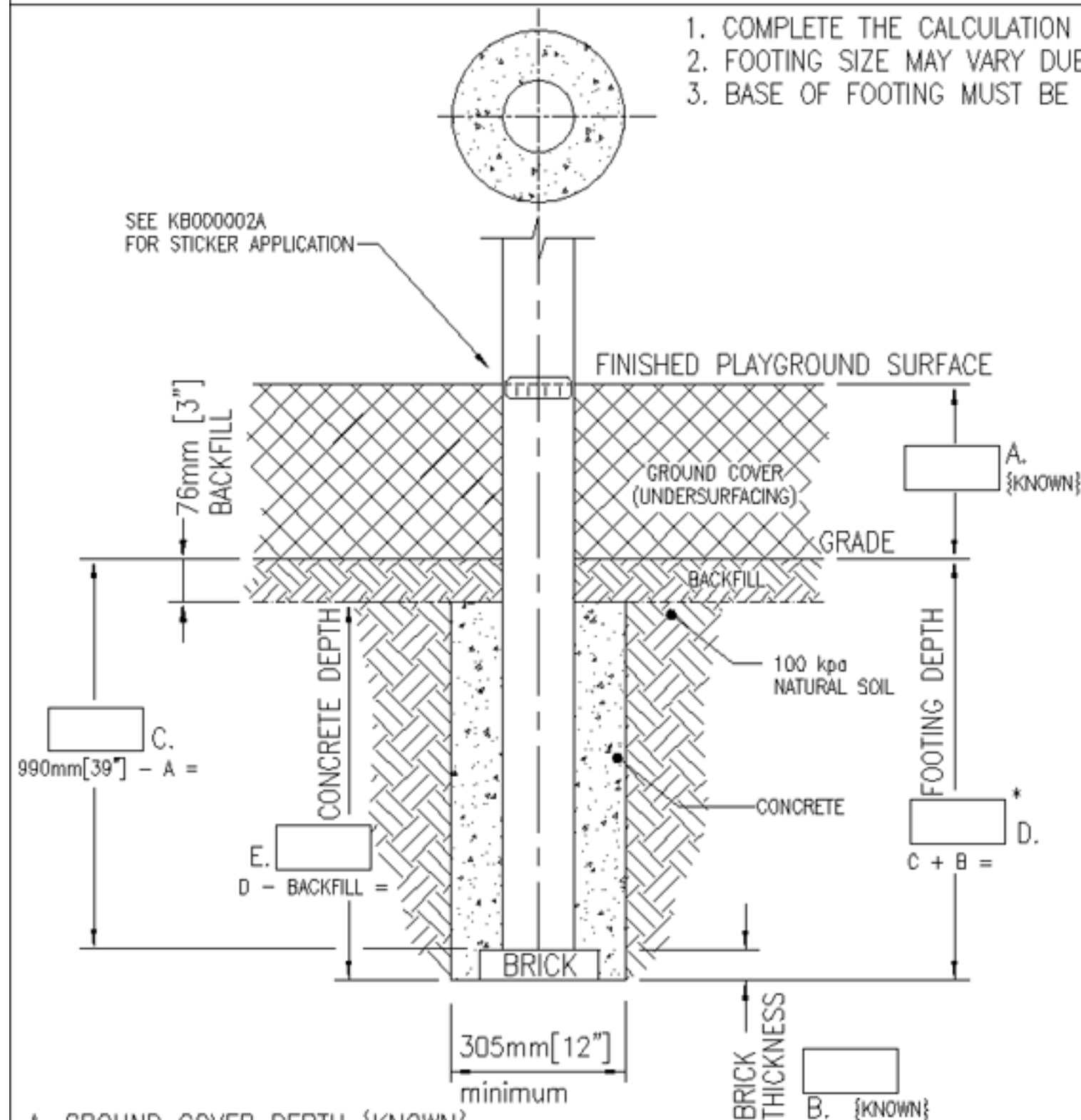


The sticker shown here has been provided to assist with the maintenance of your ground cover. After installing the ground cover, these stickers should be placed on the post by the installer (as shown). Peel the backing away from the sticker and attach it to the post so that the line is level with the top of your ground cover. As erosion or compaction of surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing.



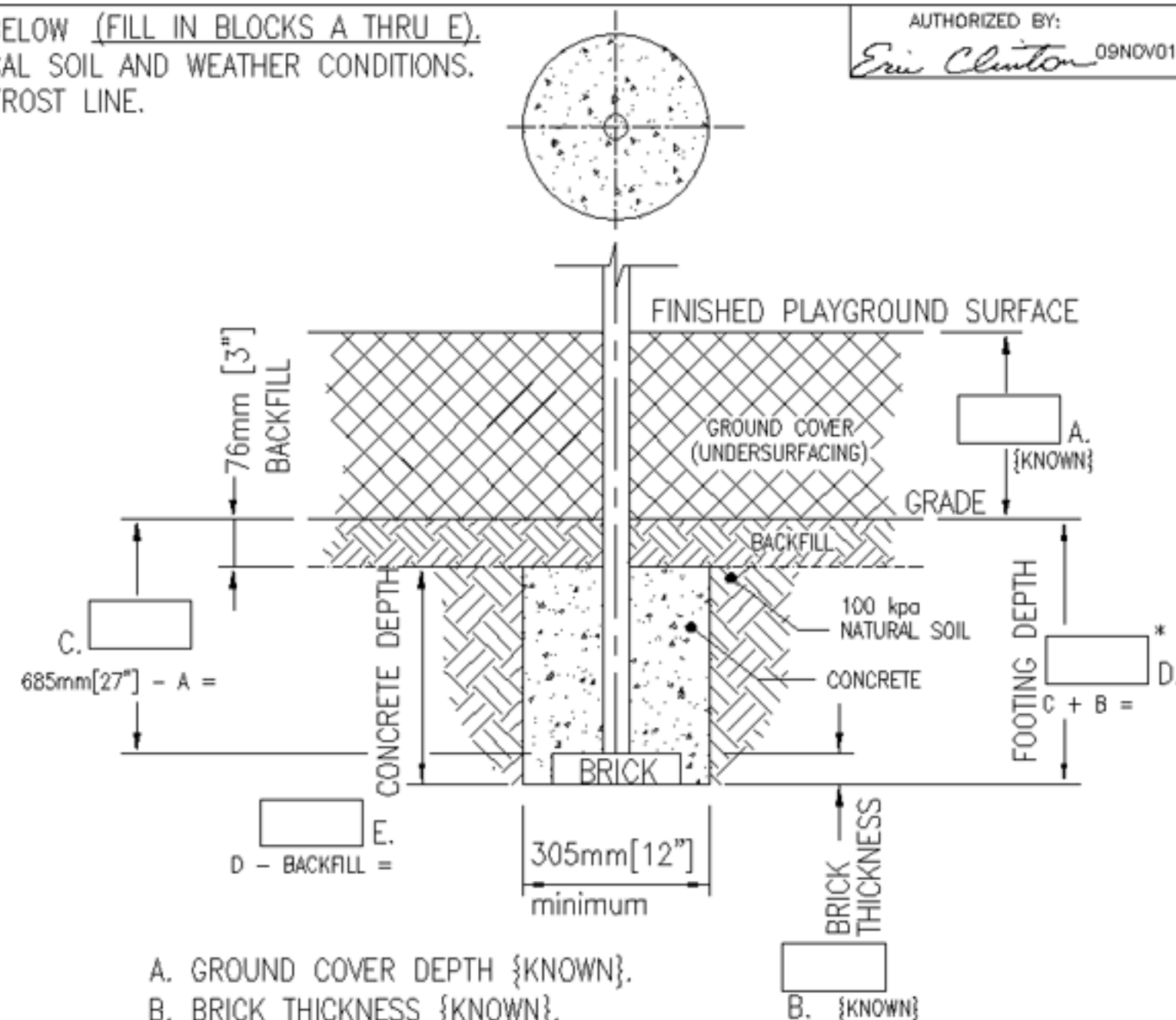
1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

SEE KB000002A  
FOR STICKER APPLICATION



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 990mm[39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm[39"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
- \*MINIMUM 610mm[24"] + BRICK THICKNESS FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

## KB POST FOOTING - INGROUND



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 685mm[27"] - A
- BECAUSE A + C SHOULD ALWAYS EQUAL 685mm[27"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
- \*MINIMUM 305mm[12"] + BRICK THICKNESS FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

## KB PLAYEVENT FOOTING - INGROUND

### HOW MUCH CONCRETE?

#### VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

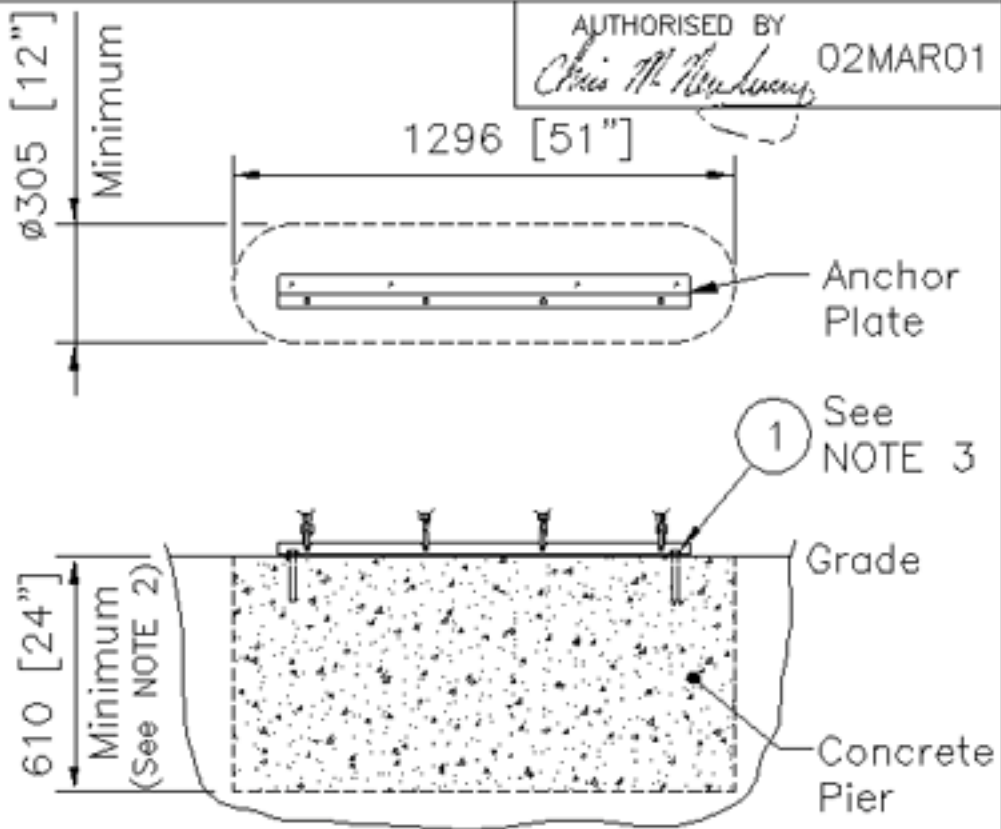
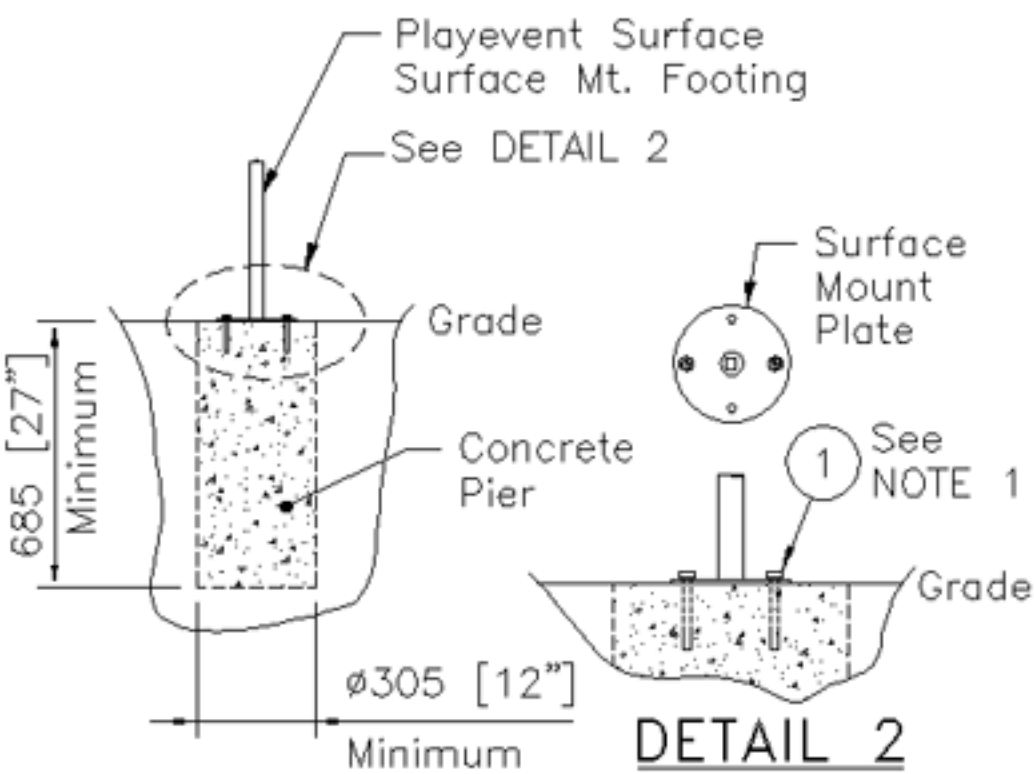
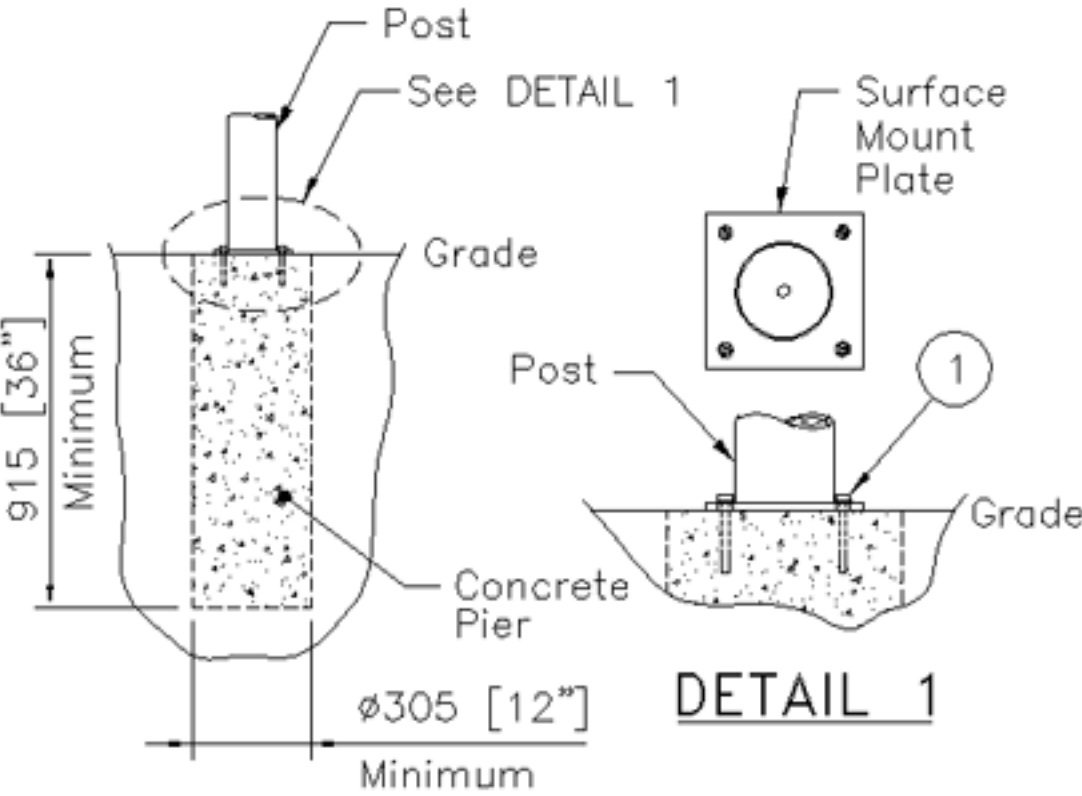
$$= 0.067 \text{ M}^3 \times \frac{\text{CONCRETE DEPTH (mm)}}{915} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \frac{\text{CONCRETE DEPTH (IN)}}{36} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.



OPTION 1: PIER



NOTE 1: Two per plate, diagonally located.

NOTE 2: Depth is less than round anchor because of extra volume of concrete.  
NOTE 3: Anchor bolts shown on ends, but can be moved to other holes if necessary for accessibility.

Post Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4

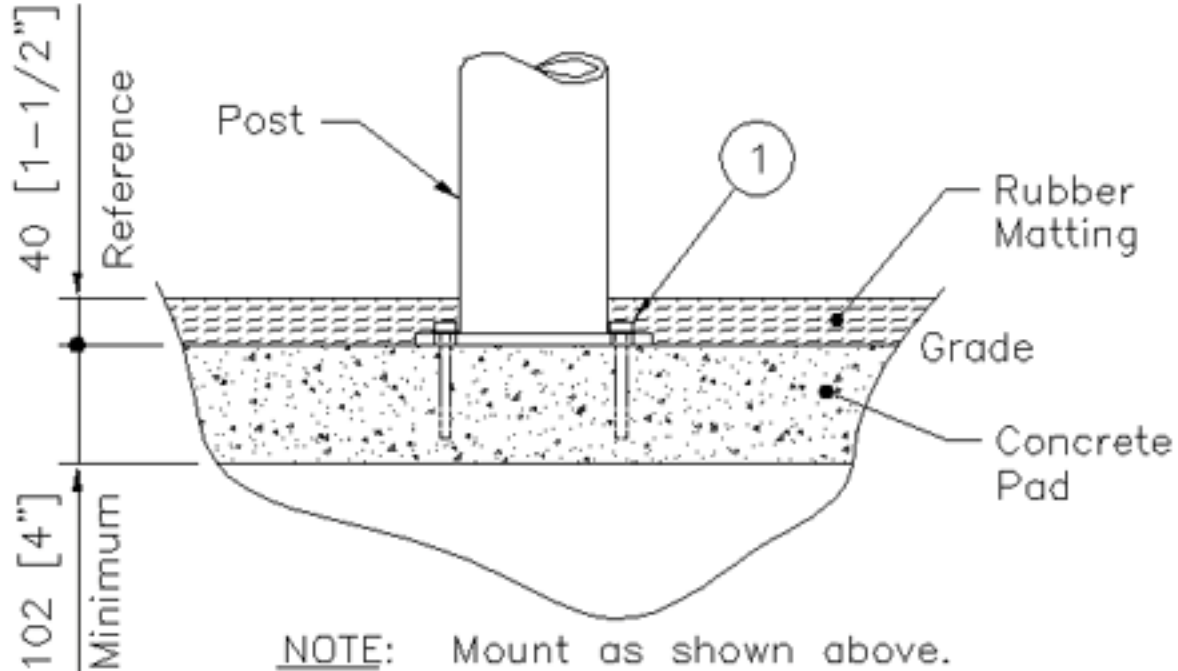
Post Footing

Playevent Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

Playevent Footing

OPTION 2: CONCRETE PAD

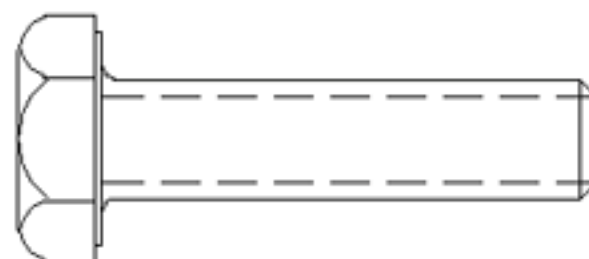
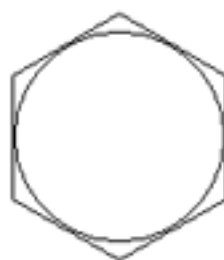
NOTE 4: Concrete may require up to 3 days to cure.  
NOTE 5: A 3/8" Masonry bit is required to install anchor bolts.



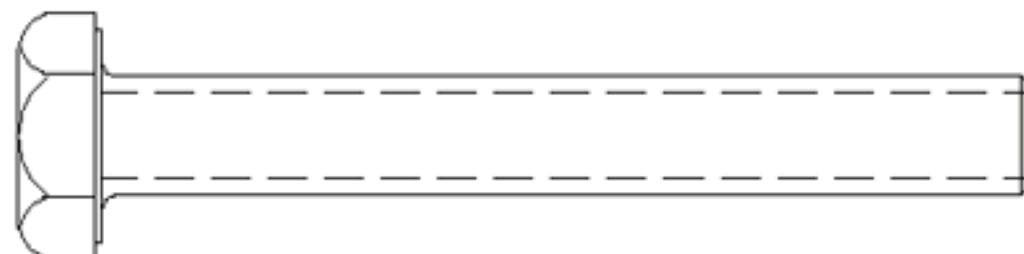
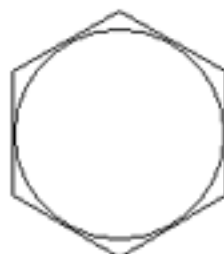
NOTE: Mount as shown above.



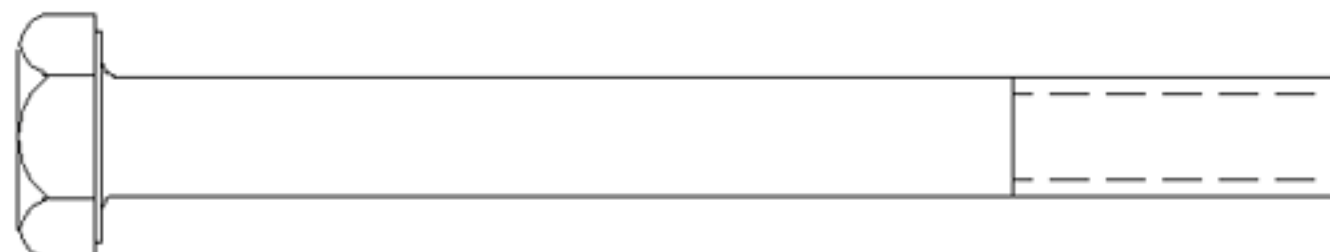
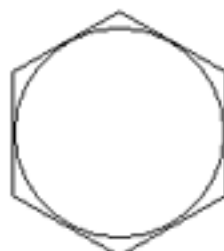
200001850  
CAP SCREW HEX HEAD M10 x 1.50 x 40mm



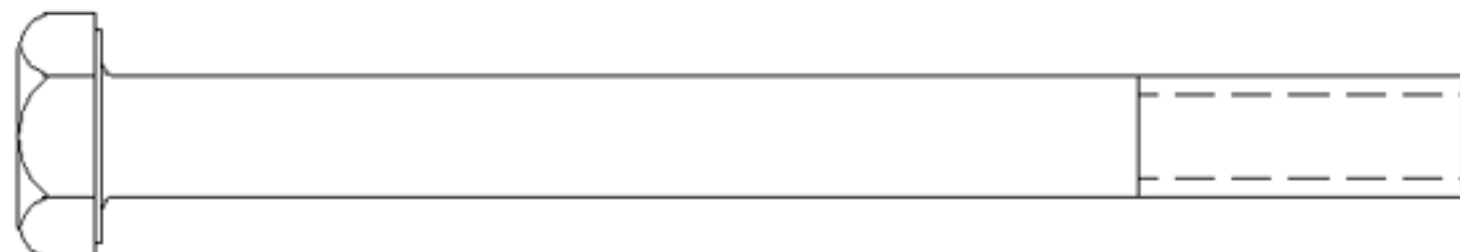
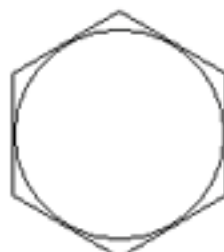
200001859  
CAP SCREW HEX HEAD M10 x 1.50 x 75mm



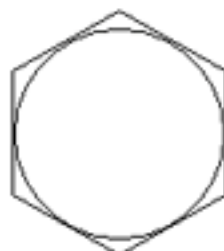
200001866  
CAP SCREW HEX HEAD M10 x 1.50 x 100mm



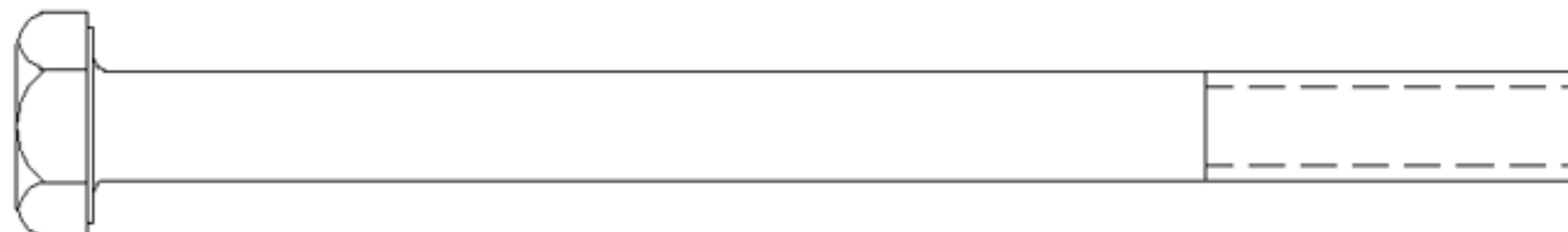
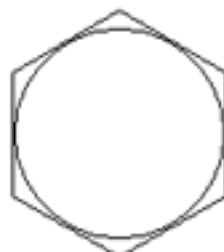
200001875  
CAP SCREW HEX HEAD M10 x 1.50 x 110mm



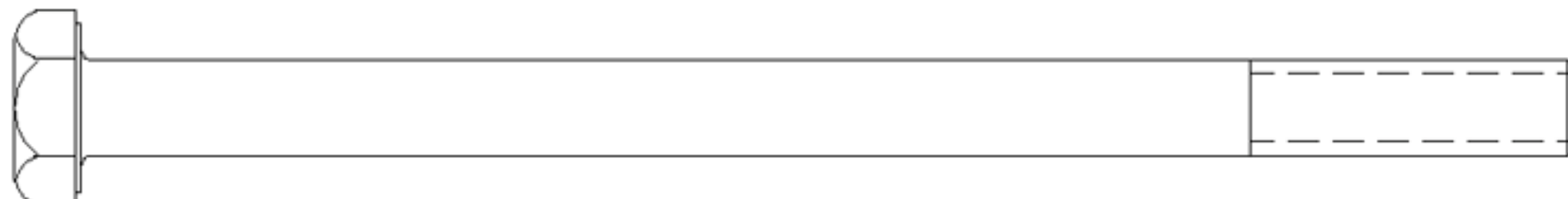
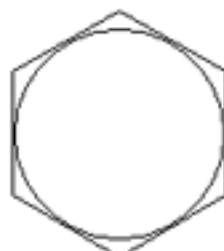
200001879  
CAP SCREW HEX HEAD M10 x 1.50 x 120mm

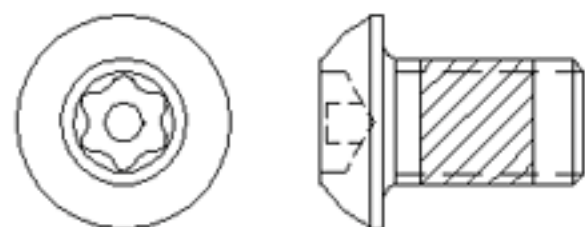


200001883  
CAP SCREW HEX HEAD M10 x 1.50 x 130mm



200000792  
CAP SCREW HEX HEAD M10 x 1.50 x 150mm

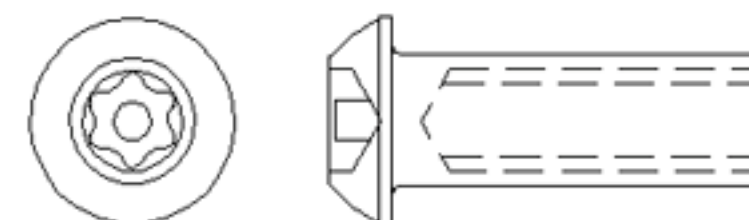




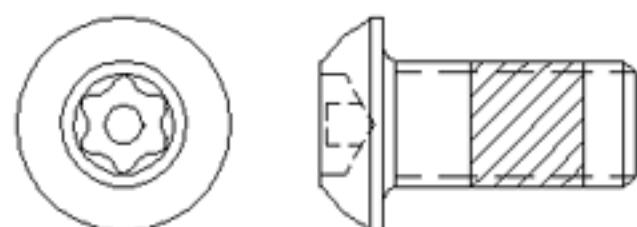
200002010  
SCREW MACH BUTTONHEAD M10 x 1.50 x 16mm



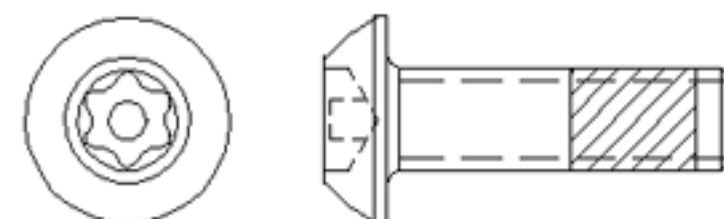
200002150  
SCREW MACH BUTTONHEAD M10 x 1.50 x 55mm



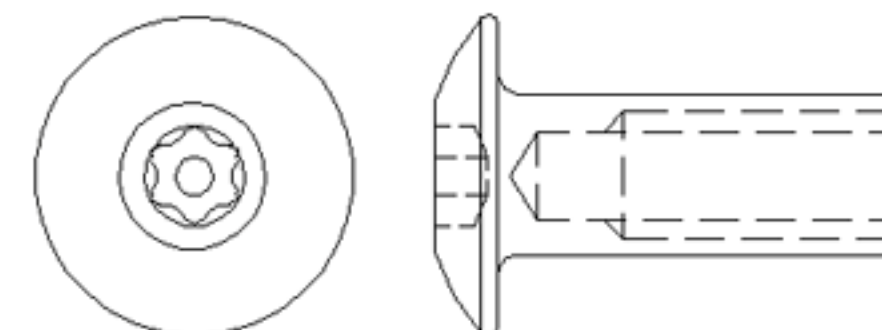
200002145  
BOLT M8 x 1.25 FEMALE 10.3 x 30mm



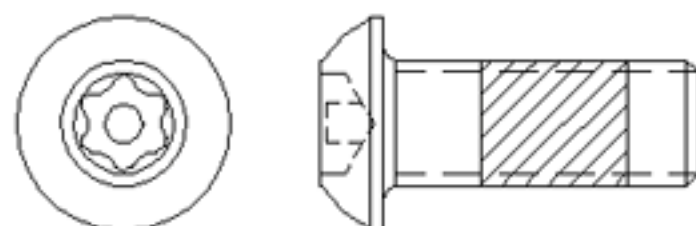
200002014  
SCREW MACH BUTTONHEAD M10 x 1.50 x 20mm



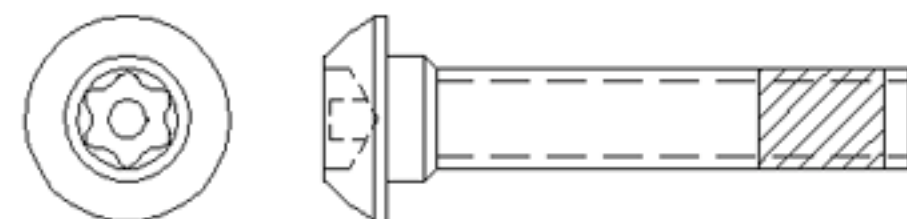
200002133  
BOLT M8 x 1.25 MALE 27.5mm



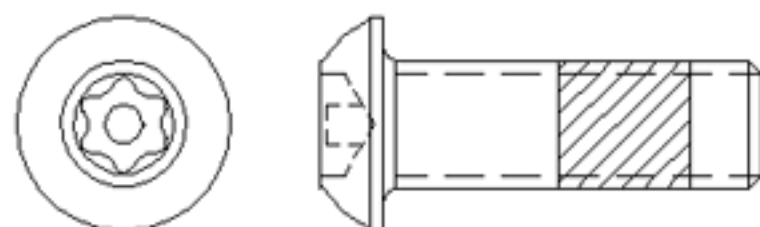
200001954  
BARREL NUT M10 X 1.50 (12.70 DIA x 32mm)



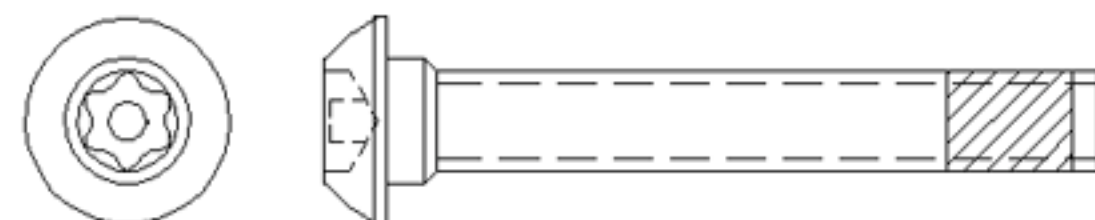
200002018  
SCREW MACH BUTTONHEAD M10 x 1.50 x 25mm



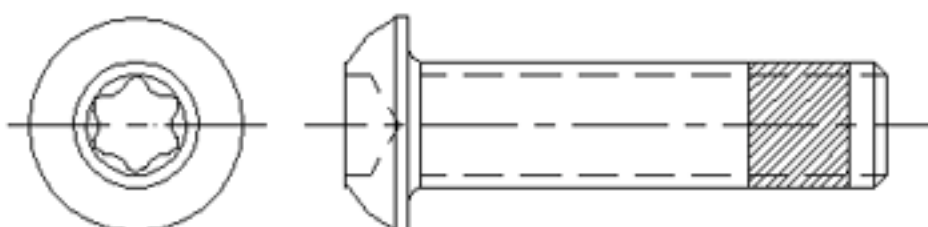
200002138  
BOLT M8 x 1.25 MALE 42.5mm



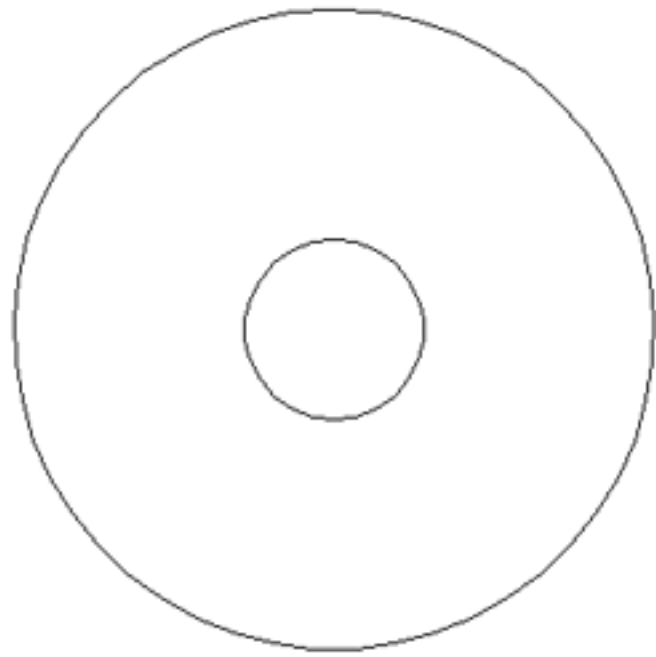
200002030  
SCREW MACH BUTTONHEAD M10 x 1.50 x 30mm



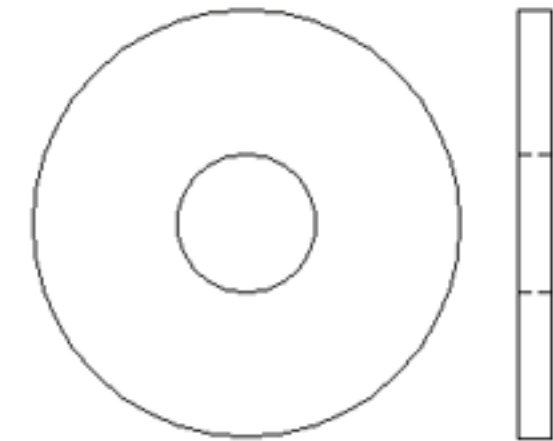
200002142  
BOLT M8 x 1.25 MALE 57.5mm



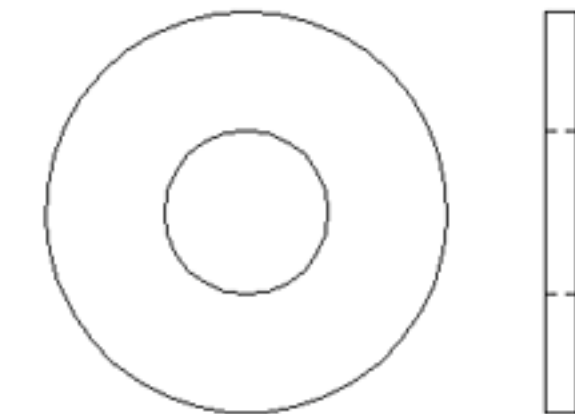
200097726  
SCREW MACH BUTTONHEAD M10 x 1.50 x 38mm



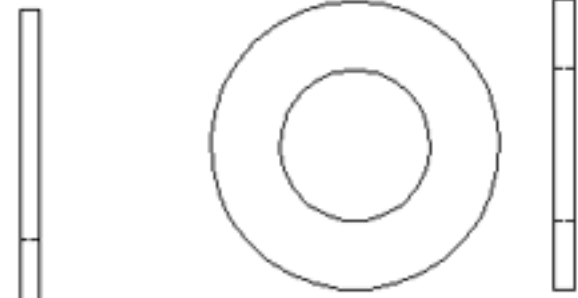
200002113  
WASHER FLAT M12 (51 x 14.5 x 2mm)



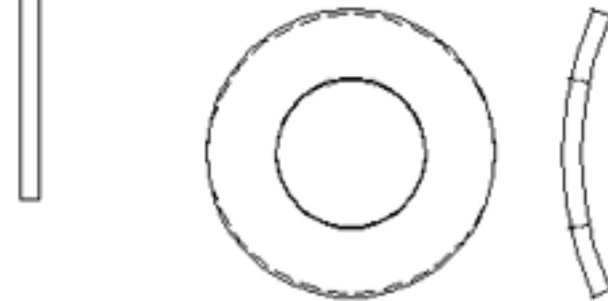
200002096  
WASHER FLAT M10 34OD x 11ID x 3 mm THK



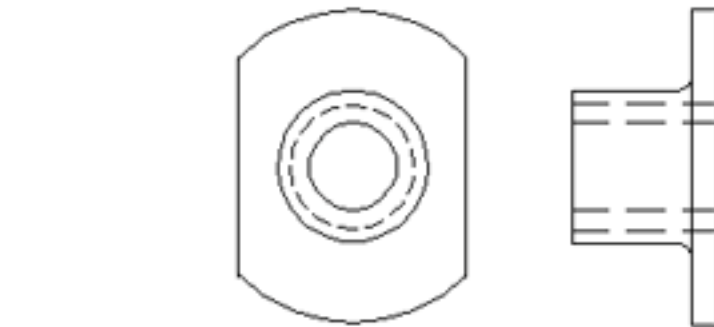
200002100  
WASHER FLAT M11 32OD x 13ID x 2 mm THK



200002079  
WASHER FLAT M11 23 x 12 X 1.6mm



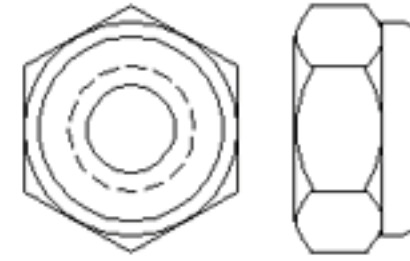
200008483  
WASHER BOWED M11 23.5 x 11.7 x 1.57 mm



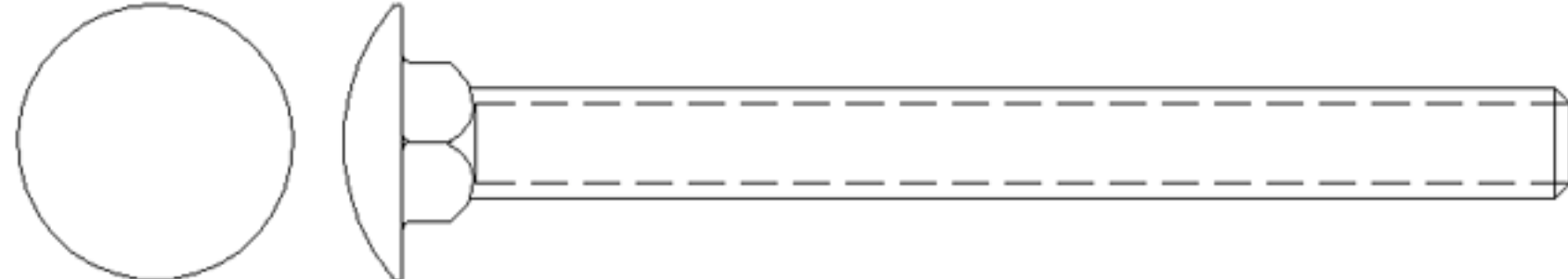
200001966  
T-NUT SLAB BASE M10 x 1.50 x 9.5mm



200001776  
ANCHOR CONCRETE WEDGE M10 x 1.5 x 100mm



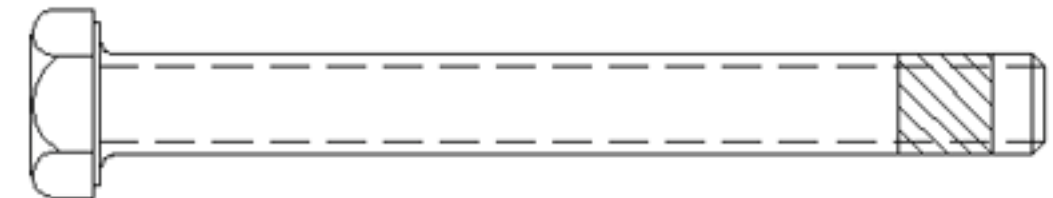
200001945  
NUT LOCK HEX NYLON INSERTED M10 x 1.5



200001810  
BOLT CARRIAGE M10 x 1.50 x 100mm



200001826  
CAP SCREW HEX HEAD M8 X 1.25 X 75mm



200001986  
SCREW U-DRIVE ROUND HEAD M5 x 16mm



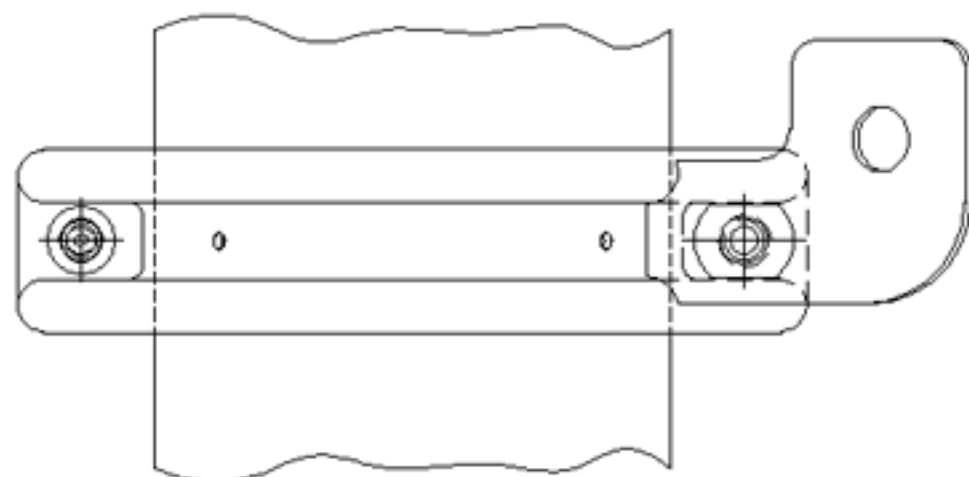
200001934  
NUT LOCK HEX NYLON INSERTED M8 x 1.25

200002002  
SCREW DRILL HEX HEAD M6 .3 x 1.81 x 65mm

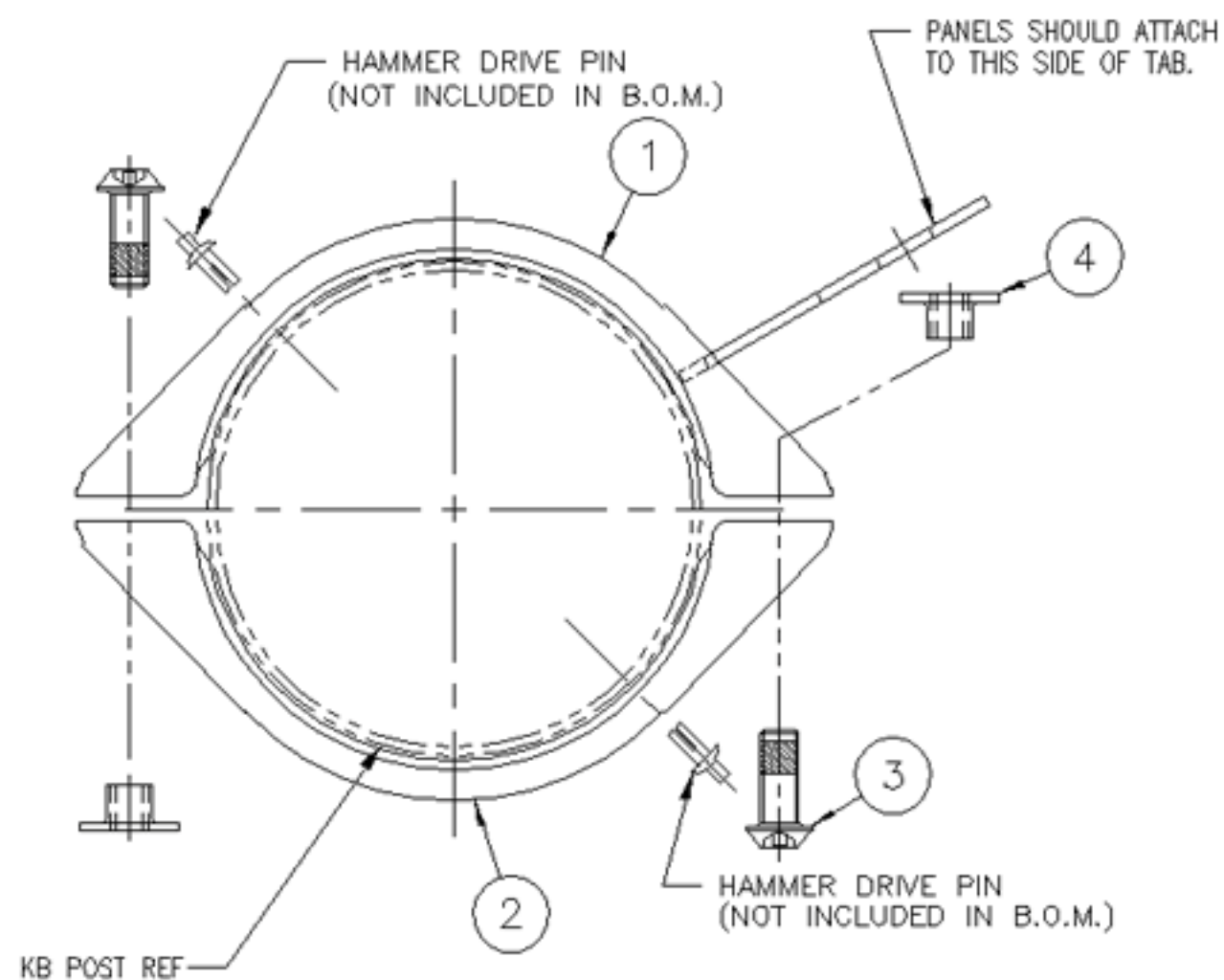




## CLAMP HI-LO TAB F/KB



**NOTE:**  
TAB WILL BE DIRECTED  
UP (AS SHOWN) ON ONE  
SIDE OF THE PANEL AND  
DOWN ON THE OTHER  
SIDE OF THE PANEL



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

KB000009A

AUTHORIZED BY:

*Raymond* 03AUG99

## CLAMP HI-LO TAB F/KB

200079200

### CLAMP HI-LO TAB F/KB

Item	Dwg Ref	Description	Qty.
1	-	CLAMP HI-LO TAB F/ KB	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2

#### Application

- FOR USE WHEN HIGH-LOW CLAMP CONFIGURATION IS NEEDED TO ATTACH PANELS.

#### Maintenance

- CHECK ALL HARDWARE
- TOUCH UP ANY MARRED PAINT SURFACE

#### Specifications

##### CLAMP

MATERIAL: STAMPED SHST  
COLOR: AS SELECTED FROM STD. COLOR RANGE.  
FINISH: ELECTROSTATICALLY APPLIED POLYESTER  
DRY POWDER COAT

##### FASTENERS

FINISH: STAINLESS STEEL

#### Installation Instructions

1. POSITION THE CLAMP HALVES AROUND THE POST AND LOOSELY CONNECT HALVES TOGETHER WITH THE HARDWARE SHOWN. CLAMPS SHOULD BE ORIENTED SO THAT PANELS WILL ATTACH TO THE TAB FACE SHOWN IN THE DETAIL.
2. MOVE THE CLAMP ASSEMBLY ALONG THE POST UNTIL IT LINES UP WITH THE LOCATION THAT IT WILL BE CONNECTED TO THE PANEL. COMPLETE THE PANEL CONNECTION AS SPECIFIED IN THE INDIVIDUAL PANEL INSTRUCTION.
3. LEVEL THE CLAMP ASSEMBLY AROUND THE POST AND TIGHTEN CLAMP HARDWARE.
4. AS A LAST STEP IN THE PLAYGROUND INSTALLATION, INSTALL HAMMER DRIVE PINS. LOCATE ONE OF THE EXISTING SMALL HOLES IN A CLAMP HALF. (EITHER HOLE CAN BE USED, USE THE MOST ACCESSIBLE.) THIS WILL BE THE DRILLING SITE FOR THE HAMMER DRIVE PIN. DRILL A 5mm (3/16") DIA. HOLE INTO THE POST. INSERT THE HAMMER DRIVE PIN INTO THE HOLE. TAP THE CENTER CORE PIN INWARD UNTIL IT IS FLUSH WITH THE OUTER PIN SURFACE. BE CAREFUL NOT TO MAR THE PAINTED SURFACES. REPEAT ON THE OTHER CLAMP HALF. HAMMER DRIVE PINS ARE SHIPPED SEPERATELY FROM CLAMP HARDWARE.

## PANEL OR WING CLAMP

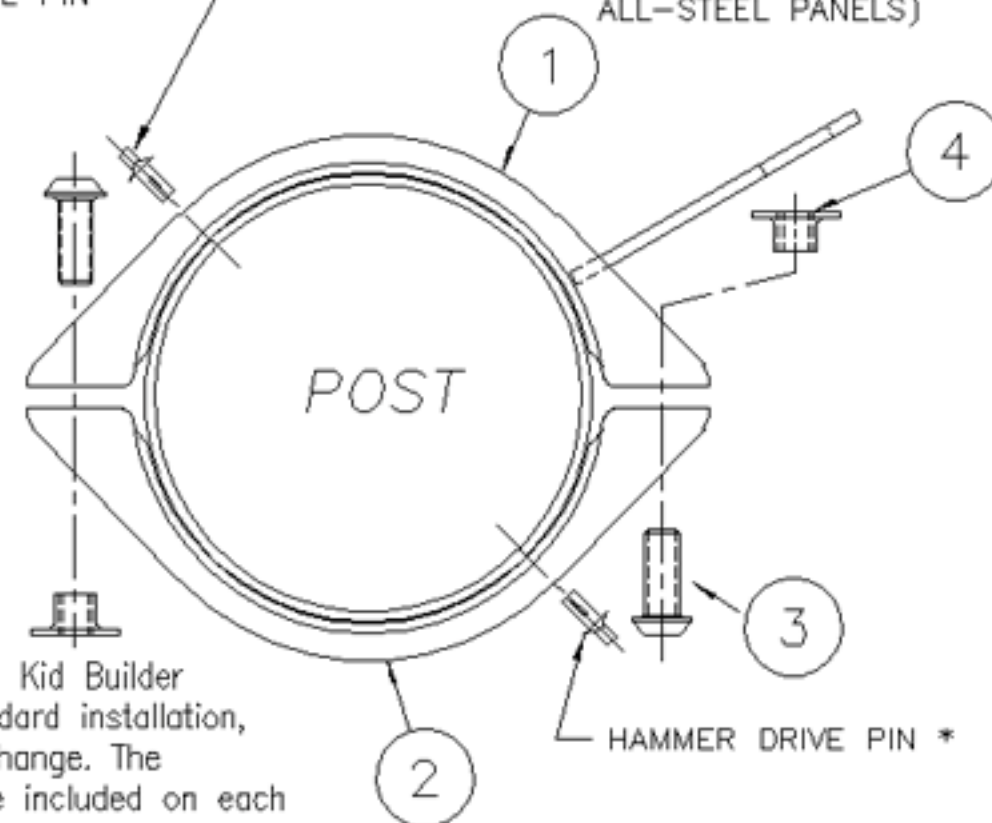
ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/TAB F/PANEL MT. ZN	1
-OR- 1	-	CLAMP HALF W/TAB F/KB WING CLAMP	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2



REF: PANEL CLAMP

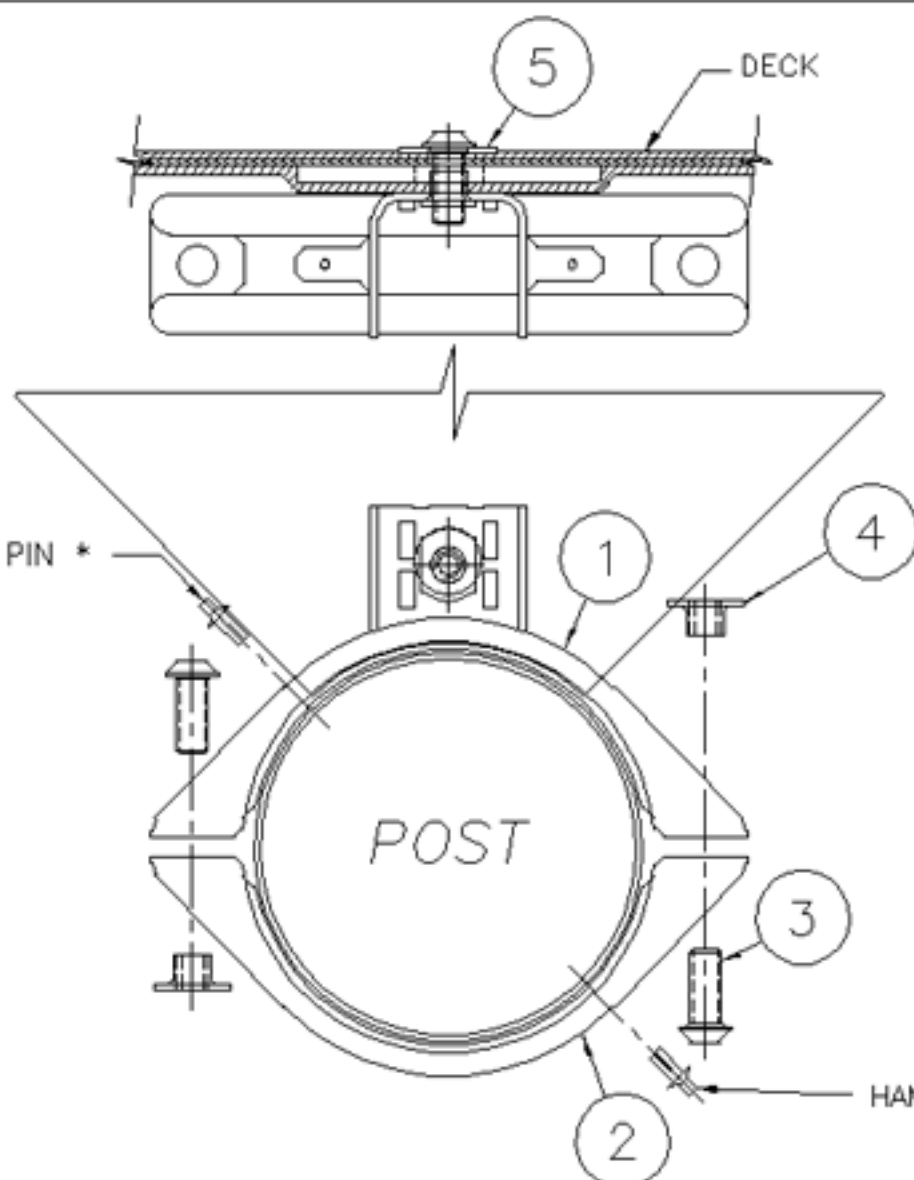

REF: WING CLAMP  
(TO BE USED ON KB PLUS  
ALL-STEEL PANELS)

HAMMER DRIVE PIN \*



## DECK CLAMP

ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/NEW DECK ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	3
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	3
5	200002100	WASHER FLAT M11 320D X 13ID X 2 MM THK	1



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change. The hardware used to attach a Panel Clamp to a panel will be included on each component page.

1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.

2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.

3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

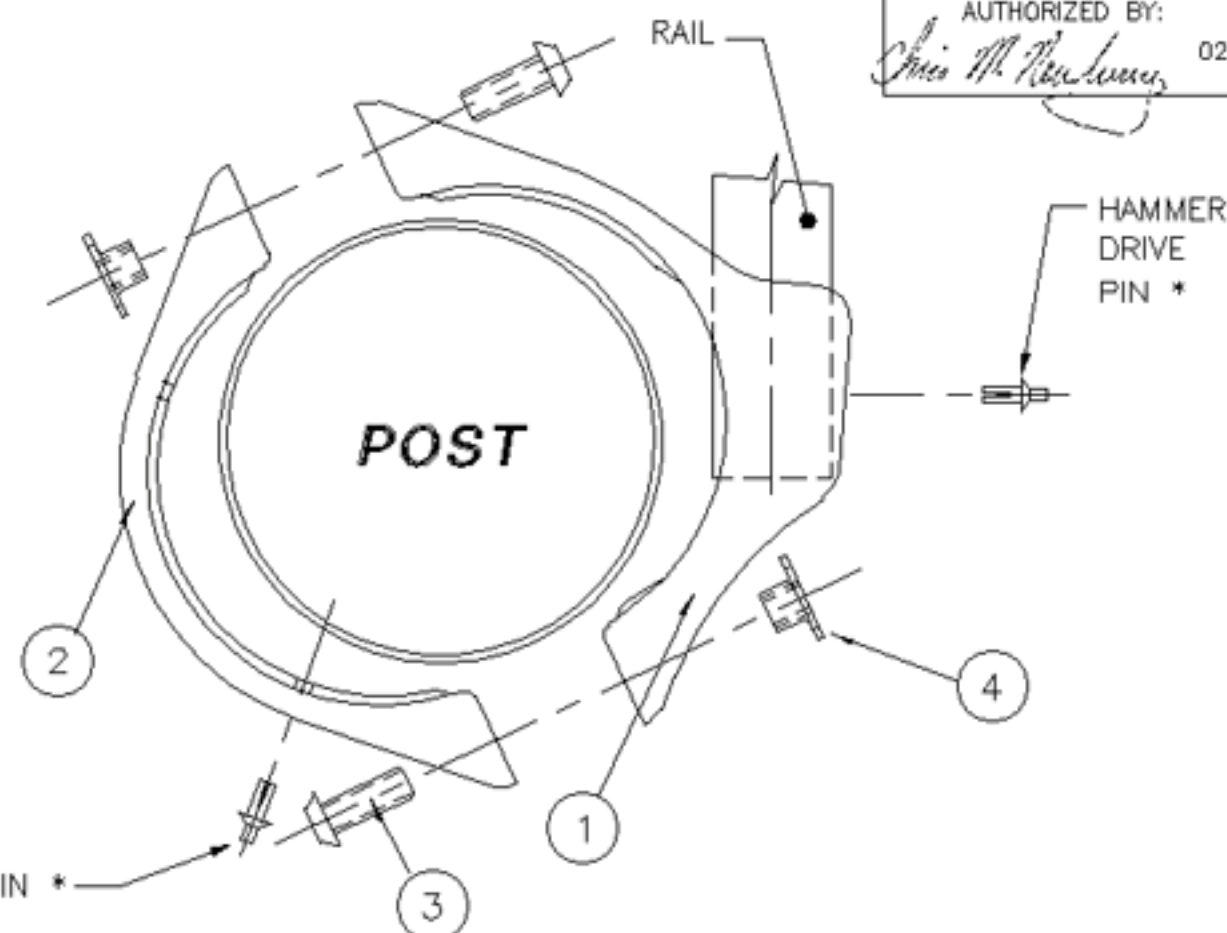
\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change.

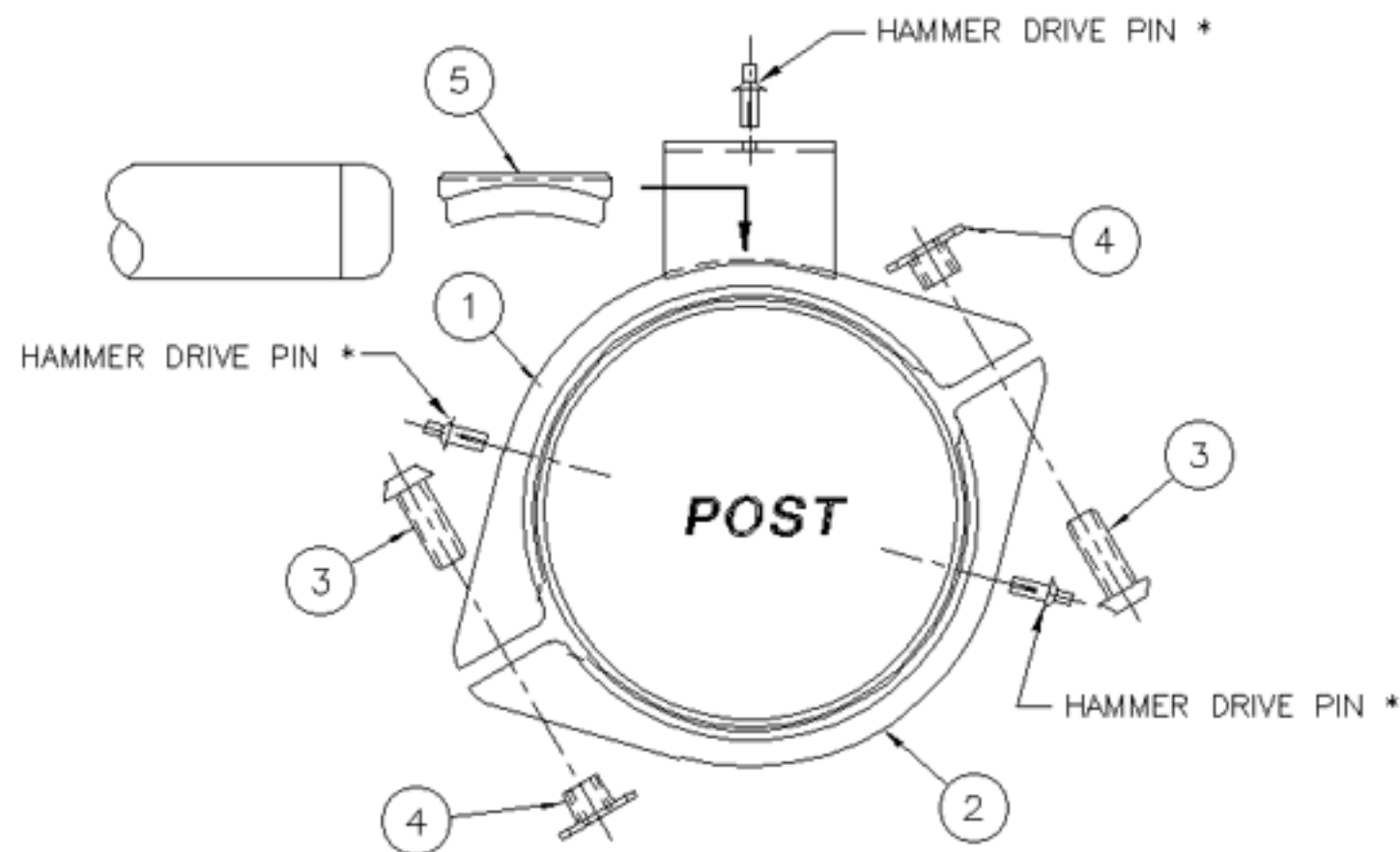
1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.
2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.
3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



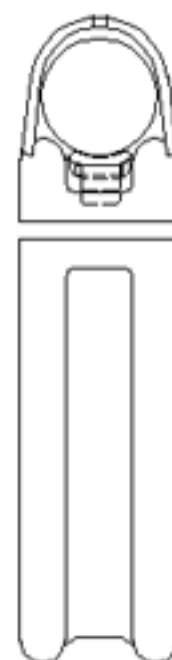
## 30 DEG. RAIL CLAMP W/ WEDGE

ITEM	DRG REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/ATT. F/RAILS ZN 30 DEG.	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25 MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5 MM	2
5	200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	1



## HOODED RAIL CLAMP

ITEM	DRG. REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/HOODED RAIL ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH. BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2



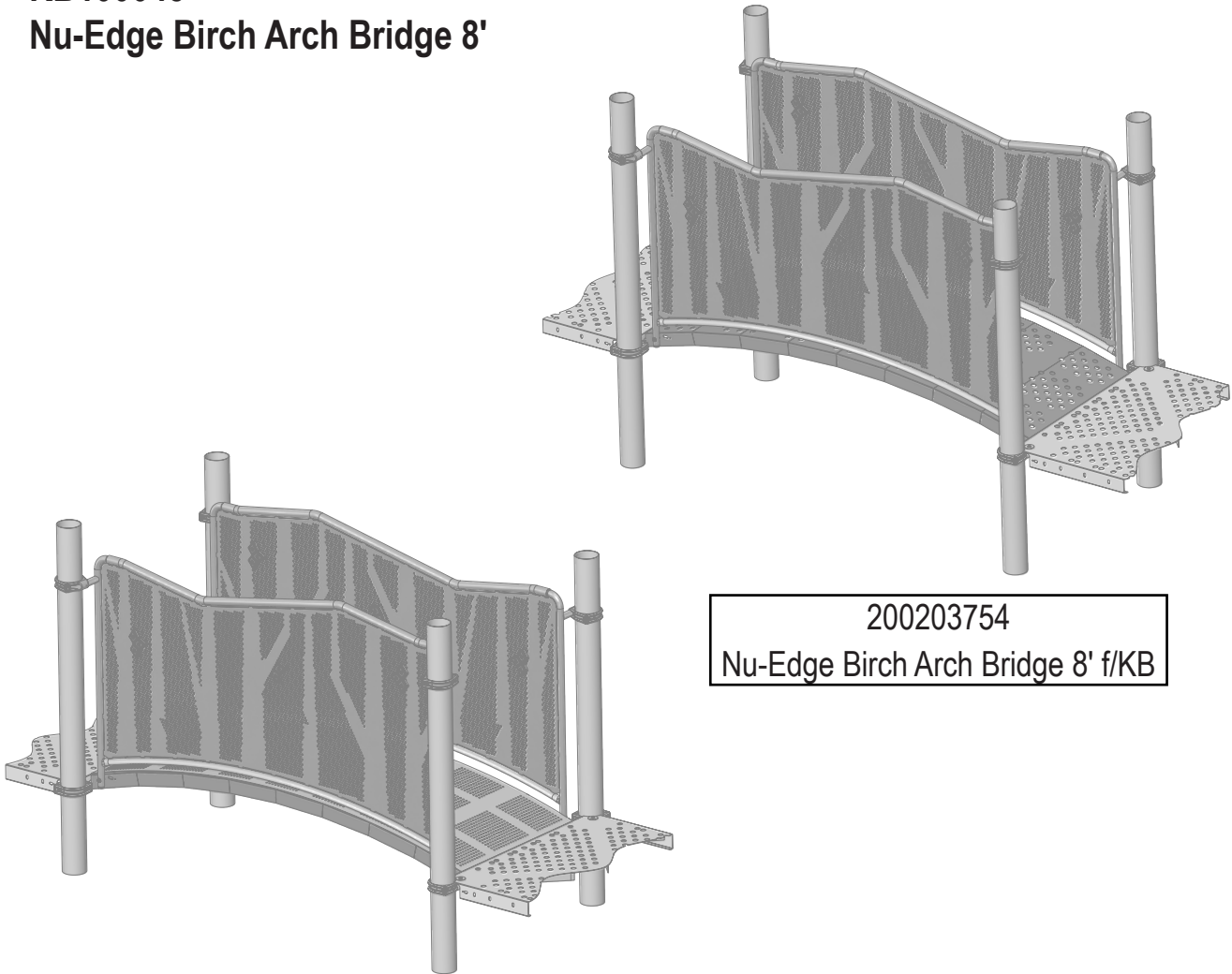
## Kid Builders™ Nu-Edge Birch Arch Bridge 8'

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

**KB100045**

**Nu-Edge Birch Arch Bridge 8'**

Nu-Edge Birch Arch Bridge 8'



200203754  
Nu-Edge Birch Arch Bridge 8' f/KB

200203755  
Nu-Edge Birch Arch Bridge 8' f/KB SM HL

MODEL	DESCRIPTION	PAGE
200203754	Nu-Edge Birch Arch Bridge 8' f/KB	2
200203755	Nu-Edge Birch Arch Bridge 8' f/KB SM HL	2

### NOTES:

Decks and posts are not included in this model. Attachment decks must be at same height.  
An (\*) by a part number (Code) indicates: Color Code Required.

KB100045

**Kid Builders™ Nu-Edge Birch Arch Bridge 8'*****NU-EDGE BIRCH ARCH BRIDGE 8' F/KB Model 200203754***

CODE	DESCRIPTION	QTY
930399*	NU-EDGE NATURE 8' KB BRIDGE WLDMNT	2
909346*	HOODED RAIL CLAMP F/KB	4
910519*	BRIDGE ARCHED 8'	1
925959	P/C WATCH YOUR HEAD SIGN ZERO LIST	1
930963*	PC F/NU-EDGE BIRCH 8FT BRIDGE KB	1

***NU-EDGE BIRCH ARCH BRIDGE 8' F/KB SM HL Model 200203755***

CODE	DESCRIPTION	QTY
930399*	NU-EDGE NATURE 8' KB BRIDGE WLDMNT	2
909346*	HOODED RAIL CLAMP F/KB	4
910520*	BRIDGE ARCHED 8' (SMALL HOLE)	1
925959	P/C WATCH YOUR HEAD SIGN ZERO LIST	1
930963*	PC F/NU-EDGE BIRCH 8FT BRIDGE KB	1

*The parts and hardware shown below are used on both models.*

***HOODED RAIL CLAMP F/KB 909346\****

CODE	DESCRIPTION	QTY
200002486	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
200002494	CLAMP HALF W/HOODED RAIL ATTACHMENT ZN	1

***P/C WATCH YOUR HEAD SIGN ZERO LIST 925959***

CODE	DESCRIPTION	QTY
AMC0954	SIGN - CAUTION WATCH YOUR HEAD	2
200126822	RIVET POP ALUM. 1/8 X 1/4 PRADA44D	4



# Kid Builders™ Nu-Edge Birch Arch Bridge 8'

The parts and hardware shown below are used on both models.

PC F/NU-EDGE BIRCH 8FT BRIDGE KB 930963*		
CODE	DESCRIPTION	QTY
930719*	NU-EDGE NATURE 2 LEAF	4
930168*	NU-EDGE NATURE 3 LEAF	8
HW203753-1	HRDW PKG NU-EDGE BIRCH 930719 S1/2	2
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	4
HW7692-1	HRDW PKG KB RMPS/BRDGS M1/1	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	2
HRDW PKG NU-EDGE BIRCH 930719 S1/2 HW203753-1		
CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	2
304273	BOLT M8 X 1.25 MALE 25MM	2
HRDW PKG NU-EDGE BIRCH 930168 S1/1 HW203752-1		
CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	3
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	3
HRDW PKG KB RMPS/BRDGS M1/ HW7692-1		
CODE	DESCRIPTION	QTY
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	16
200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	12
925963	WASHER 3/8 FLAT 1-1/8 X 7/16 X 3/32	28
200002150	SCREW MACH BUTTONHEAD M10 X 1.50 X 55 MM	4
200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	4
HRDW PKG F/2SETS O/CLAMPS S1/1 HW2CLMPSET-1		
CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

Nu-Edge Birch Arch Bridge 8'

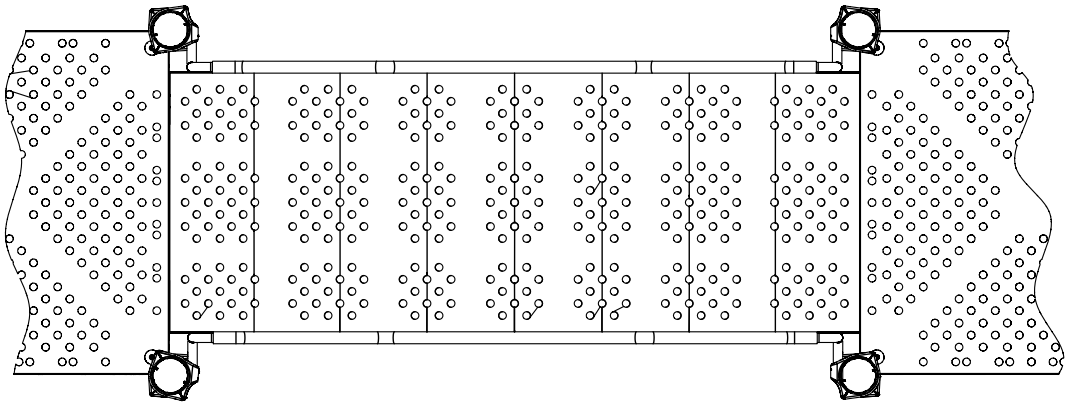
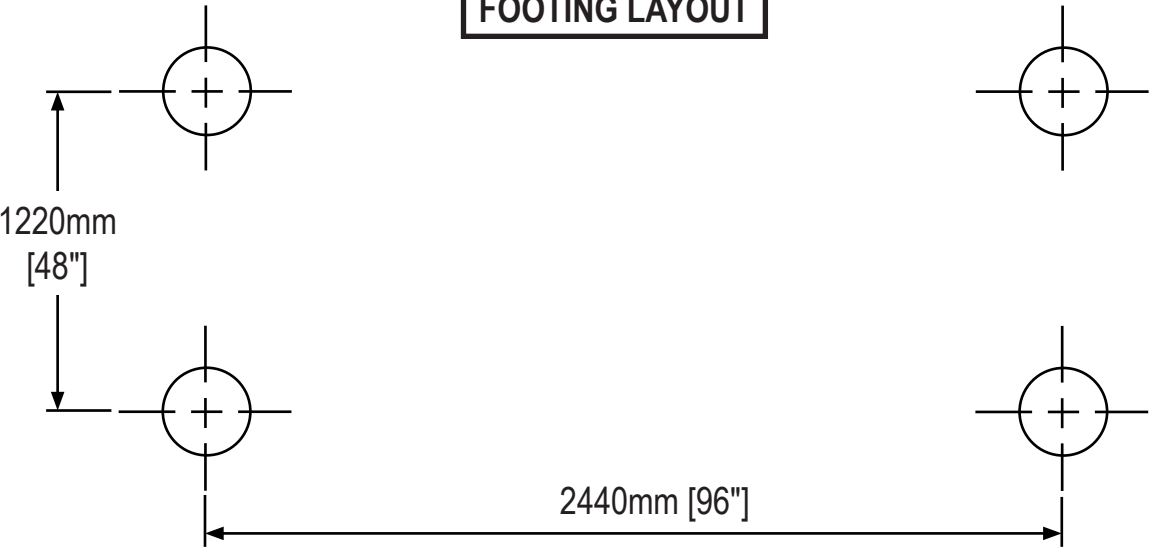
KB100045

Nu-Edge Birch Arch Bridge 8'

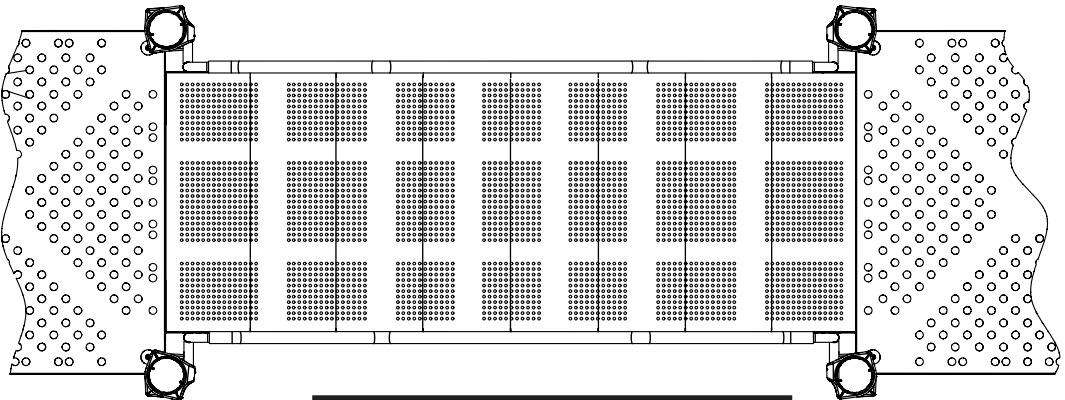
KB100045

Kid Builders™ Nu-Edge Birch Arch Bridge 8'

FOOTING LAYOUT

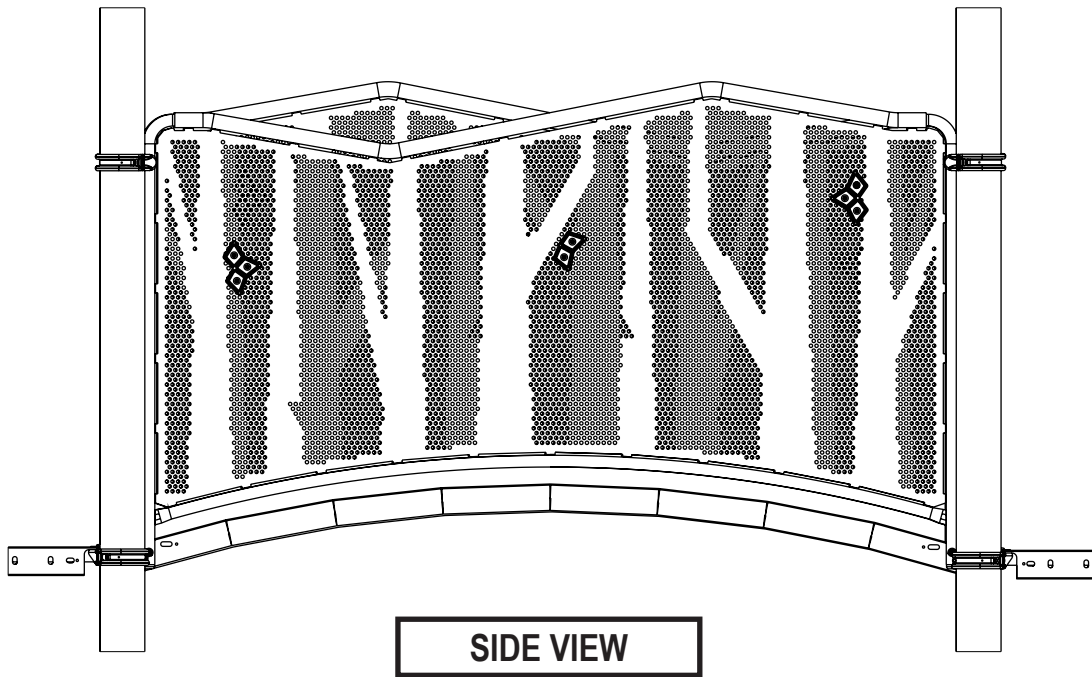


TOP VIEW - MODEL 200203754



TOP VIEW - MODEL 200203755

# Kid Builders™ Nu-Edge Birch Arch Bridge 8'

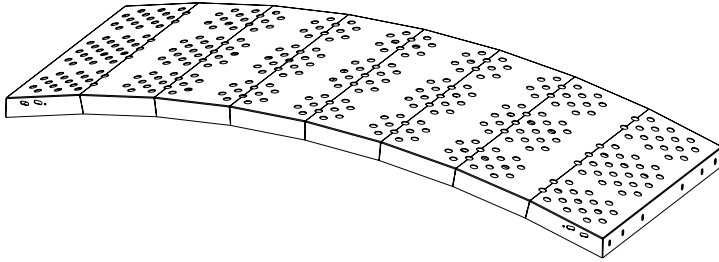


Nu-Edge Birch Arch Bridge 8'

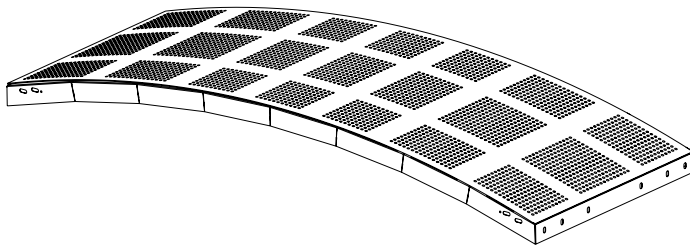
KB100045

# Kid Builders™ Nu-Edge Birch Arch Bridge 8'

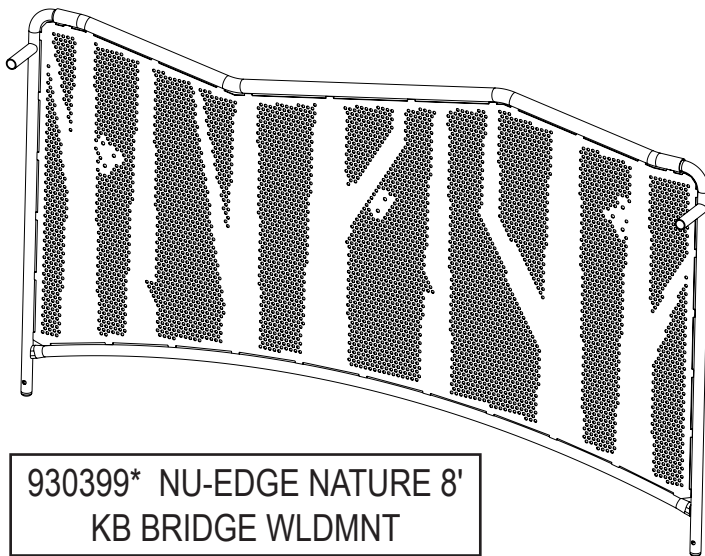
## PARTS IDENTIFICATION



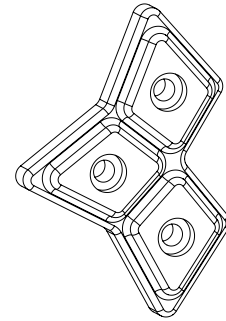
910519\* BRIDGE  
ARCHED 8'



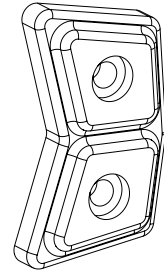
910520\* BRIDGE ARCHED  
8' (SMALL HOLE)



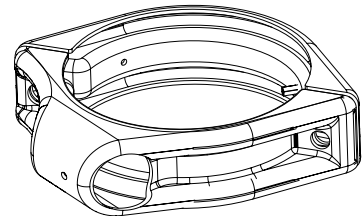
930399\* NU-EDGE NATURE 8'  
KB BRIDGE WLDMNT



930168\* NU-EDGE NATURE 3  
LEAF



930719\* NU-EDGE  
NATURE 2 LEAF



909346\* HOODED RAIL  
CLAMP F/KB



925959 P/C WATCH YOUR  
HEAD SIGN ZERO LIST

## Kid Builders™ Nu-Edge Birch Arch Bridge 8'

### STEP 1 INSTALL DECK AND POST SYSTEM

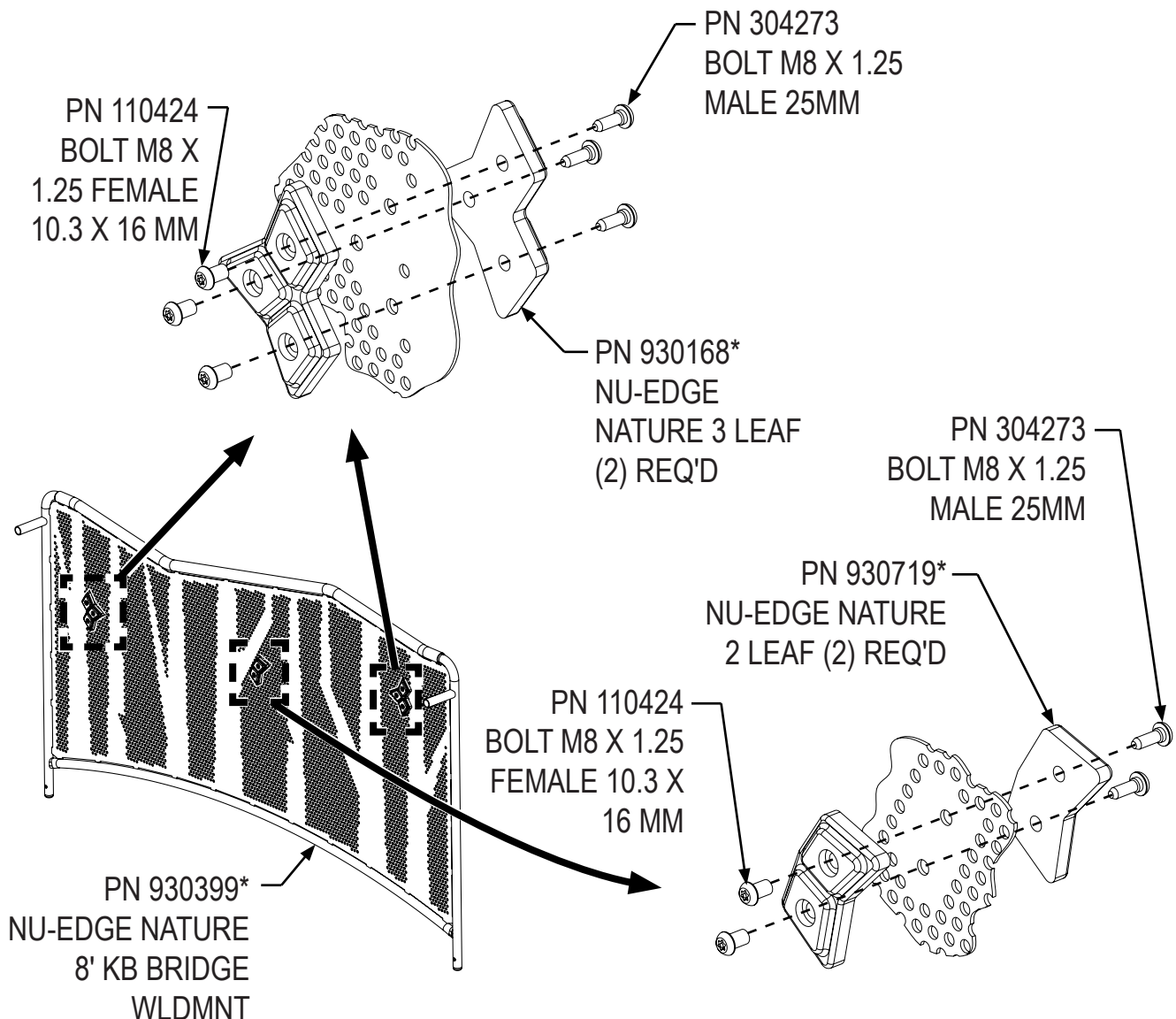
1a. Refer to Footing Layout and Construction Drawings for surface mount and in-ground

Install deck and post system per separate instructions. Plumb, level and brace in position.

**NOTE:** Do not pour concrete or permanently secure clamps to posts with hammer drive pins until components illustrated in this installation guide have been installed per instructions and braced in position, level and plumb.

### STEP 2 PRE-ASSEMBLE LEAVES ON PANELS

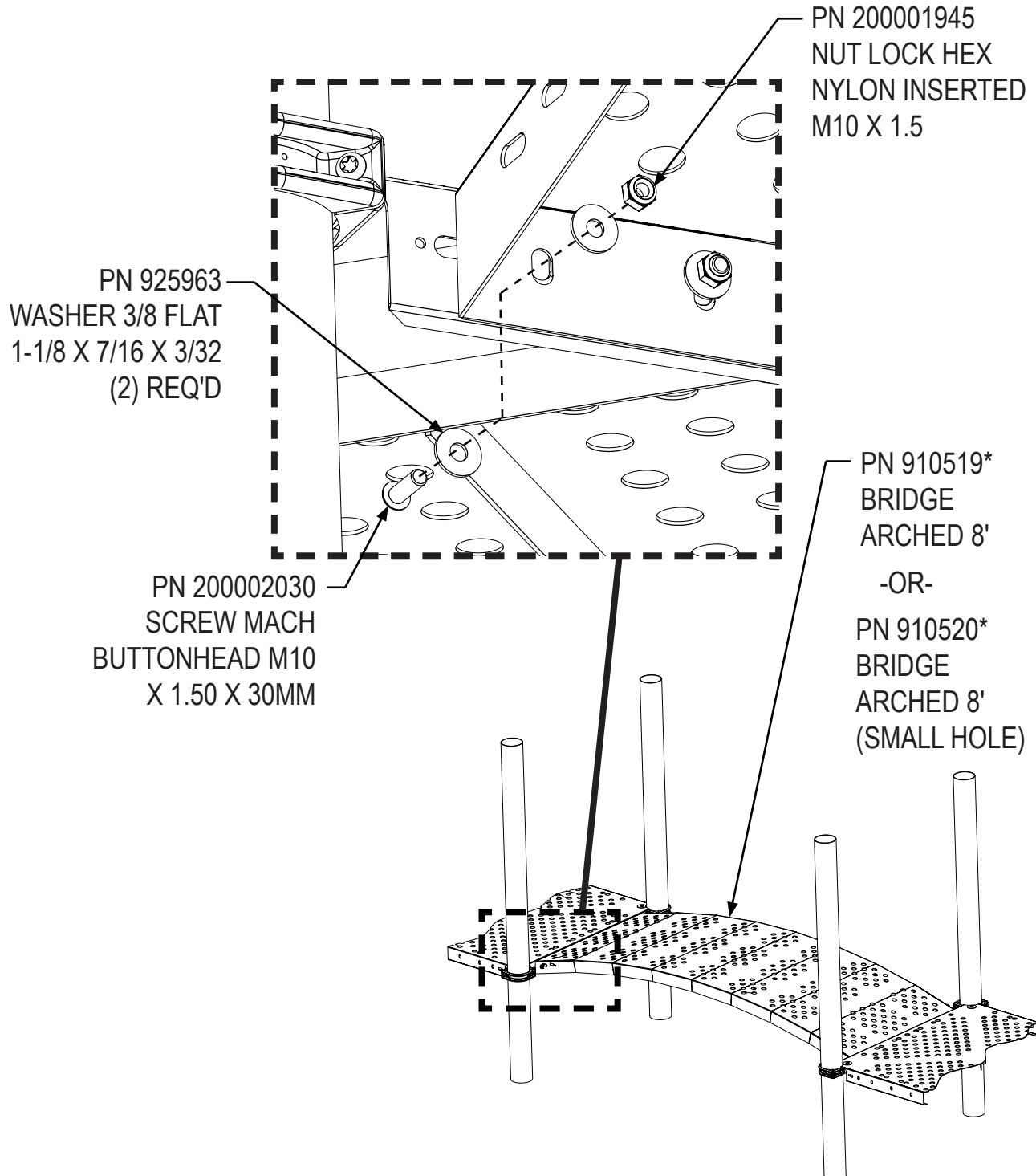
2a. Attach the leaves on both sides of the panels with hardware as shown below. Install with



# Kid Builders™ Nu-Edge Birch Arch Bridge 8'

## STEP 3 INSTALL ARCH BRIDGE

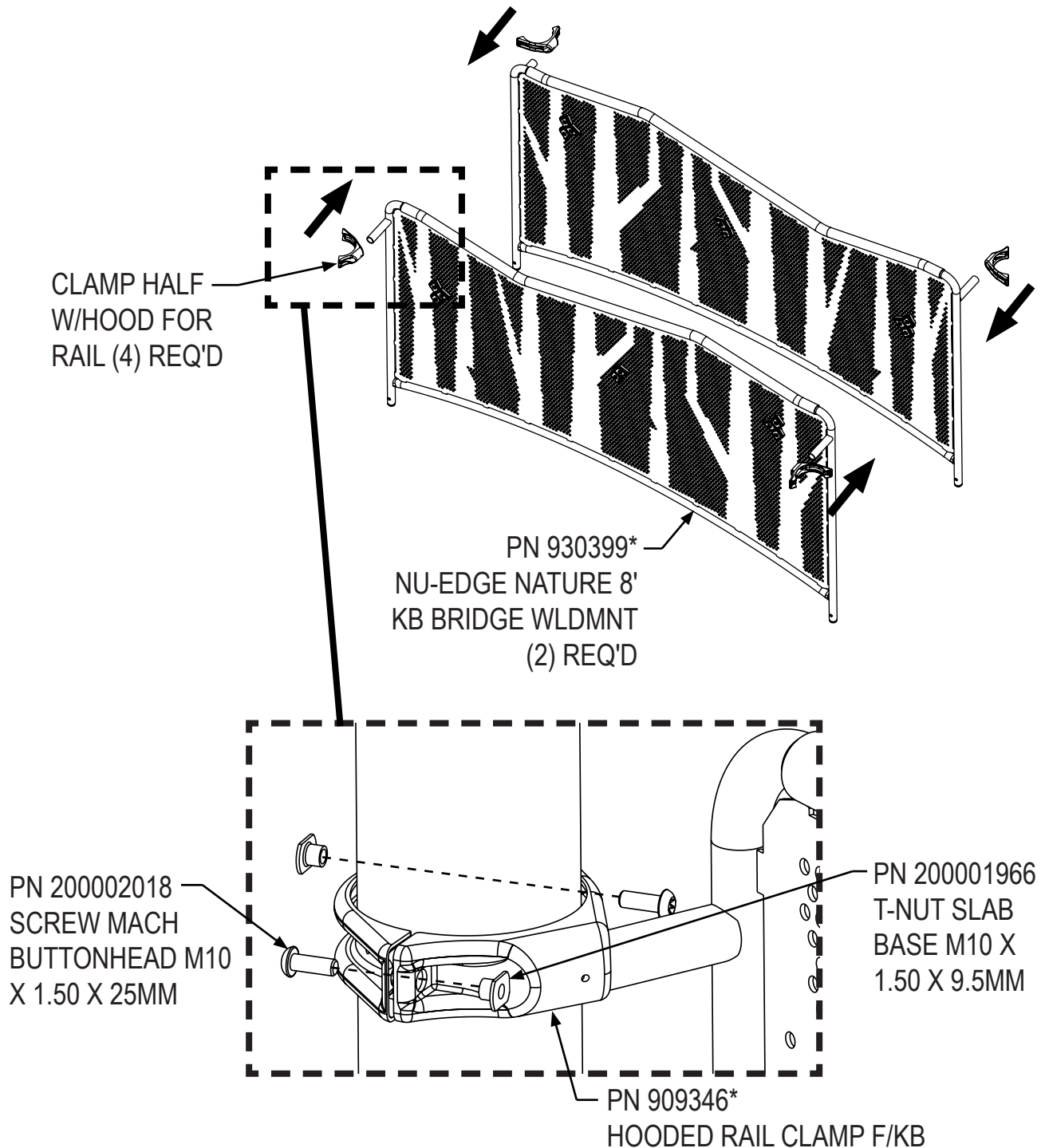
3a. Place bridge between decks and loosely attach each end of bridge to the deck in six places on each end. PN 910519\* and PN 910520\* bridges attach in the same way.



## Kid Builders™ Nu-Edge Birch Arch Bridge 8'

### STEP 4 ATTACH PANEL WELDMENTS TO POSTS

4a. Slide the four hooded rail clamp halves onto the short stub rails on the panel weldments as shown below. Loosely attach clamps to the posts - see clamp details in installation manual. Do not install clamp hammer drive pins yet. Panel weldments are shown in installed position.

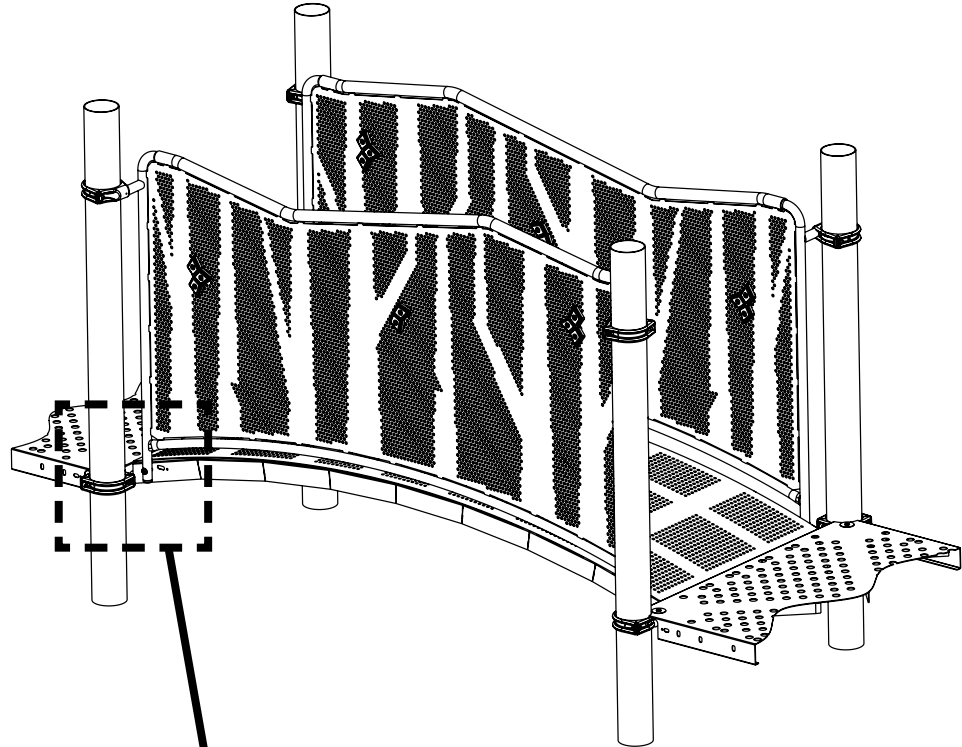




# Kid Builders™ Nu-Edge Birch Arch Bridge 8'

## STEP 5 ATTACH PANEL WELDMENTS TO BRIDGE

5a. Position the panel weldments at the proper height and loosely attach to the side of the bridge in four places as shown below. Panel weldments attach to the PN 910519\* and PN 910520\* bridges in the same way.



PN 200008483  
WASHER BOWED  
M11 23.5 X 11.7 X  
1.57 MM

PN 200002150  
SCREW MACH  
BUTTONHEAD M10  
X 1.5 X 55 MM

PN 925963  
WASHER 3/8  
FLAT 1-1/8 X 7/16  
X 3/32

PN 200001945  
NUT LOCK  
HEX NYLON  
INSERTED M10  
X 1.5



## Kid Builders™ Nu-Edge Birch Arch Bridge 8'

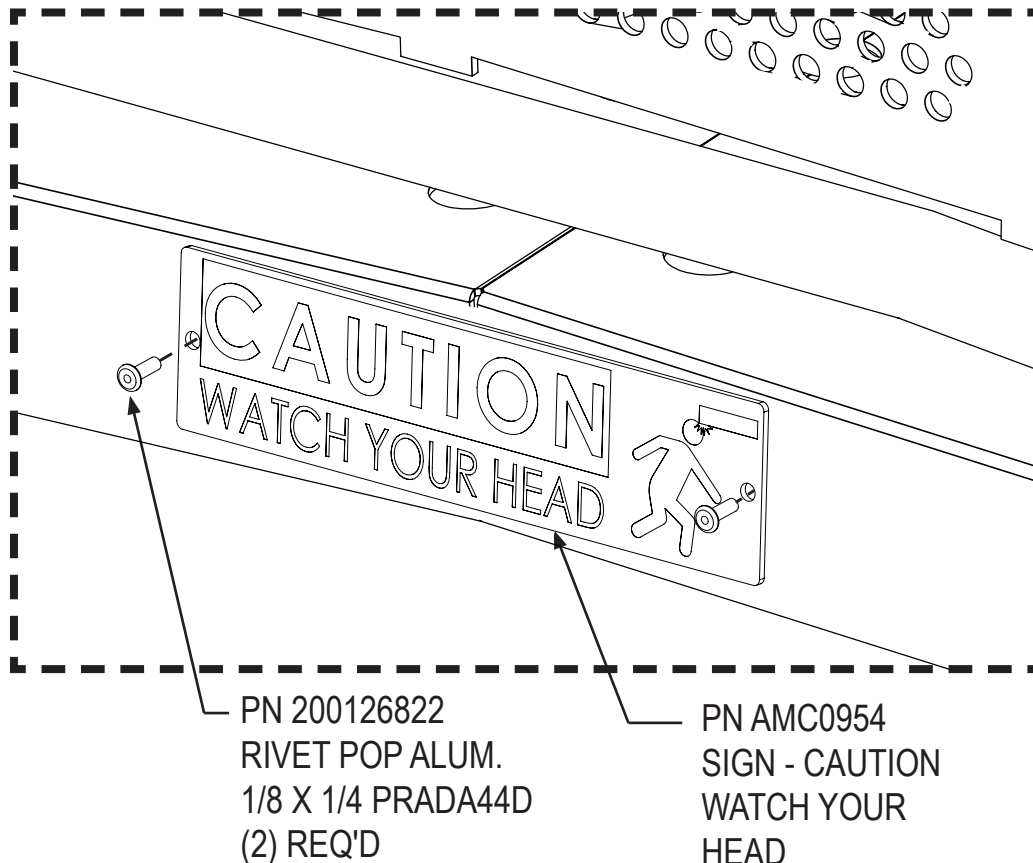
### STEP 6 INSTALL TWO CAUTION SIGNS ON BRIDGE

6a. Two caution signs will be installed on the long sides of the bridge.

Locate the most likely path for a user to take underneath the bridge and position the sign perpendicular to this path. Make sure the location is readily visible.

Use the sign as a template to mark where to drill the two holes on both sides of the bridge. Drill the two holes using a 1/8" bit. Install the sign using the two pop rivets included with the sign.

*Repeat on the other side of the bridge.*



## Kid Builders™ Nu-Edge Birch Arch Bridge 8'

### **STEP 7** COMPLETE ASSEMBLY

7a. Level and plumb assembly, tighten all hardware, and install clamp drive pins.

### **FINAL STEP**

Proceed with *Final Assembly* installation.



## SPINFINITY – STANDING VERSION

200160544  
KB900022G-S1  
Sheet 1 of 6

### SPINFINITY STANDING VERSION 200203394

Item	Code	Description	Surf. Mt. Qty.	Ing. Qty.
1	-	STANDING SPINFINITY FRAME	1	1
2	-	SUPP TOP CNTR STANDING SPINFINITY	1	1
3	-	STANDING PLATFORM F/SPINFINITY	1	1
4	200157814	BEARING SELF ALIGN FLNG MT F/SPINFINITY	1	1
5	200182723	SHAFT TOP 60.3 F/SITTING SPINFINITY SUPP	1	1
6	200157849	CAP W/HOLE F/SPINFINITY	1	1
7	-	ASSY LOWER SURF. MT. F/SPINFINITY	1	1
8	-	EXTENSION INGROUND F/SPINFINITY	0	1
9	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4	0

### HDWR BAG F/STANDING SPINFINITY 908816

Item	Code	Description	Surf. Mt. Qty.	Ing. Qty.
10	200058373	GASKET F/PB PLATE (LARGE)	2	2
11	200196292	DOORKNOB FOR NRG CONNECTOR UNP	2	2
12	200196290	NRG CAST CONNECTOR BASE & COVER ALUM	2	2
13	200142930	ROD THREADED M8 X 100 MM-PARTS ROOM	4	4

### HDWR BAG F/STANDING SPINFINITY HWS908816-1

Item	Code	Description	Surf. Mt. Qty.	Ing. Qty.
14	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25 MM	3	3
15	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30 MM	8	8
16	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	10	10
17	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	10	10
18	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	11	11
19	200002006	SCREW MACH BUTTONHEAD M10 X 1.50 X 16 MM	3	3
20	200002079	WASHER FLAT M11 23 X 12 X 1.6 MM	19	19
21	200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38 MM	2	2
22	200002142	BOLT M8 X 1.25 MALE 57.5 MM	2	2
23	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5 MM	6	6
24	200001846	CAP SCREW HEX HEAD M10 X 1.50 X 35 MM	4	4

### Installation Instructions

**NOTE:** DO NOT REMOVE ANY PACKING MATERIAL FROM THE LOWER ASSEMBLY (ITEM 7) UNTIL INSTALLATION IS COMPLETE

1. Prepare footings.

2. Put gasket (item 10) on the Connector Base (item 12) as shown in DETAIL 1. Using the two holes in the Connector Base as a template, drill two  $\varnothing 11\text{mm}$  [7/16"] holes through the gasket to allow hardware installation.

3. Attach Doorknob (item 11) to each end of Top Support (item 2) as shown in DETAIL 2.

4. Drill two  $\varnothing 13\text{mm}$  [1/2"] holes for Connector Base through each post at the height above the finished playground surface as shown on SIDE VIEW on sheet 3. Use the Connector Base as a template to mark the position of the holes in the center of the post and at the height specified.

5. Attach Connector Base (with gasket) on the posts as shown in DETAIL 3. Be sure to have both castings facing the same direction so you can slide the top support into place from one direction.

6. Attach bearing (item 4) to top side of the welded on plate of the Top Support (item 2) seen in DETAILS 4 & 5.

7. Attach Top Support to the posts by placing the Doorknob (item 11) in socket of Connector Base (item 12) and install Connector Cover (item 12) using hardware as shown in DETAIL 6.

8. Attach the top shaft (item 5) to the standing frame (item 1) as shown in DETAIL 4.

AUTHORIZED BY:  
TRACY ARCHER 25JULY2015

**BEFORE PROCEEDING:** PLEASE NOTE, IT IS IMPORTANT NOT TO TILT THE BEARING ON THE LOWER ASSEMBLY. TILTING THE BEARING MORE THAN 3 DEGREES FROM THE SHAFT ON WHICH IT IS ASSEMBLED COULD RESULT IN DAMAGING THE BEARING AND/OR BEARING SEALS.

9. For inground installation, place the inground extension (item 8) in the footing hole and then attach to the lower assembly (item 7) as shown in DETAIL 7.

For surface mount installation, position the lower assembly (item 7) in the approximate final location as shown on SHEET 3 (on the left).

10. Carefully lift the standing frame (item 1) and insert the top shaft (item 5) through the bearing (item 4) as shown in DETAIL 4.

11. Position the lower plate of the standing frame on top of the lower assembly as shown in DETAIL 9. Place the Standing Platform (item 3), with the smooth side up, on top of the lower plate and align the 7 holes with the corresponding holes in the frame and lower assembly. Install hardware as shown in DETAIL 9.

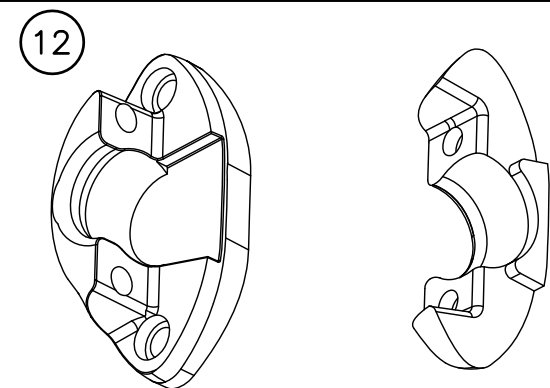
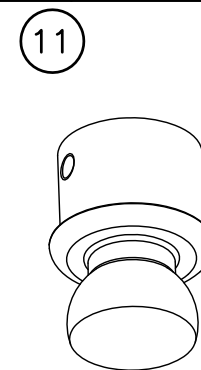
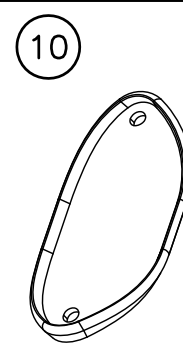
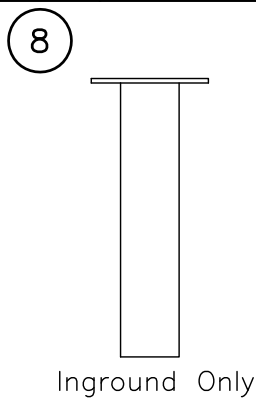
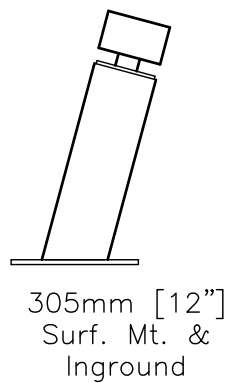
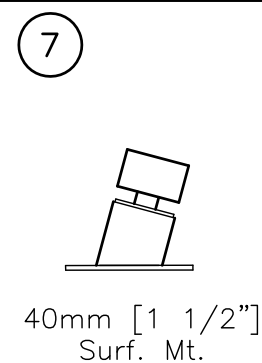
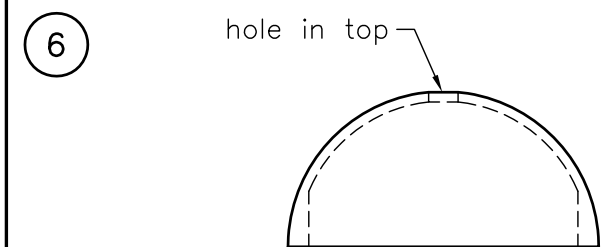
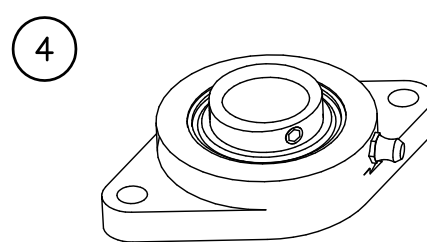
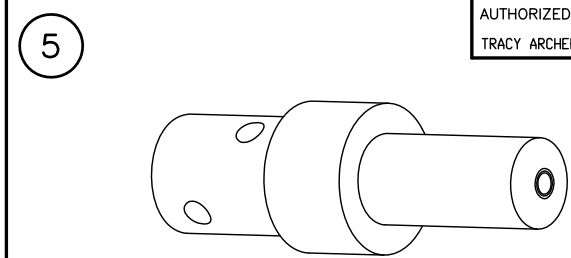
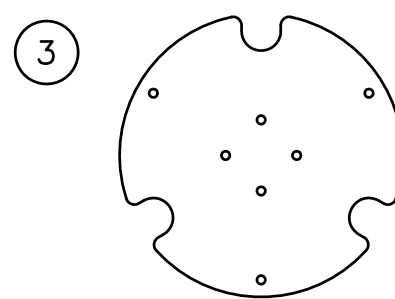
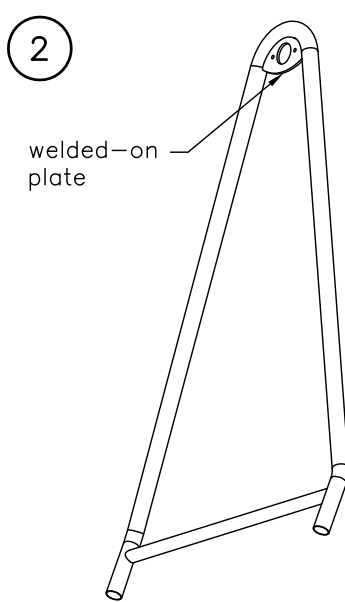
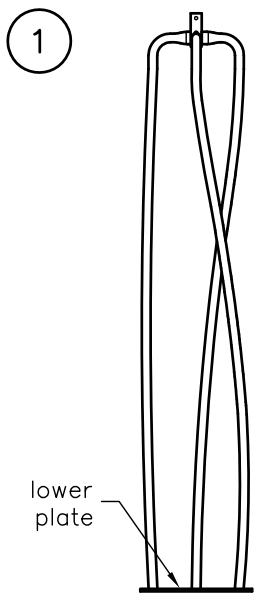
12. Tighten set screws in the self-aligning bearing to lock in the top shaft as shown in DETAIL 4.

13. For surface mount installation, position the lower assembly in the correct location as shown on SHEET 3, before drilling and installing concrete anchors (item 9) as shown in DETAIL 8.

**FAILURE TO LOCATE COMPONENTS CORRECTLY MAY IMPACT PRODUCT WARRANTY !!!**

14. Install the cap (item 6) on the top shaft as shown in DETAIL 4.

15. Tighten all hardware. Complete footings and install resilient surfacing.



## Application

–Age Groups: 5 – 12 Years  
–Close adult supervision is recommended for all ages.

## Maintenance

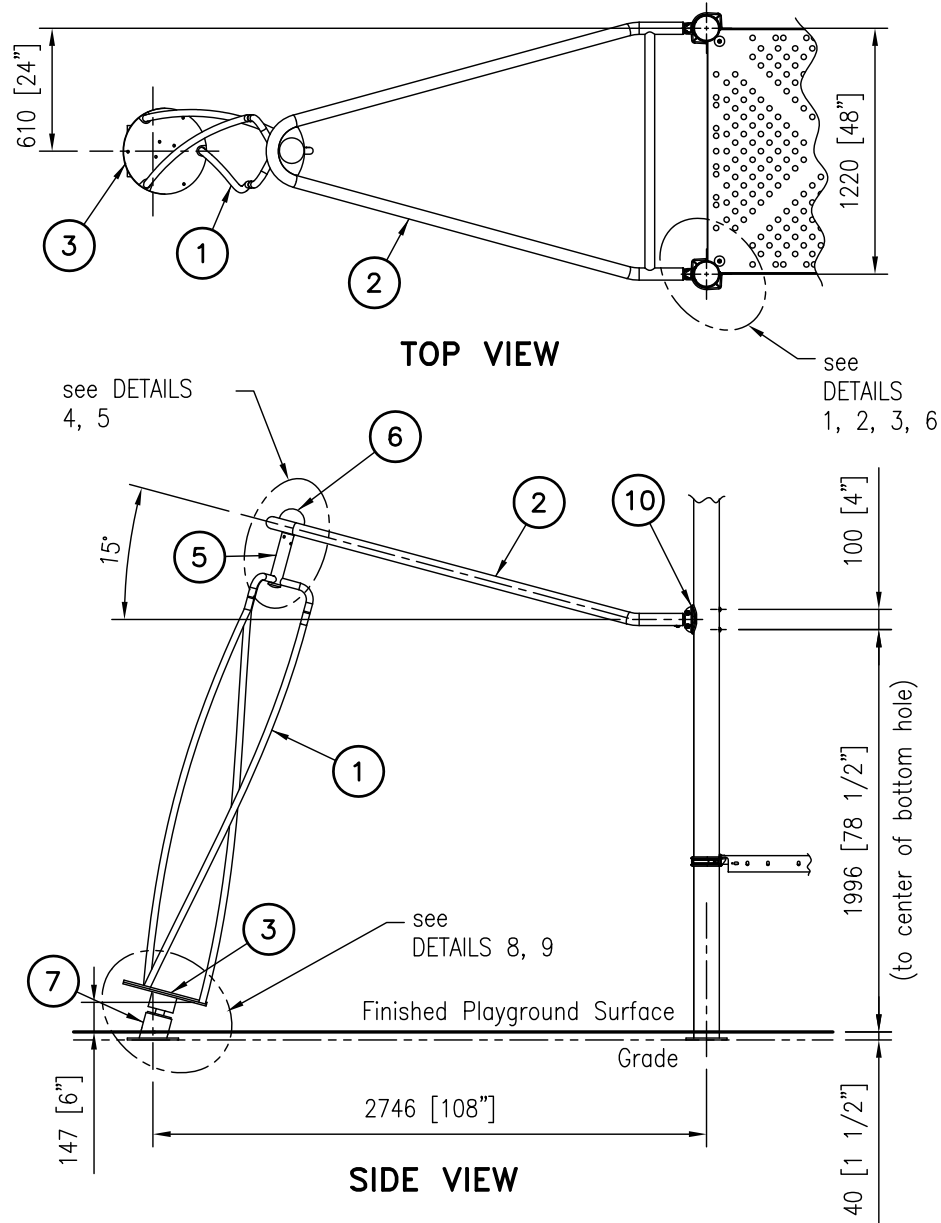
*All fasteners should be inspected and re-tightened if necessary 1 week after installation.*

*On going maintenance intervals will vary according to the amount of use the equipment receives.*

*Recommended inspection interval every 3 months.*

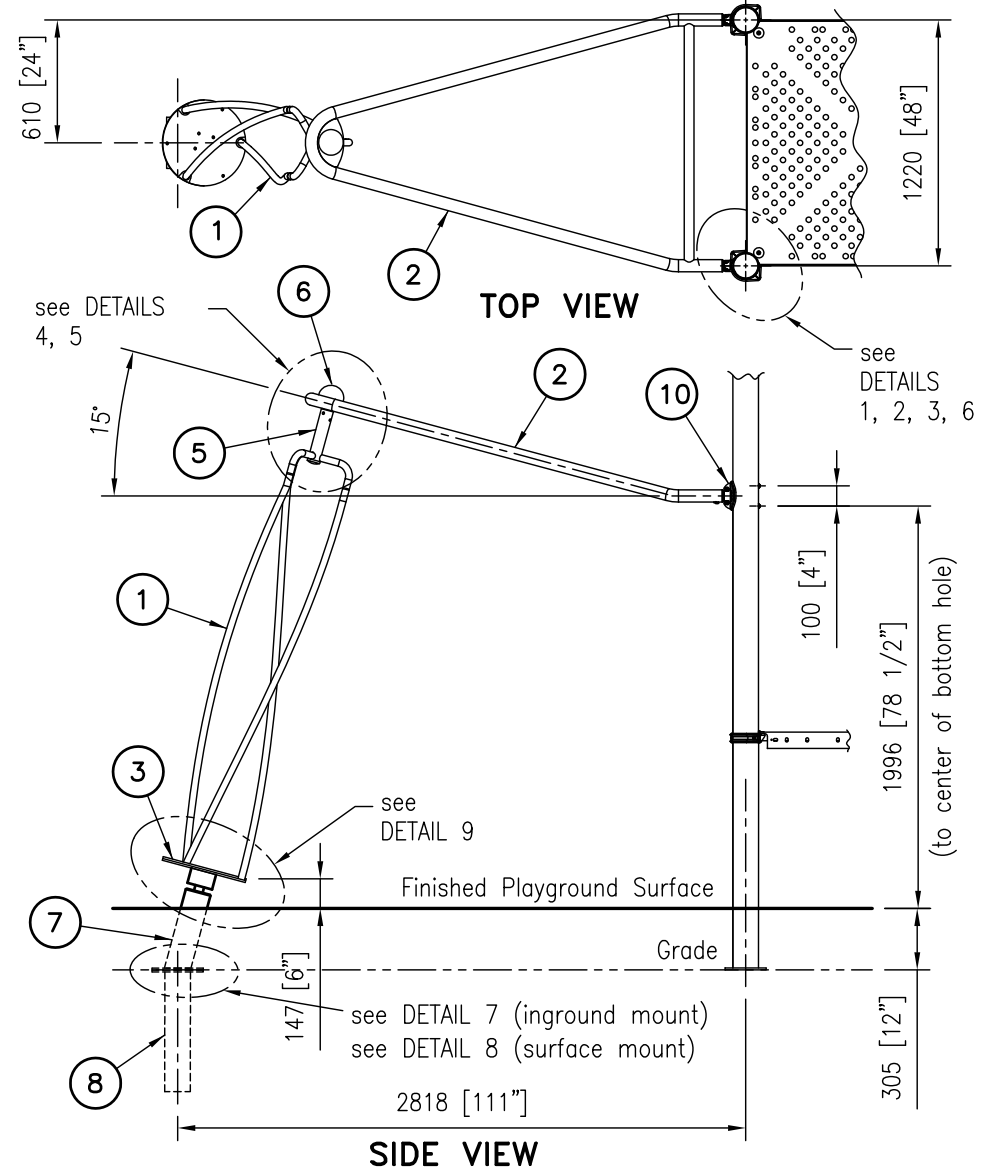
*Remove top cap to grease internal parts.*

*Grease lubrication points annually or as determined by use with automotive grease.*

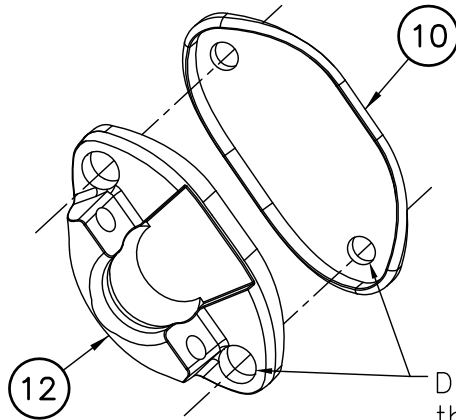


SURFACE MOUNT,  
40mm [1 1/2"] GROUND COVER

**[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]**



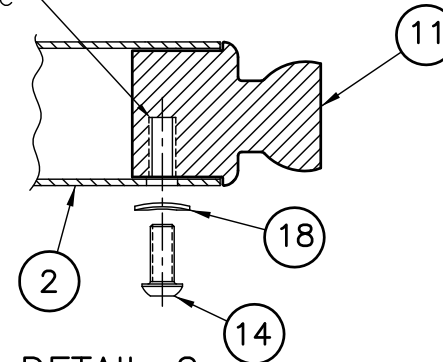
SURFACE MOUNT & INGROUND MOUNT,  
305mm [12"] GROUND COVER



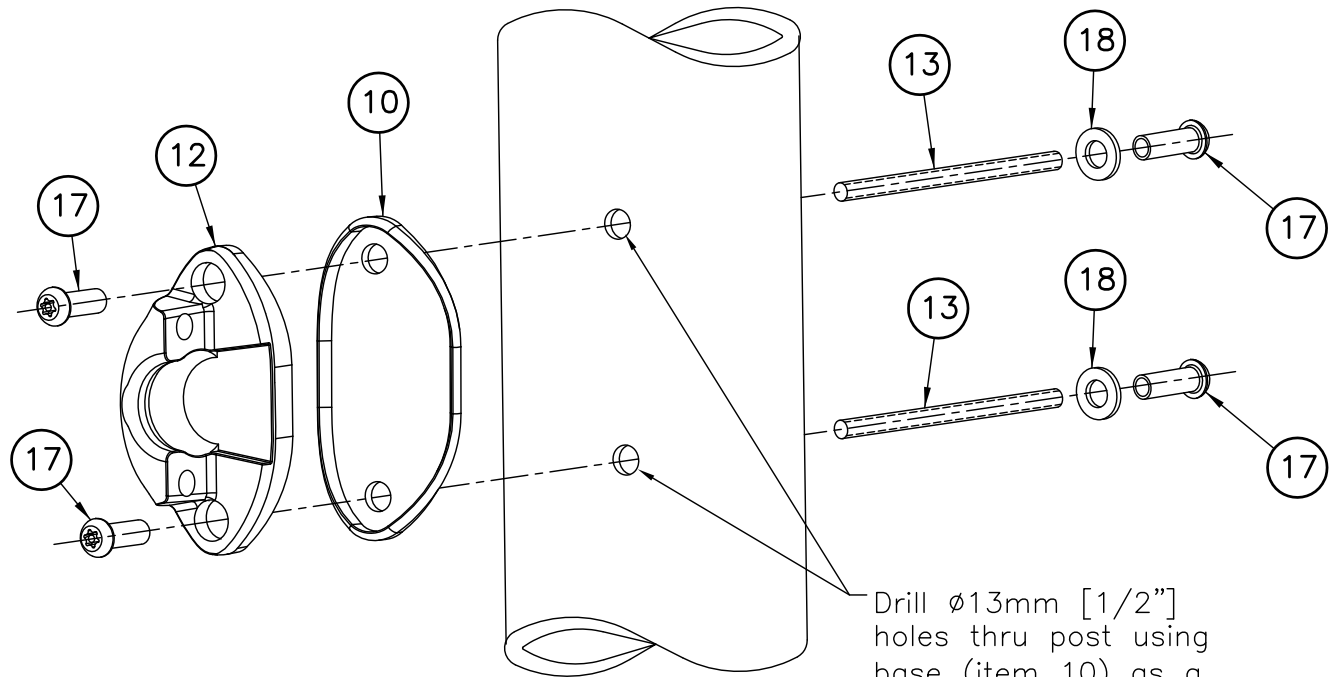
DETAIL 1  
TYP 2 PL

Drill  $\varnothing 11$  [7/16"] holes  
thru gasket using holes in  
base (item 10) as a template,  
typ 2 holes per gasket

threaded hole

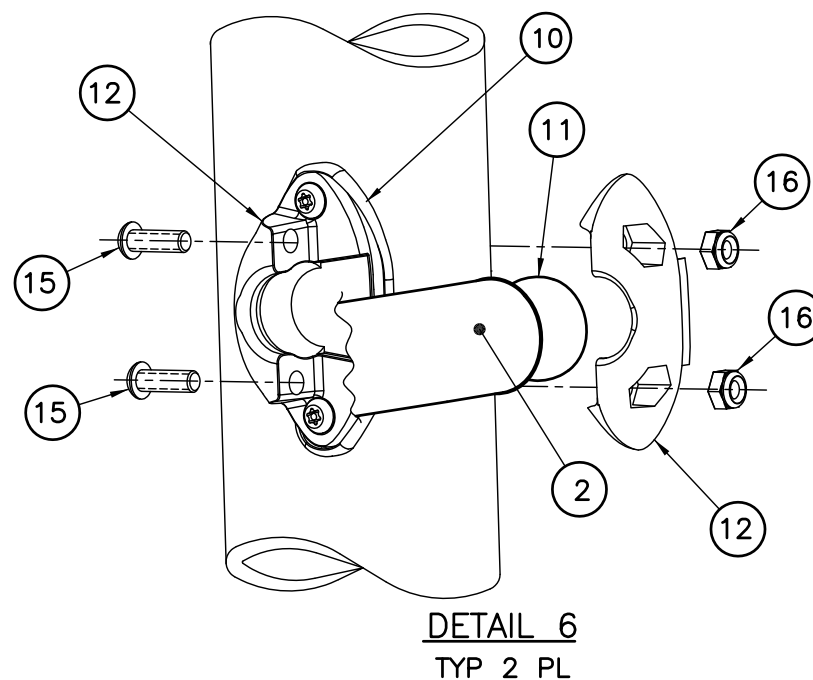
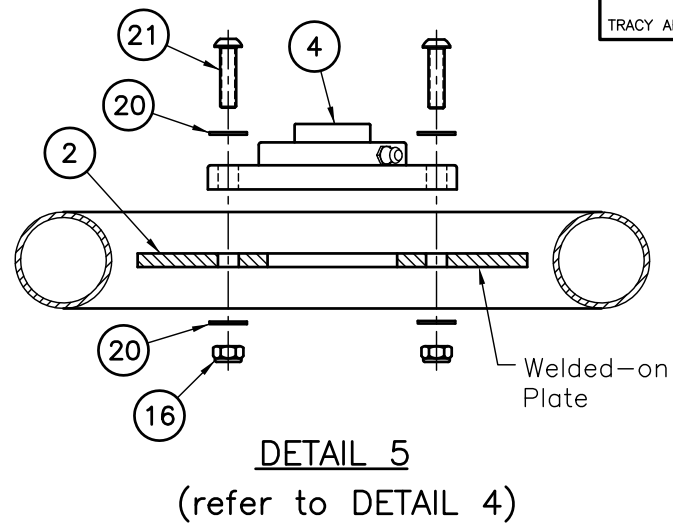
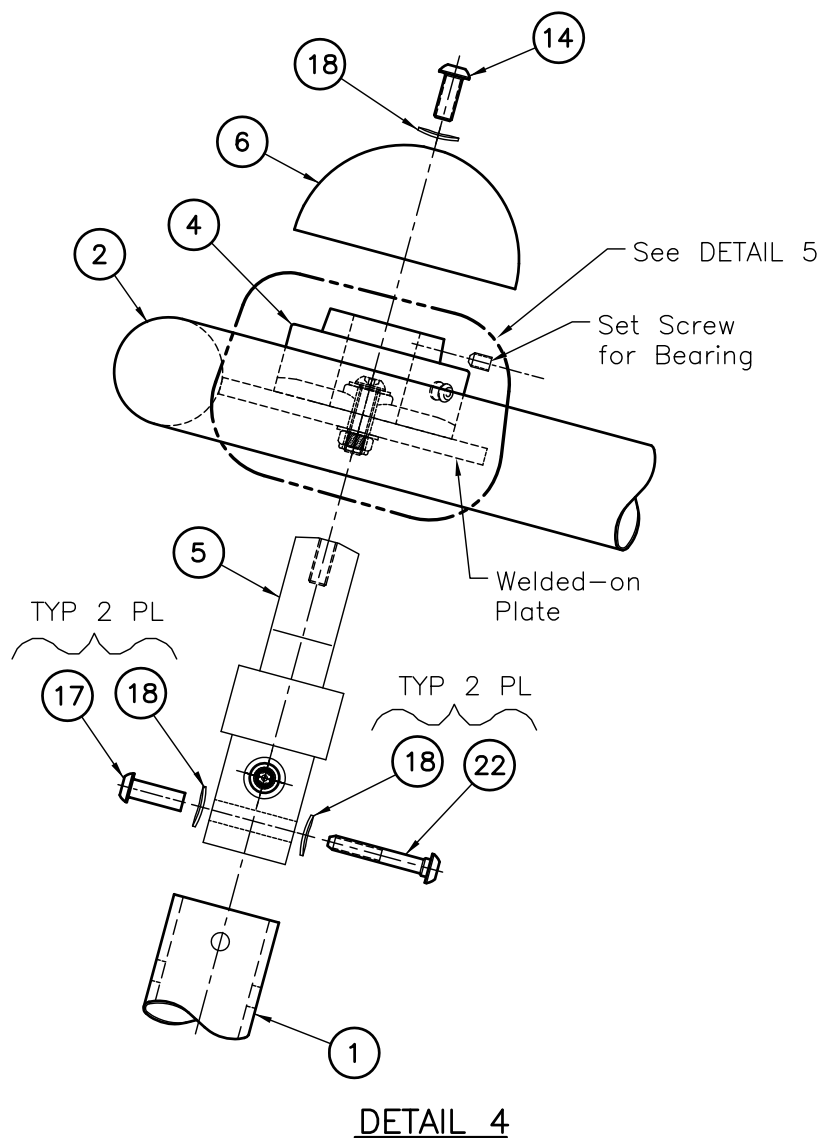


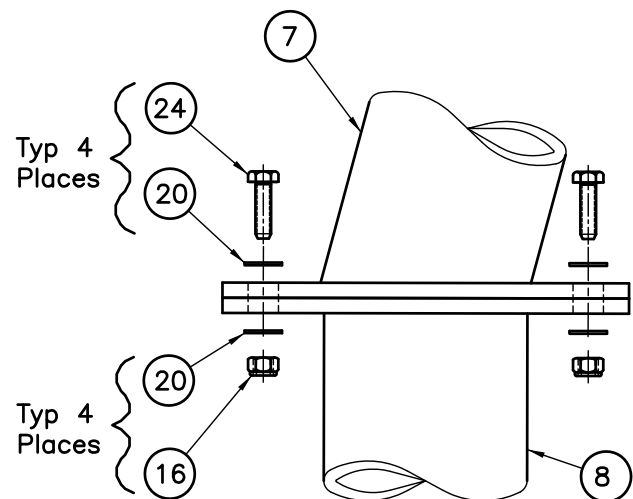
DETAIL 2  
TYP 2 PL



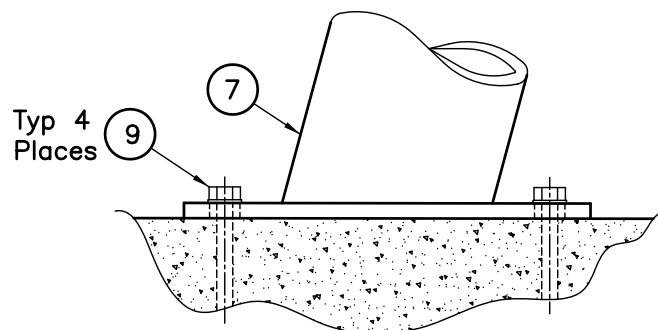
DETAIL 3  
TYP 2 PL

Drill  $\varnothing 13\text{mm}$  [1/2"]  
holes thru post using  
base (item 10) as a  
template

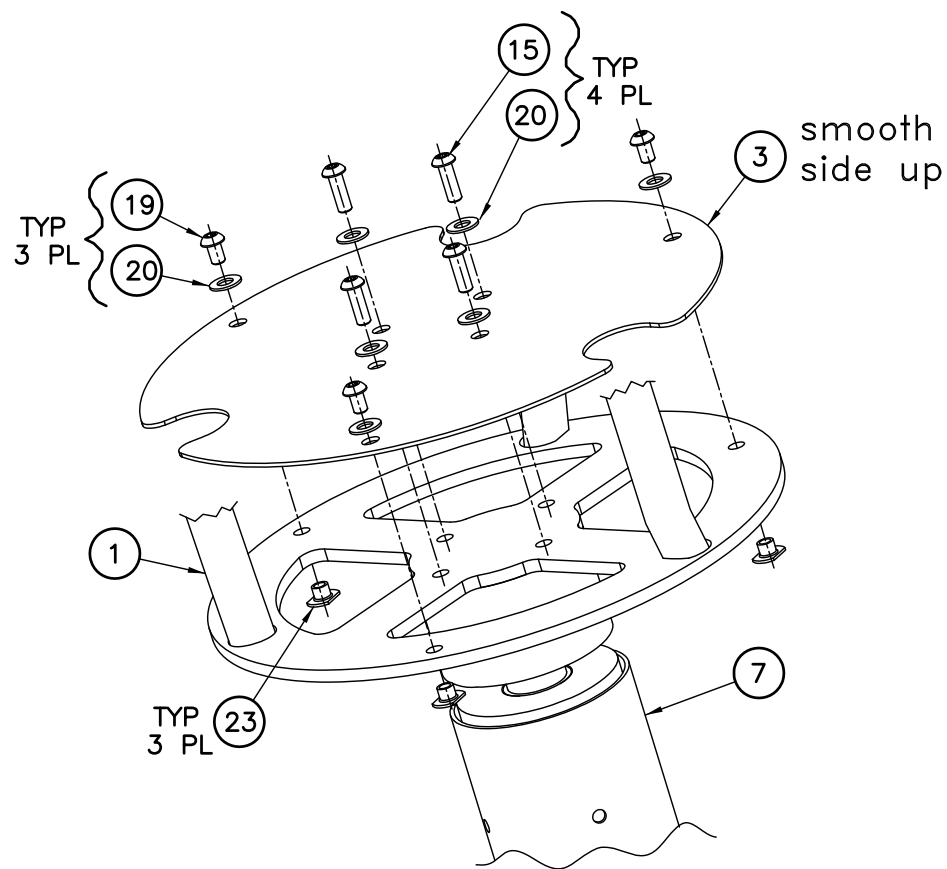




DETAIL 7 (Inground Mount)



DETAIL 8 (Surface Mount)



DETAIL 9





Project Number: R0324240161

PlayArea: PlayArea\_1 | Traditional Play

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

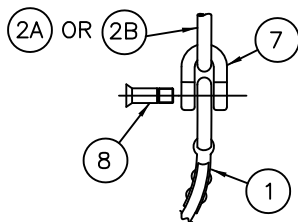
Date: 5/13/2024 12:00:00 AM

# TOT SWING SEAT

1800038C

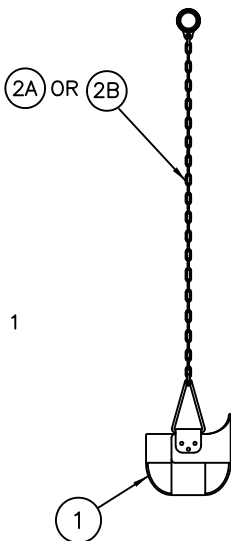
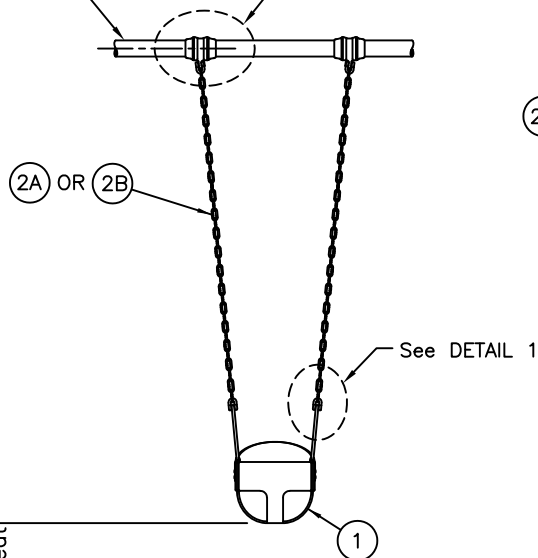
Sheet 1 of 2

AUTHORIZED BY: 07APR20  
STEVE ADKINS



DETAIL 1  
Typ 2 Places

Anti-wrap swing beam See DETAIL 2



ASSY TOT SEAT F/8' SWING W/CHAIN - 200202836  
ASSY TOT SEAT F/10' SWING W/CHAIN - 200202834

Item	Code	Description	Qty.
1	999605*	TOT SWING SEAT 360 DEG - NO LOGO	1
2A	200187283	CHAIN F/8' TOP RAIL BUCKET SEAT BG (52")	1
2B	200187284	CHAIN F/10' TOP RAIL BUCKET SEAT BG (75")	1
3	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1
4	200189490	HDWR BAG LBL/INST.F/BUCKET SWG CSA	1
5	200189489	HDWR BAG LBL/INST.F/BUCKET SWG US	1
6	HW35993-02	HRDW PKG 2 SM D STY SKL ST S1/1	1

HRDW PKG 2 SM D STY SKL ST S1/1 - HW35993-02

Item	Code	Description	Qty.
7	200035993	SHACKLE "D" STYLE 41 MM 300 S.S.(SMALL)	2
8	200035994	BOLT M10 X 1.5 X 27 MM 300 SS 6-LOBE(SM)	2

Note: An (\*) by a part number (CODE) indicates: Color Code Required.

## Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit.
- Check chain and seat for wear

## Specifications

### CHAINS

MATERIAL: 4/0 chain link hot dipped galvanized

### TOT SEAT

MATERIAL: Tot Swing Seats shall be heavy duty construction, fabricated from rubber with a tempered steel insert molded inside, rendering them slashproof. Tot seat shall be fully enclosed to prevent slipping out and provide lower back support. Two sizes of leg cutouts make this seat versatile enough to accommodate larger children with special needs also.

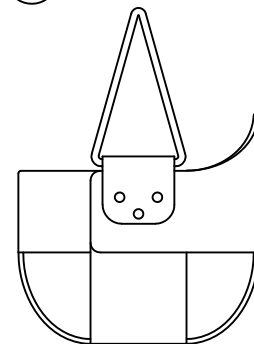
## Installation Instructions

1. Attach swing seat (Item 1) to chains (Item 2A or 2B), DETAIL 1.
2. Determine seat height and trim chains accordingly.
3. Attach chains to beam, DETAIL 2, Sheet 2.

## NOTES:

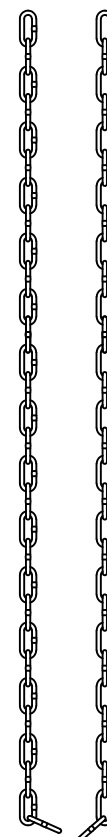
1. See separate instruction for swing frame installation.

1



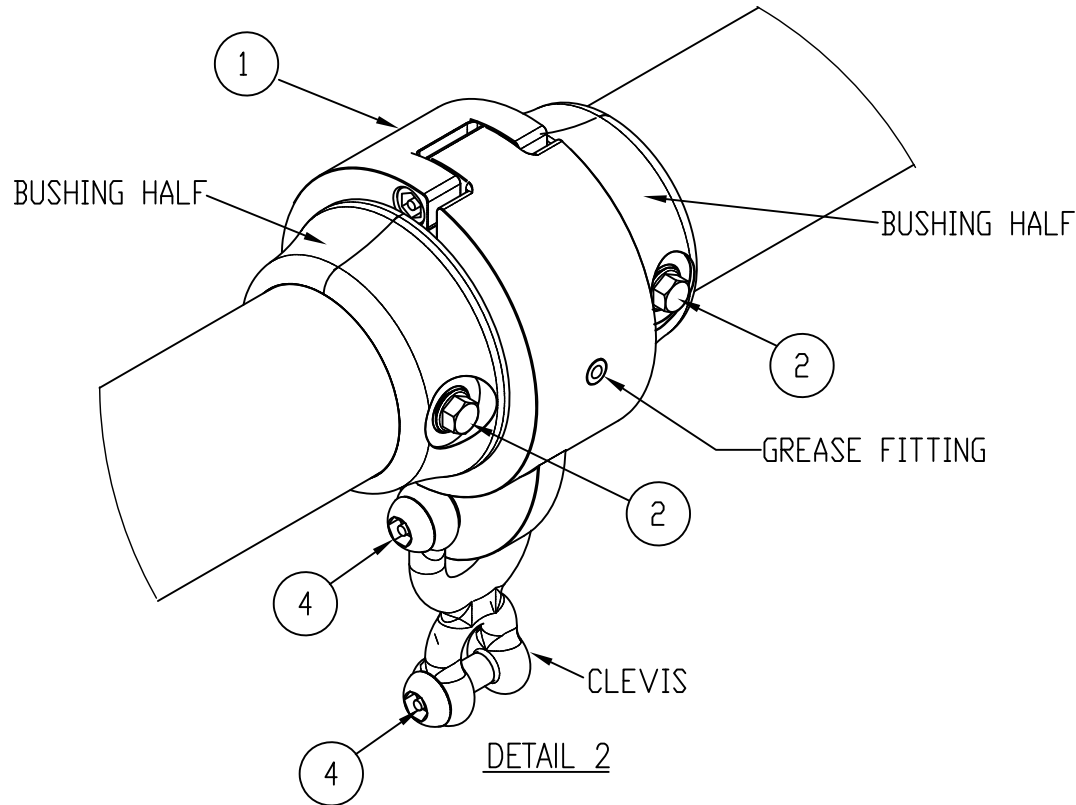
2A

2B



## NOTE:

1. MINIMUM SEAT HEIGHT TO BE 24 INCHES.



## 994824 - (2) ANTI WRAP HANGER 2 3/8" TOP RAIL PARTS

Item	Code	Description	Qty.
1	102421	ANIT-WRAP SWING HANGER 2 3/8" TOP RAIL	2
2	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
3	102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
4	SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

NOTE: DISCARD TEK SCREWS THAT COME WITH THE 102421 KIT AND USE (ITEM 2).

### Installation Instructions

STEP 1 – REMOVE THE BOLT FROM THE CLEVIS AND SET THE BOLT ASIDE.

STEP 2 – OPEN THE HANGER ASSEMBLY (ITEM 1) AND REMOVE THE BUSHING HALVES. CENTER ONE (1) OF THE BUSHING HALVES ON TO THE BEAM USING THE HANGER LAYOUT FOR LOCATION, SHEET 3. ATTACH USING TWO (2) OF BOLTS (ITEM 2).

STEP 3 – REPEAT WITH THE OTHER BUSHING HALF. NOTE THAT THE BUSHING HALVES WILL NOT COMPLETELY MATE ON THE SWING BEAM. ALIGN THE TABS WITH THE NOTCHES AND ENSURE THE GAP BETWEEN THE BUSHING HALVES IS EQUAL ON BOTH SIDES OF THE SWING BEAM.

STEP 4 – PLACE THE HANGER ASSEMBLY (ITEM 1) AROUND THE BUSHING HALVES.

STEP 5 – APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT THAT WAS SET ASIDE IN STEP 1. ATTACH THE CLEVIS BACK TO THE HANGER ASSEMBLY (ITEM 1) USING THAT BOLT.

STEP 6 – ATTACH THE CHAIN TO THE BOTTOM OF THE CLEVIS USING THE BOLT THAT CAME WITH (ITEM 1). APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT BEFORE INSERTING INTO CLEVIS. TIGHTEN ALL HARDWARE.

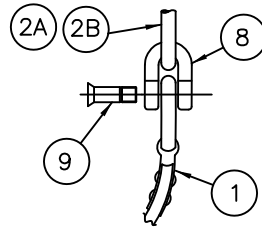
STEP 7 – USING A GREASE GUN, PLACE A SUFFICIENT AMOUNT OF ALL-PURPOSE GREASE INTO THE GREASE FITTING TO ALLOW THE HANGER TO SWING FREELY.

# BELT SWING SEAT

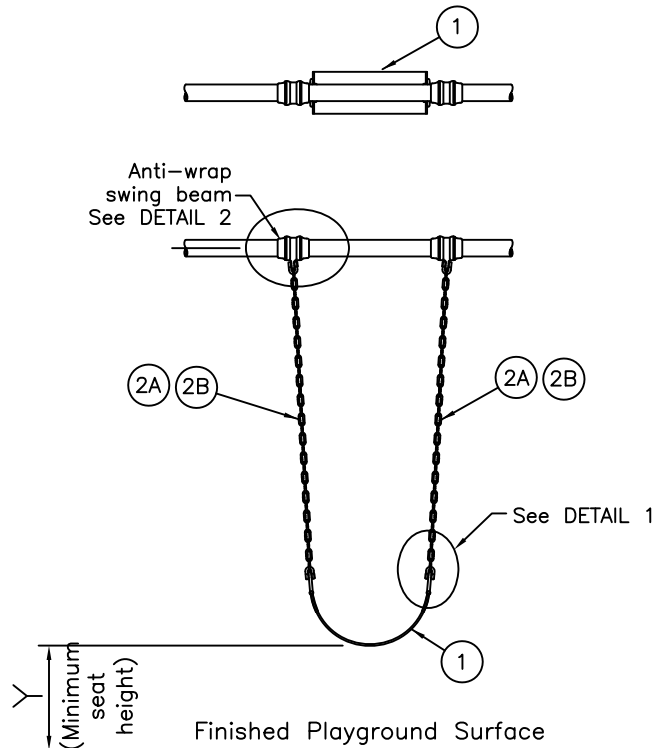
I800039C

Sheet 1 of 2

AUTHORIZED BY: 17APR19  
Steve Adkins



**DETAIL 1**  
Typ 2 Places



## NOTE:

1. MINIMUM SEAT HEIGHT TO BE 12 INCHES.

ASSEMBLY BELT SEAT F/8' SWING W/CHAIN - 200202835  
ASSEMBLY BELT SEAT F/10' SWING W/CHAIN - 200202832

Item	Code	Description	Qty.
1	999604*	BELT SWING SEAT, SLASH PROOF - NO LOGO	1
2A	200187286	CHAIN F/8' TOP RAIL BELT/DURAGLIDE (71")	1
2B	200187287	CHAIN F/10' TOP RAIL BELT/DURAGLIDE (95")	1
3	200189491	HDWR BAG LBL/INST.F/BELT SWG CSA	1
4	200189492	HDWR BAG LBL/INST.F/BELT SWG 8' BEAM US	1
5	200189493	HDWR BAG LBL/INST.F/BELT SWG 10' BEAM US	1
6	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1
7	HW35993-02	HRDW PKG 2 SM D STY SKL ST S1/1	1

HRDW PKG 2 SM D STY SKL ST S1/1 - HW35993-02

Item	Code	Description	Qty.
8	200035993	SHACKLE "D" STYLE 41MM 300 SS (SMALL)	2
9	200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE (SM)	2

## Application

- For age groups 2-12 years.

## Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit.
- Check chain and seat for wear

## Specifications

### CHAINS

MATERIAL: 4/0 chain link hot dipped galvanized

### BELT SEAT

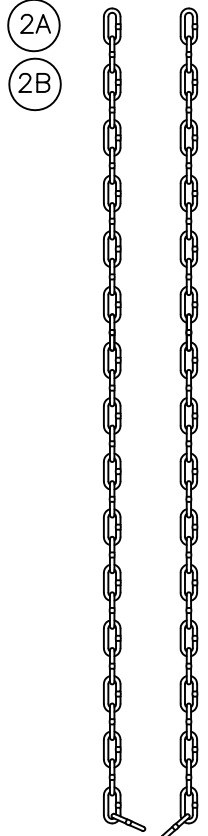
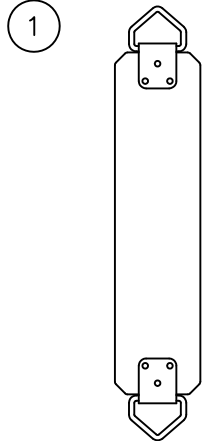
MATERIAL: Rubber with a tempered steel insert molded inside

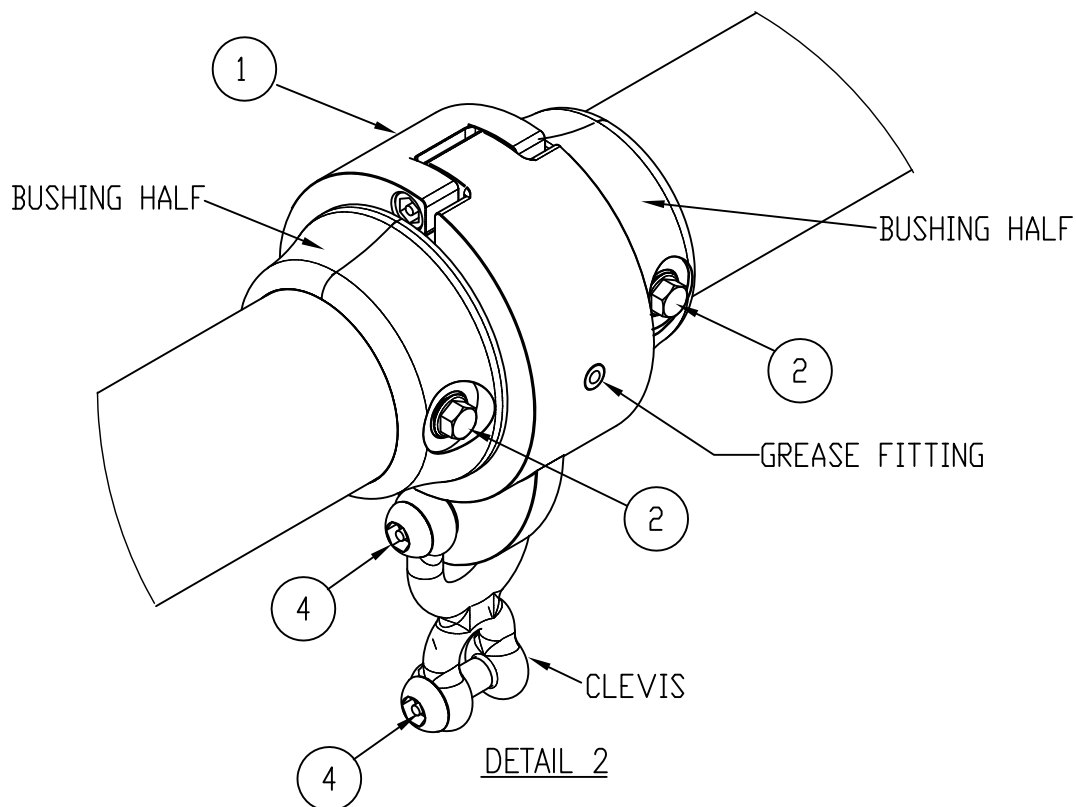
## Installation Instructions

1. Attach chains and hangers to beam as shown in DETAIL 2, Sheet 2.
2. Determine seat height and trim chains accordingly.
3. Attach swing seat to chains as shown in DETAIL 1.

## NOTES:

1. See separate instruction for swing frame installation.





## 994824 - (2) ANTI WRAP HANGER 2 3/8" TOP RAIL PARTS

Item	Code	Description	Qty.
1	102421	ANIT-WRAP SWING HANGER 2 3/8" TOP RAIL	2
2	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
3	102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
4	SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

NOTE: DISCARD TEK SCREWS THAT COME WITH THE 102421 KIT AND USE (ITEM 2).

## Installation Instructions

STEP 1 – REMOVE THE BOLT FROM THE CLEVIS AND SET THE BOLT ASIDE.

STEP 2 – OPEN THE HANGER ASSEMBLY (ITEM 1) AND REMOVE THE BUSHING HALVES. CENTER ONE (1) OF THE BUSHING HALVES ON TO THE BEAM USING THE HANGER LAYOUT FOR LOCATION, SHEET 3. ATTACH USING TWO (2) OF BOLTS (ITEM 2).

STEP 3 – REPEAT WITH THE OTHER BUSHING HALF. NOTE THAT THE BUSHING HALVES WILL NOT COMPLETELY MATE ON THE SWING BEAM. ALIGN THE TABS WITH THE NOTCHES AND ENSURE THE GAP BETWEEN THE BUSHING HALVES IS EQUAL ON BOTH SIDES OF THE SWING BEAM.

STEP 4 – PLACE THE HANGER ASSEMBLY (ITEM 1) AROUND THE BUSHING HALVES.

STEP 5 – APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT THAT WAS SET ASIDE IN STEP 1. ATTACH THE CLEVIS BACK TO THE HANGER ASSEMBLY (ITEM 1) USING THAT BOLT.

STEP 6 – ATTACH THE CHAIN TO THE BOTTOM OF THE CLEVIS USING THE BOLT THAT CAME WITH (ITEM 1). APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT BEFORE INSERTING INTO CLEVIS. TIGHTEN ALL HARDWARE.

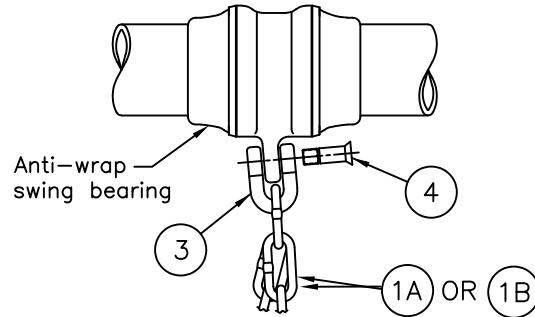
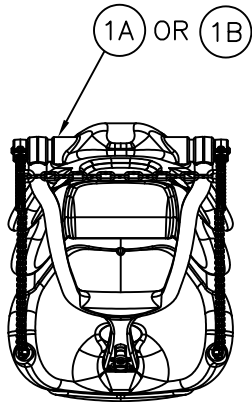
STEP 7 – USING A GREASE GUN, PLACE A SUFFICIENT AMOUNT OF ALL-PURPOSE GREASE INTO THE GREASE FITTING TO ALLOW THE HANGER TO SWING FREELY.

# INCLUSIVE SWING SEAT

I800042G

Sheet 1 of 2

AUTHORIZED BY: 24APR23  
Kathy Semoni



DETAIL 1  
Typ 2 Places



1A OR 1B

(Minimum  
seat height)

Y

Finished Playground Surface

1A OR 1B



INCLUSIVE SWING SEAT W/CHAINS, 8FT - 200203433  
INCLUSIVE SWING SEAT W/CHAINS, 10FT - 200203434

Item	Code	Description	Qty.
1A	925289*	INCLUSIVE RACING SEAT 8FT ASSEMBLY	1
1B	925288*	INCLUSIVE RACING SEAT 10FT ASSEMBLY	1
2	HW147909-1	HRDW PKG INCL SWING SEAT S1/1	1

HRDW PKG INCL SWING SEAT S1/1 - HW147909-1

Item	Code	Description	Qty.
3	200035993	SHACKLE "D" STYLE 41 MM 300 S.S.(SMALL)	2
4	200035994	BOLT M10 X 1.5 X 27 MM 300 SS 6-LOBE(SM)	2
5	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1

Note: An (\*) by a part number (CODE) indicates: Color Code Required.

## Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kits below
- Check chain and seat for wear.
- See Replacement Kits above for 8FT and 10FT.

INCL SWG SEAT RES REPLACMEMENT KIT - 923422

Code	Description	Qty.
304262	YOKE FRICTION SPACER	4
200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	2

REPLACEMENT LATCH F/INCL SWG SEAT - 925297

Code	Description	Qty.
906478	LATCH LOCATOR SLEEVE	1
925298	LATCH GRIP ROUND	1
925294	LATCH FRONT PLATE LONG	1
906499	LATCH SPRING PLATE	1
906500	LATCH CYLINDER	1
925295	LATCH BACKING PLATE LONG	1
925296	LATCH COMPRESSION SPRING 1.63" LONG	1
200002010	SCREW MACH BUTTONHEAD M10 X 1.5 X 16MM	1
200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	1

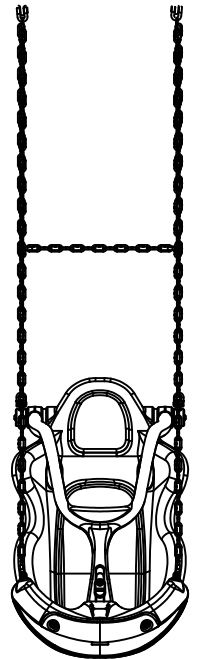
HDWR BAG F/INCL SWING SEAT 8FT TOP RAIL - 902841

Code	Description	Qty.
906502	INCLUSIVE SWING CHAIN 1, 34 LINKS F/8FT	2
906118	INCLUSIVE SWING CHAIN 2, 50 LINKS F/8FT	2
903699	INCLUSIVE SWING CHAIN 3, 13 LINKS	1
200035993	SHACKLE "D" STYLE 41MM 300 S.S. (SMALL)	6
200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE(SM)	6

HDWR BAG F/INCL SWING SEAT 10FT TOP RAIL - 902840

Code	Description	Qty.
903695	INCLUSIVE SWING CHAIN 1, 52 LINKS F/10FT	2
903694	INCLUSIVE SWING CHAIN 2, 68 LINKS F/10FT	2
903699	INCLUSIVE SWING CHAIN 3, 13 LINKS	1
200035993	SHACKLE "D" STYLE 41MM 300 S.S. (SMALL)	6
200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE(SM)	6

1A OR 1B



## Installation Instructions

1. Attach chains to beam as shown in DETAIL 1.
2. Determine seat height and trim chains accordingly.
3. See sheet 2 for yoke friction information.

## NOTES:

1. See separate instruction for swing frame installation.

## NOTE:

1. MINIMUM SEAT HEIGHT TO BE 12 INCHES

**\*\*\*IMPORTANT NOTES\*\*\***

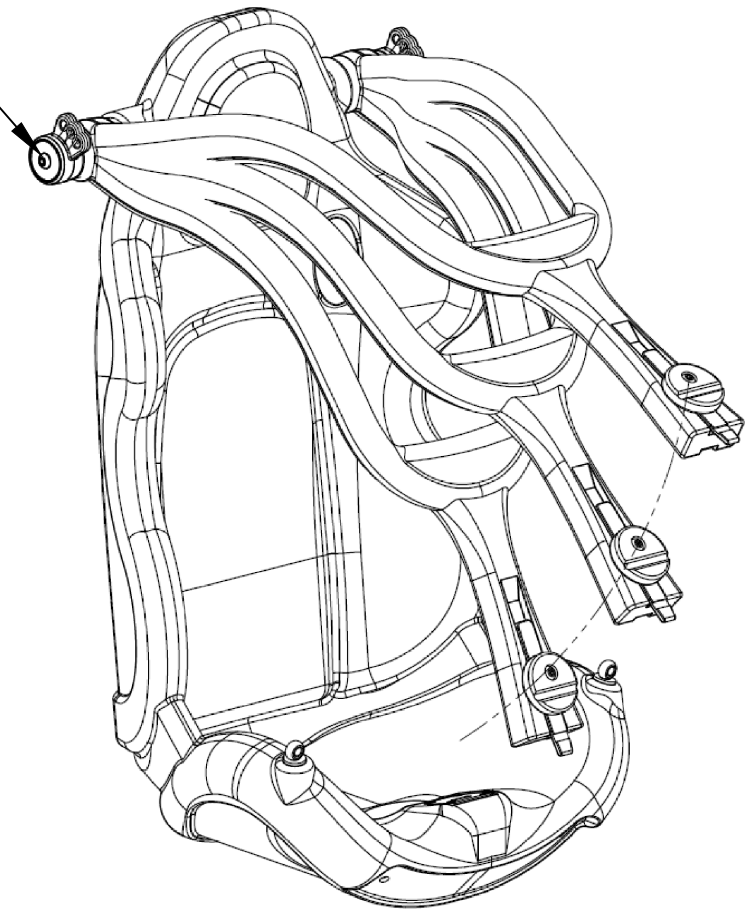
1. After assembly is complete and seat is hanging from top rail, verify that the friction in yoke allows it to maintain its position regardless of where it is in its range of motion or whether user load is present.

2. If yoke does not maintain its position as specified in step 1 above, two new factory supplied bolts with pre-applied threadlocker (P/N 200097726 Screw Mach Buttonhead M10 x 1.5 x 38mm) must be ordered and installed or threadlocker (P/N 102423 Tube 2ml Blue Threadlocker Vibra-Tite 12102, or equivalent) must be applied to two existing bolts. Tighten the M10 screw mach buttonhead, quantity 2, until desired results are achieved.

3. Friction must be checked and adjusted as needed per steps 1 and 2 above, as part of customer-established periodic maintenance program, at a minimum on a quarterly basis.

4. Verify latch sits flush with yoke when compressed.

M10 SCREW MACH  
BUTTONHEAD  
QTY 2  
(1 ON EACH END)



## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

**NOTE:** Inspect equipment on a regularly scheduled basis. Refer to Playground Inspection/Maintenance and Repair Guidelines located in Installation Manual. Anti-Wrap Swing Swivel should be inspected monthly to ensure there are no worn, sharp, vandalized or rusted components. It should also be determined at this time if more grease is required to keep Swivel moving freely.

**I800053**  
**5" Arch Swing Frame**  
**w/Antiwrap (2022)**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
LT0943	5" 2 Seat Arch Swing W/AW	2
LT0945	5" 2 Seat Arch Swing Add-A-Bay W/AW	3
LT0947	5" 1 Seat Arch Swing W/AW	4
LT0949	5" 1 Seat Arch Swing Add-A-Bay W/AW	5

*Note: An (\*) by a part number (Code) indicates: Color Code Required.*

### TOOLS AND EQUIPMENT REQUIRED

*Also see "Installations 101"*

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, concrete blocks, bricks, jackstands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Rubber mallet
8. Step ladder
9. Adult installers - 2 minimum



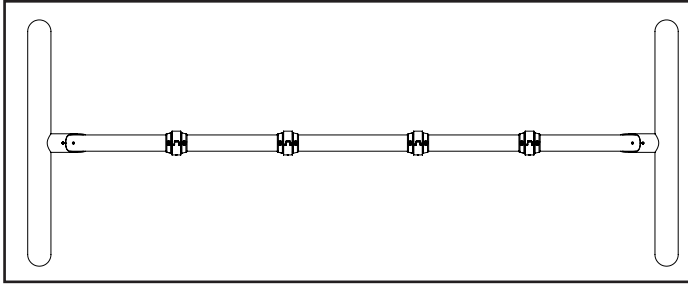
**Arch Swing Frames 5" with Anti-Wrap Swing Hangers**

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

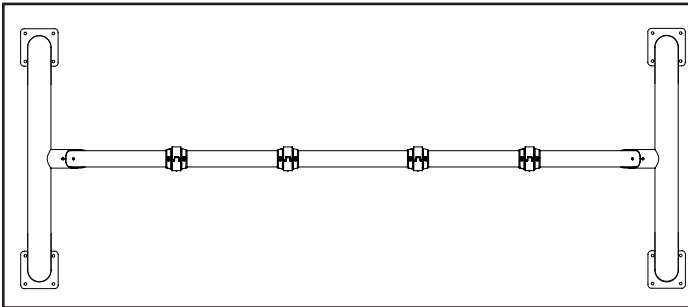
LT0943

**5" 2 Seat Arch Swing  
w/Anti-Wrap Swing Hangers**

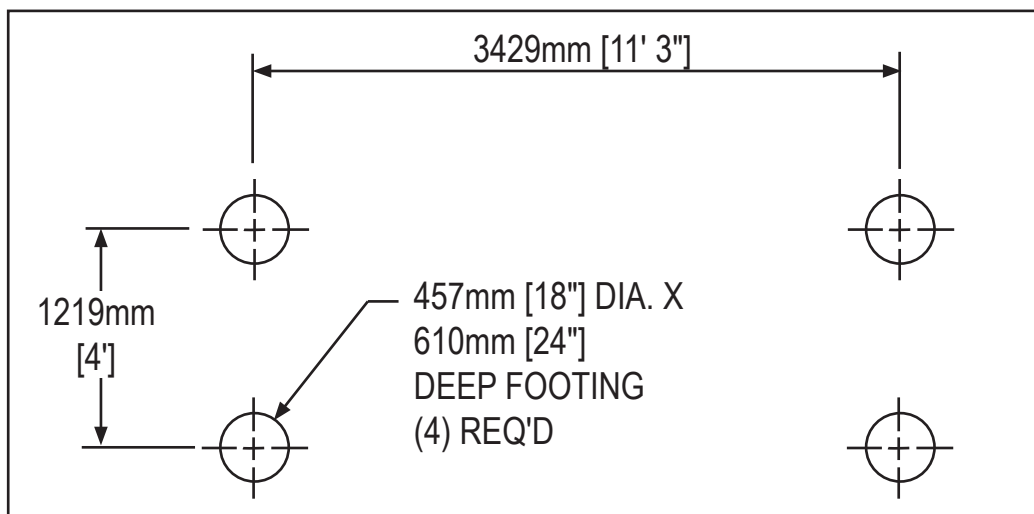
Protective Area: 24' x 32'



Top View - Inground



Top View - Surface Mount

Inground Model  
Shown

Footing Layout - Same spacing for inground and surface mount.

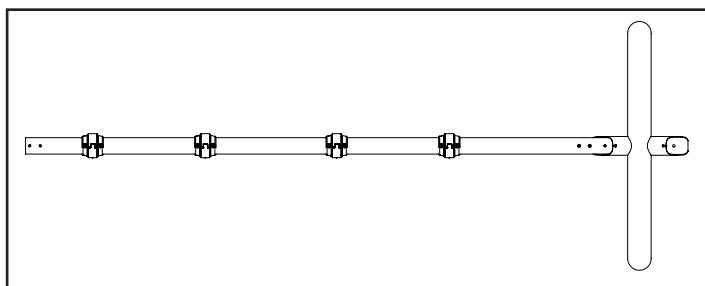
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

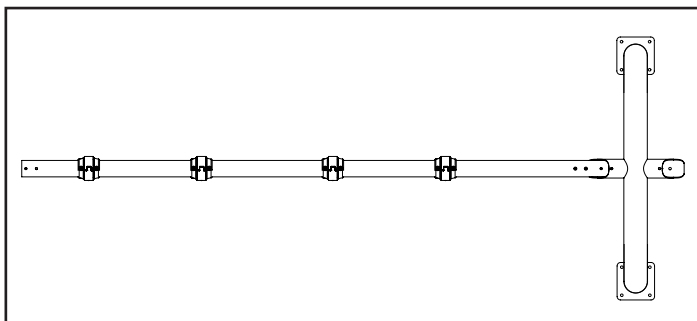
LT0945

5" 2 Seat Arch Swing Add-A-Bay  
w/Anti-Wrap Swing Hangers

Protective Area: 24' x 32'



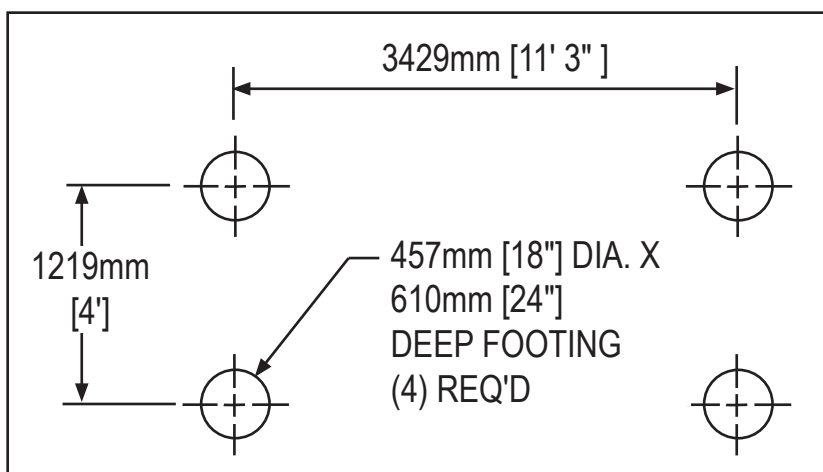
Top View - Inground



Top View - Surface Mount



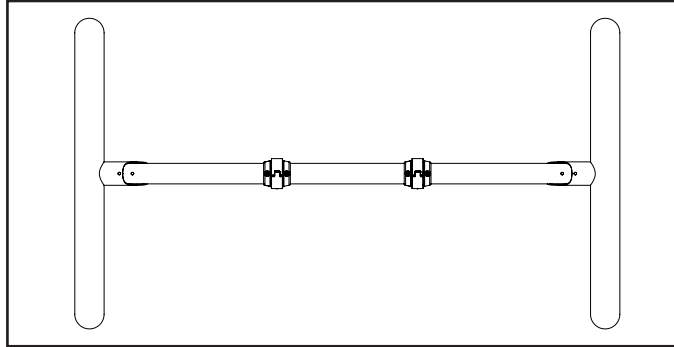
Inground Model  
Shown



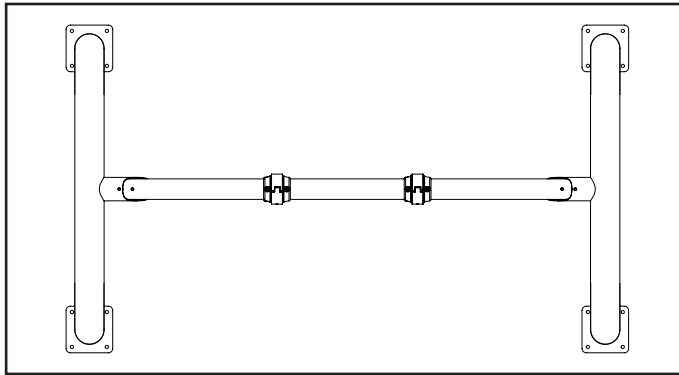
Footing Layout - Same spacing for inground and surface mount.

*Each Add-A-Bay for these two models use the footing layout shown at left.*

*Note: For more than eight bays, please contact your service representative.*

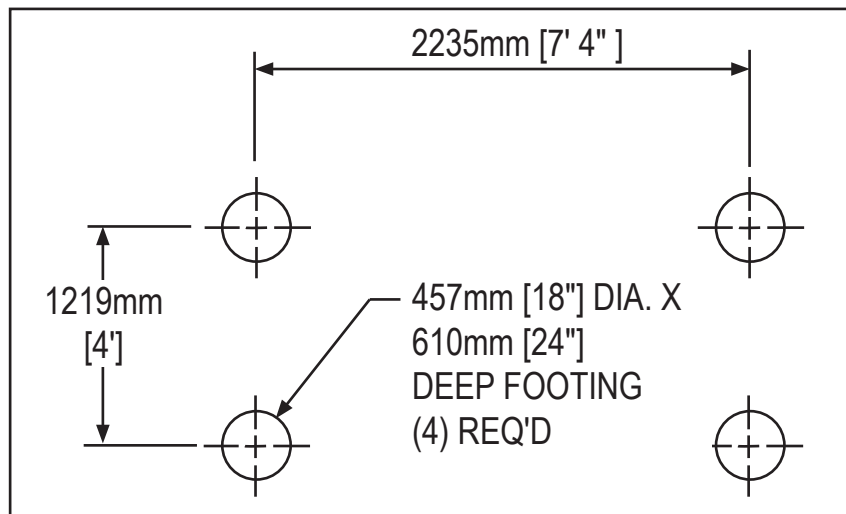
**Arch Swing Frames 5" with Anti-Wrap Swing Hangers****(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay**

Top View - Inground



Top View - Surface Mount

**LT0947**  
**5" 1 Seat Arch Swing**  
**w/Anti-Wrap Swing Hangers**  
 Protective Area: 21' x 32'

Inground Model  
Shown

Footing Layout - Same spacing for inground and surface mount.

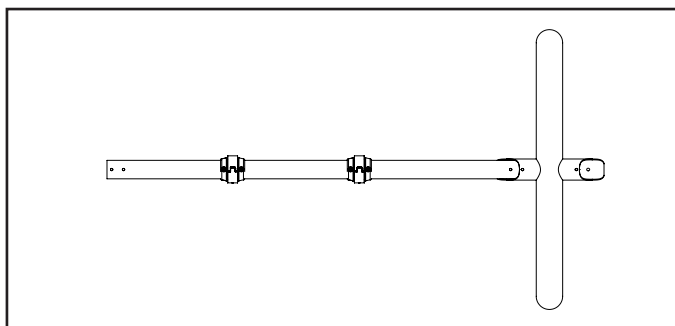
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

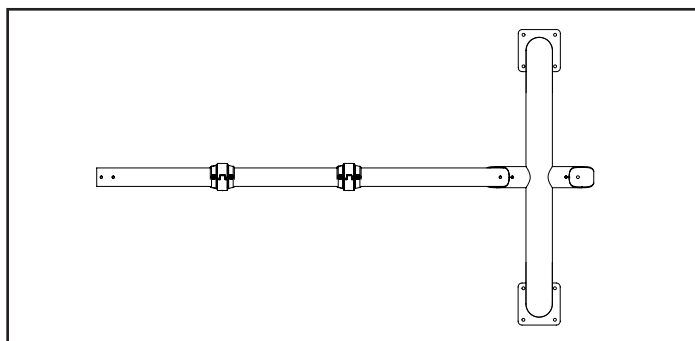
LT0949

5" 1 Seat Arch Swing Add-A-Bay  
w/Anti-Wrap Swing Hangers

Protective Area: 21' x 32'



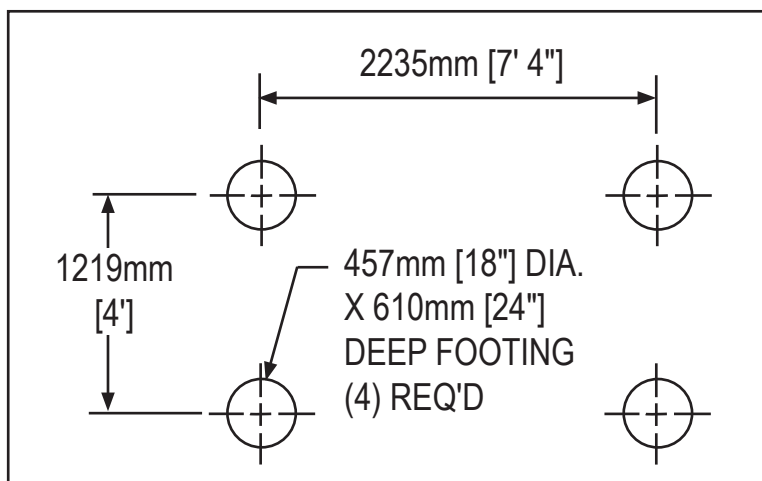
Top View - Inground



Top View - Surface Mount



Inground Model  
Shown



Footing Layout - Same spacing for inground and surface mount.

*Each Add-A-Bay for these two models use the footing layout shown at left.*

*Note: For more than eight bays, please contact your service representative.*

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers**

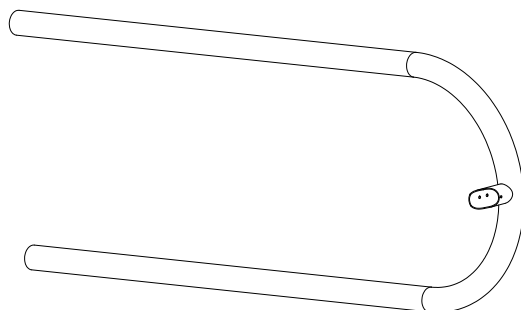
(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

**PARTS IDENTIFICATION**

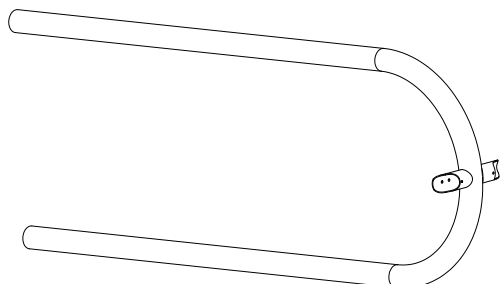
**PN 929419\* TOP  
RAIL-3.5"OD X 79.58"  
(ANTI-WRAP)**



**PN 929418\* TOP RAIL-  
3.5"OD X 126.58"  
(ANTI-WRAP)**



**PN 929414\* FRAME - 5.00"  
STEEL ARCH SWING**

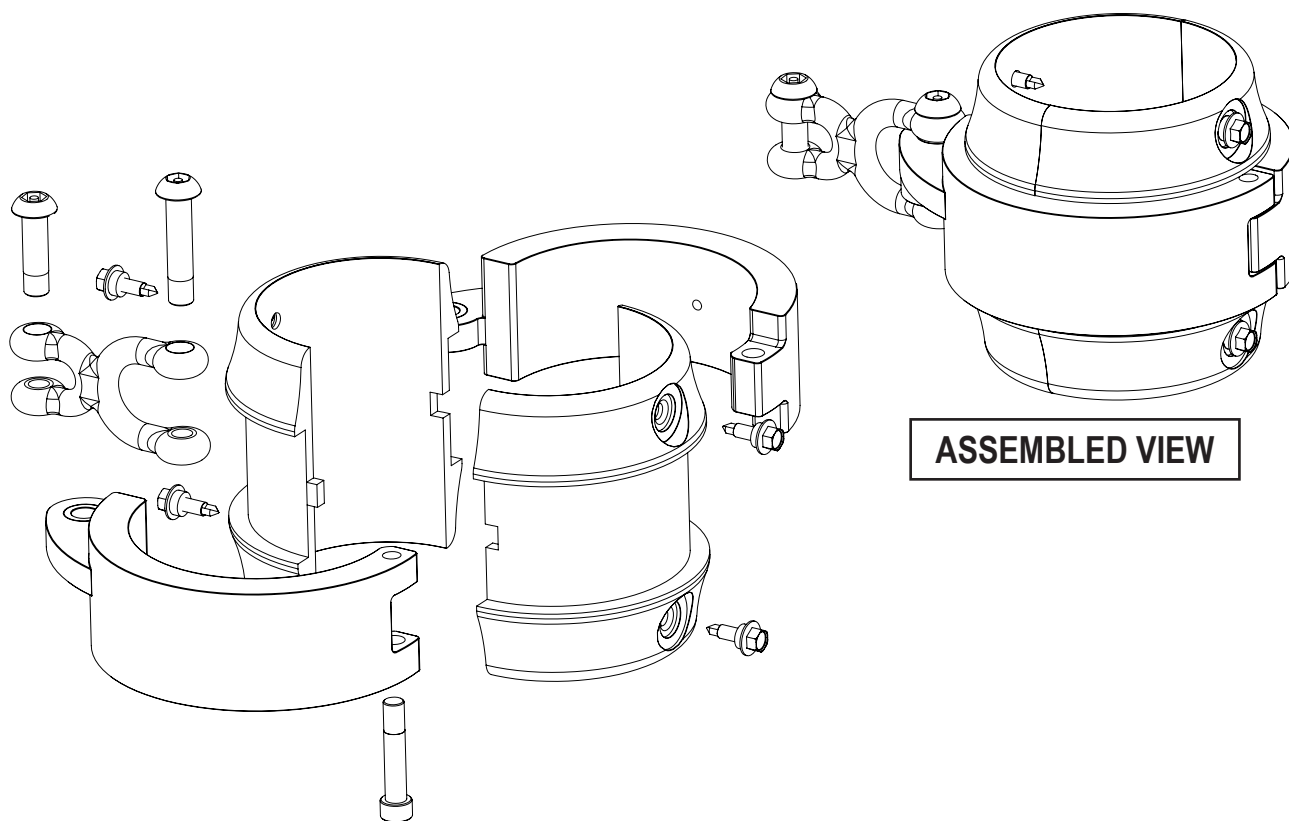


**PN 929415\* FRAME - 5.00"  
STEEL ARCH SWING (ADD  
BAY)**

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

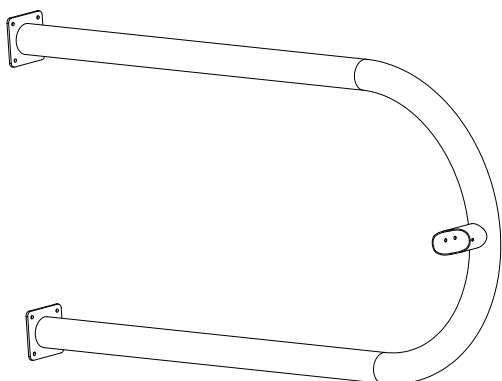
### PARTS IDENTIFICATION



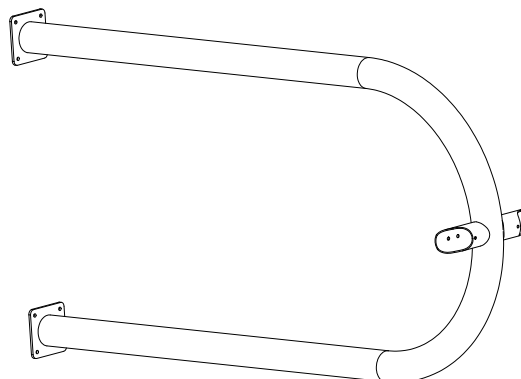
EXPLODED VIEW

ASSEMBLED VIEW

PN 102422 ANTI WRAP SWING HANGER 3 1/2" TOP RAIL



PN 929426\* FRAME-5.00"  
STEEL ARCH SWING (SM)



PN 929427\* FRAME-5.00" STEEL  
ARCH SWING (ADD BAY)SM

Arch Swing Frames 5" & Add-A-Bays 5" with Anti-Wrap Swing Hangers

1800053

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

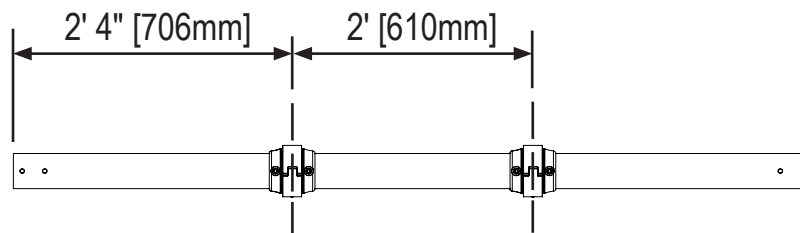
### STEP 1 DIG FOOTINGS (IF APPLICABLE)

1a. Refer to Footing Layout and Construction Drawings for inground and surface mount footing criteria for installation. Surface mount model can be placed on either a 4" concrete slab or a concrete footing. For inground footings, place blocking material in bottom of footing holes.

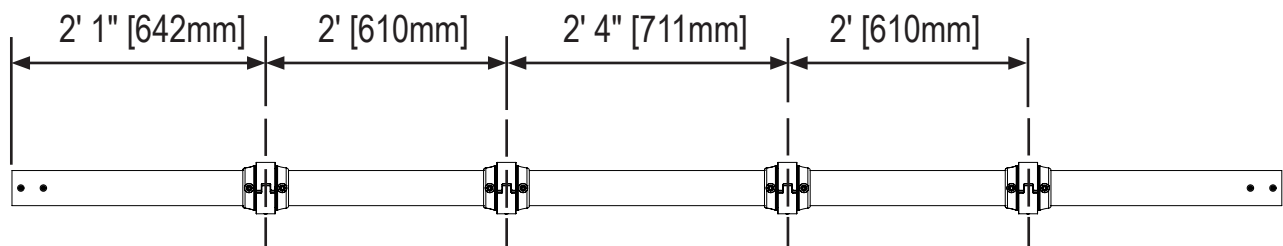
*Note: Do not pour concrete for footings until model is fully assembled per instructions and braced in position, leveled and plumbed.*

### STEP 2 MARK TOP RAILS FOR HANGER PLACEMENT

2a. Mark top rails for anti-wrap swing hanger placement. Measure from **end** of top rail to **center** of anti-wrap swing hanger as shown below.



PN 929419\* TOP RAIL-3.5"OD X 79.58" (ANTI-WRAP)



PN 929418\* TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### STEP 3 ASSEMBLE AND ATTACH ANTI-WRAP SWING HANGERS

3a. Locate anti-wrap swing hanger. Remove H-shackle using a wrench with pin hole to remove tamper proof bolt. Set bolt aside. Open hanger into halves and remove plastic collar.

3b. *Illustration 1* - Centering plastic collar on mark made on top rail in Step 2, set top half on rail. Attach with included hardware as shown.

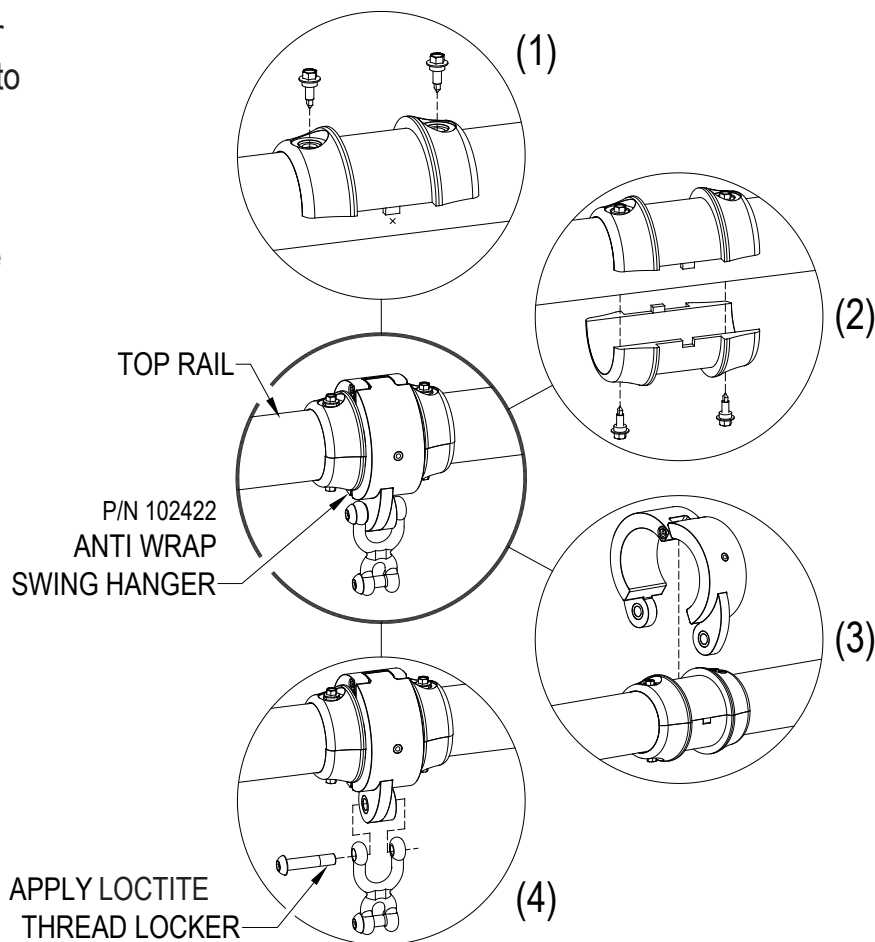
3c. *Illustration 2* - Repeat with bottom collar half. **NOTE: Plastic collar halves will NOT COMPLETELY MATE on top rail. Align tab with notch, and ensure gap between collar halves is equal on both sides of top rail.**

3d. *Illustration 3* - Place steel hanger around plastic collar.

3e. *Illustration 4* - Apply loctite threadlocker to end of tamper proof bolt. Attach H-shackle to hanger via tamper proof bolt. Tighten all hardware.

3f. Using a grease gun, place

hanger to swing freely.





## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

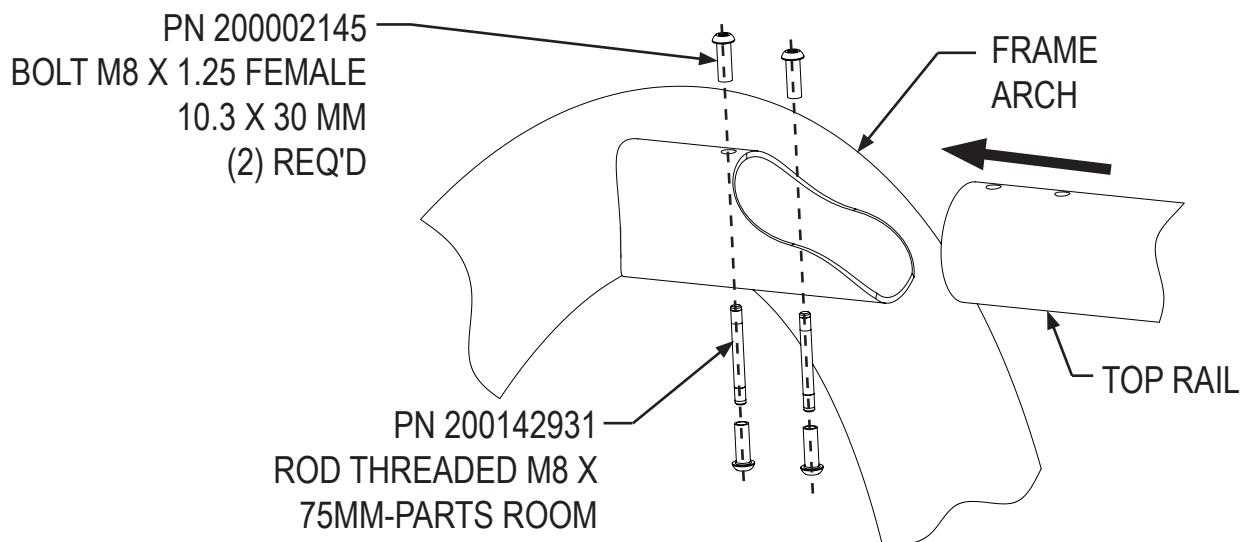
(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### **STEP 4** FASTEN TOP RAIL TO ARCHES

4a. Set arches on ground with stubs facing each other. Firmly seat ends of top rail over each arch stub, aligning mating bolt holes.

4b. Install bolts through top rail and arch stub in two places; repeat at other end of top rail.

*Install Tip: Once top rail is in stub, all eight bolt holes must be aligned. If necessary for alignment, run a 11/16" drill bit through all eight holes. Do not allow bit to wander, creating a larger hole.*



### **STEP 5** SET FRAME ARCH INTO FOOTINGS

5a. Repeat *Step 4* for remaining arches and top rails, if applicable.

5b. For inground model, lift frame assembly and set in footings. Surface mount model will be attached to concrete with anchor bolts in *Step 6*. Ensure that frame arches are plumb and that top rails are level. Block in position so that bottom surface of top rails are **96"** (8'- 0")

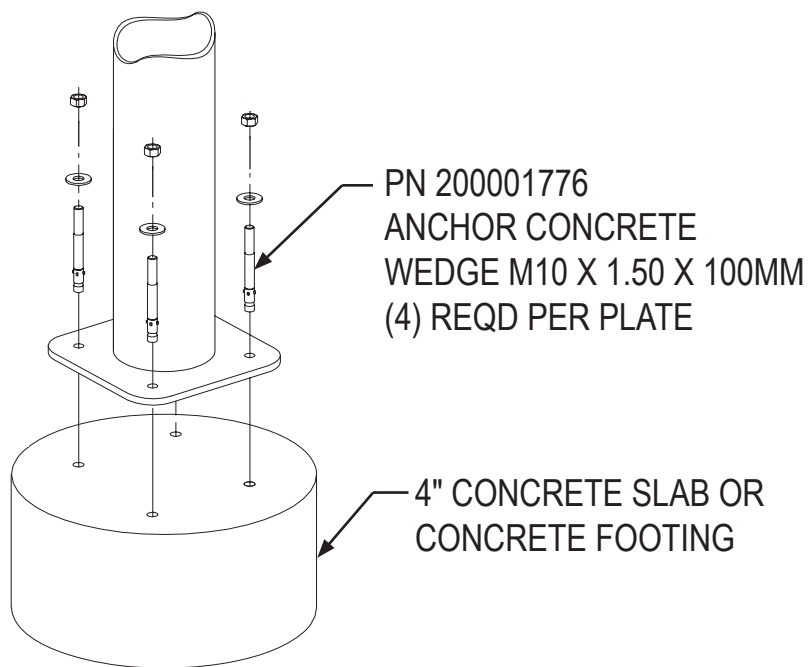
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### STEP 6 POUR CONCRETE (IF APPLICABLE)

6a. Rope off area to prevent access and pour concrete; allow to cure for 72 hours. For surface mount models, see illustration below.

***Important Note:*** Do not hang swing chains and seats until concrete has fully cured per concrete manufacturer's instructions (usually 72 hours) and protective surfacing is installed, to avoid risk of injury to users and damage to play equipment.



**SURFACE MOUNT FOOTING**

### STEP 7 INSTALL LABELS

7a. Install age appropriate labels per "Placement of Age Appropriate Labels" located in Installations 101 in Installation Manual.

### FINAL STEP

Proceed with **Final Assembly installation** located behind *Installations 101* in Installation Manual. Assemble swing chains and seats per separate instructions.

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers****(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay**

<b>5" 2 SEAT ARCH SWING W/AW LT0943</b>		
CODE	DESCRIPTION	QTY
929414*	FRAME -5.00" STEEL ARCH SWING ( for inground)	2
929426*	FRAME-5.00" STEEL ARCH SWING (SM) (for surface mount)	
929418*	TOP RAIL-3.5"OD X 126.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	2
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

<b>5" 2 SEAT ARCH SWING ADD-A-BAY W/AW LT0945</b>		
CODE	DESCRIPTION	QTY
929415*	FRAME - 5.00" STEEL ARCH SWING (ADD BAY) (for inground)	1
929427*	FRAME-5.00" STEEL ARCH SWING (ADD BAY)SM (for surface mount)	
929418*	TOP RAIL-3.5"OD X 126.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	2
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

<i>5" 1 SEAT ARCH SWING W/AW LT0947</i>		
CODE	DESCRIPTION	QTY
929414*	FRAME - 5.00" STEEL ARCH SWING (for inground)	2
929426*	FRAME-5.00" STEEL ARCH SWING (SM) (for surface mount)	
929419*	TOP RAIL-3.5"OD X 79.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	1
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

<i>5" 1 SEAT ARCH SWING ADD-A-BAY W/AW LT0949</i>		
CODE	DESCRIPTION	QTY
929415*	FRAME - 5.00" STEEL ARCH SWING (ADD BAY) (for inground)	1
929427*	FRAME-5.00" STEEL ARCH SWING (ADD BAY)SM (for surface mount)	
929419*	TOP RAIL-3.5"OD X 79.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	1
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers****(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay*****PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422 994825***

CODE	DESCRIPTION	QTY
102422	ANTI WRAP SWING HANGER 3 1/2" TOP RAIL	2
104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

***PC F/ARCH SWING 928468***

CODE	DESCRIPTION	QTY
HW928468-1	HRDW PKG ARCH SWINGS S1/1	1
200142931	ROD THREADED M8 X 75MM-PARTS ROOM	4

***HRDW PKG ARCH SWINGS S1/1 HW928468-1***

CODE	DESCRIPTION	QTY
200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	8
104478	BIT T-50 FOR 7/16 6-LOBE BHD BOLT	1
104480	BIT 6 LOBE T-45 FOR 3/8 BOLTS	1

***PC F/BD ARCH SWINGS 928469***

200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	16

***HDWR BAG OF LABELS F/5-12 FS PPLT 925105***

CODE	DESCRIPTION	QTY
200182847	LABEL ID/AGE 5-12	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200104307	LABEL AGE APP. (5 TO 12 YRS.) LT	1
116099	LABEL, PLAY SMART RULES	1



Project Number: R0324240161

PlayArea: PlayArea\_2 | KidBuilders

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

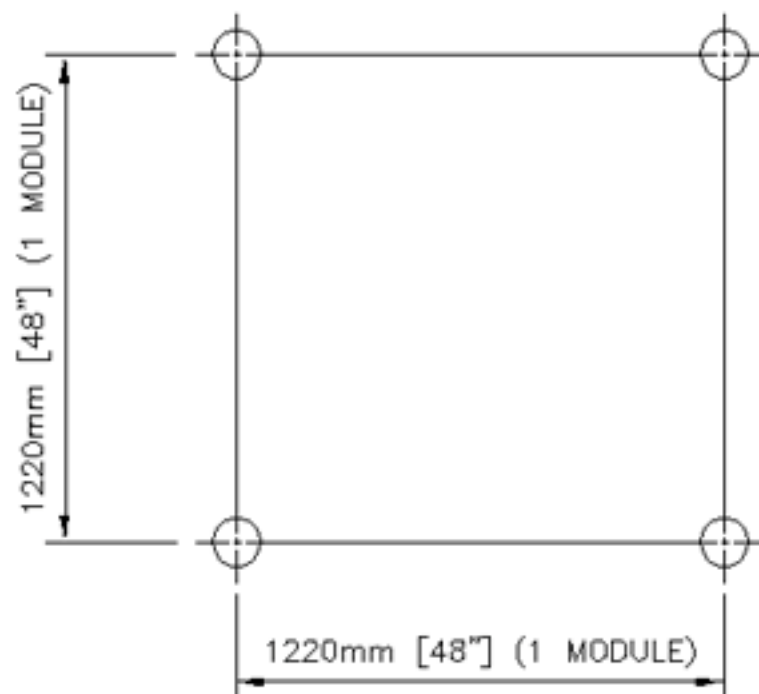
## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

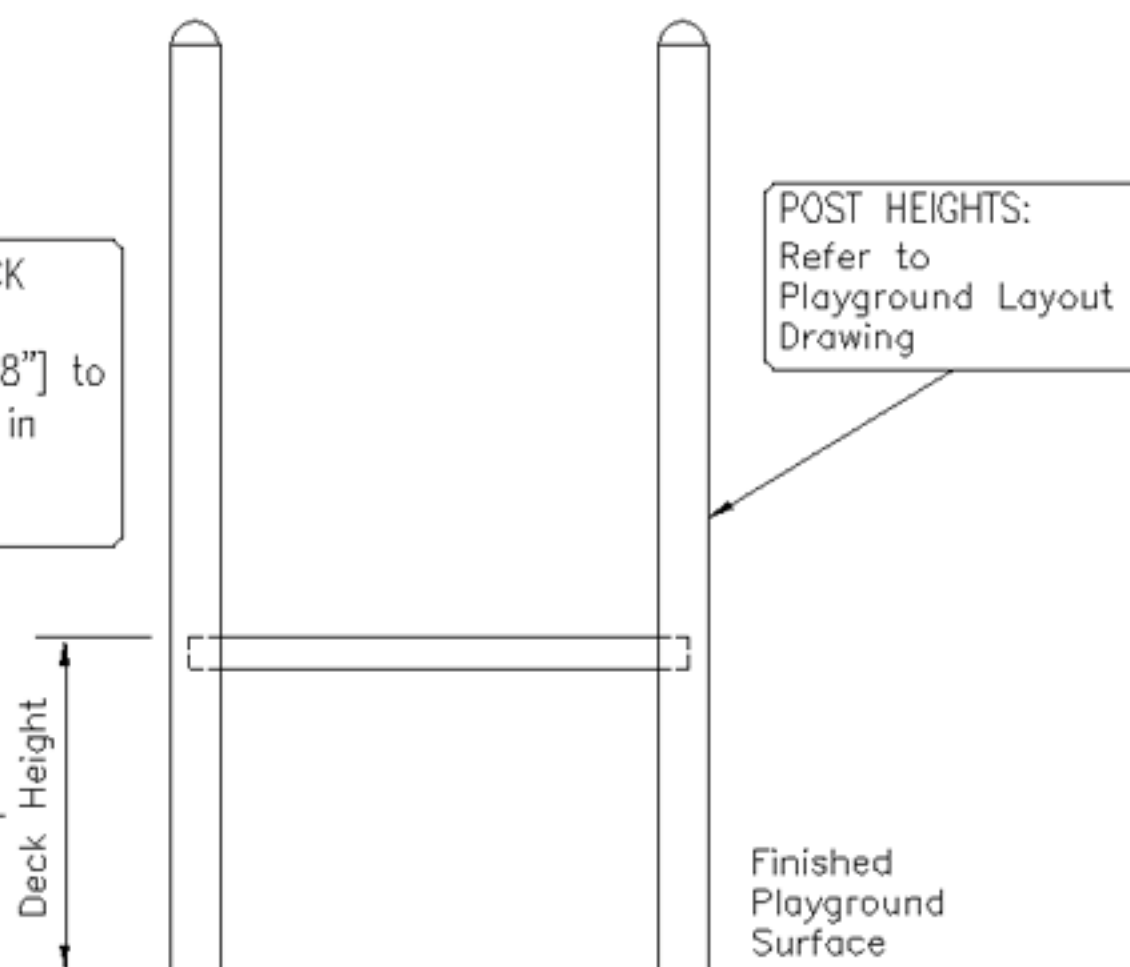
Date: 5/13/2024 12:00:00 AM



Posts and decks of the Kid Builders system are based on a module of 1220mm [48"] x 1220mm [48"]



**STANDARD DECK HEIGHTS:**  
From 203mm[8"] to 2440mm[96"] in 203mm[8"] increments.



**NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS**

BEFORE STARTING INSTALLATION OF YOUR KID BUILDERS PLAYGROUND, "PLEASE READ INSTRUCTIONS THOROUGHLY"

AUTHORIZED BY:  
*Chris M. MacLennan* 15MAR01

## SITE REQUIREMENTS:

The Kid Builder system is designed to suit a level site. Should there be any falls or slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

## MAINTENANCE:

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm[3.5"] to 228.6mm [9"], or string entanglements. Make certain the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

**ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.**

## SAFETY AREAS:

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

## INSTALLATION MANUAL:

We have tried to make this installation manual as comprehensive and factual as possible. Please note from time to time information may be changed or updated. Equipment shown or described throughout this manual may be changed. The right is reserved to make changes at any time without notice.



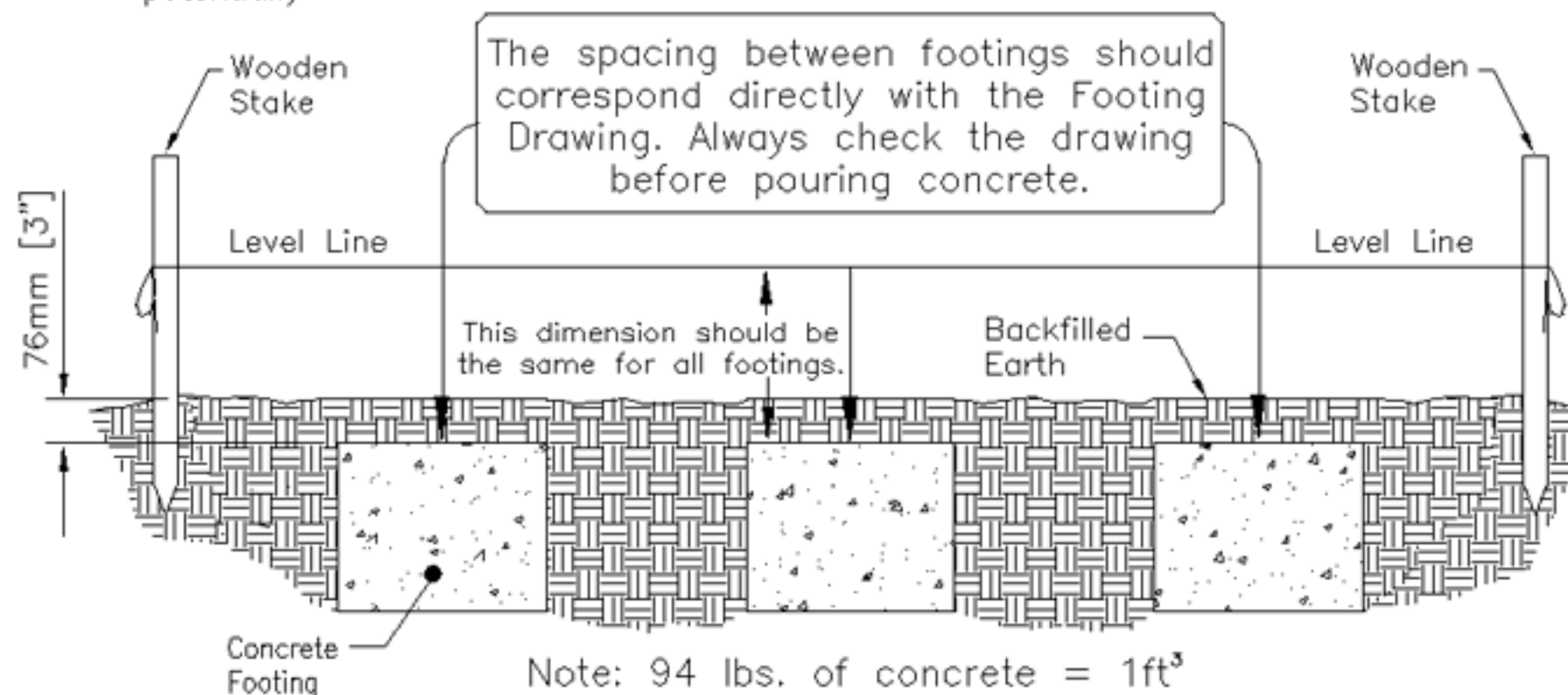
## THE ORDER OF ASSEMBLY:

- 1) Prepare your site. (Consideration is necessary for installing the talk tube on a structure. See Site Preparation Guidelines, or Talk Tube instructions for details.)
- 2) If you are using an Anchor bolt, you will need to pour concrete at least 48 hours in advance. Do not leave any open holes overnight. (Never leave a structure overnight in a potentially hazardous condition, i.e. open footing holes, open decks, exposed concrete, without roping off the area and posting warning signs. It is always best if the construction is scheduled such that the entire installation can be performed in one day, however, with larger structures this may be difficult.)
- 3) Start with the lowest deck and four posts. Calculate the location of the deck top on the first post by adding 991 [39"] to the deck height. Mark the post then install as shown. (See Square Deck installation instructions for further details. THE INSTALLATION OF THE FIRST DECK IS CRITICAL TO PROPERLY INSTALLING THIS EQUIPMENT, SO MAKE SURE THE POSTS AND DECK ARE AT THE PROPER HEIGHT AND ARE PLUMB AND LEVEL.
- 4) Place this assembly in the footings. If you are sure the first deck assembly is correctly positioned, you may pour the four post footings at this time to help stabilize the structure. If installing the Surface Mount method, move the assembly to the proper location. Use the feet as templates, drill bolt holes and secure the structure to the footings.
- 5) If a Deck to Deck Plate, Ladder Panel, or Interstep Deck are to be attached to the first deck, assemble the bottom edge to the deck edge. See individual instructions for details.
- 6) Attach the next deck to two posts and move the posts into the footing holes and level the deck. Attach the two open corners of the deck to the previous deck assembly posts. Finish installing the deck to deck attachment by assembling it to the edge of the upper deck.
- 7) Attach any structure linking events or overheads to the deck assemblies, such as Crawl Tunnels, Clatter Bridges, Burmese Bridges, Suspension Bridges, Challenge Ladders, etc. Continue to add the remaining decks and deck attachments to the existing structure until all platforms are in place.
- 8) Make sure the structure is level and the decks are at the proper height. Install any roofs or enclosures.
- 9) Install all remaining events.
- 10) Tighten all hardware and install clamp drive pins. Be sure to use as many as the instructions call out.
- 11) Place warning labels on the structure. Inspect playground for protruding hardware, entrapment gaps between 89mm [3-1/2"] to 229mm [9"], and string entanglements. Make sure the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible exposed bolt ends that protrude beyond the face of the nut more than two threads should be trimmed and peened by the installer.
- 12) Install resilient surfacing on the entire "use zone".

## MAKING LEVEL FOOTINGS:

By using wooden stakes and stringing a level line, you can determine the proper height for your concrete. If available, a surveyor's transit will also be helpful.

Determine ground level at the lowest footing location and pour concrete in this location first. This level will be your datum plane. (The point at which all other footing heights are referenced from.) Pour the rest of the footings up to 76mm[3"] from the level of the datum plane. Make sure that all measurements from the top of the poured footing to the level line are the same. (Hint: If installing a surface mount structure, concrete should be poured at least 48 hours in advance of the playground being installed to ensure maximum holding potential.)



Note: 94 lbs. of concrete = 1ft<sup>3</sup>  
207 grams = 0.041m<sup>3</sup>

If installing with the Inground method, you must always backfill footings with at least 76mm[3"] of earth after concrete has cured (not shown).

## SUGGESTED TOOLS:

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| - 2 Magnetic Levels                   | - Extension Cords                |
| - 1 1220[48"] Carpenter's Level       | - Water Supply/Garden Hose       |
| - 2 Measuring Tapes                   | - Wooden Stakes                  |
| - 1 Felt Tip Pen                      | - Concrete (in some cases)       |
| - 1 Sledge Hammer or Rubber Mallet    | - Some sort of digging equipment |
| - 1 610mm-915mm [24"-36"] Bolt Cutter | - Transit                        |
| - 1 Roll of String                    | - Adjustable Wrenches            |
| - Ratchets for M10 Torx Service Drive | - Metric Socket Set              |
| - Electric Drill                      | - Various Drill Bits             |
| - C-Clamps                            | - Wheel Barrow                   |
| - Saw Horses                          | - Ladders                        |
| - Resilient Ground Cover              | - Generator/ Power Source        |





## WARNING

INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS.

L'INSTALLATION SUR SURFACE DURE TELLE QUE DU CIMENT, DE L'ASPHALTE OU DE LA TERRE BATTUE PEUT CAUSER DE SERIEUSES BLESSURES OU MEME LA MORT EN CAS DE CHUTE.

INSTALACION SOBRE UNA SUPERFICIE DURA, TAL COMO CONCRETO, ASFALTO O TERRENO COMPACTADO, PUEDE PROVOCAR QUE UNA CAIDA CAUSE LESIONES SERIAS O INCLUSO LA MUERTE.

Little Tikes Commercial Play Systems Inc.  
P.O. Box 897  
Farmington, MO 63640

For more information, call Little Tikes  
Commercial Play Systems Inc.  
at 1-888-458-2737 or 1-573-756-4591

← This label has been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the safety risk involved if a fall onto a hard surface occurs.

It is important when installing your play equipment to display this label in a prominent location on each structure.

This label should be placed such that it will:

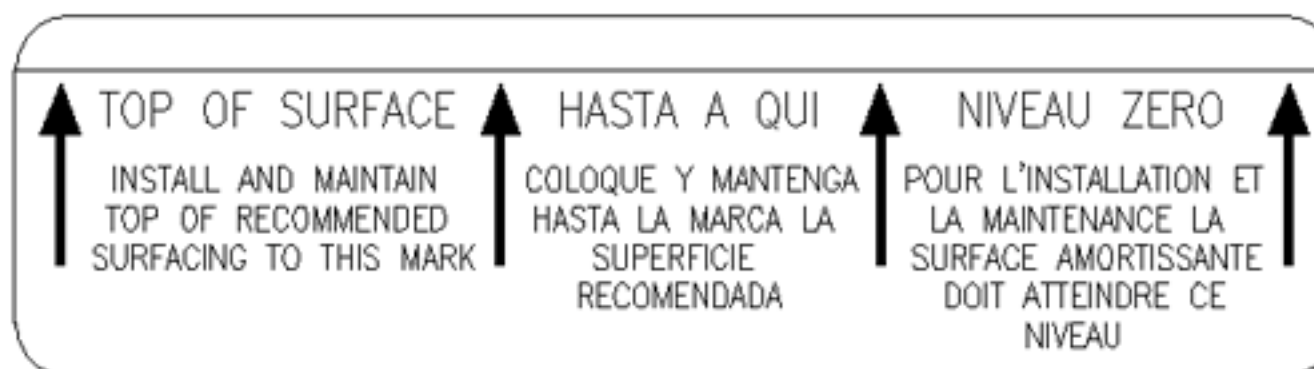
- (1) Be readily visible to the intended viewer and,
- (2) Alert the viewer to the potential hazard in time to take appropriate action.

Do not place this label in a high traffic area or in a location of excessive wear. If the label becomes illegible, destroyed, or removed, it is necessary for the operator to replace the label as soon as possible.

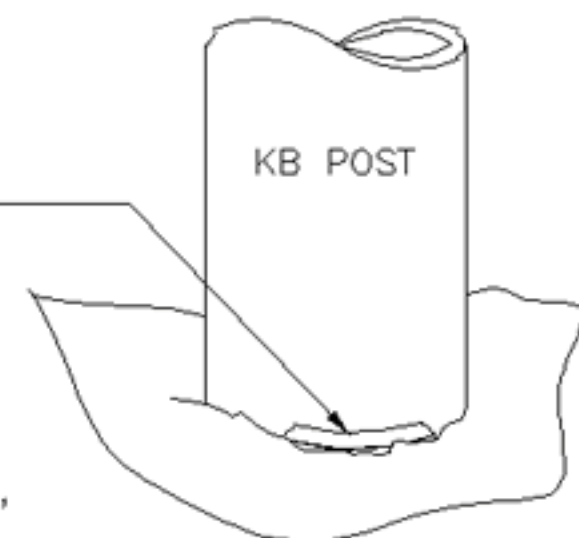
## SLIDE INSTALLATION:

Due to manufacturing variability, the actual slide footing dimensions may vary from the installation instruction dimensions by as much as 50mm [2"]. Actual footing locations should be determined by positioning assembled equipment.

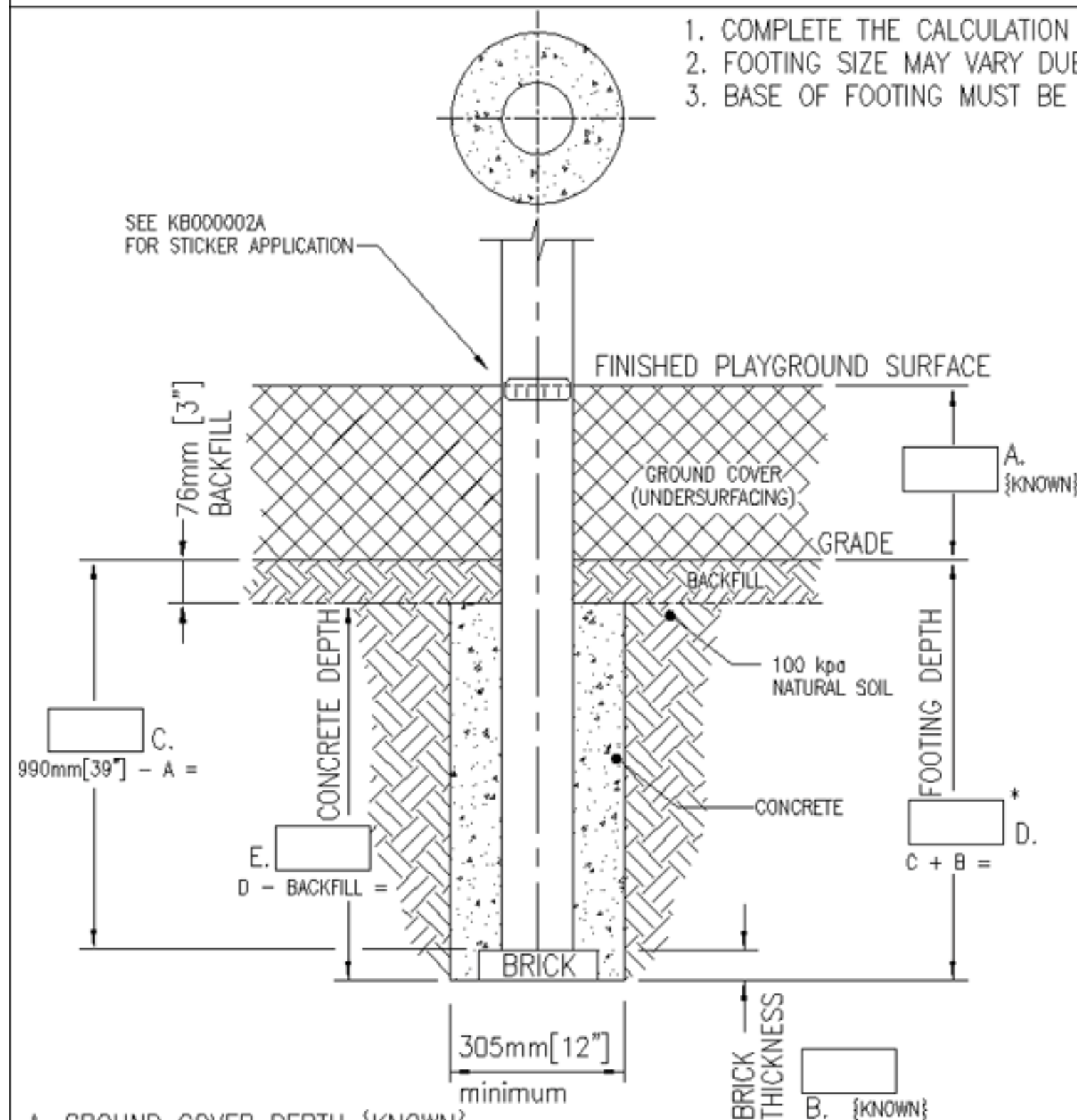
If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.



The sticker shown here has been provided to assist with the maintenance of your ground cover. After installing the ground cover, these stickers should be placed on the post by the installer (as shown). Peel the backing away from the sticker and attach it to the post so that the line is level with the top of your ground cover. As erosion or compaction of surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing.

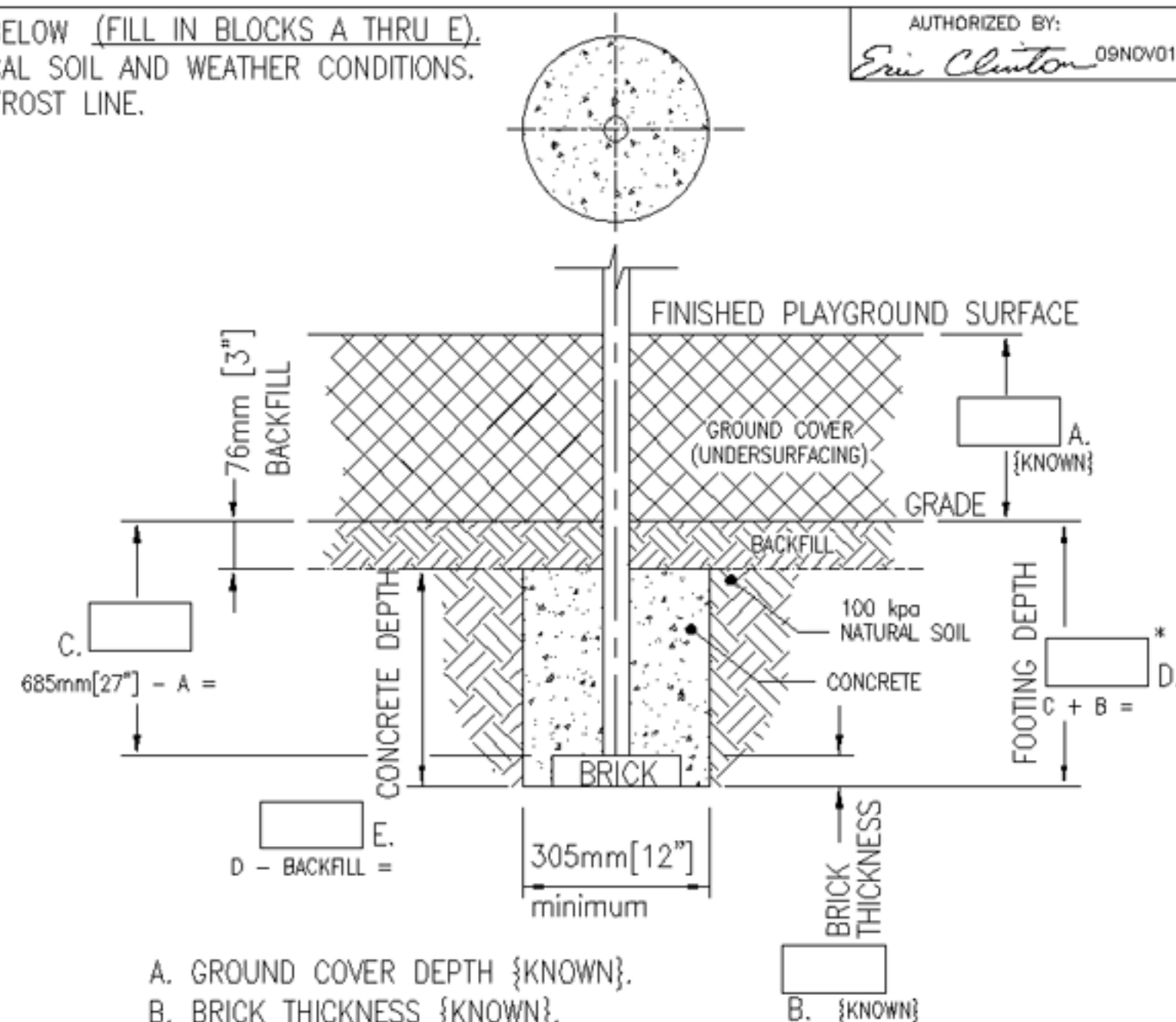


1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

SEE KB000002A  
FOR STICKER APPLICATION


- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C.  $990\text{mm}[39"] - A$  BECAUSE  $A + C$  SHOULD ALWAYS EQUAL  $990\text{mm}[39"]$
- D. FOOTING DEPTH =  $[C] + \text{BRICK THICKNESS}$ .
- \*MINIMUM  $610\text{mm}[24"] + \text{BRICK THICKNESS}$  FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH  $[D] - 76\text{mm}[3"]$  (BACKFILL).

## KB POST FOOTING - INGROUND



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C.  $685\text{mm}[27"] - A$
- BECAUSE  $A + C$  SHOULD ALWAYS EQUAL  $685\text{mm}[27"]$
- D. FOOTING DEPTH =  $[C] + \text{BRICK THICKNESS}$ .
- \*MINIMUM  $305\text{mm}[12"] + \text{BRICK THICKNESS}$  FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH  $[D] - 76\text{mm}[3"]$  (BACKFILL).

## KB PLAYEVENT FOOTING - INGROUND

### HOW MUCH CONCRETE?

#### VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

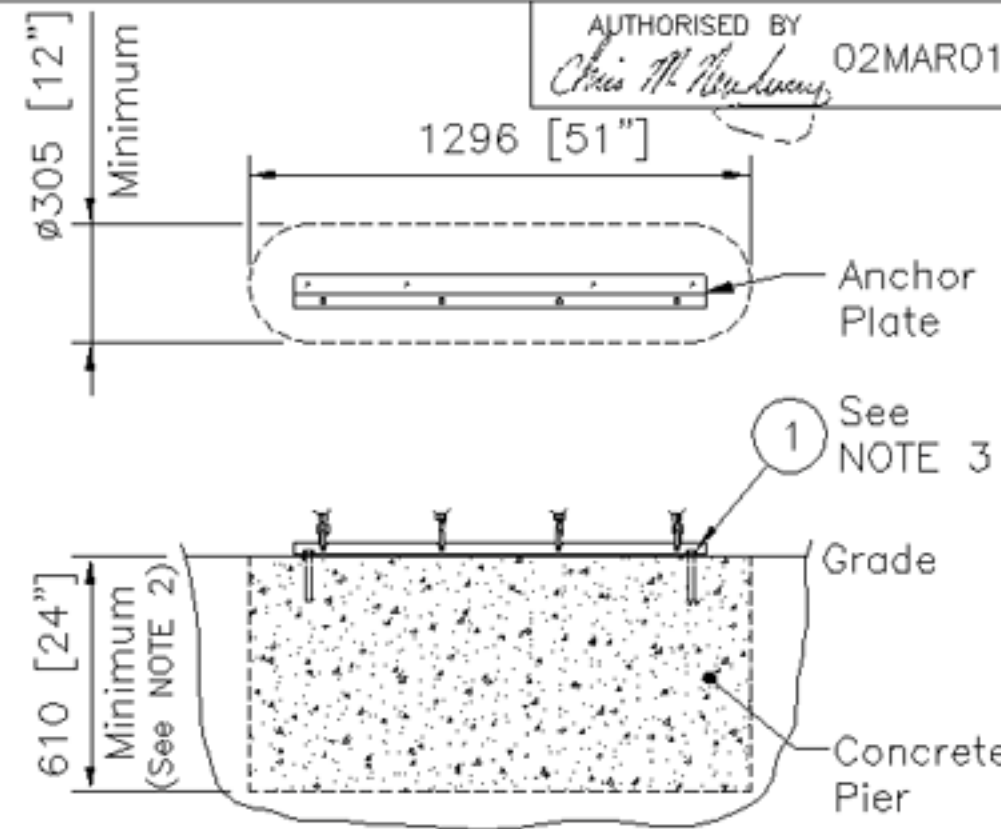
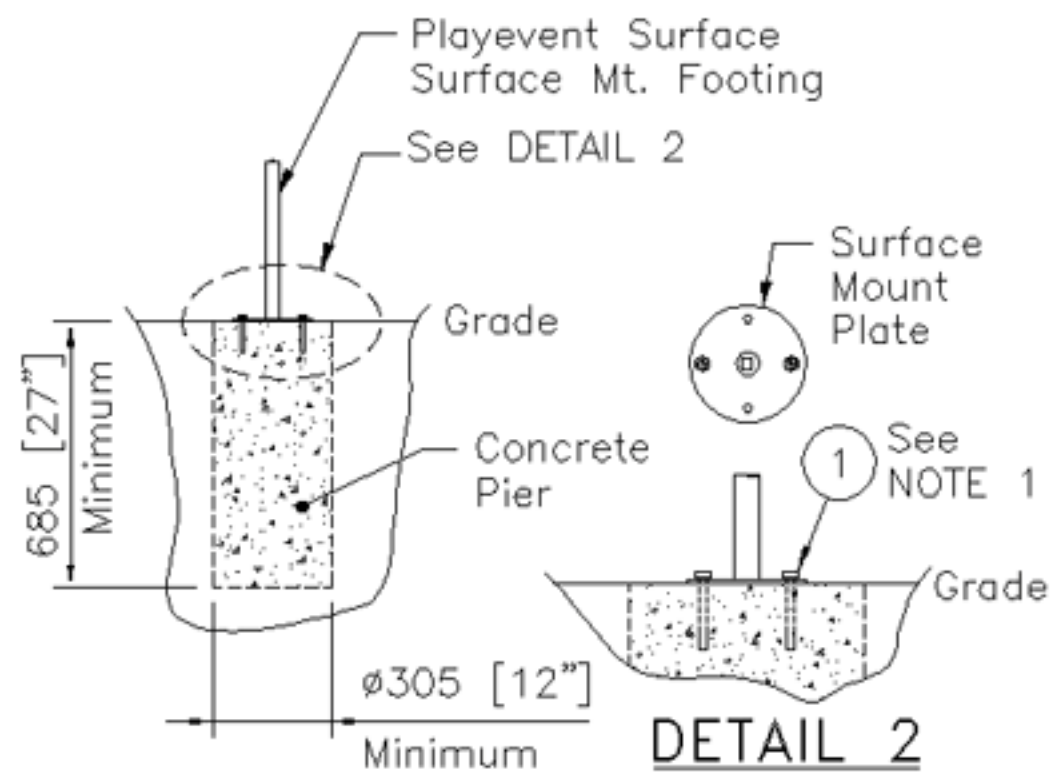
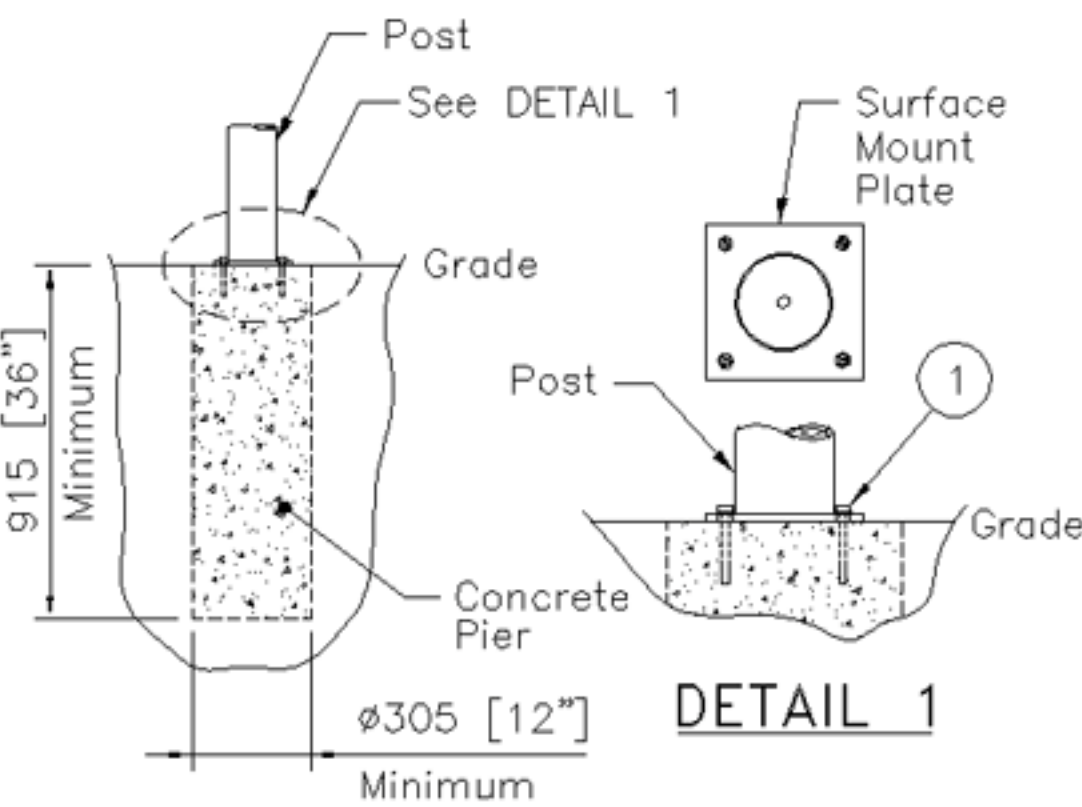
$$= 0.067 \text{ M}^3 \times \frac{\text{CONCRETE DEPTH (mm)}}{915} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \frac{\text{CONCRETE DEPTH (IN)}}{36} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.



**OPTION 1: PIER**



NOTE 1: Two per plate, diagonally located.

NOTE 2: Depth is less than round anchor because of extra volume of concrete.  
NOTE 3: Anchor bolts shown on ends, but can be moved to other holes if necessary for accessibility.

**Round Anchor**

**Anchor Plate**

Post Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4

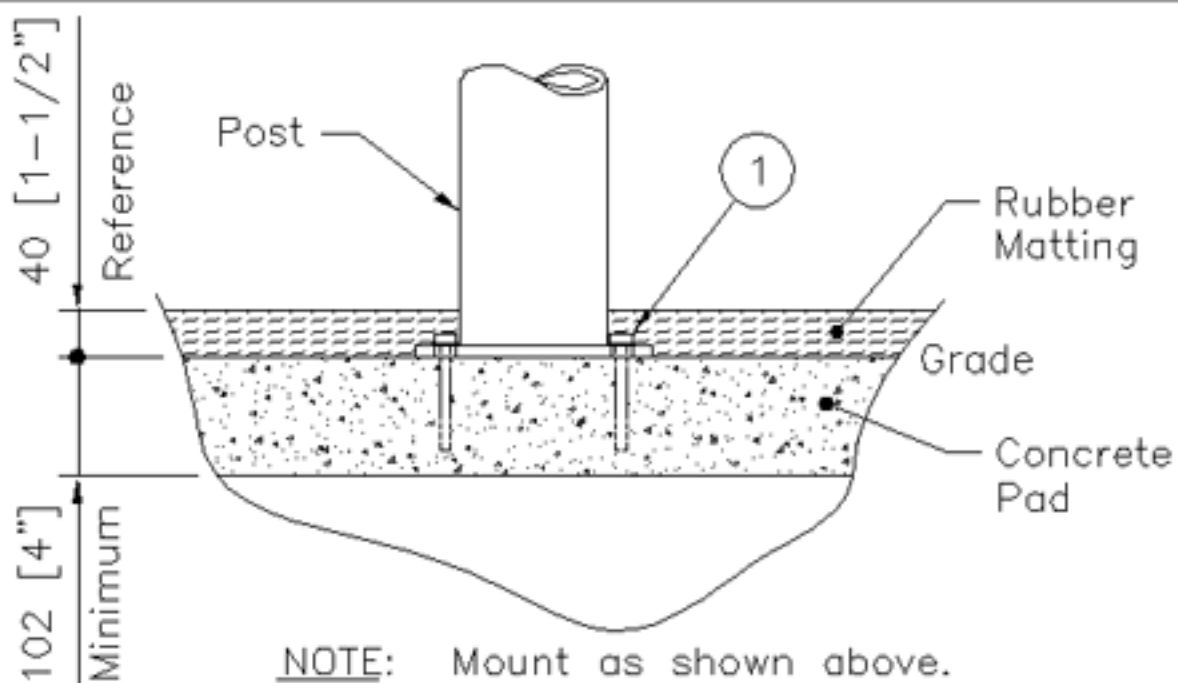
**Post Footing**

Playevent Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

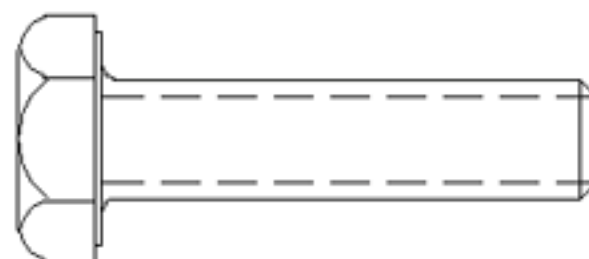
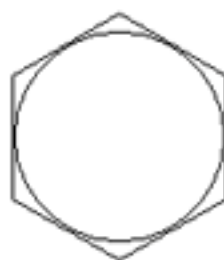
**Playevent Footing**

**OPTION 2: CONCRETE PAD**

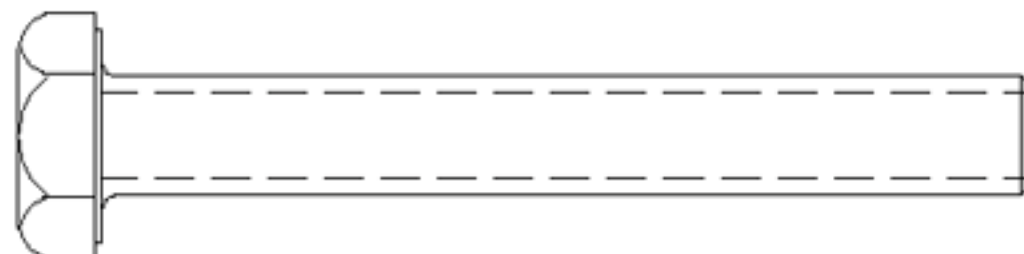
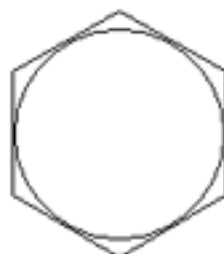
NOTE 4: Concrete may require up to 3 days to cure.  
NOTE 5: A 3/8" Masonry bit is required to install anchor bolts.



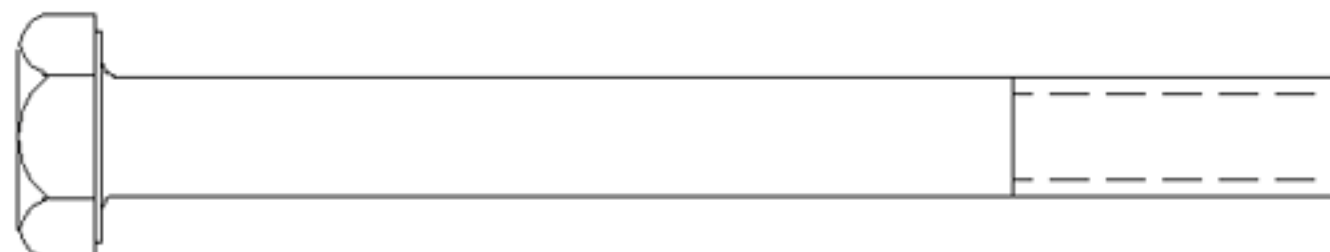
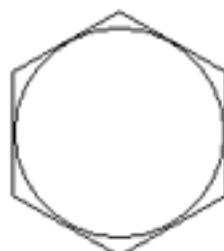
200001850  
CAP SCREW HEX HEAD M10 x 1.50 x 40mm



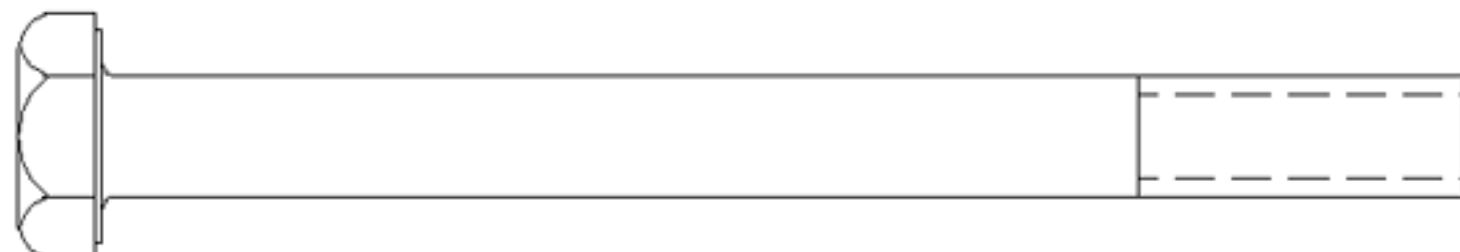
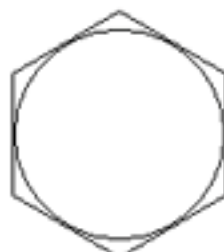
200001859  
CAP SCREW HEX HEAD M10 x 1.50 x 75mm



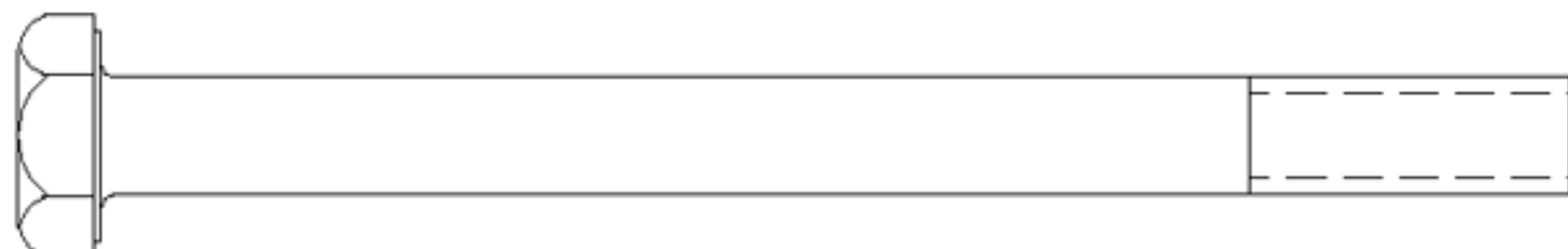
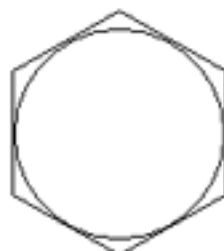
200001866  
CAP SCREW HEX HEAD M10 x 1.50 x 100mm



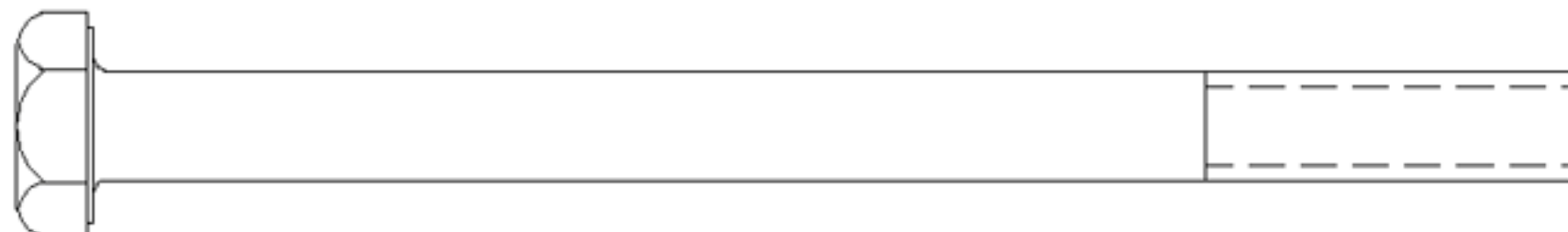
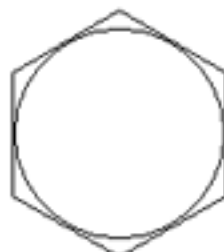
200001875  
CAP SCREW HEX HEAD M10 x 1.50 x 110mm



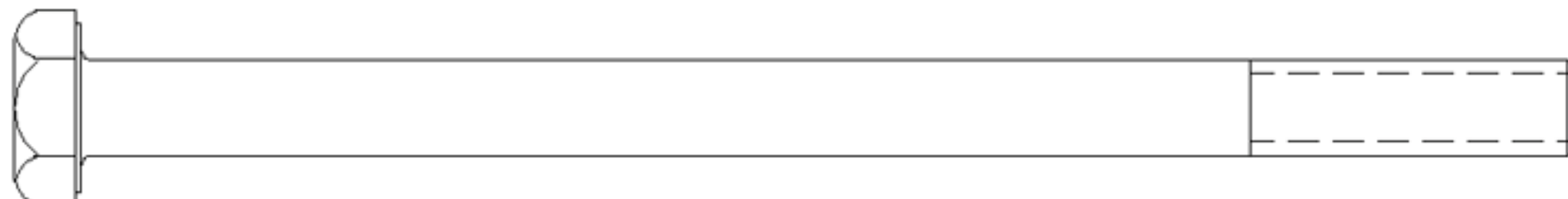
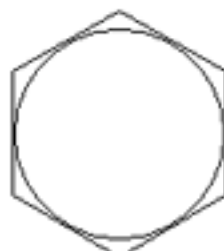
200001879  
CAP SCREW HEX HEAD M10 x 1.50 x 120mm

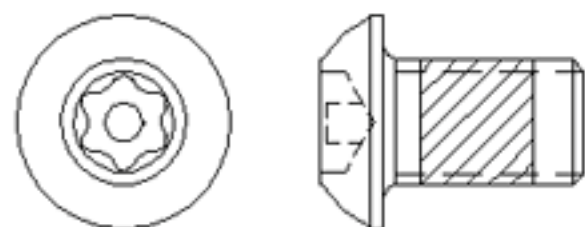


200001883  
CAP SCREW HEX HEAD M10 x 1.50 x 130mm



200000792  
CAP SCREW HEX HEAD M10 x 1.50 x 150mm

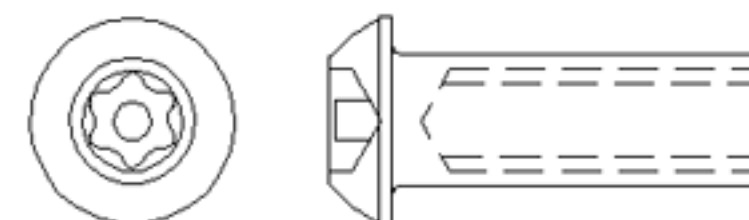




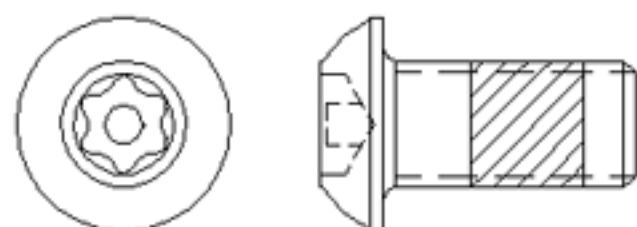
200002010  
SCREW MACH BUTTONHEAD M10 x 1.50 x 16mm



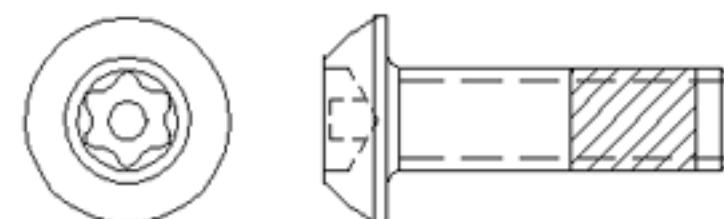
200002150  
SCREW MACH BUTTONHEAD M10 x 1.50 x 55mm



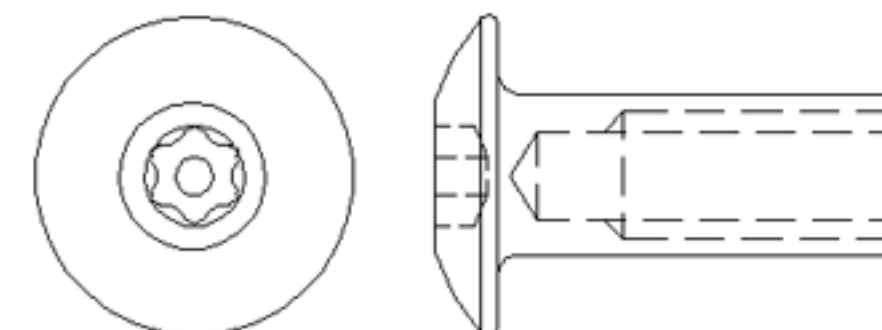
200002145  
BOLT M8 x 1.25 FEMALE 10.3 x 30mm



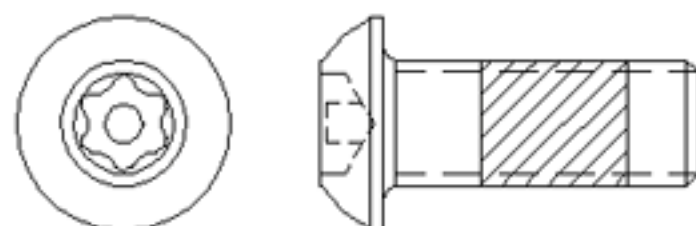
200002014  
SCREW MACH BUTTONHEAD M10 x 1.50 x 20mm



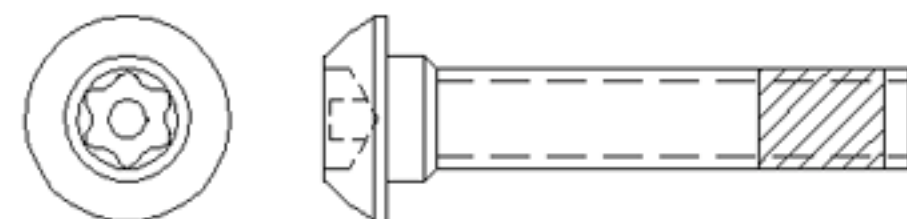
200002133  
BOLT M8 x 1.25 MALE 27.5mm



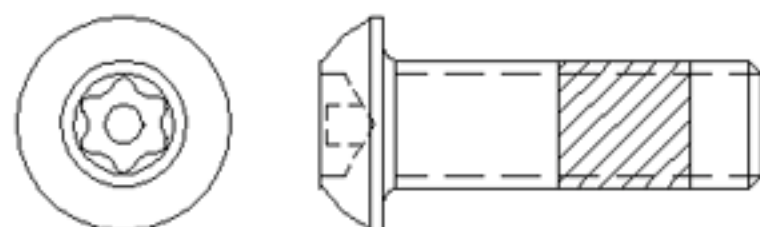
200001954  
BARREL NUT M10 X 1.50 (12.70 DIA x 32mm)



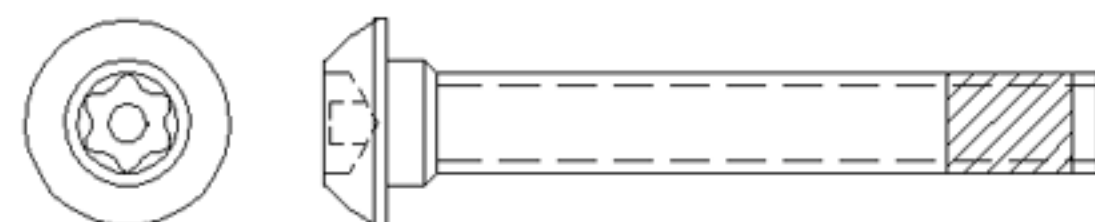
200002018  
SCREW MACH BUTTONHEAD M10 x 1.50 x 25mm



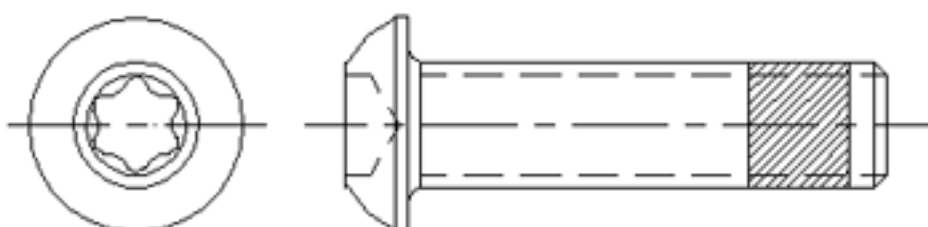
200002138  
BOLT M8 x 1.25 MALE 42.5mm



200002030  
SCREW MACH BUTTONHEAD M10 x 1.50 x 30mm

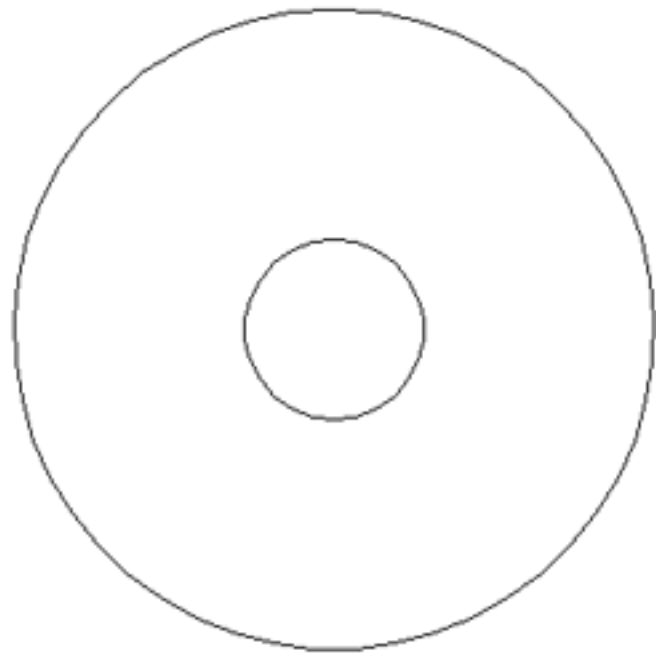


200002142  
BOLT M8 x 1.25 MALE 57.5mm

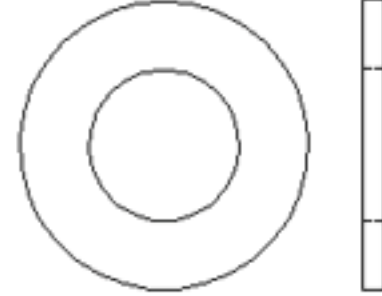


200097726  
SCREW MACH BUTTONHEAD M10 x 1.50 x 38mm

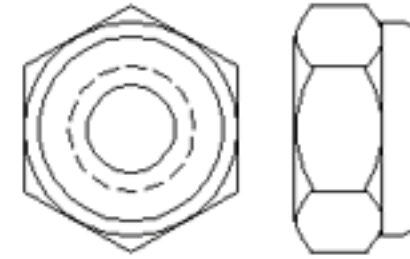




200002079  
WASHER FLAT M11 23 x 12 X 1.6mm



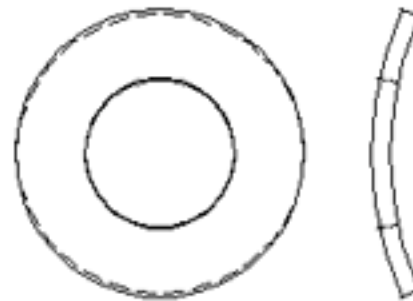
200001945  
NUT LOCK HEX NYLON INSERTED M10 x 1.5



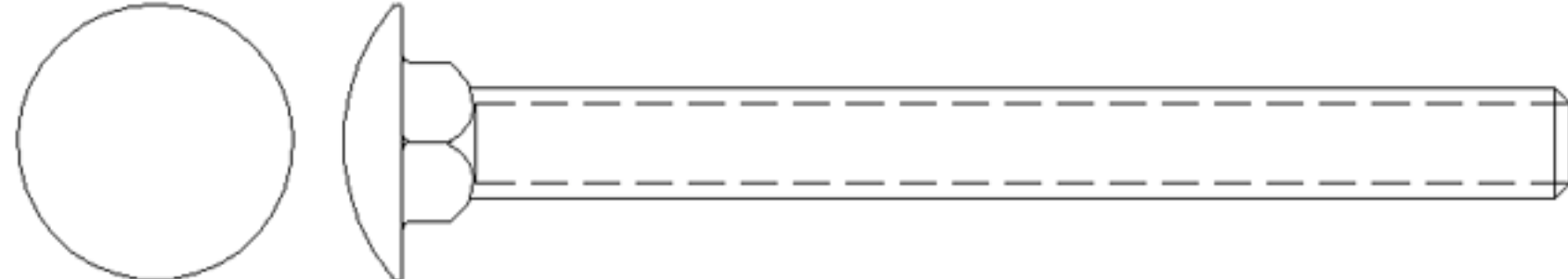
200002002  
SCREW DRILL HEX HEAD M6 .3 x 1.81 x 65mm



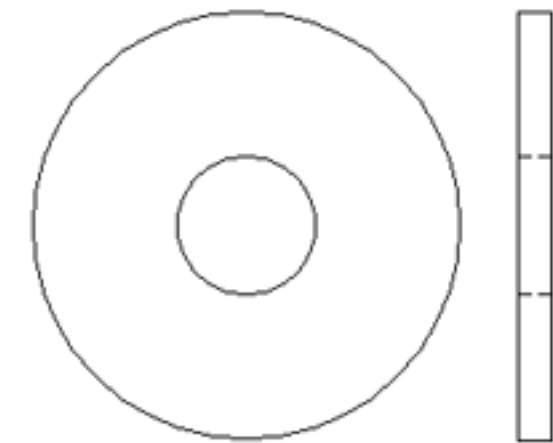
200008483  
WASHER BOWED M11 23.5 x 11.7 x 1.57 mm



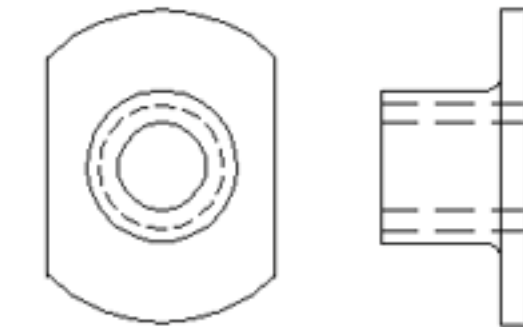
200001810  
BOLT CARRIAGE M10 x 1.50 x 100mm



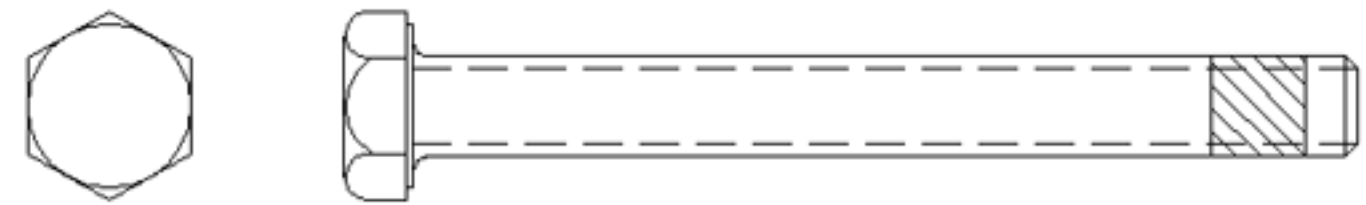
200002113  
WASHER FLAT M12 (51 x 14.5 x 2mm)



200001966  
T-NUT SLAB BASE M10 x 1.50 x 9.5mm



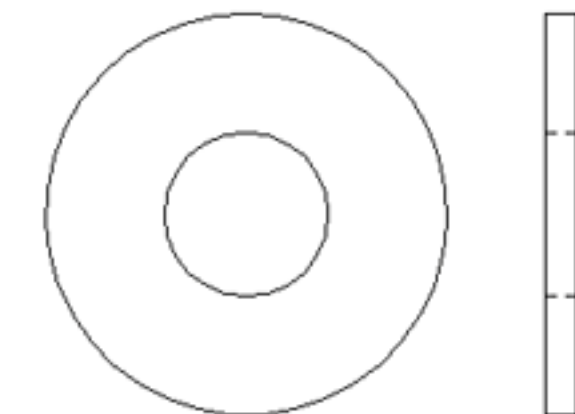
200001826  
CAP SCREW HEX HEAD M8 X 1.25 X 75mm



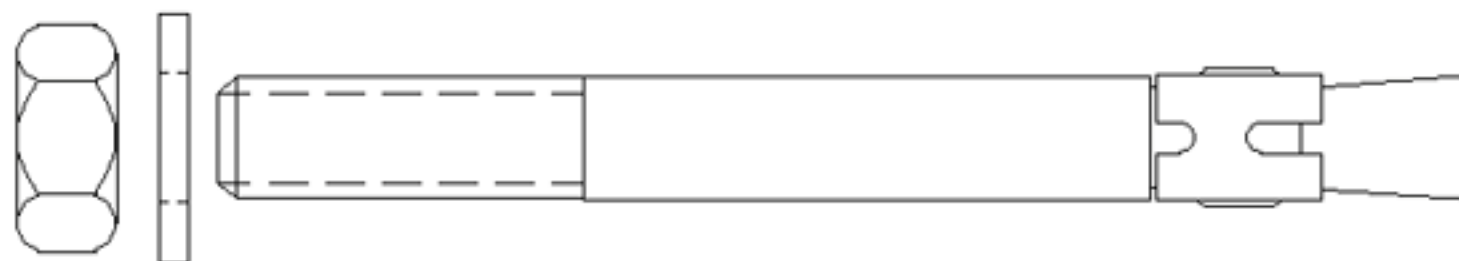
200002096  
WASHER FLAT M10 34OD x 11ID x 3 mm THK



200001986  
SCREW U-DRIVE ROUND HEAD M5 x 16mm



200001776  
ANCHOR CONCRETE WEDGE M10 x 1.5 x 100mm



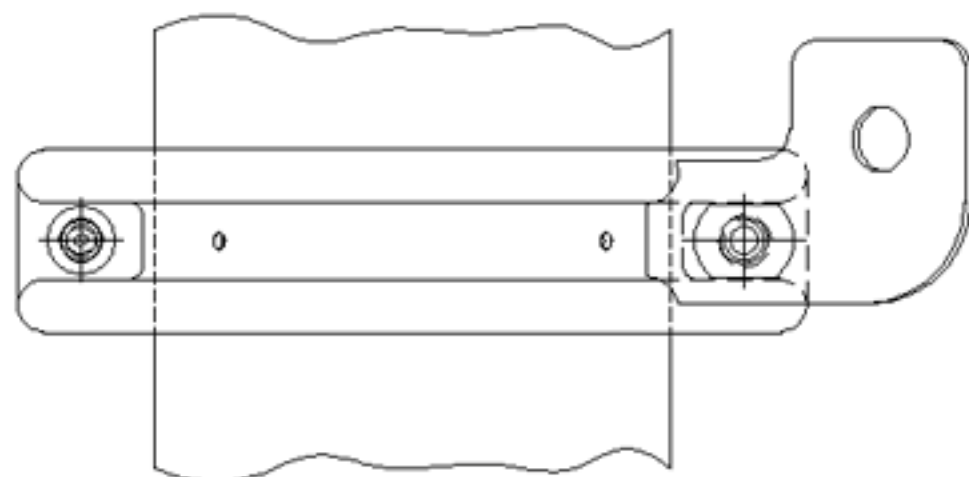
200001934  
NUT LOCK HEX NYLON INSERTED M8 x 1.25



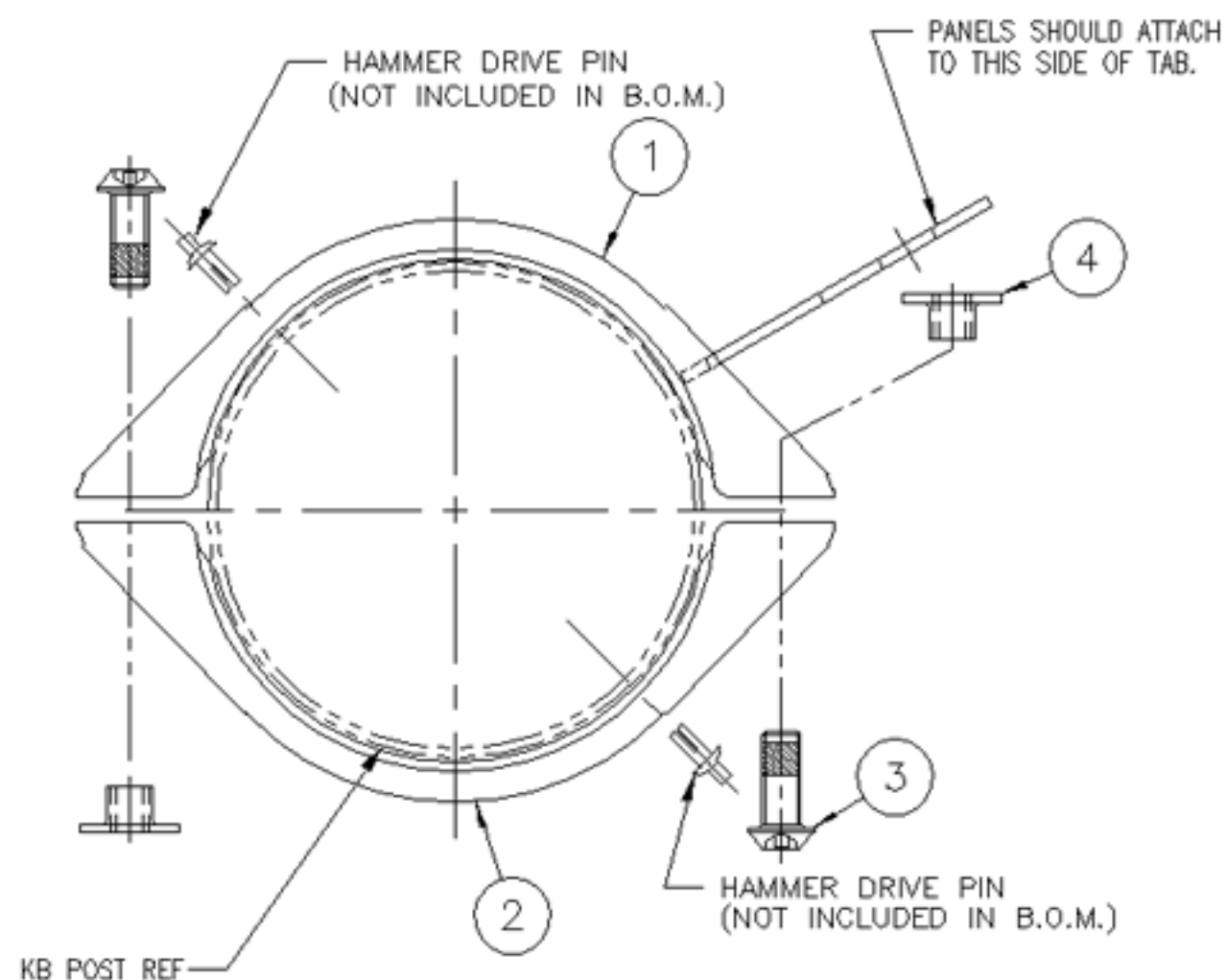
200002100  
WASHER FLAT M11 32OD x 13ID x 2 mm THK



## CLAMP HI-LO TAB F/KB



**NOTE:**  
TAB WILL BE DIRECTED  
UP (AS SHOWN) ON ONE  
SIDE OF THE PANEL AND  
DOWN ON THE OTHER  
SIDE OF THE PANEL



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

KB000009A

AUTHORIZED BY:

*Raymond* 03AUG99

## CLAMP HI-LO TAB F/KB

200079200

### CLAMP HI-LO TAB F/KB

Item	Dwg Ref	Description	Qty.
1	-	CLAMP HI-LO TAB F/ KB	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2

#### Application

- FOR USE WHEN HIGH-LOW CLAMP CONFIGURATION IS NEEDED TO ATTACH PANELS.

#### Maintenance

- CHECK ALL HARDWARE
- TOUCH UP ANY MARRED PAINT SURFACE

#### Specifications

##### CLAMP

MATERIAL: STAMPED SHST  
COLOR: AS SELECTED FROM STD. COLOR RANGE.  
FINISH: ELECTROSTATICALLY APPLIED POLYESTER  
DRY POWDER COAT

##### FASTENERS

FINISH: STAINLESS STEEL

#### Installation Instructions

1. POSITION THE CLAMP HALVES AROUND THE POST AND LOOSELY CONNECT HALVES TOGETHER WITH THE HARDWARE SHOWN. CLAMPS SHOULD BE ORIENTED SO THAT PANELS WILL ATTACH TO THE TAB FACE SHOWN IN THE DETAIL.
2. MOVE THE CLAMP ASSEMBLY ALONG THE POST UNTIL IT LINES UP WITH THE LOCATION THAT IT WILL BE CONNECTED TO THE PANEL. COMPLETE THE PANEL CONNECTION AS SPECIFIED IN THE INDIVIDUAL PANEL INSTRUCTION.
3. LEVEL THE CLAMP ASSEMBLY AROUND THE POST AND TIGHTEN CLAMP HARDWARE.
4. AS A LAST STEP IN THE PLAYGROUND INSTALLATION, INSTALL HAMMER DRIVE PINS. LOCATE ONE OF THE EXISTING SMALL HOLES IN A CLAMP HALF. (EITHER HOLE CAN BE USED, USE THE MOST ACCESSIBLE.) THIS WILL BE THE DRILLING SITE FOR THE HAMMER DRIVE PIN. DRILL A 5mm (3/16") DIA. HOLE INTO THE POST. INSERT THE HAMMER DRIVE PIN INTO THE HOLE. TAP THE CENTER CORE PIN INWARD UNTIL IT IS FLUSH WITH THE OUTER PIN SURFACE. BE CAREFUL NOT TO MAR THE PAINTED SURFACES. REPEAT ON THE OTHER CLAMP HALF. HAMMER DRIVE PINS ARE SHIPPED SEPERATELY FROM CLAMP HARDWARE.

## PANEL OR WING CLAMP

ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/TAB F/PANEL MT. ZN	1
-OR-	1	CLAMP HALF W/TAB F/KB WING CLAMP	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2

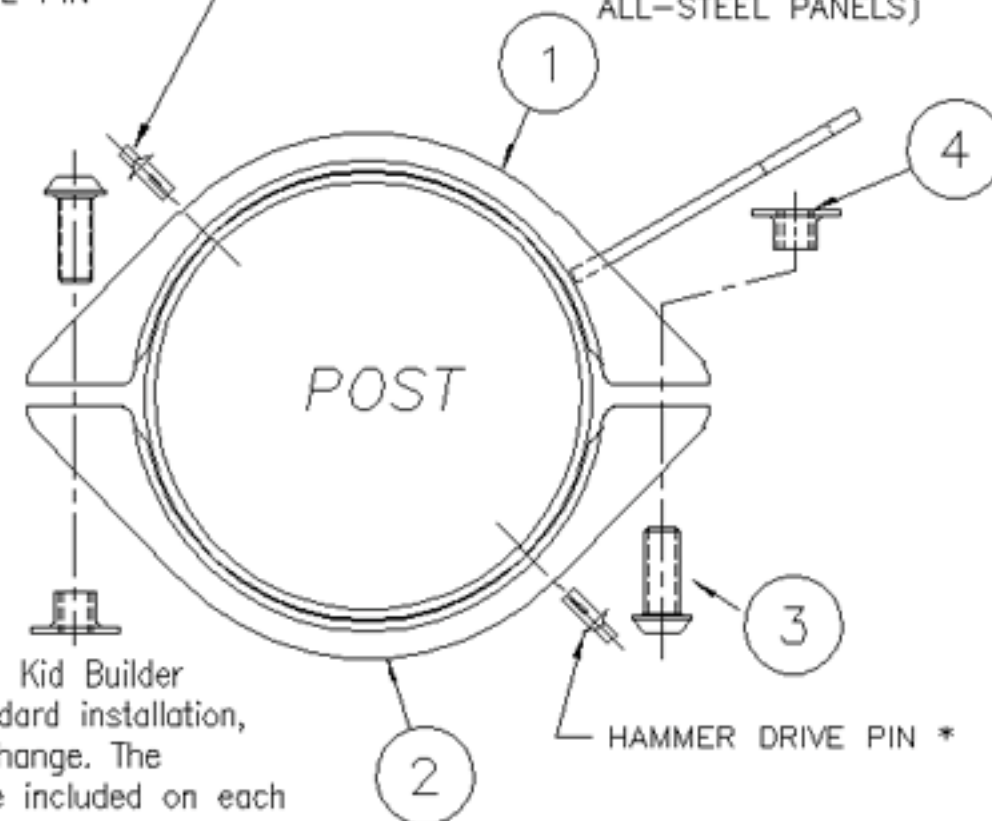


REF: PANEL CLAMP



REF: WING CLAMP  
(TO BE USED ON KB PLUS  
ALL-STEEL PANELS)

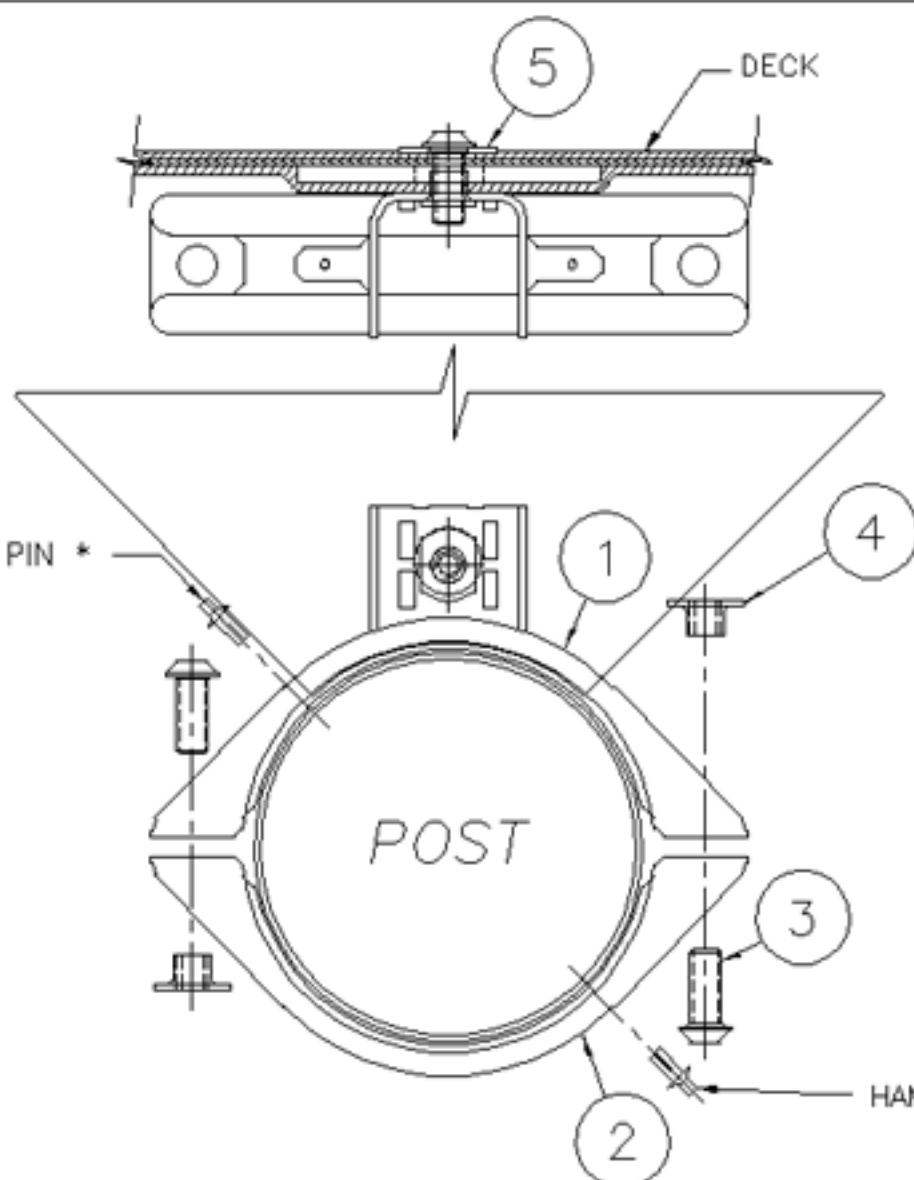
HAMMER DRIVE PIN \*



HAMMER DRIVE PIN \*

## DECK CLAMP

ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/NEW DECK ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	3
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	3
5	200002100	WASHER FLAT M11 320D X 13ID X 2 MM THK	1



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change. The hardware used to attach a Panel Clamp to a panel will be included on each component page.

1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.

2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.

3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.

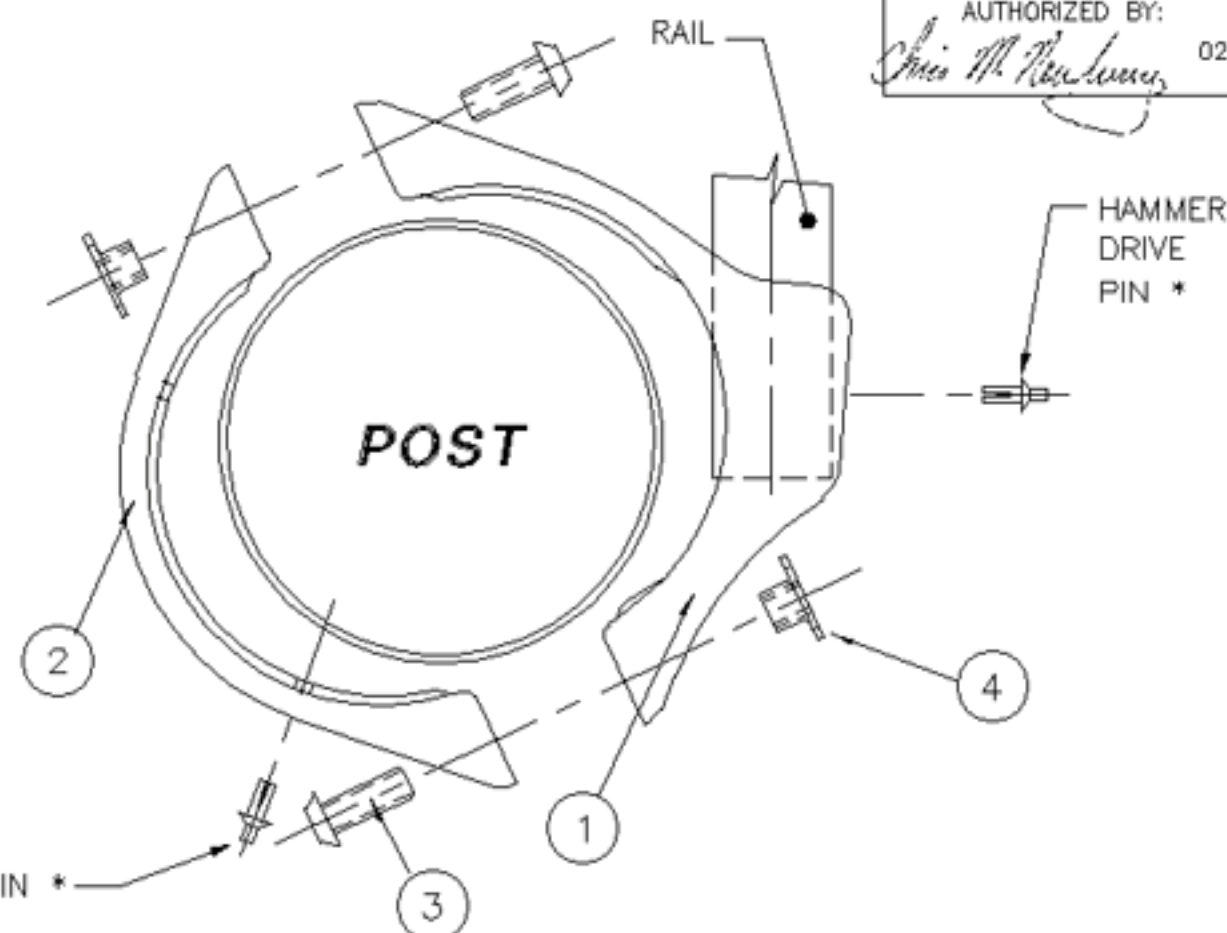


AUTHORIZED BY:  
*Chris M. Newberry*  
02MAR01

The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change.

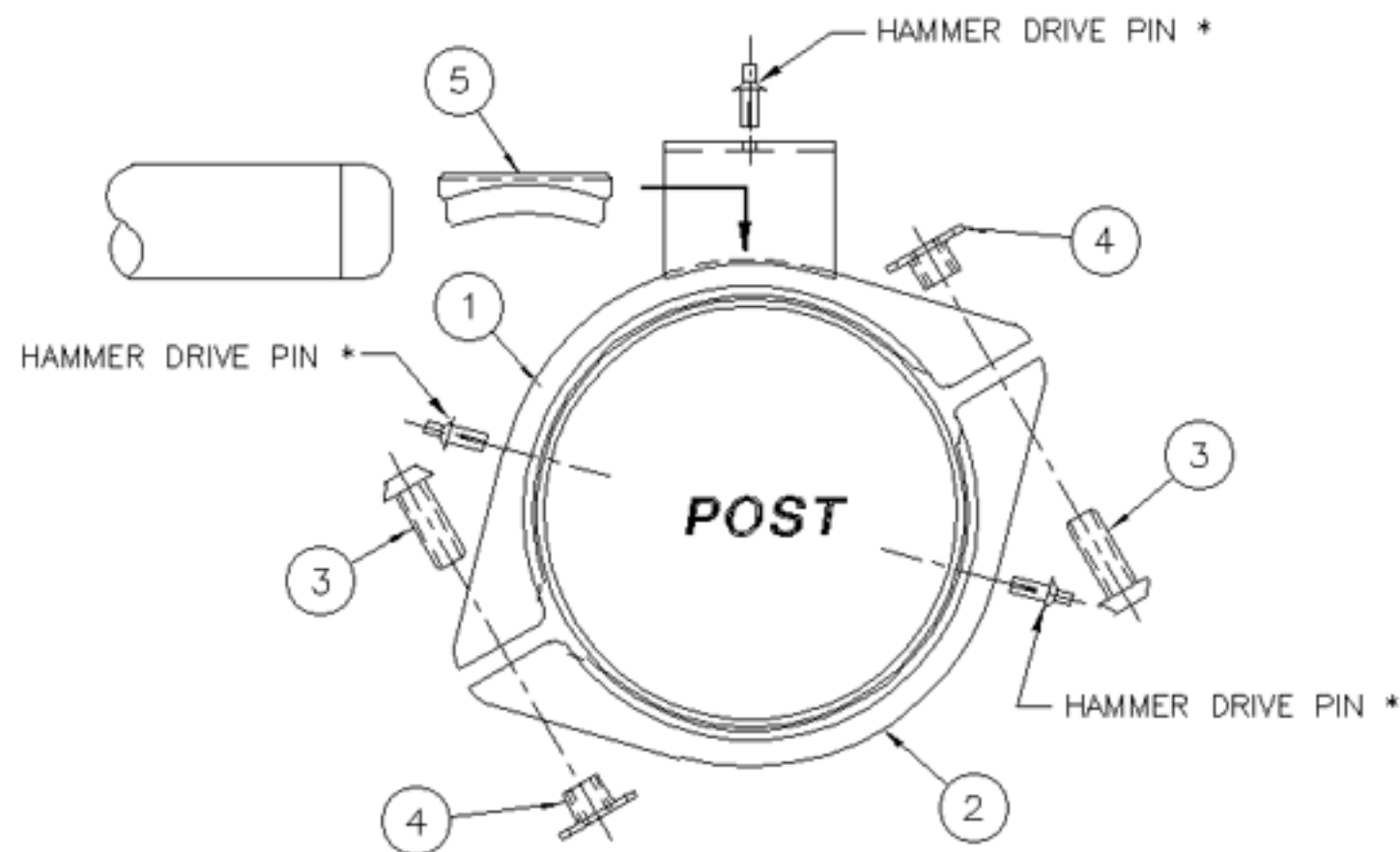
1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.
2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.
3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



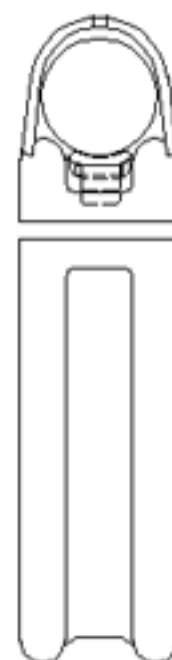
## 30 DEG. RAIL CLAMP W/ WEDGE

ITEM	DRG REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/ATT. F/RAILS ZN 30 DEG.	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25 MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5 MM	2
5	200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	1



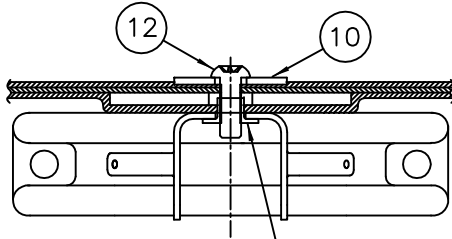
## HOODED RAIL CLAMP

ITEM	DRG. REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/HOODED RAIL ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH. BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2

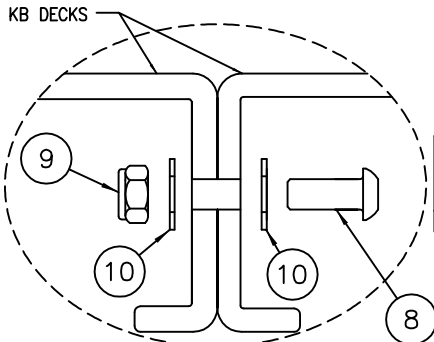
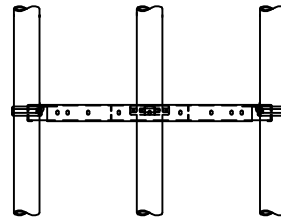
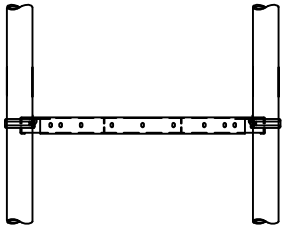
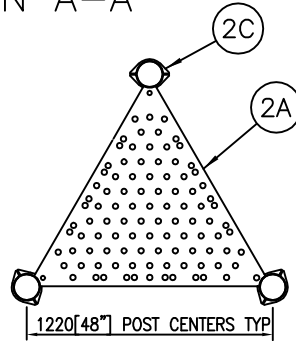
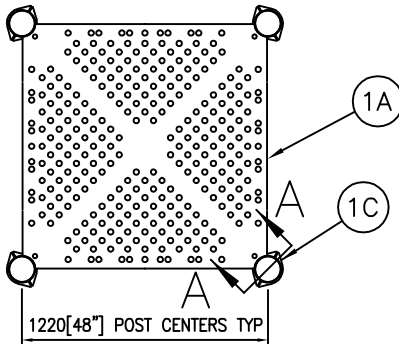


AUTHORIZED BY: 17DEC21

TRACY ARCHER



SECTION A-A



TO INSTALL TWO DECKS AT THE SAME HEIGHT, PLACE THE DECK EDGES TOGETHER AND ASSEMBLE HARDWARE AS SHOWN AT LEFT.

[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

- 200202483 - KB DECK SQUARE LARGE HOLE 11GA
- 200202483CP - KB DECK SQUARE LARGE HOLE 11GA PRIMER
- 200202485 - KB DECK TRIANGLE LARGE HOLE 11GA
- 200202503 - KB DECK SQUARE SMALL HOLE 11GA
- 200202503CP - KB DECK SQUARE SMALL HOLE 11GA PRIMER
- 200202504 - KB DECK TRIANGLE SMALL HOLE 11GA
- 200202504CP - KB DECK TRIANGLE SMALL HOLE 11GA PRIMER

Item	Code	Description	Qty.
1A	910440*	DECK SQUARE KB W/27MM HOLES 11GA	1
1B	910442*	DECK SQUARE KB SMALL HOLE 11GA	1
1C	909383*	DECK CLAMP F/5" TUBE	4
2A	910424*	DECK TRIANGLE KB W/27MM HOLES 11GA	1
2B	910425*	DECK TRIANGLE KB SMALL HOLE 11GA	1
2C	909383*	DECK CLAMP F/5" TUBE	3
3	HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	2
4	HW7704-1	HRDW PKG F/CLAMP ELIMINATION M1/1	1

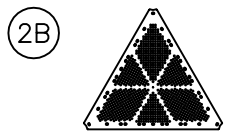
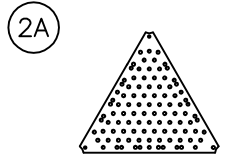
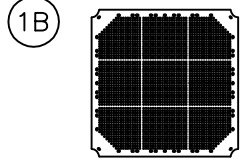
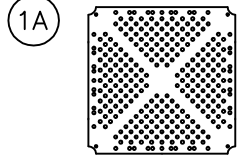
HRDW PKG F/2SETS O/CLAMPS S1/1 - HW2CLMPSET-1

Item	Code	Description	Qty.
5	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
6	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4
7	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4

HRDW PKG F/CLAMP ELIMINATION M1/1 - HW7704-1

Item	Code	Description	Qty.
8	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	5
9	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	5
10	925963	WASHER 3/8 FLAT 1-1/8 X 7/16 X 3/32	14
11	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4
12	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4

Note: An (\*) by a part number (Code) indicates: Color Code Required.

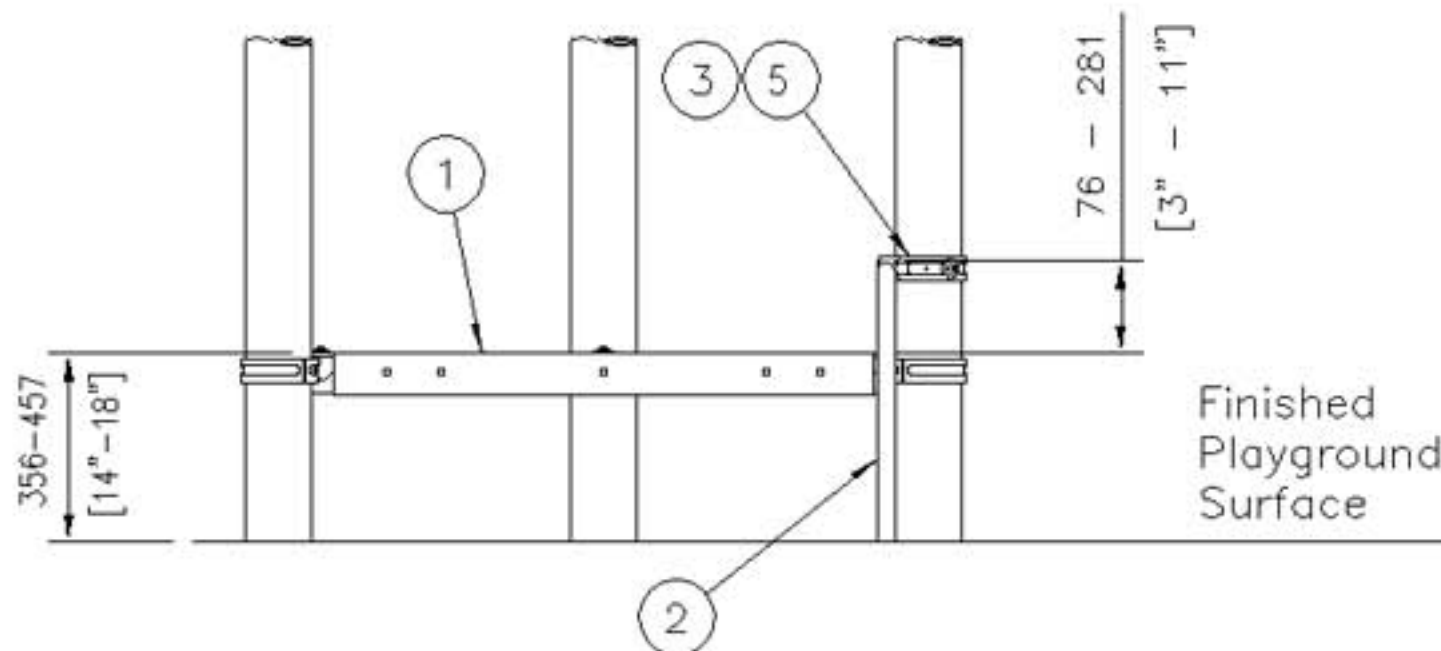
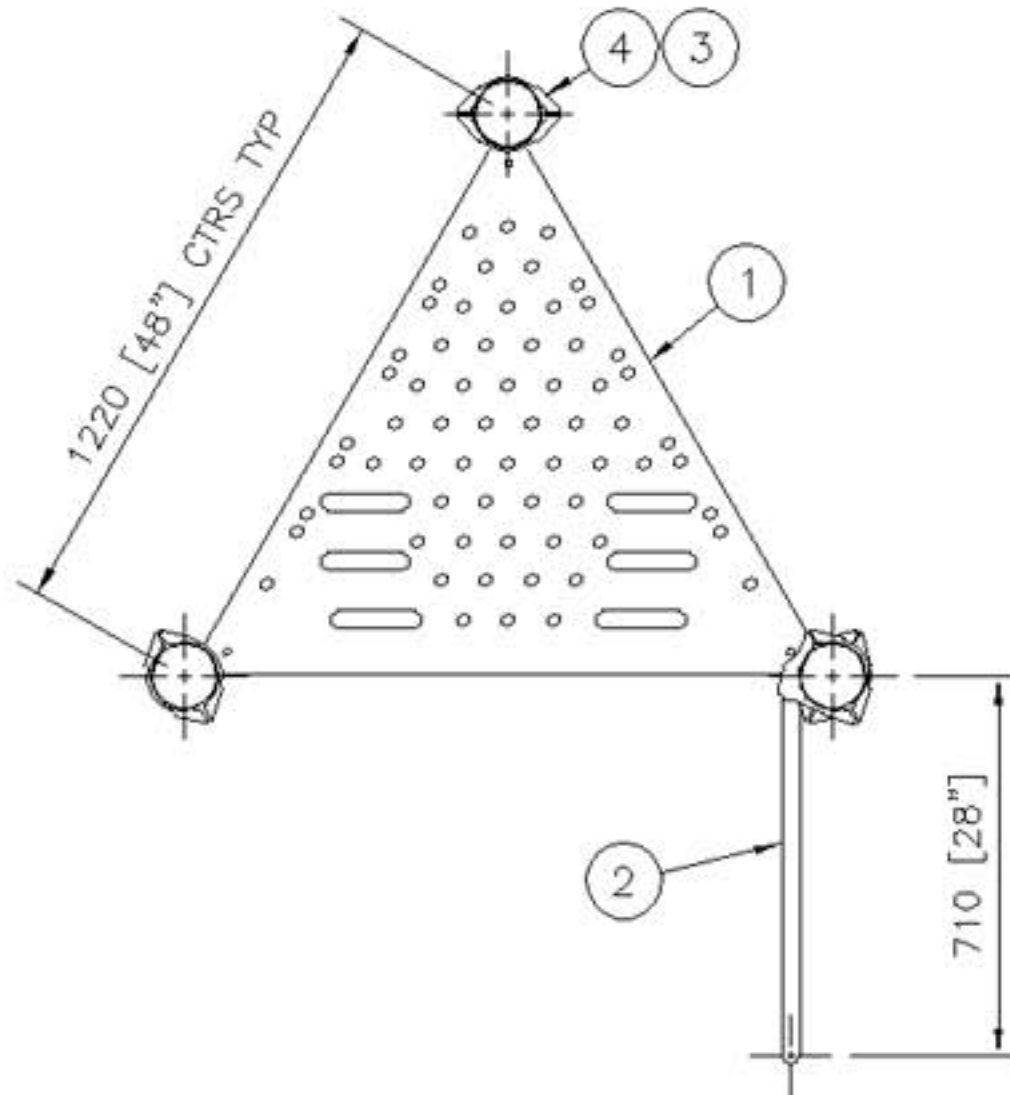


## Application

- Decks are considered platform events and can be used by all ages if installed at an appropriate height for the particular age group.
- A deck above 508mm [20"] must have an enclosure for ages 2-5 max. height difference between adjacent decks is 305mm [12"] without alternative means of access.
- A deck above 762mm [30"] must have an enclosure for ages 5 to 12 max. height difference between adjacent decks is 406mm [16"] without alternative means of access.

## Installation Instructions

1. Position posts to proper locations or footing holes as specified by the playground layout drawing and the footing details in the front of this manual.
2. Measure and mark the height of each clamp on posts. The top of the clamp will be 13mm [1/2"] below the deck. IMPORTANT: When marking posts, allow for finished grade and resilient surfacing as specified in the footing details.
3. Fasten \*clamps to posts. (SEE DECK CLAMP DETAILS IN THE FRONT OF THE KB MANUAL.) Do NOT drill for hammer drive pins yet.
4. Attach deck to clamps. Re-check levelness and deck height.
5. Tighten all hardware and drive pin clamps to posts. If installing additional decks at the same height, always install the first deck by attaching it to posts with deck clamps in all locations. Additional decks cannot share clamps with the first deck and will have to be assembled together mechanically as shown in detail. In all other locations where clamp space is available on the post, attach the deck with clamps.
6. Plumb and level decks and posts. If surface mounting, anchor bolt posts to concrete. If installing inground, make sure posts are at the proper height and complete footings.
7. After concrete has cured, backfill with earth and install ground cover.



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

## TRANSITION LOOP 200013919

KB TRANS STAT(DK W/LOOP)11GA  
200202548

KB TRANS STAT(DK W/LOOP)(SM HL)11GA  
200202549

Item	Code	Description	Qty.
1A	-	DECK TRIANGLE TRANSFER KB W/27 MM HOLES	1
1B	-	DECK TRIANGLE TRANSFER KB (SMALL HOLES)	1
2A	-	KB TRANSFER LOOP SURFACE MT 40MM	1
2B	-	KB TRANSFER LOOP SURFACE MT 305MM	
2C	-	KB TRANSFER LOOP INGROUND	
3	200000797	HAMMER DRIVE PIN 4.7 X 11.11 MM	9
4	-	KB-DECK CLAMP ASSEMBLY	3
5	-	KB HOODED RAIL CLAMP ASSEMBLY	1
6 *	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100 MM	4

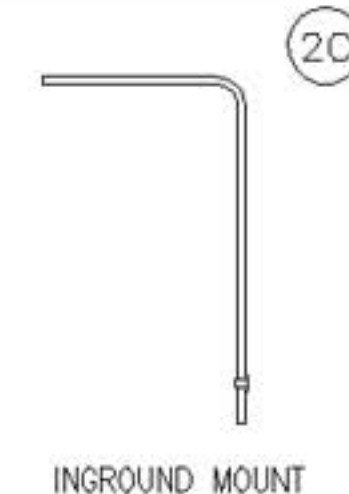
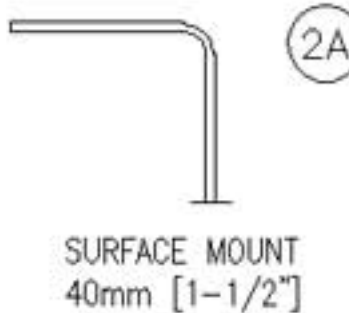
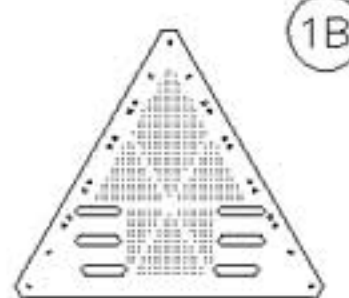
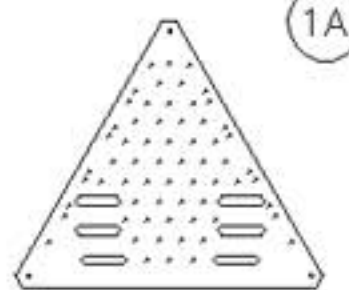
\* USED WITH SURFACE MOUNT ONLY

### Application

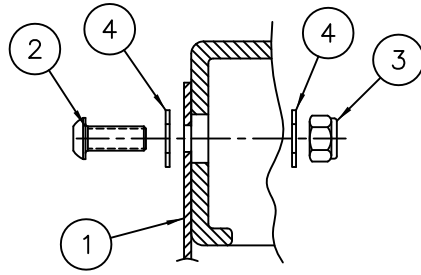
- For ages 2-12 years
- Deck top must be installed between 356 and 457 mm [14" and 18"].
- Loop must be installed on a post near hand hold slots on deck.

### Installation Instructions

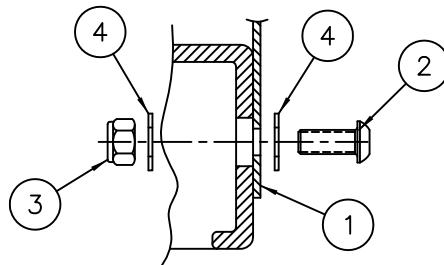
1. Prepare footings.
2. Attach deck to posts (refer to deck installation instruction for assembly).
3. Loosely attach the hooded rail clamp to post.
4. Insert loop into hooded rail clamp (refer to the front of the manual for clamp installation detail).
5. Tighten all hardware and install clamp drive pins.
6. Complete footings and install resilient surfacing.



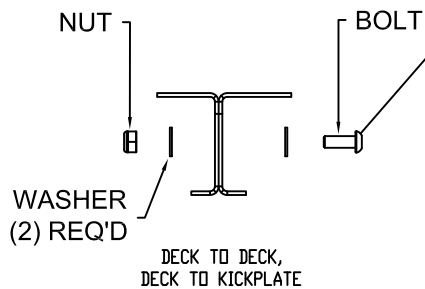
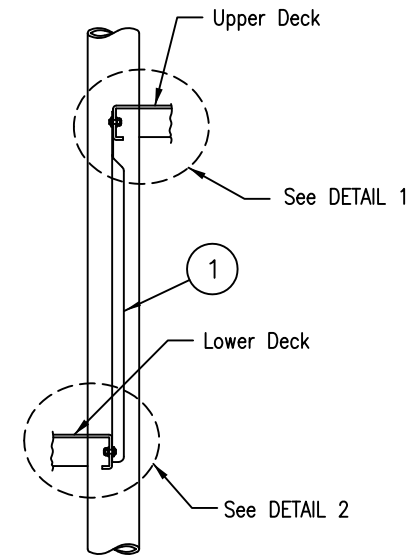
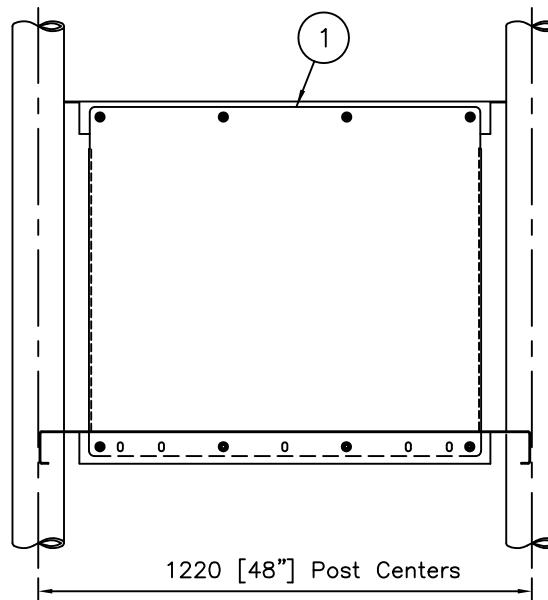
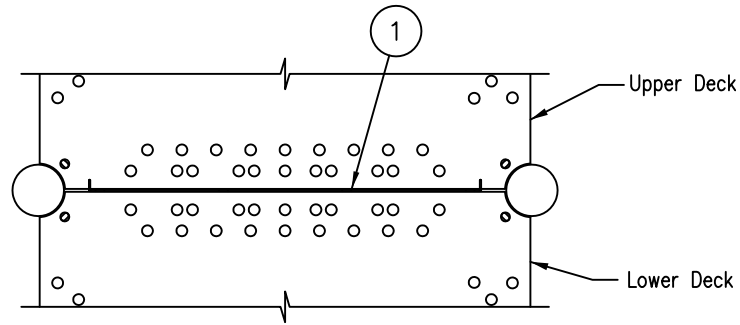
AUTHORIZED BY: 13JUN19  
Matt Blisard



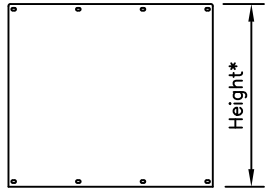
DETAIL 1  
Typ 4 Places



DETAIL 2  
Typ 4 Places

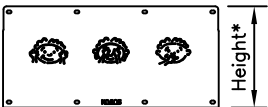


1A - 1F



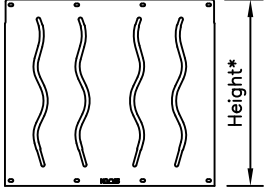
\*Height will vary according to distance between decks

1G



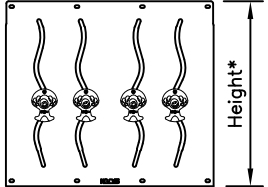
\*Height will vary according to distance between decks

1H



\*Height will vary according to distance between decks

1J



\*Height will vary according to distance between decks



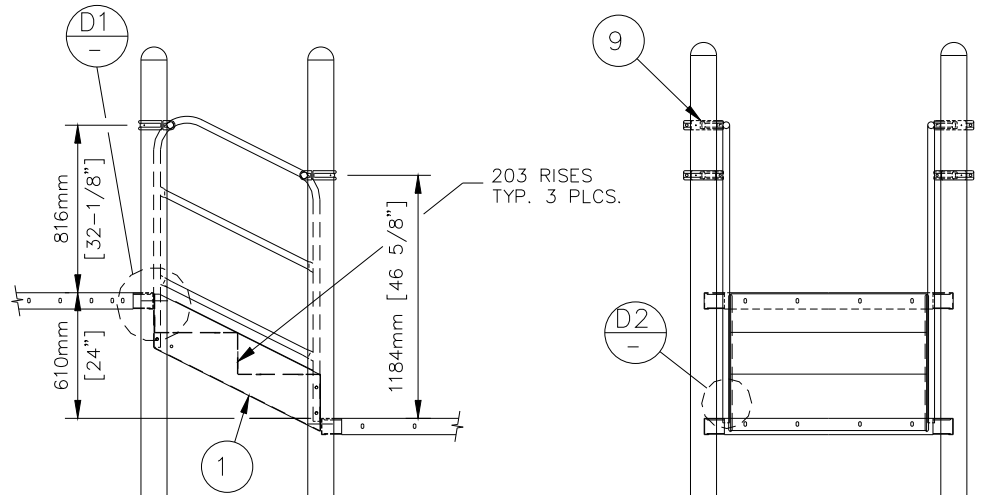
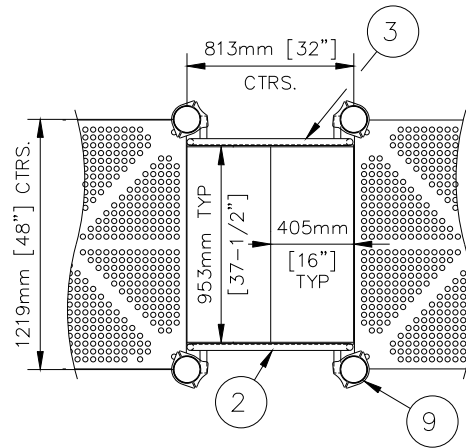
# 205/305/405/610/710/815 DECK TO DECK PLATES

KB200001E

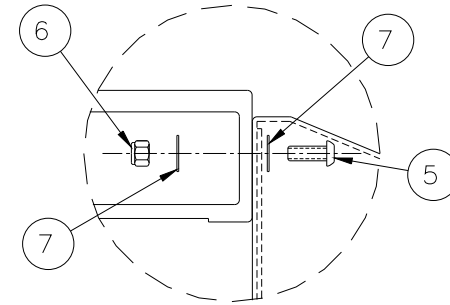
Sheet 2 of 2

AUTHORIZED BY: 13JUN19  
Matt Blisard

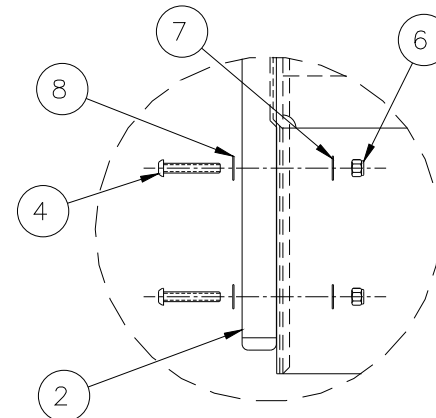
205mm [8"] DK/DK PLATE 100001134				<b>Application</b> – Must be used between all 203mm [8"] and 305mm [12"] increment decks. – When the lower platform exceeds 706mm [30"] and the upper platform is 228mm [9"] higher, a deck to deck plate must be used for 2–5 year age group. – When the lower platform exceeds 1220mm [48"] and the upper platform is 228mm [9"] higher, a deck to deck plate must be used for 5–12 year age group.
305mm [12"] DK/DK PLATE 100001137				
405mm [16"] DK/DK PLATE 100001139				
610mm [24"] DK/DK PLATE 100001142				
710mm [28"] DK/DK PLATE 100001144				
815mm [32"] DK/DK PLATE 100001148				
205mm [8"] DK/DK PLATE W/FACES 200200187				<b>Installation Instructions</b> 1. Install posts and decks. Make sure the decks are level and at the proper height.  2. Attach the top of the Deck to Deck Plate to the front of the upper deck. See DETAIL 1.  3. Attach the lower portion of the Deck to Deck Plate to the lower deck. See DETAIL 2.
305mm [12"] DK/DK PLATE W/FACES 200200188				
405mm [16"] DK/DK PLATE W/FACES 200200189				
610mm [24"] DK/DK PLATE W/4 SLOTS 200200190				
710mm [28"] DK/DK PLATE W/4 SLOTS 200200191				
815mm [32"] DK/DK PLATE W/4 SLOTS 200200192				
610mm [24"] DK/DK PLATE W/PARA. GUY 200200218				
710mm [28"] DK/DK PLATE W/PARA. GUY 200200219				
815mm [32"] DK/DK PLATE W/PARA. GUY 200200220				
<b>Item</b>	<b>Code</b>	<b>Description</b>	<b>Qty.</b>	
1A	200000047	PLATE DK/DK 205MM/8" KB BRN	1	
1B	200000049	PLATE DK/DK 305MM/12" KB BRN		
1C	200000051	PLATE DK/DK 405MM/16" KB BRN		
1D	200000053	PLATE DK/DK 610MM/24" KB BRN		
1E	200000056	PLATE DK/DK 710MM/28" KB BRN		
1F	200000058	PLATE DK/DK 815MM/32" KB BRN		
1G	–	PLATE DK/DK W/FACES F/KB		
1H	–	PLATE DK/DK W/4 SLOTS F/KB		
1J	–	PLATE DK/DK W/PARACHUTE GUY F/KB		
<b>HDWR BAG F/KB STEEL KICK PLATES (MM)</b> <b>200007706</b>				
2	200002018	SCREW MACH BUTTON HEAD M10 X 1.50 X 25mm	8	
3	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	8	
4	200002079	WASHER FLAT M11 23 X 12 X 1.6mm	16	



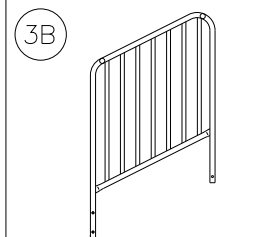
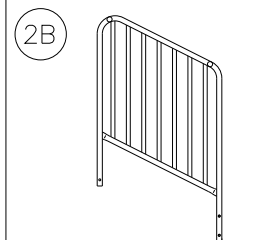
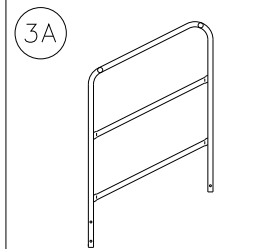
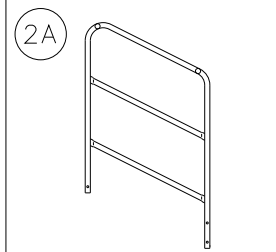
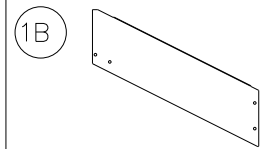
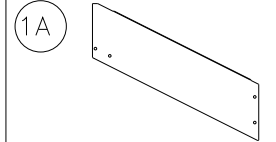
NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS



DETAIL D1  
1: 5  
STEP TO DECK  
ATTACHMENT DETAIL  
TYP. 4 PLCS.  
BOTH ENDS



DETAIL D2  
1: 5  
RAIL TO DECK  
ATTACHMENT DETAIL  
TYP. 3 PLCS.  
BOTH SIDES





# 610MM (24") DECK TO DECK STEPS W/RAILS

200125474

KB200009D-S2

Sheet 2 of 2

AUTHORIZED BY:

Joe Fitchett 02JUN08

STEPS DECK/DECK 610 MM W/GUARDRAILS F/KB  
200125538

STEPS DK/DK 610MM GRD.RL. KB (SMALL HOLES)  
200200400

STEPS DECK/DECK 610 MM W/SFTY RAILS F/KB  
200125540

STEPS DK/DK 610MM SFTY RL.KB (SMALL HOLES)  
200200401

Item	Code	Description	Qty.
1A	200125147	STEPS DECK TO DECK 610 (TDV) KB (2002)	1
1B	200146264	STEPS DK-TO-DK 610 KB (TDV) SMALL HOLE	
2A	200125335	GUARDRAIL LFT. KB 24" DK/DK TAN	
2B	200125375	SAFETY RAIL LFT. KB 24" DK/DK TAN	1
3A	200125333	GUARDRAIL RGT. KB 24" DK/DK TAN	
3B	200125376	SAFETY RAIL RGT. KB 24" DK/DK TAN	
9	200006754	HOODED RAIL CLAMP TAN F/KB	4

## HDWR BAG F/KB DECK-TO-DECK STEPS

Item	Code	Description	Qty.
4	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	6
5	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	8
6	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	14
7	200002079	WASHER FLAT M11 23 X 12 X 1.6	22
8	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	6

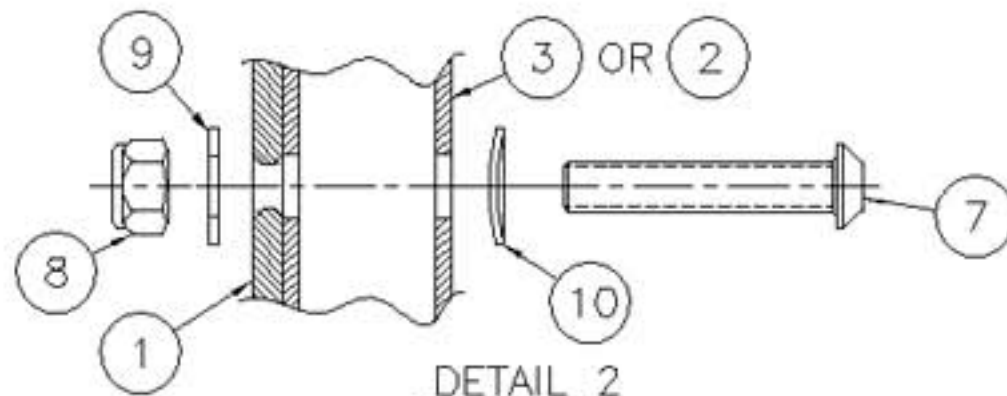
## Application

- For use between two decks which are 610mm [24"] different in height.
- If the component includes guard rails and is predominantly used by 5–12 year olds, the upper deck must be 1220mm [48"] or less.
- If using guard rails and it will be predominantly used by 2–5 year olds, the upper deck must be 762mm [30"] or less.
- Safety Rails are acceptable in all applications.

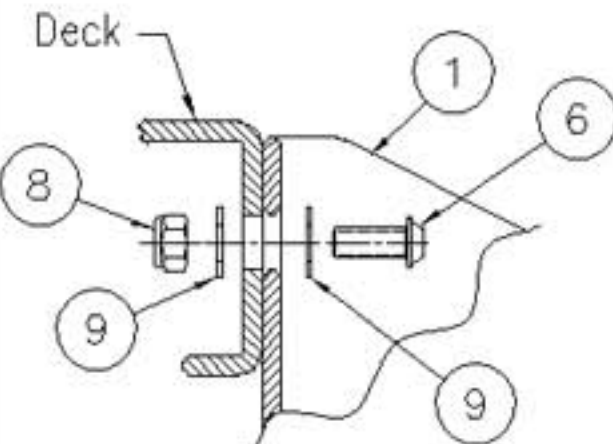
## Installation Instructions

1. Prepare footings.
2. Attach the top of the Steps to the front of the upper deck as shown in DETAIL 1.
3. Attach the lower end of the Steps to the front of the Lower deck as shown in DETAIL 1.
4. Slide hooded rail clamps onto rail stubs and loosely attach to posts (refer to front of manual for clamp installation detail). Attach the lower ends of the handrails to the sides of the Steps in three places per handrail as shown in DETAIL 2.
5. Tighten all hardware and install clamp drive pins.
6. Complete footings and install resilient surfacing.

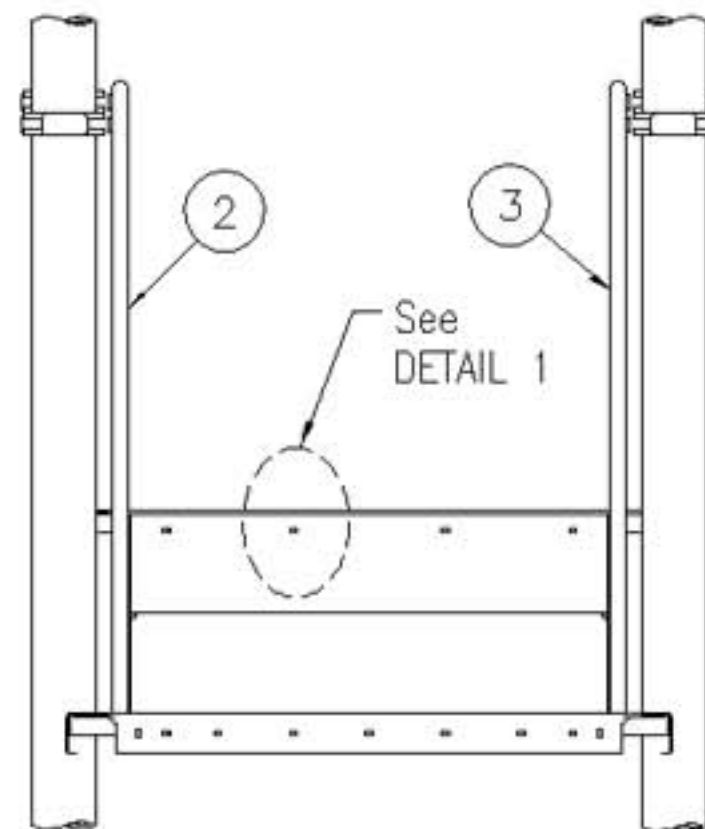
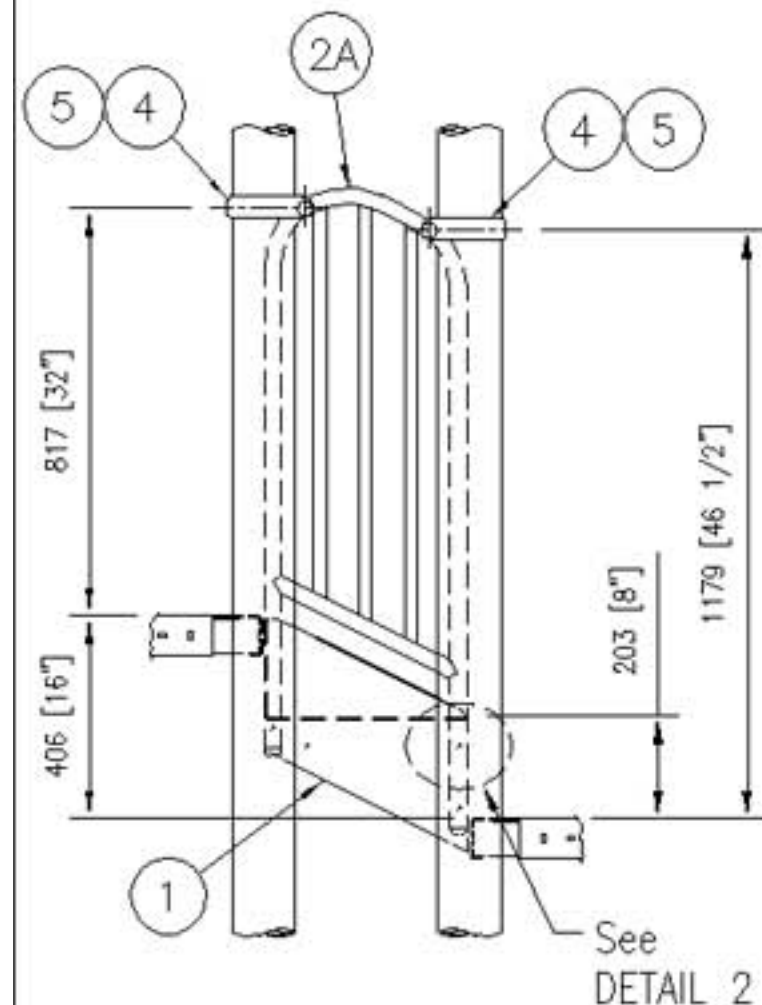
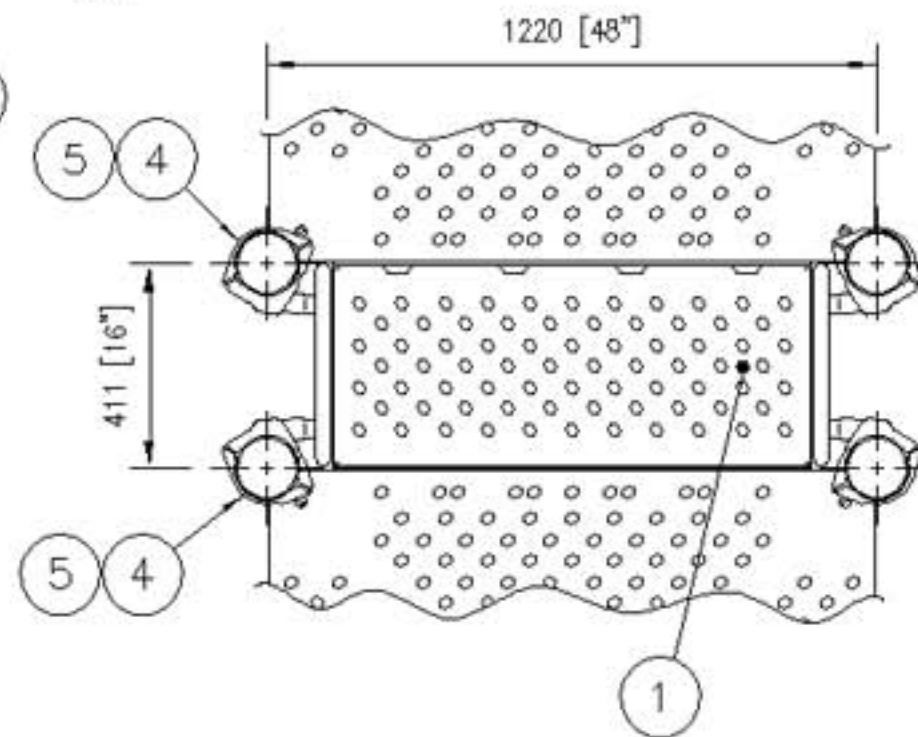




DETAIL 2  
Typ 6 Places



DETAIL 1  
Typ 8 Places



KB STEPS DK/DK 406MM W/SAFETY RAILS(LG) 200201306

KB STEPS DK/DK 406MM W/SFTY RL(SM.HOLE) 200201307

Item	Code	Description	Qty.
1A	-	STEPS DECK-TO-DECK 406 MM TDV -OR-	1
1B	-	STEPS DECK-TO-DECK 406 MM SM HOLE, TDV	
2A	-	SAFETY RAIL LFT.KB 406 DK/DK.	1
3A	-	SAFETY RAIL RGT.KB 406 DK/DK.	1
4	-	HOODED RAIL CLAMP ASSEMBLY	4
5	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	8

KB STEPS DK/DK 406MM W/GUARD RAILS 200201304

KB STEPS DK/DK 406MM W/GRD RL(SM.HOLE) 200201305

Item	Code	Description	Qty.
1A	-	STEPS DECK-TO-DECK 406 MM TDV -OR-	1
1B	-	STEPS DECK-TO-DECK 406 MM SM HOLE, TDV	
2B	-	GUARD RAIL LFT.KB 406 DK/DK.	1
3B	-	GUARD RAIL RGT.KB 406 DK/DK.	1
4	-	HOODED RAIL CLAMP ASSEMBLY	4
5	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	8

HDWR BAG F/KB 406MM DECK TO DECK STEPS  
200041200

Item	Code	Description	Qty.
6	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	8
7	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	6
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	14
9	200002079	WASHER FLAT M11 23 X 12 X 1.6	22
10	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	6

### Application

—For use between two decks which are 406mm [16"] different in height.

- If the component includes guard rails and is predominantly used by 5-12 year olds, the upper deck must be 1220mm [48"] or less.

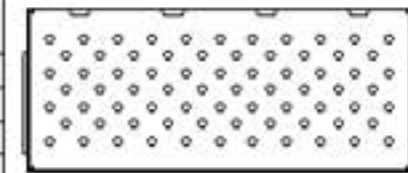
- If using guard rails and it will be predominantly used by 2-5 year olds, the upper deck must be 762mm [30"] or less.

- Safety Rails are acceptable in all applications.

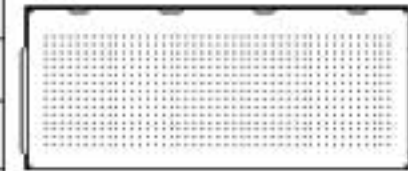
## Installation Instructions

1. Prepare footings.
2. Attach the top of the Steps to the front of the upper deck as shown in DETAIL 1.
3. Attach the lower end of the Steps to the front of the Lower deck as shown in DETAIL 1.
4. Slide hooded rail clamps onto rail stubs and loosely attach to posts (refer to front of manual for clamp installation detail). Attach the lower ends of the handrails to the sides of the Steps in three places per handrail as shown in DETAIL 2.
5. Tighten all hardware and install clamp drive pins.
6. Complete footings and install resilient surfacing.

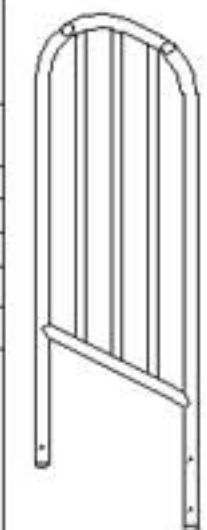
1A



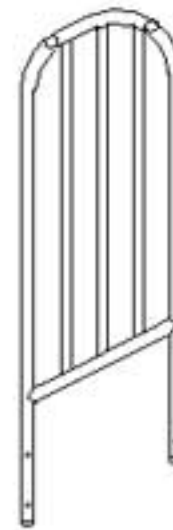
1B



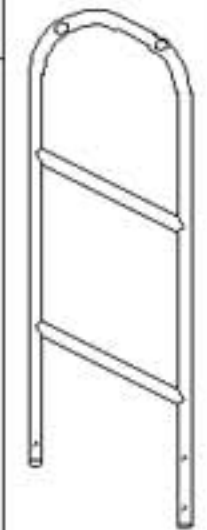
2A



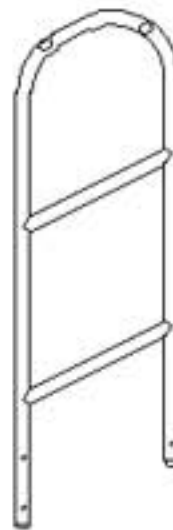
3A



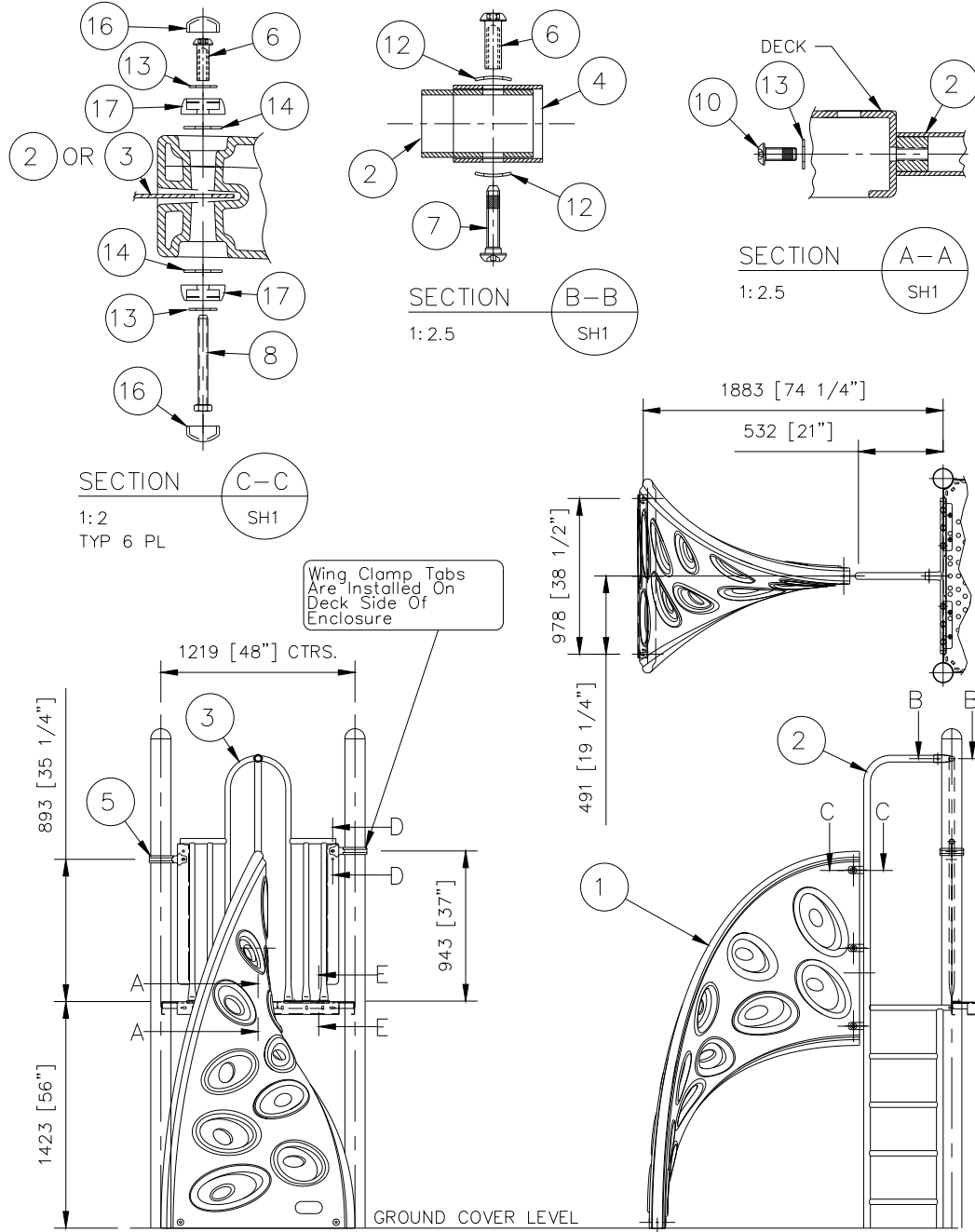
2B



3B







KB INFINITY HI-CLIMB 56" (1420 MM)	200202121
KB INFINITY HI-CLIMB 64" (1625 MM)	200202122
KB INFINITY HI-CLIMB 72" (1830 MM)	200202123
KB INFINITY HI-CLIMB 80" (2030 MM)	200202124
KB INFINITY HI-CLIMB 88" (2235 MM)	200202125
KB INFINITY HI-CLIMB 96" (2440 MM)	200202126

Item	Code	Description	Qty.
1	-	CLIMBER INFINITY TAN	1
2	-	LADDER INFINITY HI-CLIMB	1
3	-	FOOTING F/INFINITY CLIMBER	1
4	-	ENCL VERT W/STUB F/KB LG DK EDGE	1
5	-	WING CLAMP ASSEMBLY	2

## HDWR BAG F/KB INFINITY HI-CLIMB 200180512

Item	Code	Description	Qty.
6	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	7
7	200002138	BOLT M8 X 1.25 MALE 42.5 MM	1
8	200001826	CAP SCR W/ PATCH M8 X 1.25 X 75MM W/PATCH	6
9	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	6
10	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	1
11	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
12	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	2
13	200002079	WASHER FLAT M11 23 X 12 X 1.6	21
14	200002096	WASHER FLAT M10 34 OD X 11 ID X 3 MM THK	12
15	200002100	WASHER FLAT M11 32 OD X 13ID X 2 MM THK	4
16	200002311	CAP HDWR COVER	12
17	200002340	CAP HDWR BASE	12
18	200001776	ANCHOR CONCRETE WEDGE M10 X 1.5 X 100 MM	7 OR 8

\* SURFACE MOUNT ONLY

## Installation Instructions

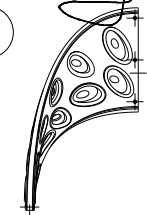
1. Prepare footings.
2. Loosely assemble wing clamps to the enclosure as shown in Section E-E and attach to posts (Refer to front of manual for clamp installation details).
3. Attach the enclosure to the deck as shown in Section D-D.
4. Attach the ladder to the enclosure as shown in Section B-B and to the deck as shown in Section A-A.
5. Attach the footing (item 3) to the infinity climber as shown in Section C-C.
6. Attach the climber to ladder as shown in Section C-C.
7. Check for level and plumb, tighten all hardware, install hardware covers and install hammer drive pins.
8. Complete footings and install appropriate resilient surfacing.

AUTHORIZED BY:

*Chris M. Anderson*

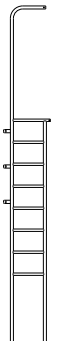
15MAY09

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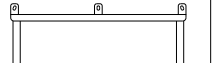
2

96" INGROUND VERSION SHOWN

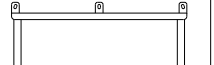


3

40 MM SURFACE MOUNT



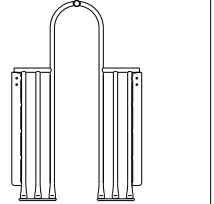
305 MM SURFACE MOUNT



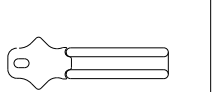
INGROUND MOUNT



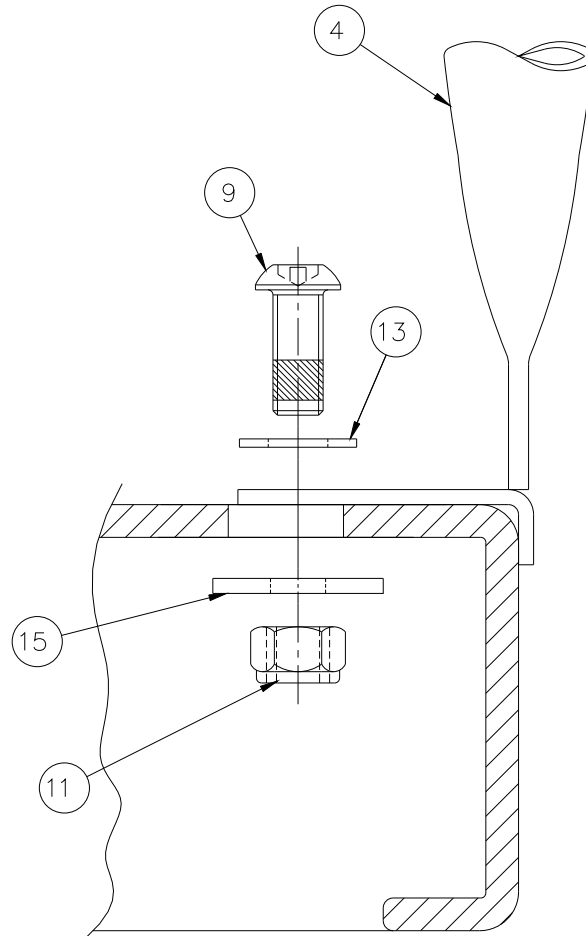
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5



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

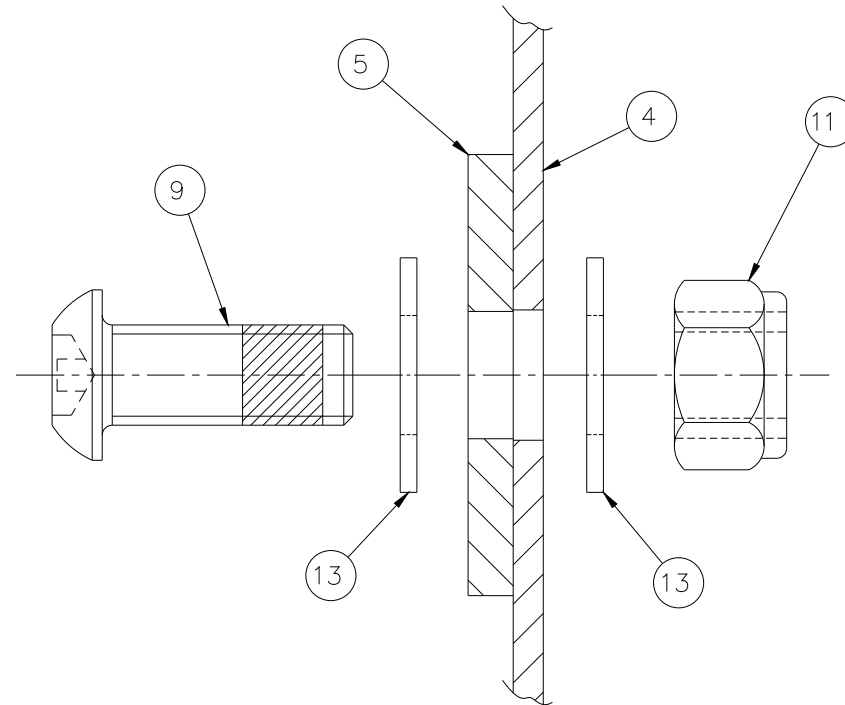


SECTION

1:1  
TYP 4 PL

D-D

SH1



SECTION

1:2  
TYP 2 PL

E-E

SH1

NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

## KB Trail Climber

**IMPORTANT!** Prior to installation of any components refer to the front of the **Manufacturer's Assembly** manual and applicable safety guidelines and/or standards. The *Manufacturer's Assembly Manual* will provide important tips pertaining to **site requirements, footings, hardware** and other necessary information **vital to the success of your installation.**

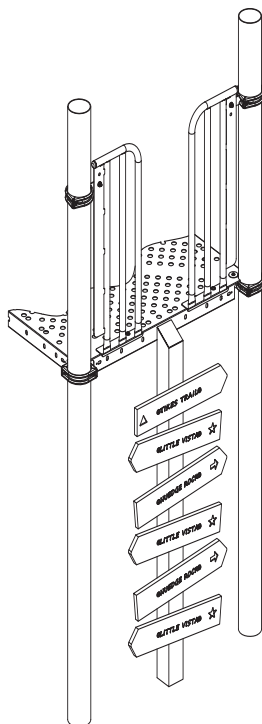
Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
200203460	KB Trail Climber 72"	2, 6
200203459	KB Trail Climber 64"	2, 6
200203458	KB Trail Climber 56"	3, 6
200203457	KB Trail Climber 48"	3, 6
200203537	KB Trail Climber 72" CSA	4, 6
200203536	KB Trail Climber 64" CSA	4, 6
200203535	KB Trail Climber 56" CSA	5, 6
200203534	KB Trail Climber 48" CSA	5, 6

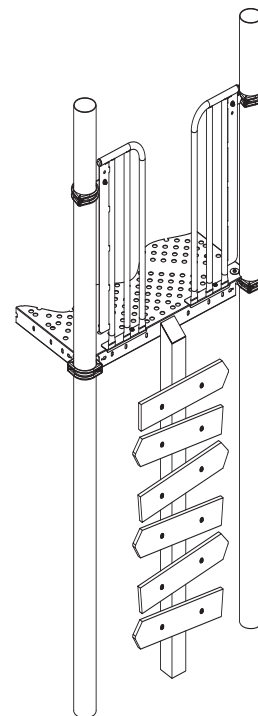
*Note:*

- Deck system and posts are not included in this assembly.
- An (\*) by part numbers (CODE) indicate: Color Code Required.

KB Trail Climber - w/wording



KB Trail Climber CSA - w/out wording



Note: Deck height varies per model.

## KB Trail Climber

### 200203460 KB TRAIL CLIMBER 72"

CODE	DESCRIPTION	QTY
902878DBW	TRAIL CLIMBER POST ASSY, 72" SM	1
902877DBW	TRAIL CLIMBER POST ASSY, 72" 305SM	
902879DBW	TRAIL CLIMBER POST ASSY, 72" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
903054	TRAIL CLIMBER SIGN, TRIANGLE	1
903055	TRAIL CLIMBER SIGN, STAR	3
903053	TRAIL CLIMBER SIGN, ARROW	2
925165	WOOD SIGN KIT F/72" TRAIL CLIMBER	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

### 200203459 KB TRAIL CLIMBER 64"

CODE	DESCRIPTION	QTY
902881DBW	TRAIL CLIMBER POST ASSY, 64" SM	1
902880DBW	TRAIL CLIMBER POST ASSY, 64" 305SM	
902882DBW	TRAIL CLIMBER POST ASSY, 64" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
903054	TRAIL CLIMBER SIGN, TRIANGLE	1
903055	TRAIL CLIMBER SIGN, STAR	2
903053	TRAIL CLIMBER SIGN, ARROW	2
925614	WOOD SIGN KIT F/64"/56"TRAIL CLIMBER	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

## KB Trail Climber

<i>200203458 KB TRAIL CLIMBER 56"</i>		
CODE	DESCRIPTION	QTY
902884DBW	TRAIL CLIMBER POST ASSY, 56" SM	1
902883DBW	TRAIL CLIMBER POST ASSY, 56" 305SM	
902885DBW	TRAIL CLIMBER POST ASSY, 56" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
903054	TRAIL CLIMBER SIGN, TRIANGLE	1
903055	TRAIL CLIMBER SIGN, STAR	2
903053	TRAIL CLIMBER SIGN, ARROW	2
925164	WOOD SIGN KIT F/64"/56"TRAIL CLIMBER	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

<i>200203457 KB TRAIL CLIMBER 48"</i>		
CODE	DESCRIPTION	QTY
902887DBW	TRAIL CLIMBER POST ASSY, 56" SM	1
902886DBW	TRAIL CLIMBER POST ASSY, 56" 305SM	
902888DBW	TRAIL CLIMBER POST ASSY, 56" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
903054	TRAIL CLIMBER SIGN, TRIANGLE	1
903055	TRAIL CLIMBER SIGN, STAR	2
903053	TRAIL CLIMBER SIGN, ARROW	1
925163	WOOD SIGN KIT F/48" TRAIL CLIMBER	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

KB Trail Climber

KB300442

**KB Trail Climber**

<i>200203537 KB TRAIL CLIMBER 72" CSA</i>		
CODE	DESCRIPTION	QTY
902878DBW	TRAIL CLIMBER POST ASSY, 72" SM	1
902877DBW	TRAIL CLIMBER POST ASSY, 72" 305SM	
902879DBW	TRAIL CLIMBER POST ASSY, 72" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
925159	TRAIL CLIMBER SIGN, W/O TEXT	6
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

<i>200203536 KB TRAIL CLIMBER 64" CSA</i>		
CODE	DESCRIPTION	QTY
902881DBW	TRAIL CLIMBER POST ASSY, 64" SM	1
902880DBW	TRAIL CLIMBER POST ASSY, 64" 305SM	
902882DBW	TRAIL CLIMBER POST ASSY, 64" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
925159	TRAIL CLIMBER SIGN, W/O TEXT	5
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

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## KB Trail Climber

<i>200203535 KB TRAIL CLIMBER 56" CSA</i>		
CODE	DESCRIPTION	QTY
902884DBW	TRAIL CLIMBER POST ASSY, 64" SM	1
902883DBW	TRAIL CLIMBER POST ASSY, 64" 305SM	
902885DBW	TRAIL CLIMBER POST ASSY, 64" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
925159	TRAIL CLIMBER SIGN, W/O TEXT	5
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

<i>200203534 KB TRAIL CLIMBER 48" CSA</i>		
CODE	DESCRIPTION	QTY
902887DBW	TRAIL CLIMBER POST ASSY, 64" SM	1
902886DBW	TRAIL CLIMBER POST ASSY, 64" 305SM	
902888DBW	TRAIL CLIMBER POST ASSY, 64" ING	
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
909257*	CLAMP WING F/KB (2001)	2
925159	TRAIL CLIMBER SIGN, W/O TEXT	4
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW906362-1	HRDW PKG KB TRAIL CLIMBER S1/2	1
HW906362-2	HRDW PKG KB TRAIL CLIMBER L2/2	1

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KB Trail Climber

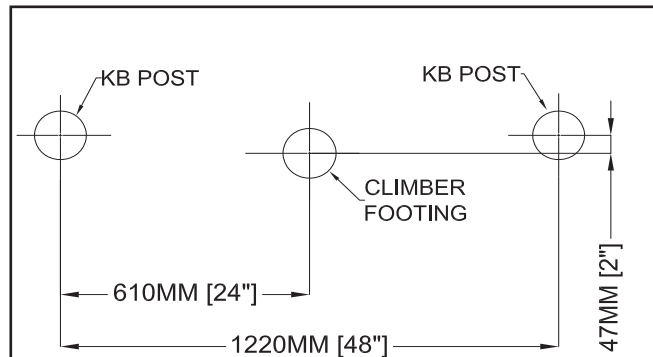
KB300442

## KB Trail Climber

*Note: Hardware packages are used for all eight (8) KB Trail Climbers w/words and w/o words.*

HRDW PKG F/2SETS O/CLAMPS S1/1 HW2CLMPSET-1		
CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4
HRDW PKG KB TRAIL CLIMBER S1/2 HW906362-1		
CODE	DESCRIPTION	QTY
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM	1
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	6
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	9
200002096	WASHER FLAT M10 34 OD X 11 ID X 3MM SS	4
HRDW PKG KB TRAIL CLIMBER L2/2 HW906362-2		
CODE	DESCRIPTION	QTY
104286	BOLT 3/8-16 X 1 BHCS 6 LOBE 18-8 SS	12
110162	NUT 3/8-16 X 1 BARREL LENGTH, BUTTON HEAD	12
117005	WASHER 3/8 X 1 O.D. FLAT 18-8 SS	12
104480	BIT 6 LOBE T-45 FOR 3/8 BOLTS	1
104481	BIT 6 LOBE T-55 FOR 1/2 BOLTS	1

Footing Layout - for both KB Trail Climber w/words and w/o words.





## KB Trail Climber

### STEP 1 DECK AND POST FOOTINGS

1a. Deck and posts are in place per *Footings Layout* and Construction Drawings per model option.

1b. Deck Height Options:

- 1830MM [72"]
- 1625MM [64"]
- 1422MM [56"]
- 1220MM [48"]

*Note: Deck Height Options are the same for KB Trail Climber CSA.*

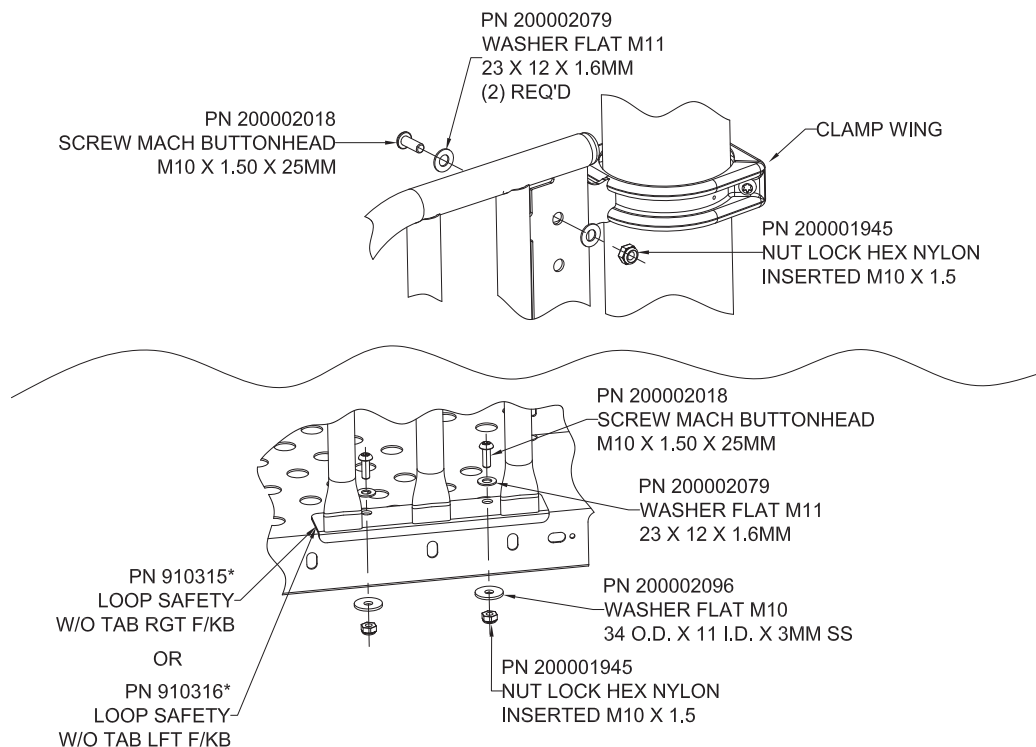
### STEP 2 ASSEMBLE WING CLAMPS

2a. *Loosely* assemble wing clamps on posts per clamp installation details in the installation manual .

### STEP 3 ATTACH SAFETY LOOPS TO DECK

3a. *Loosely* attach safety loops to deck and to wing clamps/post as shown below.

3b. Install wing clamp tabs on deck side of safety loop.



## KB Trail Climber

### STEP 4 ATTACH BOARDS WITH INSERTS

4a. Attach boards with inserts to the climber post as shown.

*Note: See Figures 1, 2, 3 and 4 for surface mount and inground climber posts.*

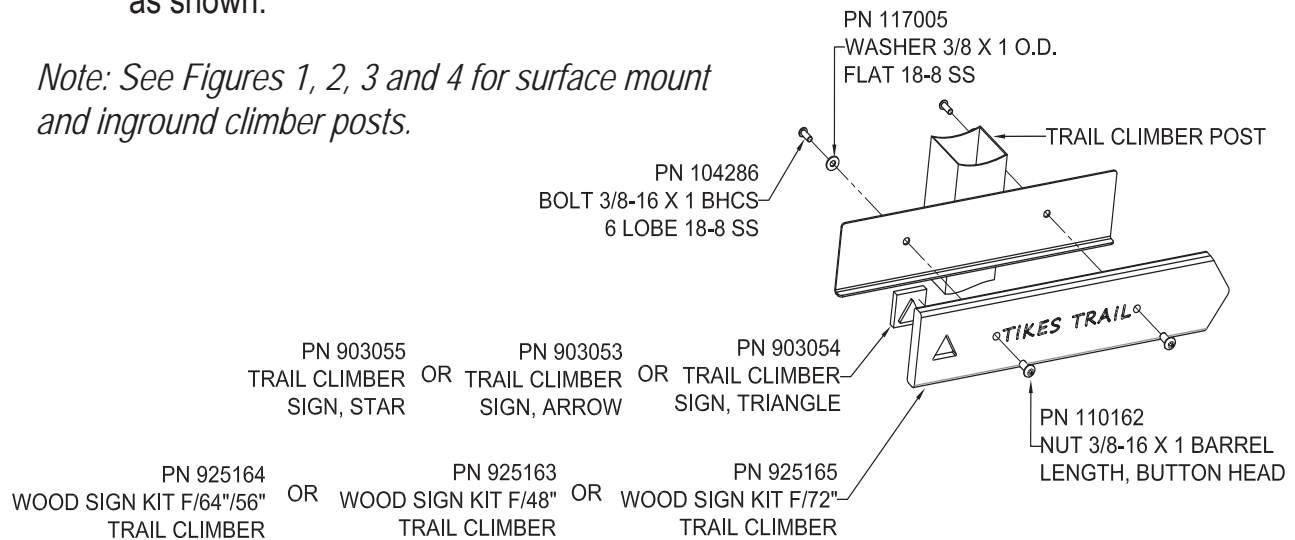


Figure 1. 1830MM [72"]

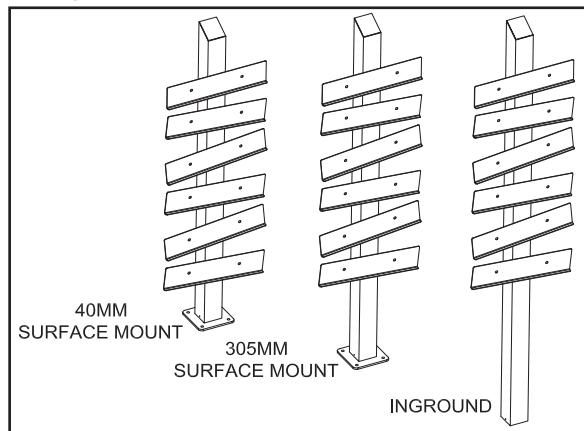


Figure 2. 1625MM [64"]

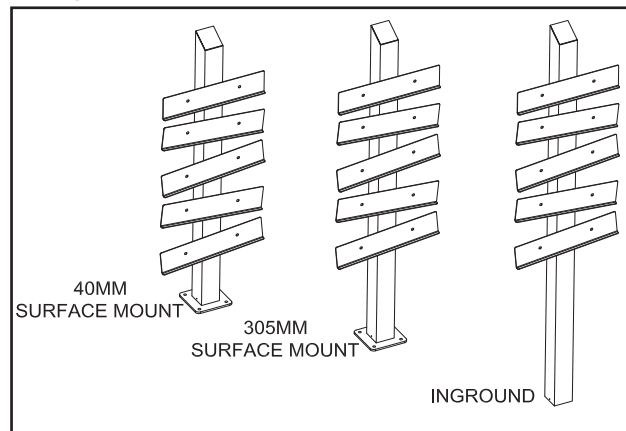


Figure 3. 1422MM [56"]

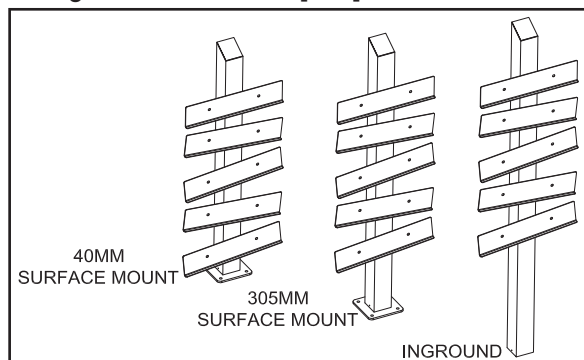
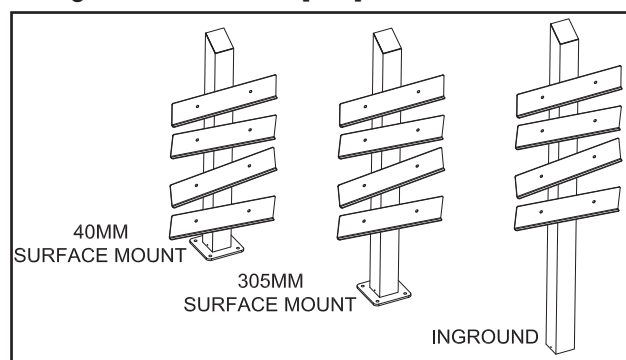


Figure 4. 1220MM [48"]



## KB Trail Climber

### STEP 4 ATTACH BOARDS WITH INSERTS cont.

4b. Follow the insert locations, as shown below, for each climber post height.

*Note: See Figures 5, 6, 7 and 8 for insert locations.*

Figure 5. 1830MM [72"]

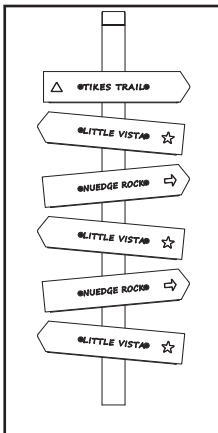


Figure 6. 1625MM [64"]

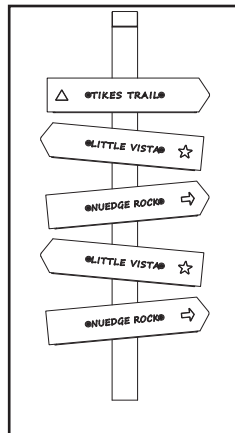


Figure 7. 1422MM [56"]

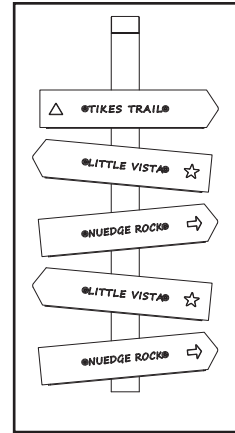
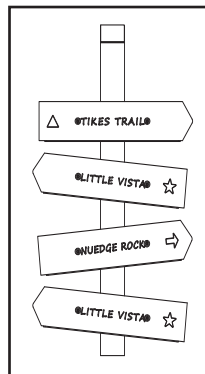


Figure 8. 1220MM [48"]



## KB Trail Climber

### **STEP 5** ATTACH BOARDS W/OUT INSERTS/WORDING FOR CSA MODELS

5a. Attach boards to the climber post as shown below.

*Note: See Figures 9, 10, 11 and 12 for board placement. Refer to Figures 1, 2, 3 and 4 for surface mount and inground climber posts.*

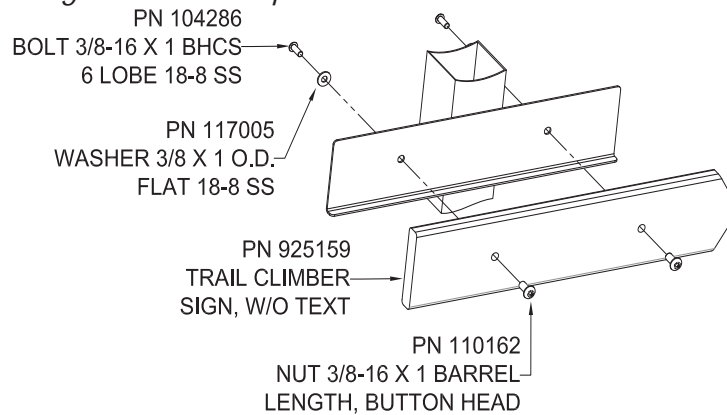


Figure 9. 1830MM [72"]

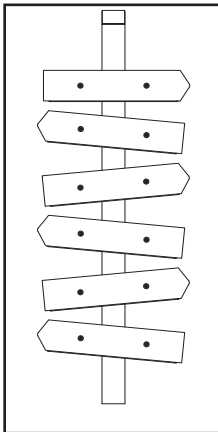


Figure 10. 1625MM [64"]

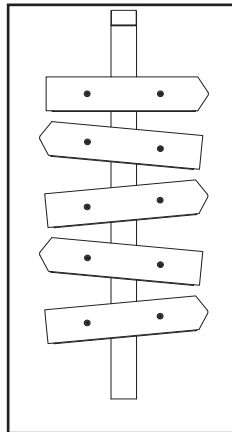


Figure 11. 1422MM [56"]

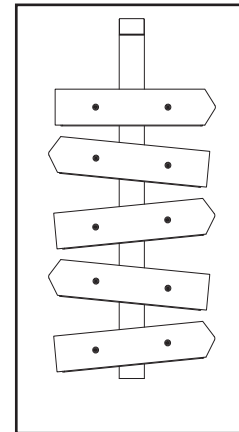
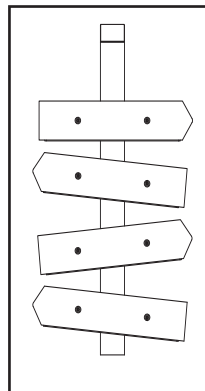


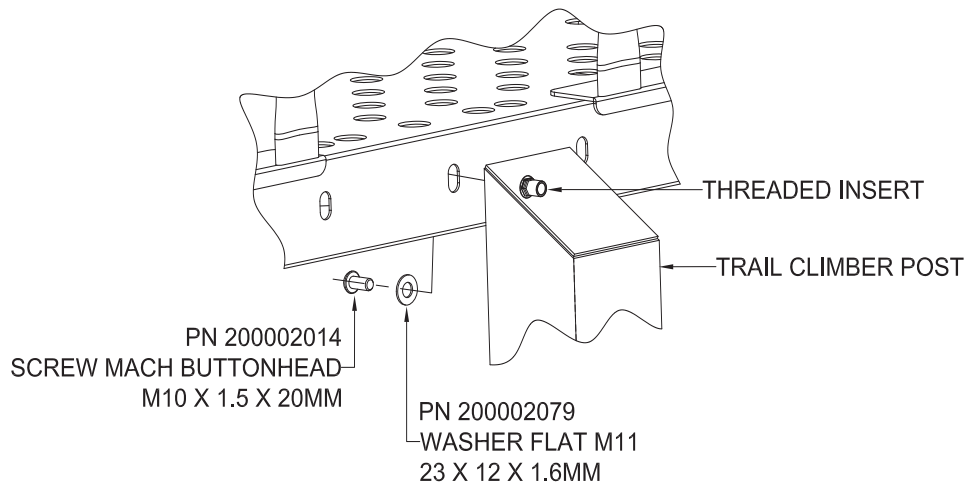
Figure 12. 1220MM [48"]



## KB Trail Climber

### STEP 6 ATTACH POST CLIMBER TO DECK

6a. Attach the post climber to the deck face as shown below.



6b. Tighten all hardware and install clamp drive pins.

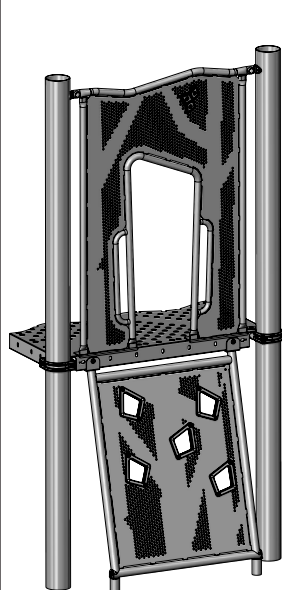
### FINAL STEP

Proceed with *Final Assembly installation*.

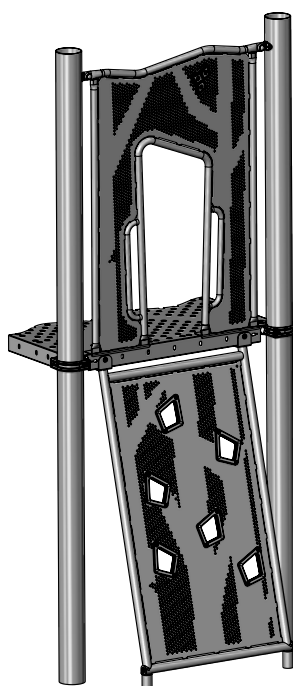
## Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

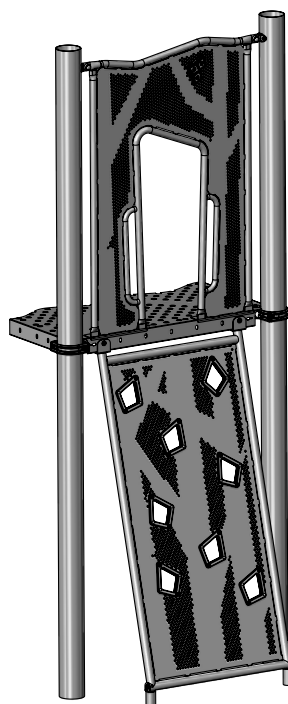
**KB300465**



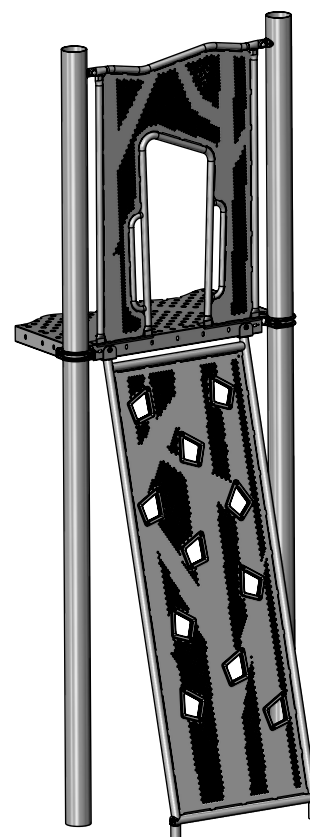
200203758  
Nu-Edge Birch  
Climber f/KB 48"



200203759  
Nu-Edge Birch  
Climber f/KB 64"



200203760  
Nu-Edge Birch  
Climber f/KB 72"



200203761  
Nu-Edge Birch  
Climber f/KB 96"

### NOTES:

Deck and posts are not included in this model.

This is a climbing event and cannot be used as sole access.

Never install climber without TCE weldment.

An (\*) by a part number (Code) indicates: Color Code Required.

Nu-Edge Birch Climber f/KB

KB300465

# **Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"**

## ***NU-EDGE BIRCH CLIMBER F/KB 48" Model 200203758***

CODE	DESCRIPTION	QTY
930420*	NU-EDGE NATURE KB TCE WLDMNT	1
930446*	NU-EDGE NATURE 48" CLIMBER WLDMNT	1
930944*	PC F/NU-EDGE BIRCH 48" CLIMBER	1
930950*	PC F/NU-EDGE BIRCH TABS	1
909823*	TILTED ROCK CHALL FOOT SM40	2
909822*	TILTED ROCK CHALL FOOT SM305	
909821*	TILTED ROCK CHALL FOOT ING	

## ***PC F/NU-EDGE BIRCH 48" CLIMBER 930944\****

CODE	DESCRIPTION	QTY
HW203758-1	HRDW PKG NU-EDGE BIRCH 48" CLMBR S1/1	2
930426*	NU-EDGE NATURE CLIMBER LEAF	10
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	1
930168*	NU-EDGE NATURE 3 LEAF	2
HW194913-1	HRDW PKG TILTED ROCK CHAL M1/2	1
HW194913-2	HRDW PKG TILTED ROCK CHAL S2/2	1

## ***HRDW PKG NU-EDGE BIRCH 48" CLMBR S1/1 HW203758-1***

110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	10
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	10

# **Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"**

## ***NU-EDGE BIRCH CLIMBER F/KB 64" Model 200203759***

CODE	DESCRIPTION	QTY
930420*	NU-EDGE NATURE KB TCE WLDMNT	1
930443*	NU-EDGE NATURE 64" CLIMBER WLDMNT	1
930945*	PC F/NU-EDGE BIRCH 64" CLIMBER	1
930950*	PC F/NU-EDGE BIRCH TABS	1
909823*	TILTED ROCK CHALL FOOT SM40	2
909822*	TILTED ROCK CHALL FOOT SM305	
909821*	TILTED ROCK CHALL FOOT ING	

## ***PC F/NU-EDGE BIRCH 64" CLIMBER 930945\****

CODE	DESCRIPTION	QTY
HW203759-1	HRDW PKG NU-EDGE BIRCH 64" CLMBR S1/1	2
930426*	NU-EDGE NATURE CLIMBER LEAF	12
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	1
930168*	NU-EDGE NATURE 3 LEAF	2
HW194913-1	HRDW PKG TILTED ROCK CHAL M1/2	1
HW194913-2	HRDW PKG TILTED ROCK CHAL S2/2	1

## ***HRDW PKG NU-EDGE BIRCH 64" CLMBR S1/1 HW203759-1***

110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	12
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	12

Nu-Edge Birch Climber f/KB

KB300465



# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## NU-EDGE BIRCH CLIMBER F/KB 72" Model 200203760

CODE	DESCRIPTION	QTY
930420*	NU-EDGE NATURE KB TCE WLDMNT	1
930440*	NU-EDGE NATURE 72" CLIMBER WLDMNT	1
930946*	PC F/NU-EDGE BIRCH 72" CLIMBER	1
930950*	PC F/NU-EDGE BIRCH TABS	1
909823*	TILTED ROCK CHALL FOOT SM40	2
909822*	TILTED ROCK CHALL FOOT SM305	
909821*	TILTED ROCK CHALL FOOT ING	

## PC F/NU-EDGE BIRCH 72" CLIMBER 930946\*

CODE	DESCRIPTION	QTY
HW203760-1	HRDW PKG NU-EDGE BIRCH 72" CLMBR S1/1	2
930426*	NU-EDGE NATURE CLIMBER LEAF	16
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	1
930168*	NU-EDGE NATURE 3 LEAF	2
HW194913-1	HRDW PKG TILTED ROCK CHAL M1/2	1
HW194913-2	HRDW PKG TILTED ROCK CHAL S2/2	1

## HRDW PKG NU-EDGE BIRCH 72" CLMBR S1/1 HW203760-1

110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	16
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	16

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

NU-EDGE BIRCH CLIMBER F/KB 96" Model 200203761		
CODE	DESCRIPTION	QTY
930420*	NU-EDGE NATURE KB TCE WLDMNT	1
930425*	NU-EDGE NATURE 96" CLIMBER WLDMNT	1
930947*	PC F/NU-EDGE BIRCH 96" CLIMBER	1
930950*	PC F/NU-EDGE BIRCH TABS	1
909823*	TILTED ROCK CHALL FOOT SM40	2
909822*	TILTED ROCK CHALL FOOT SM305	
909821*	TILTED ROCK CHALL FOOT ING	
PC F/NU-EDGE BIRCH 96" CLIMBER 930947*		
CODE	DESCRIPTION	QTY
HW203761-1	HRDW PKG NU-EDGE BIRCH 96" CLMBR S1/1	2
930426*	NU-EDGE NATURE CLIMBER LEAF	22
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	1
930168*	NU-EDGE NATURE 3 LEAF	2
HW194913-1	HRDW PKG TILTED ROCK CHAL M1/2	1
HW194913-2	HRDW PKG TILTED ROCK CHAL S2/2	1
HRDW PKG NU-EDGE BIRCH 96" CLMBR S1/1 HW203761-1		
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	22
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	22

Nu-Edge Birch Climber f/KB

KB300465

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

The parts and hardware shown below are used on all four models.

## HRDW PKG NU-EDGE BIRCH 930168 S1/1 HW203752-1

CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	3
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	3

## HRDW PKG TILTED ROCK CHAL M1/2 HW194913-1

CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	6
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	14

## HRDW PKG TILTED ROCK CHAL S2/2 HW194913-2

CODE	DESCRIPTION	QTY
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	8
200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM	4
117007	WASHER 7/16 FLAT 18-8 SS	4

## PC F/NU-EDGE BIRCH TABS 930950\*

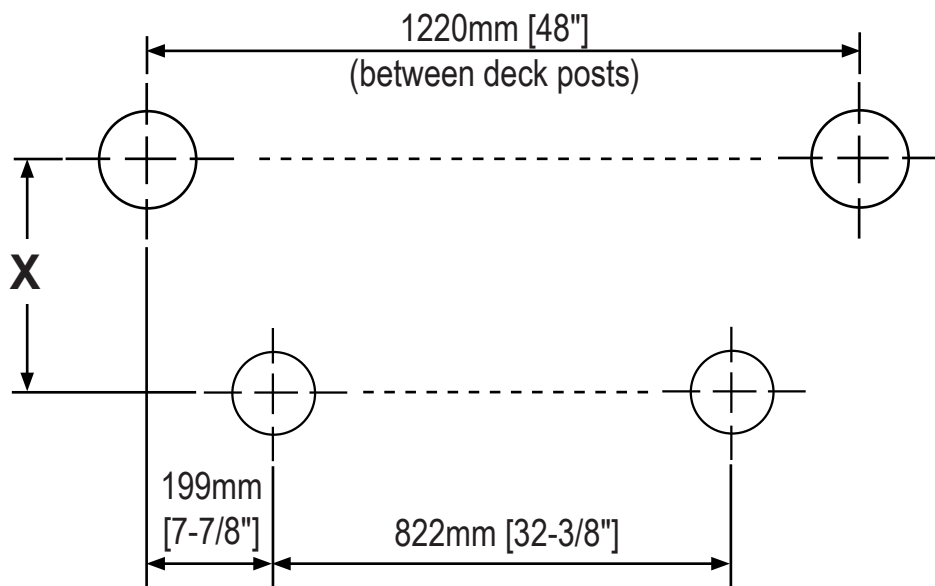
CODE	DESCRIPTION	QTY
HW203767-1	HRDW PKG NU-EDGE BIRCH PB TAB S1/2	1
910340*	TAB RAIL 33.4 F/PB	4
200058372	GASKET F/PB TABS (SMALL)	2
910917*	CAP HARDWARE COVER	2
910918*	CAP HARDWARE BASE	2

## HRDW PKG NU-EDGE BIRCH PB TAB S1/2 HW203767-1

CODE	DESCRIPTION	QTY
300002750	SCREW T-27 TORX ROUND WASHER HD	6
200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	2
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	2
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	2
200066126	DRIVER BIT T-27 TAMPERRESISTANT F/PB	1

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## FOOTING LAYOUT



## FOOTING DIMENSIONS

MODEL	deck height*	X
200203758 Nu-Edge Birch Climber f/KB 48"	1220 [48"]	252 [10"]
200203759 Nu-Edge Birch Climber f/KB 64"	1625 [64"]	361 [14-1/4"]
200203760 Nu-Edge Birch Climber f/KB 72"	1830 [72"]	415 [16-3/8"]
200203761 Nu-Edge Birch Climber f/KB 96"	2440 [96"]	577 [22-3/4"]

\* dimension from top of deck to finished playground surface

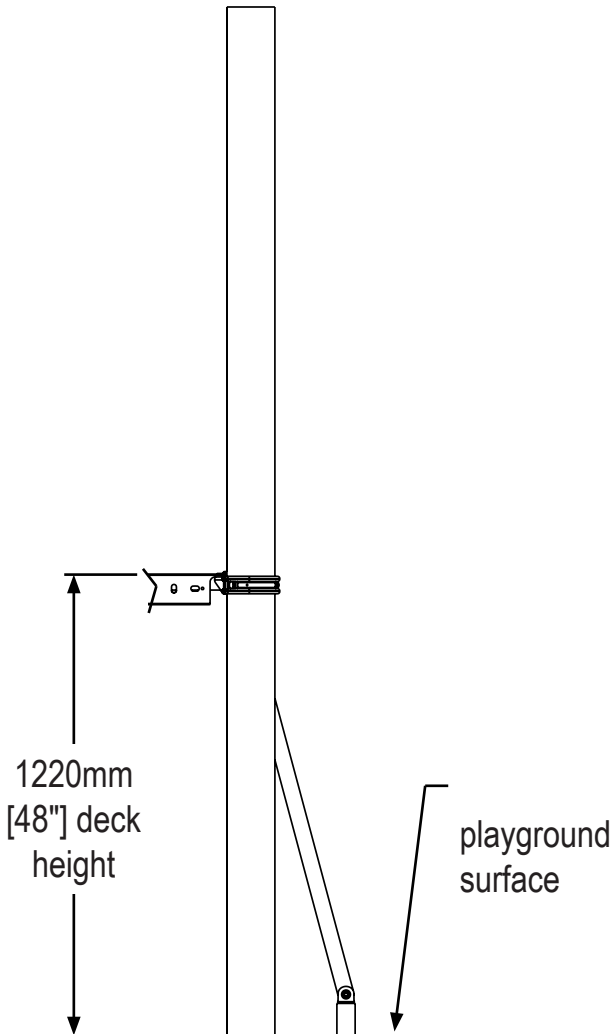
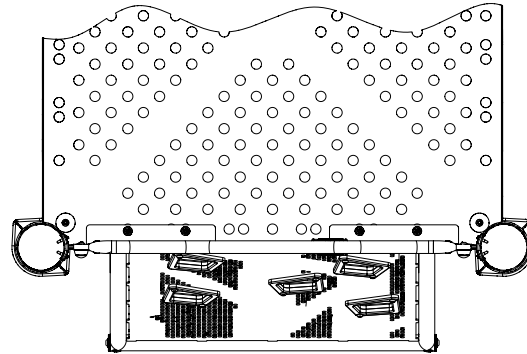
Nu-Edge Birch Climber f/KB

KB300465

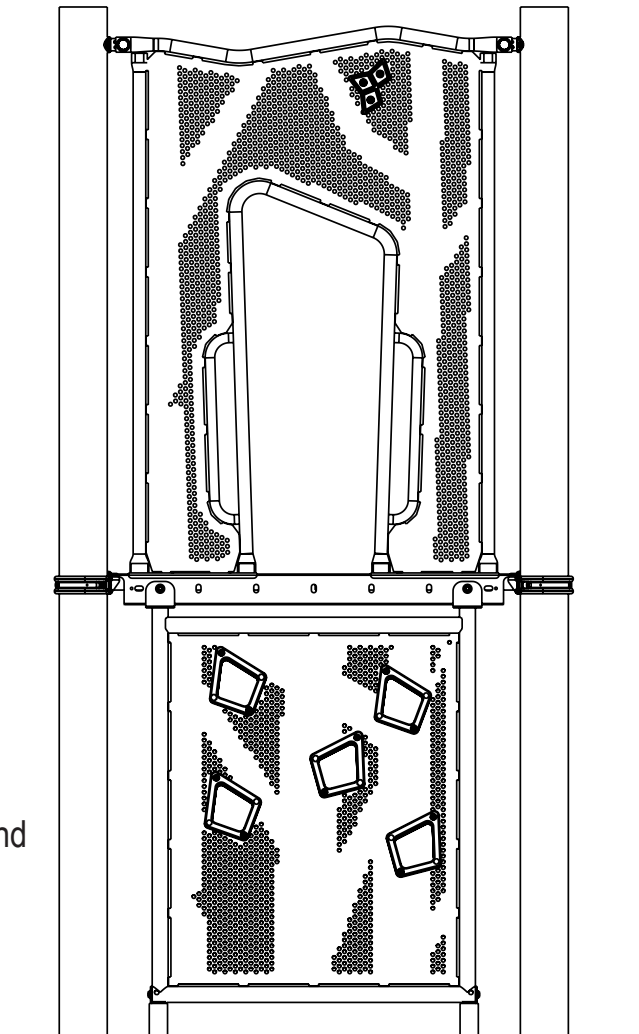
# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

200203758  
Nu-Edge Birch  
Climber f/KB 48"

TOP VIEW



SIDE VIEW

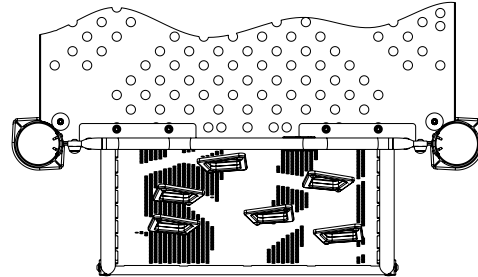


FRONT VIEW

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

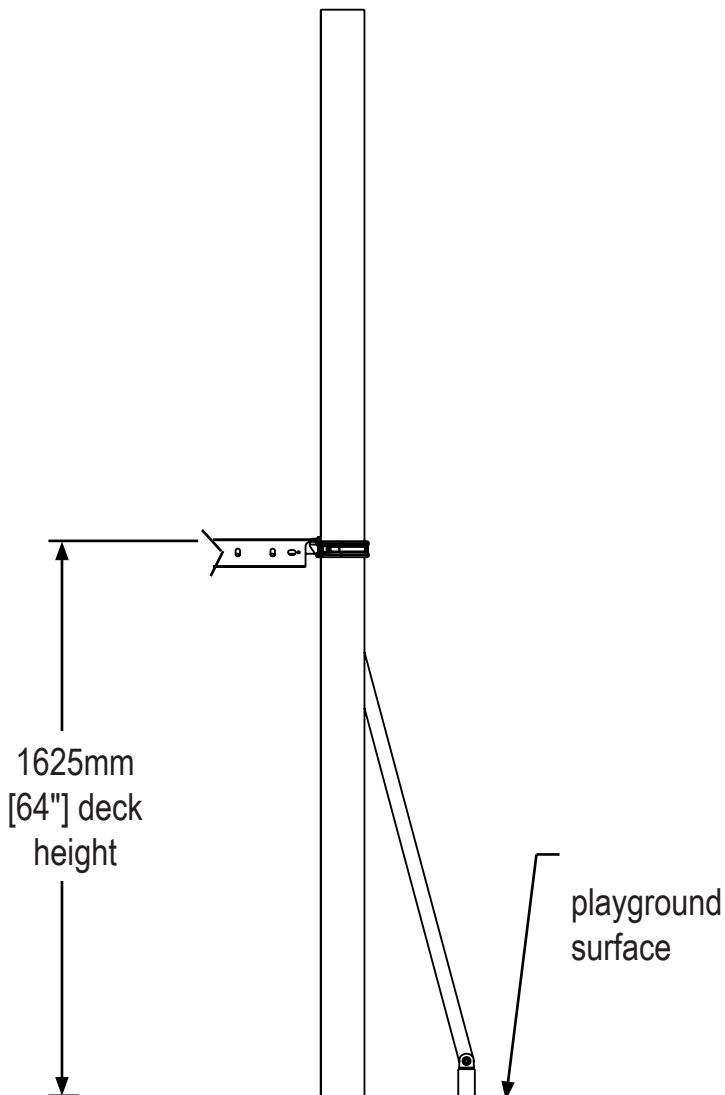
200203759  
Nu-Edge Birch  
Climber f/KB 64"

TOP VIEW

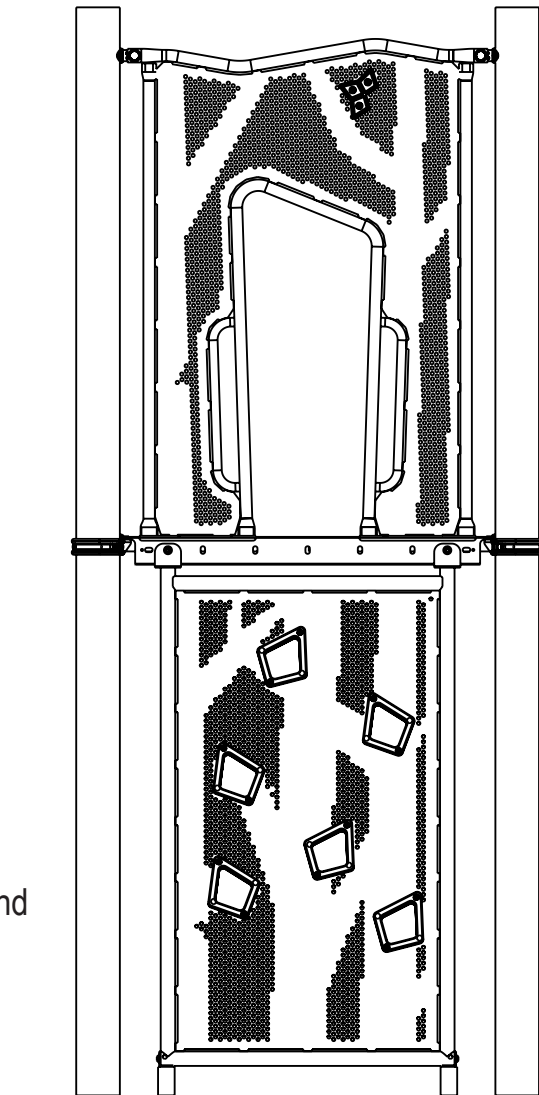


Nu-Edge Birch Climber f/KB

KB300465



SIDE VIEW

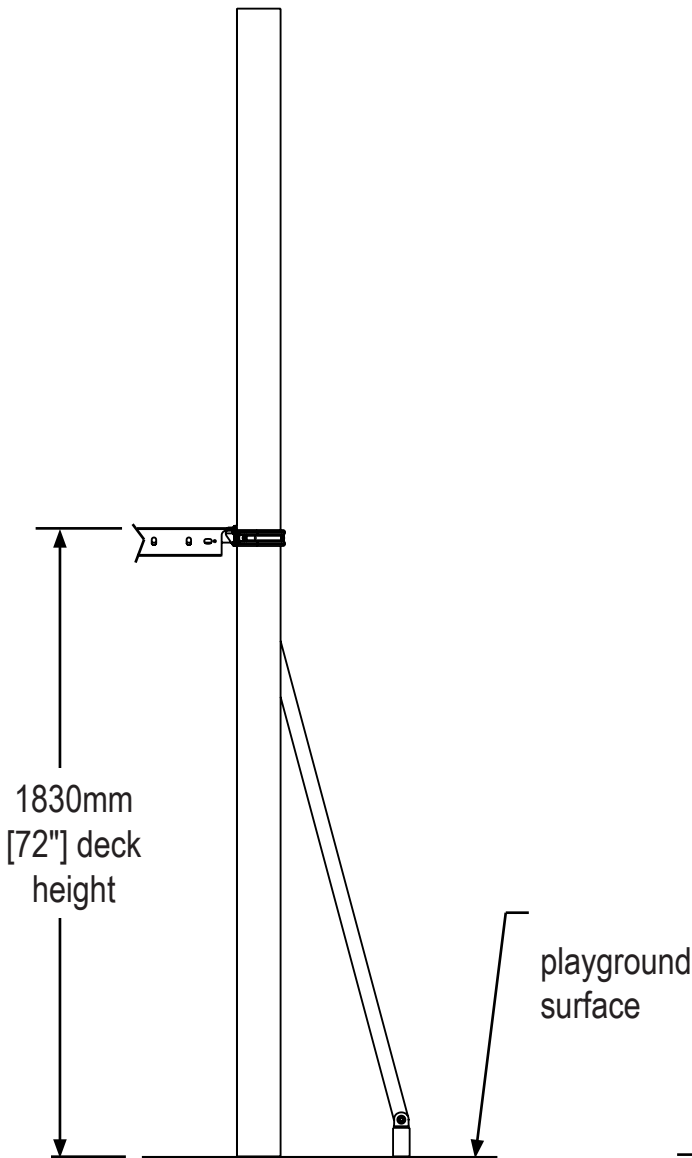
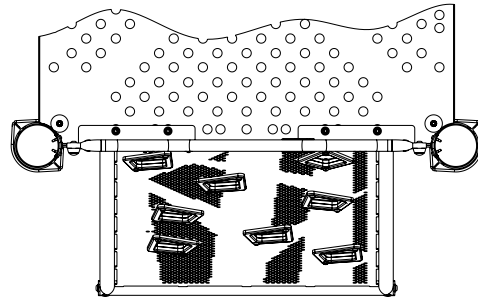


FRONT VIEW

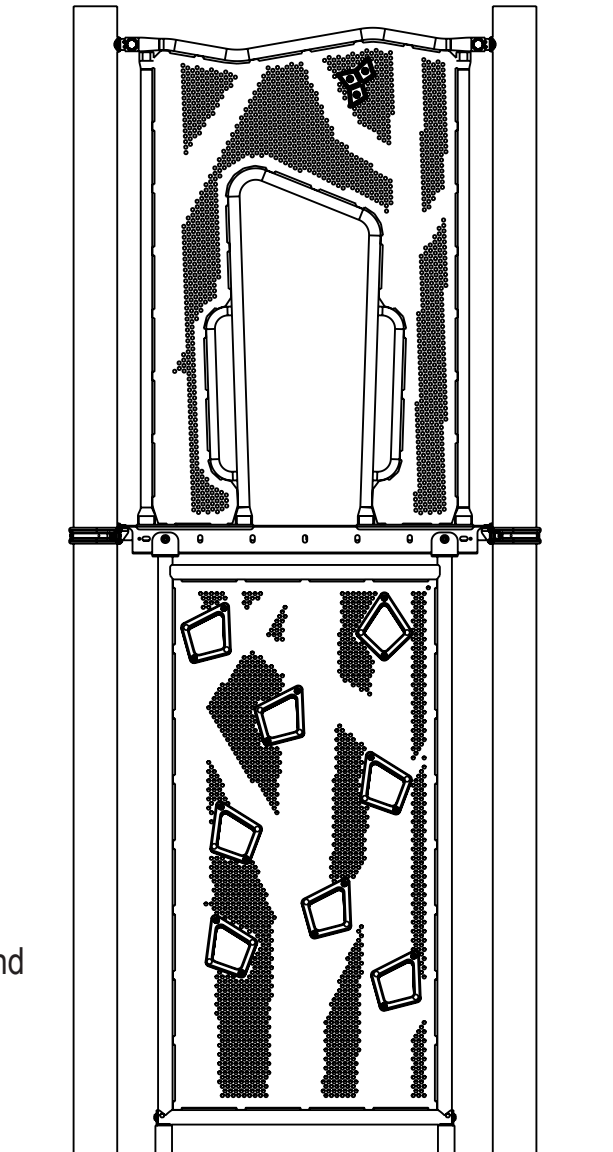
# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

200203760  
Nu-Edge Birch  
Climber f/KB 72"

TOP VIEW



SIDE VIEW

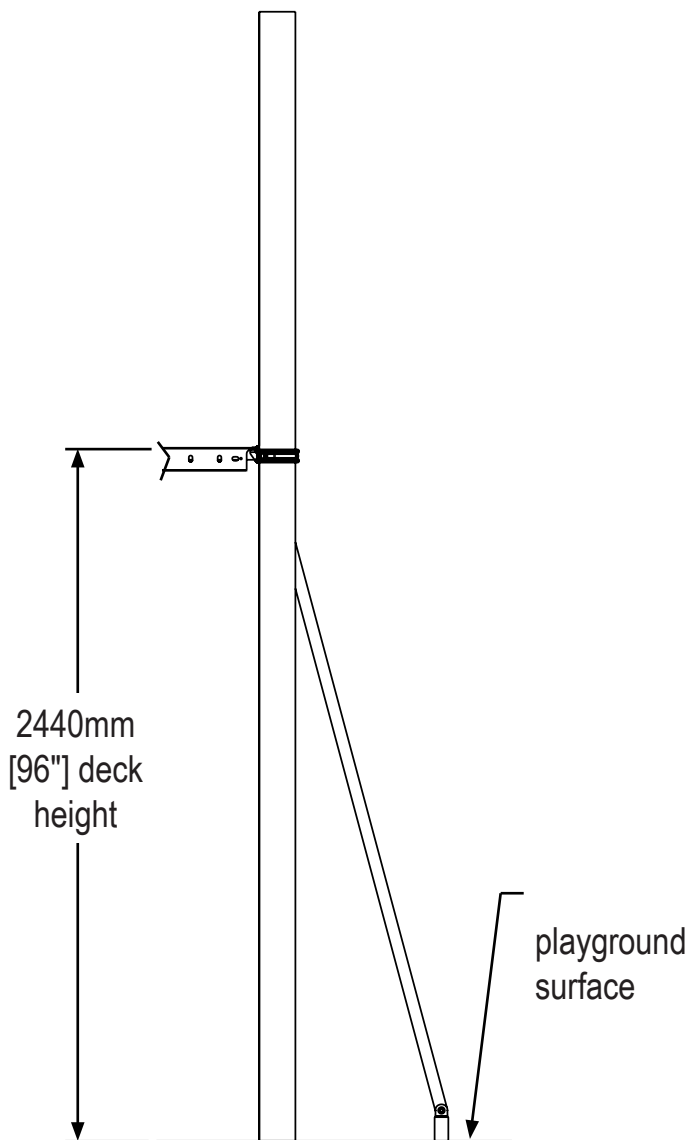
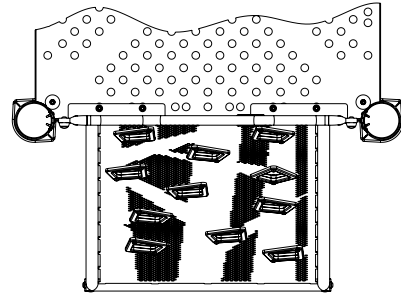


FRONT VIEW

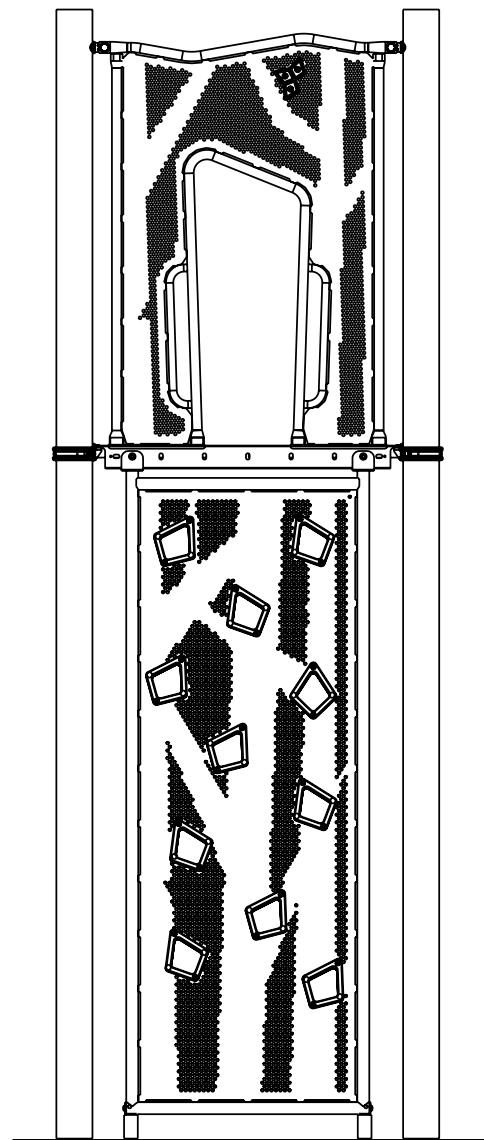
# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

200203761  
Nu-Edge Birch  
Climber f/KB 96"

TOP VIEW



SIDE VIEW



FRONT VIEW

Nu-Edge Birch Climber f/KB

KB300465

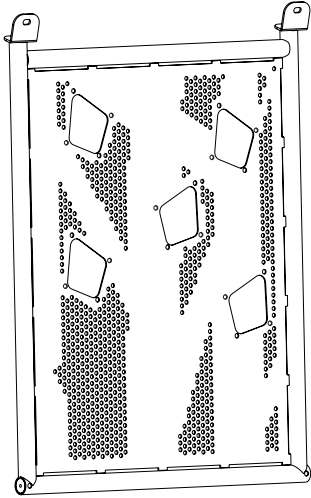


Nu-Edge Birch Climber f/KB

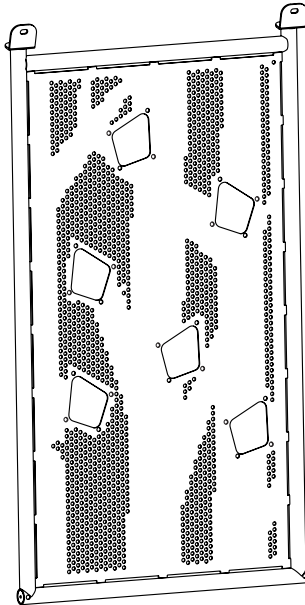
KB300465

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

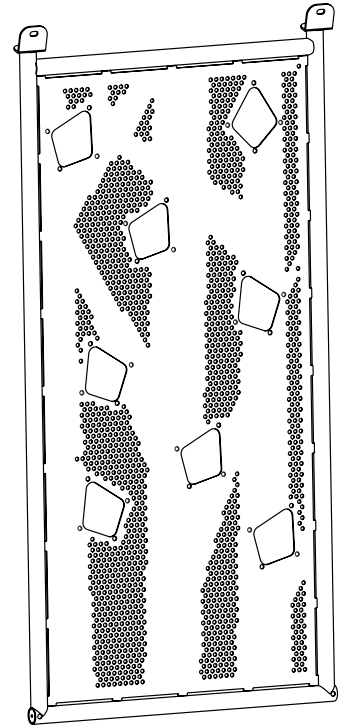
## PARTS IDENTIFICATION



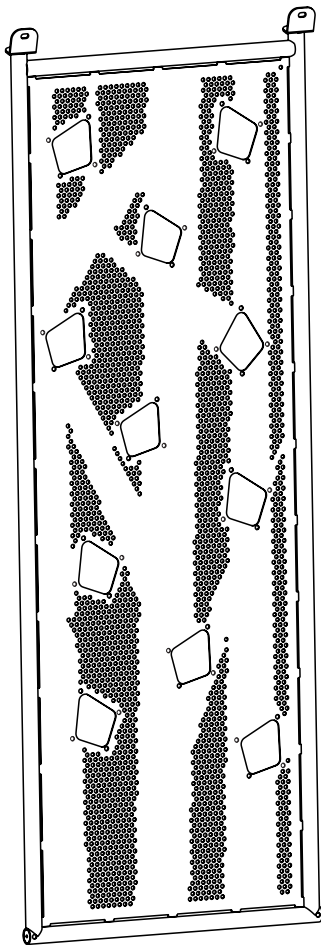
930446\* NU-EDGE NATURE  
48" CLIMBER WLDMNT



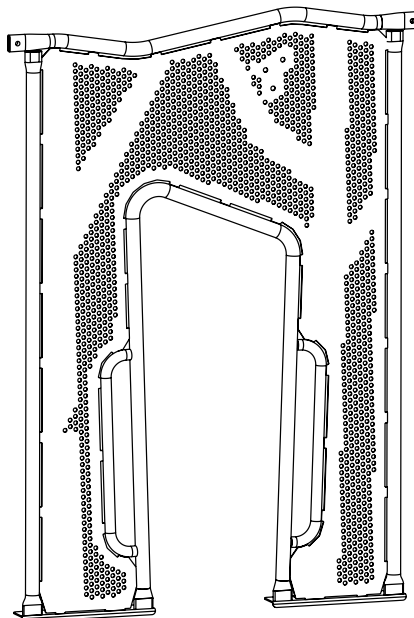
930443\* NU-EDGE NATURE  
64" CLIMBER WLDMNT



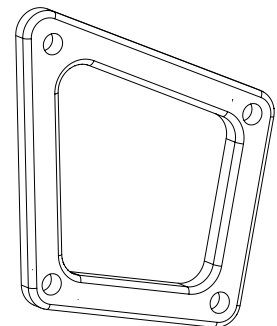
930440\* NU-EDGE NATURE  
72" CLIMBER WLDMNT



930425\* NU-EDGE NATURE  
96" CLIMBER WLDMNT



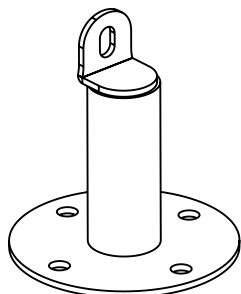
930420\* NU-EDGE NATURE  
KB TCE WLDMNT



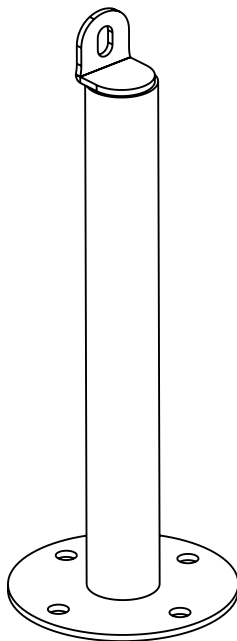
930426\* NU-EDGE  
NATURE CLIMBER  
LEAF

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

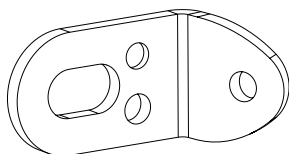
## PARTS IDENTIFICATION



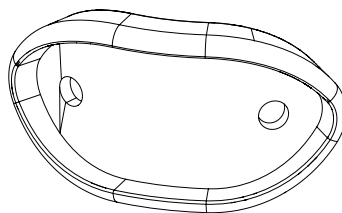
909823\* TILTED ROCK  
CHALL FOOT SM40



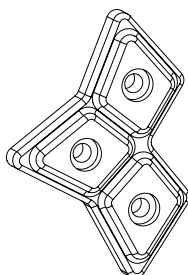
909822\* TILTED ROCK  
CHALL FOOT SM305



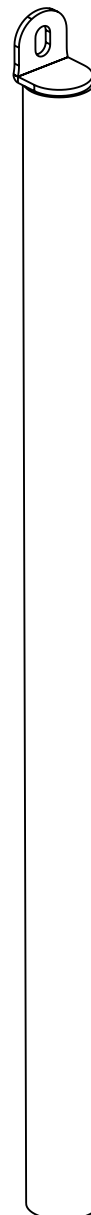
910340\* TAB RAIL  
33.4 F/PB



200058372  
GASKET F/PB  
TABS (SMALL)



930168\* NU-EDGE  
NATURE 3 LEAF



909821\* TILTED ROCK  
CHALL FOOT ING

Nu-Edge Birch Climber f/KB

KB300465

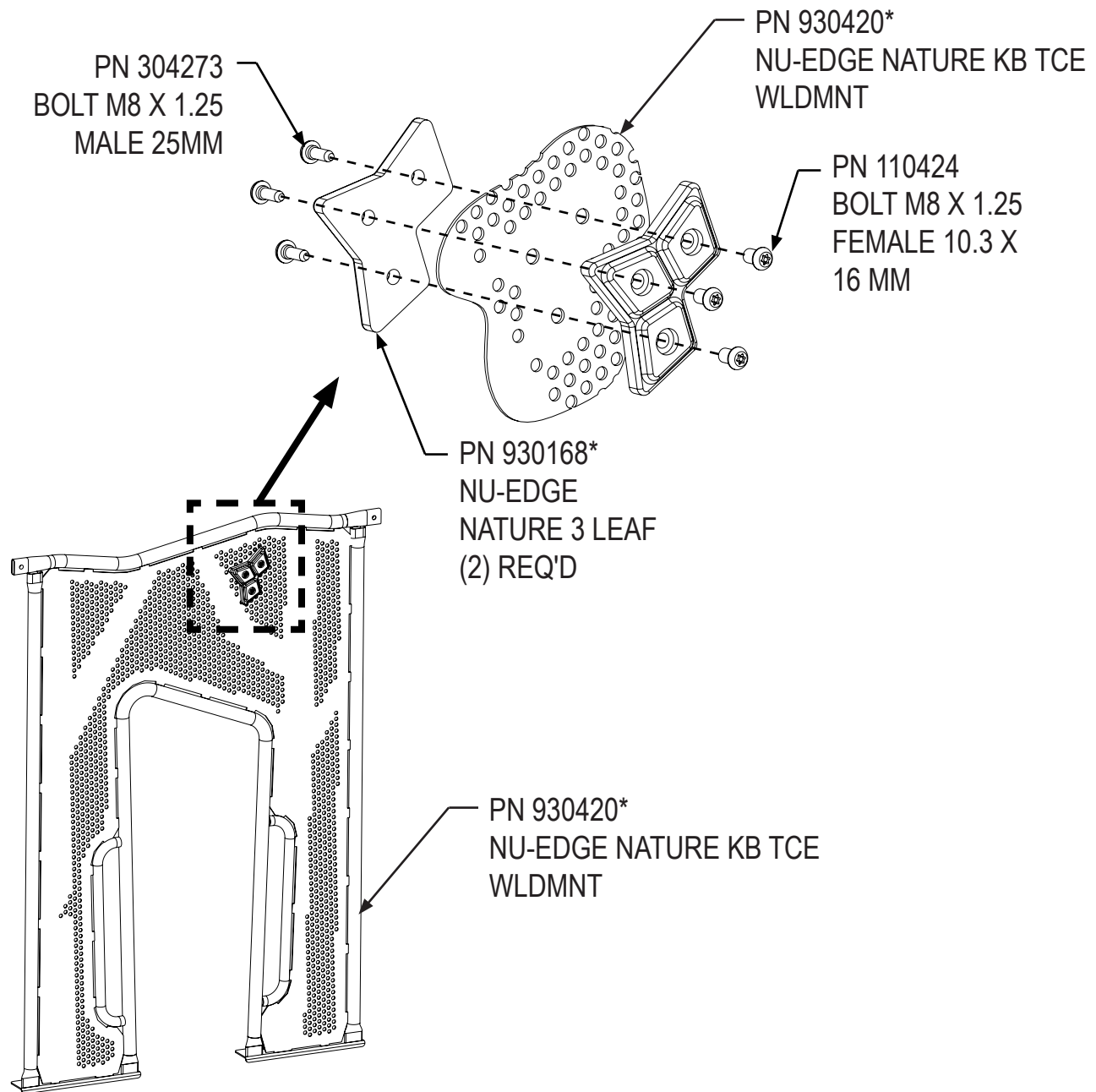
# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## STEP 1 DECK AND POST FOOTINGS

1a. See separate installation instructions for deck and posts. Deck and posts are in place per *Footing Layout* and *Construction Drawings*.

## STEP 2 PRE-ASSEMBLE LEAVES ON TCE WELDMNT PANEL

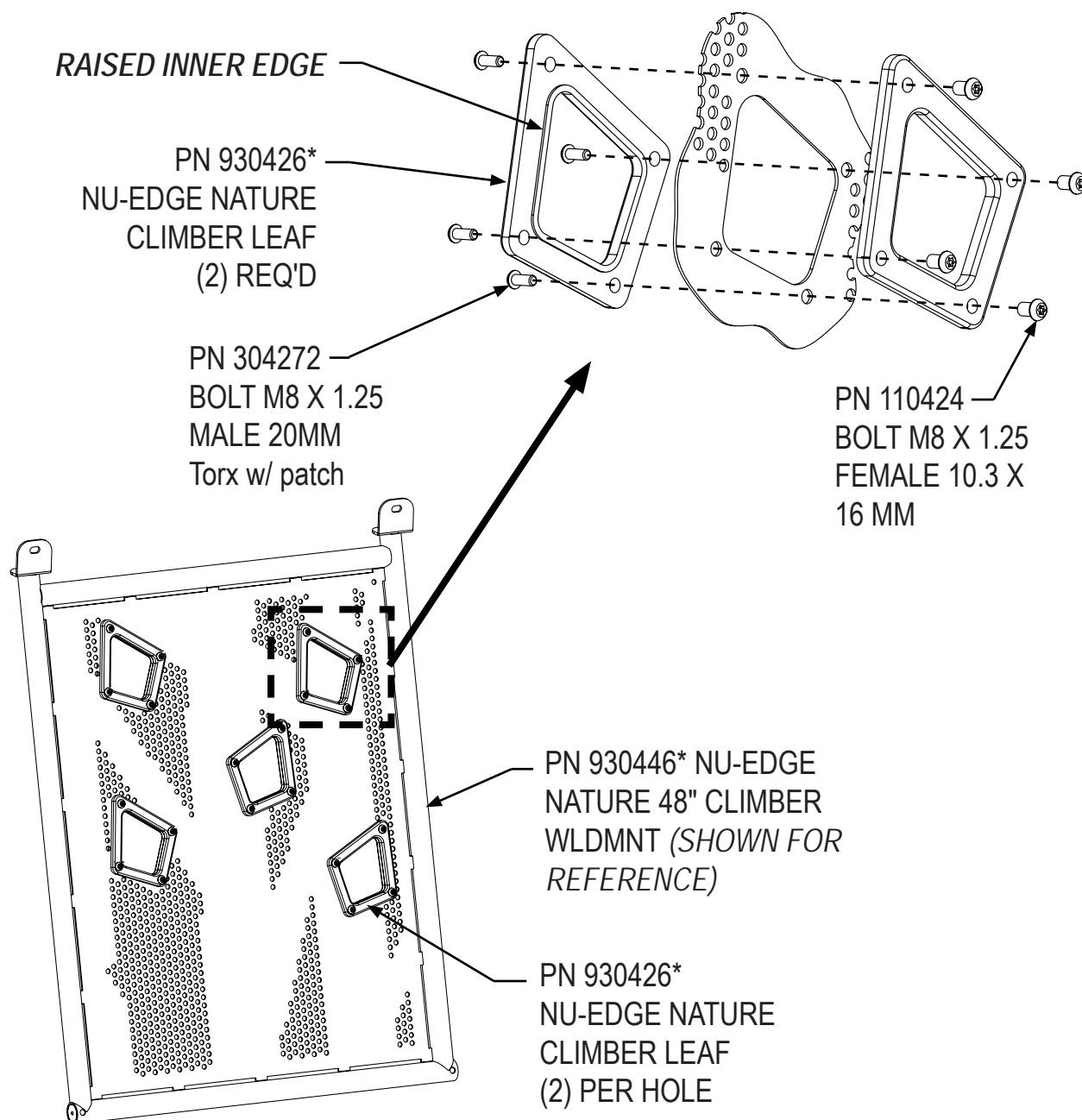
2a. Attach the two leaves on the panel with hardware as shown below leaf towards panel.



## Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

### STEP 3 PRE-ASSEMBLE CLIMBER LEAVES ON CLIMBER WELDMENT

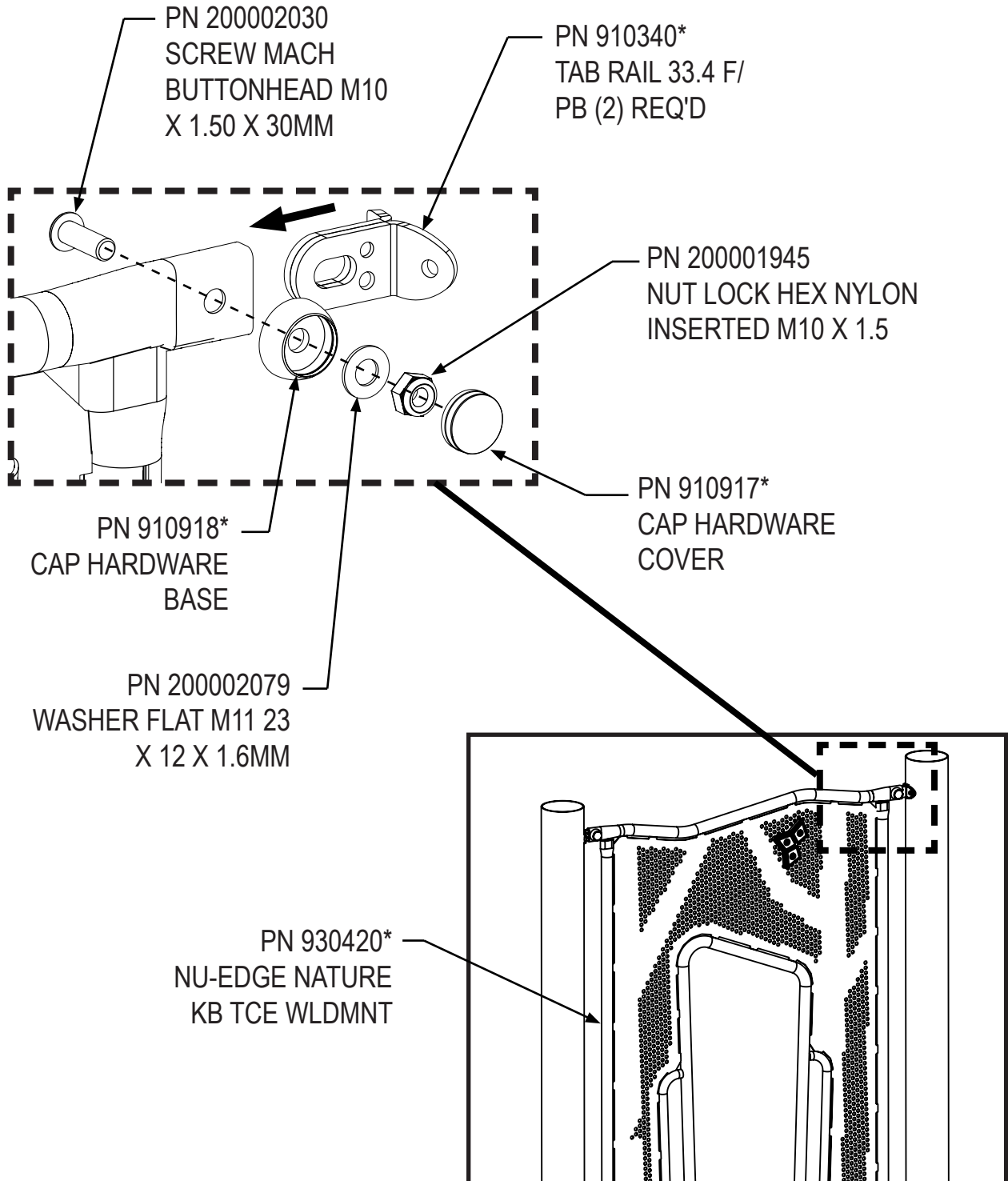
3a. Attach the leaves on both sides of the climber weldment panel. Leaves should be installed with the face with the raised inner edge towards the panel. 48" climber weldment is shown below, refer to customer model for correct climber weldment. The 48" climber weldment has 10 leaves, 64" climber weldment has 12 leaves, 72" climber weldment has 16 leaves, and 96" climber weldment has 22 leaves to be assembled. Attach with hardware in four places per leaf set as shown below.



# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## **STEP 4** ATTACH RAIL TABS TO TCE WELDMENT

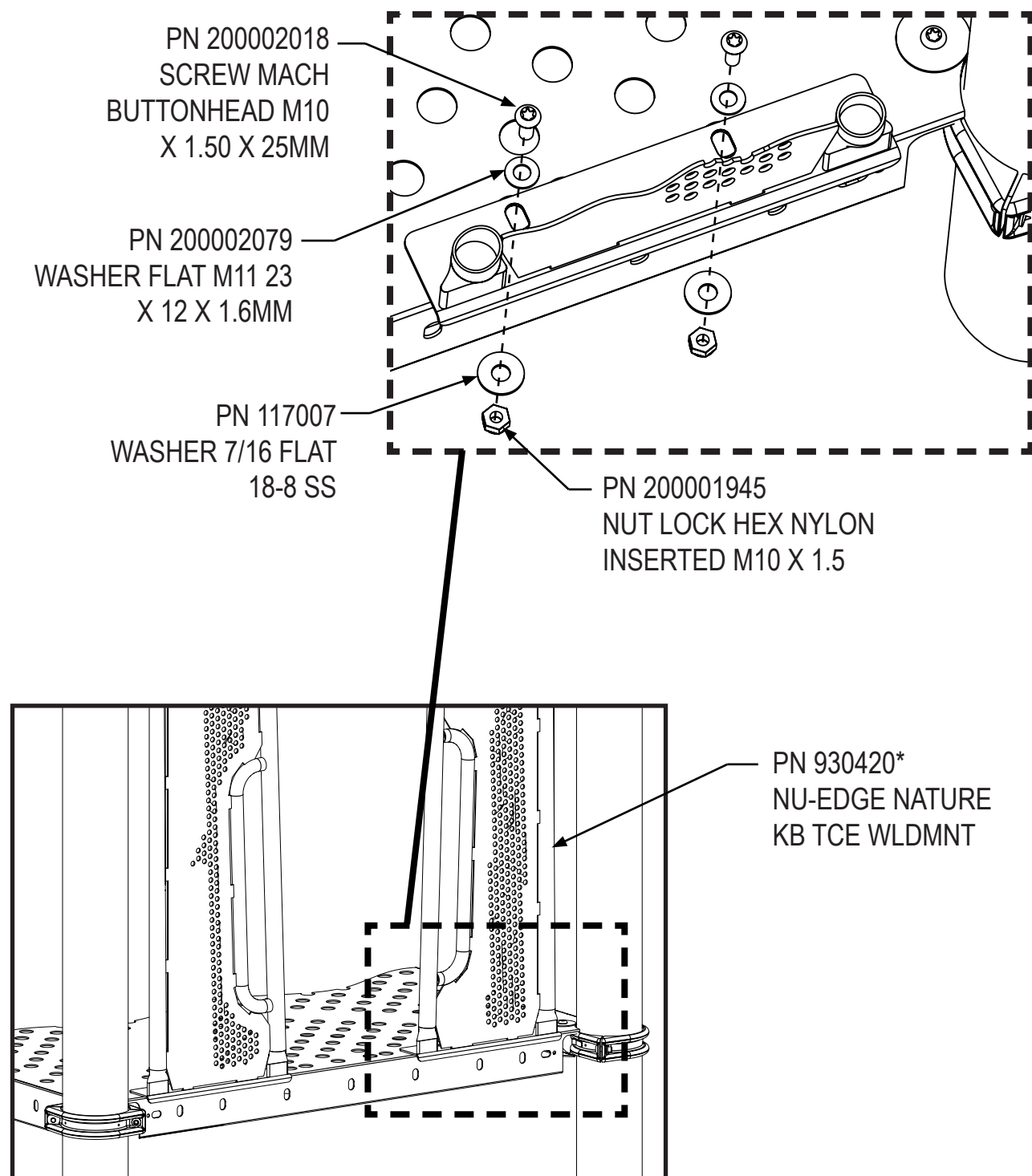
4a. Slide the rail tabs into both ends of the TCE weldment and *loosely* attach rail tabs as shown below.



# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## STEP 5 ATTACH TCE WELDMENT TO DECK

5a. *Loosely* attach TCE weldment to deck in two places per bottom plate with hardware shown below.



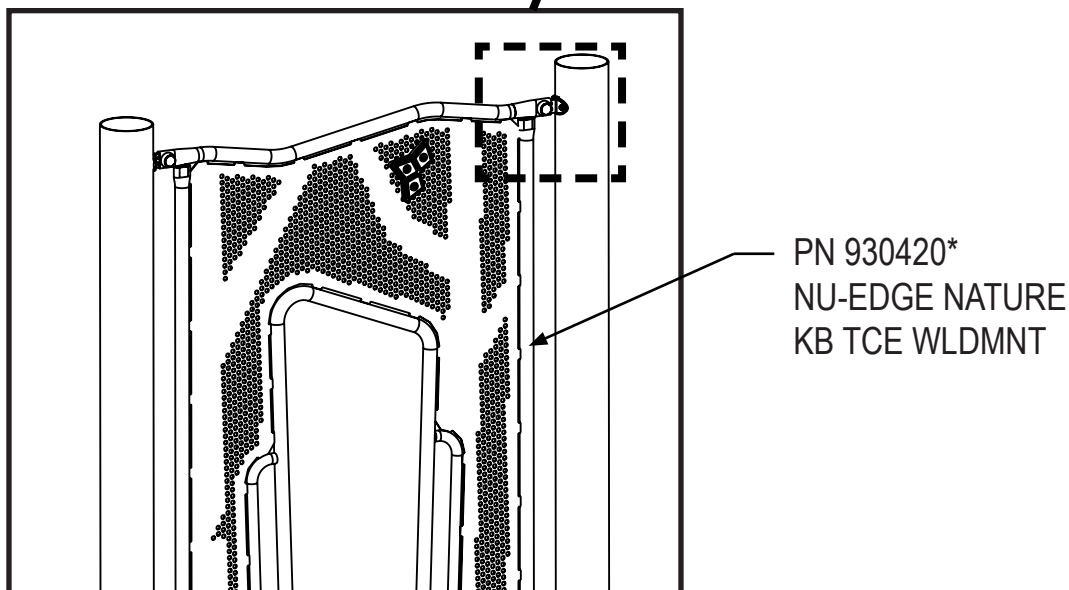
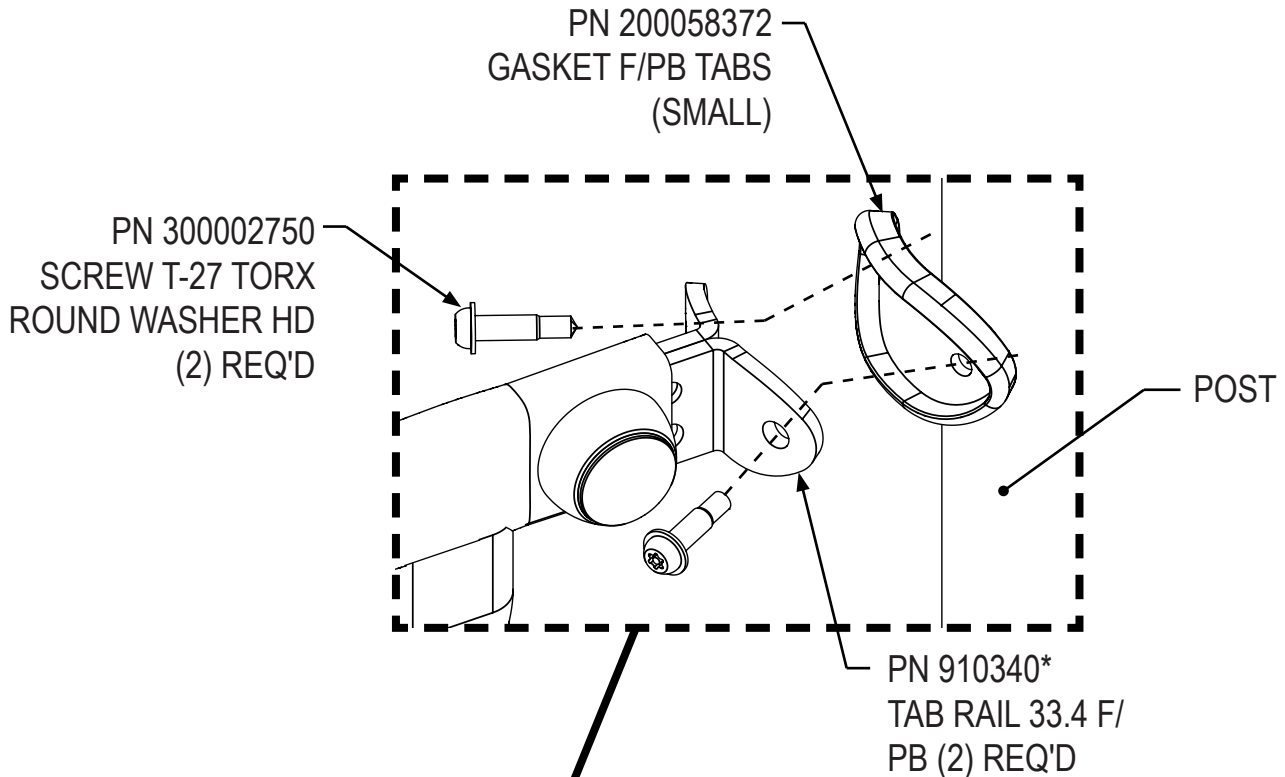
Nu-Edge Birch Climber f/KB

KB300465

# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## **STEP 6** ATTACH TCE WELDMENT TO POSTS

6a. Attach the top of the TCE weldment to the posts with gasket as shown below, and tighten all hardware. Use driver bit PN 200066126 to install screws. Do not exceed 105 in-lbs. torque when installing screws to post.

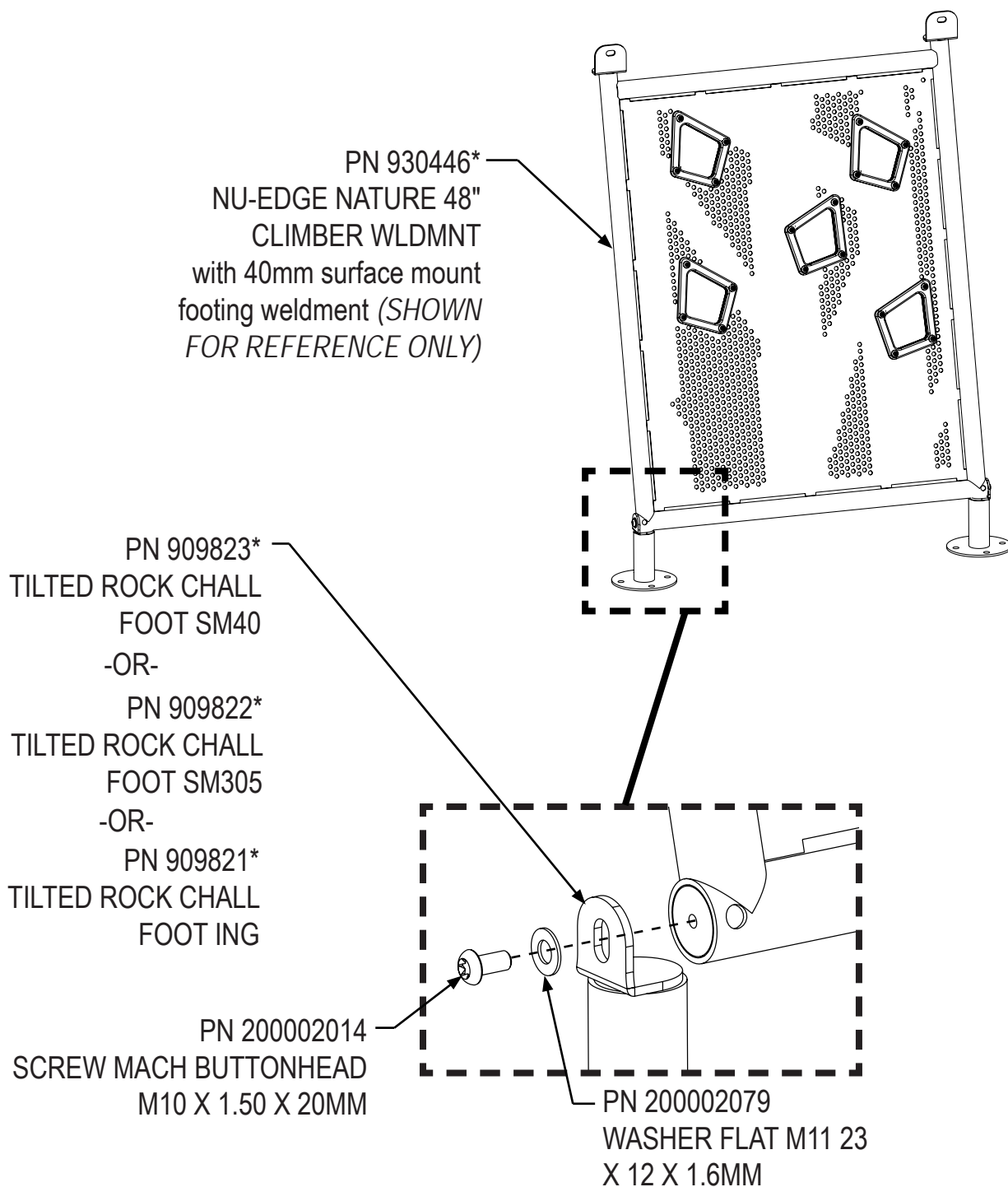




# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## STEP 7 ATTACH FOOTINGS TO CLIMBER WELDMENT

7a. Attach the footing weldment to the bottom of the climber weldment with hardware as shown below. 48" climber weldment with surface mount footing shown below model for correct type of footing and correct climber weldment. All footings attach the same way.

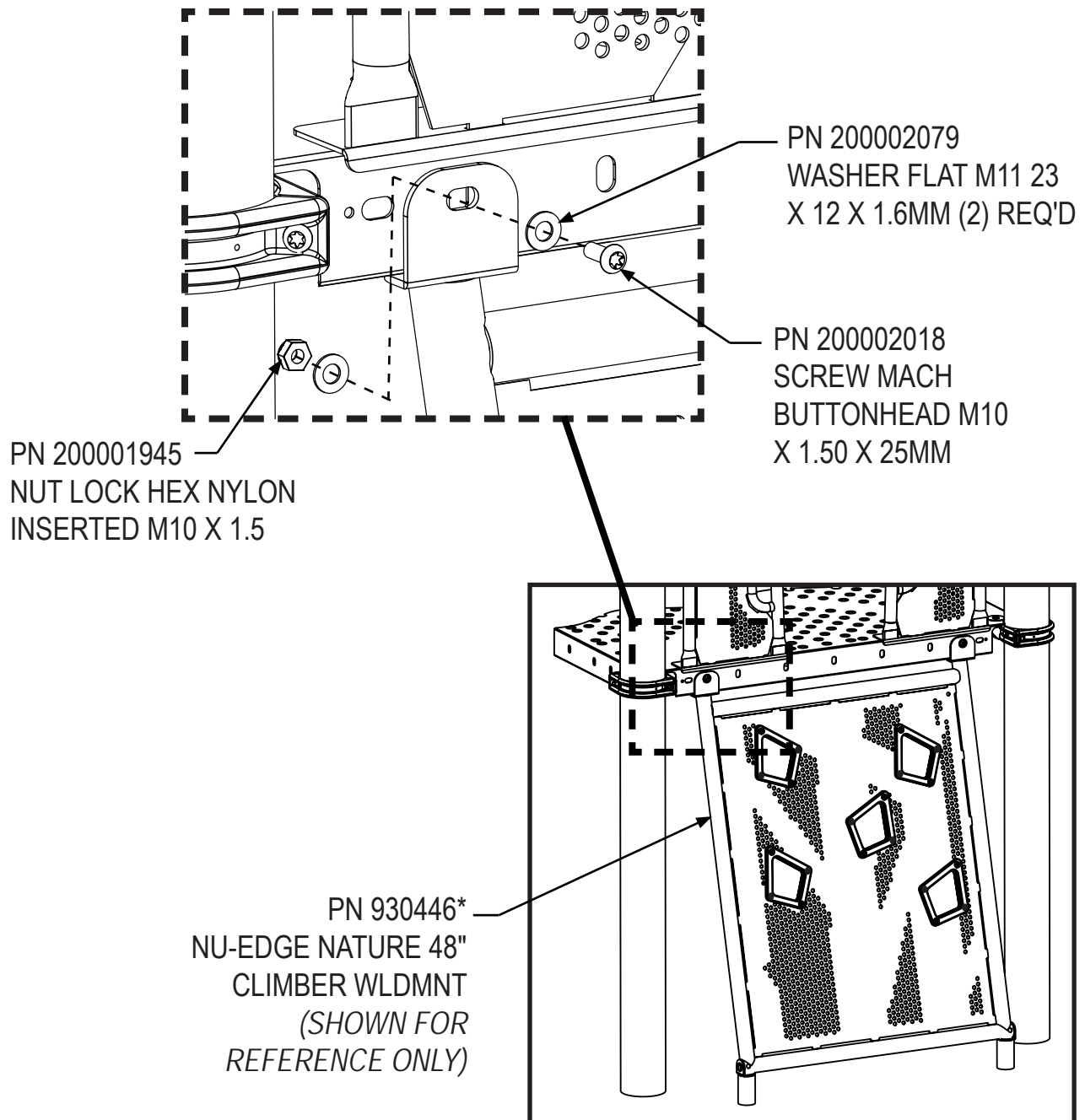




# Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

## **STEP 8** ATTACH CLIMBER WELDMENT TO DECK

8a. Place climber weldment with footings in correct footing location. Attach top of climber weldment to deck in two places with hardware as shown below. 48" climber weldment shown below  
All climber weldments attach the same way. Block up climber weldment to correct height.



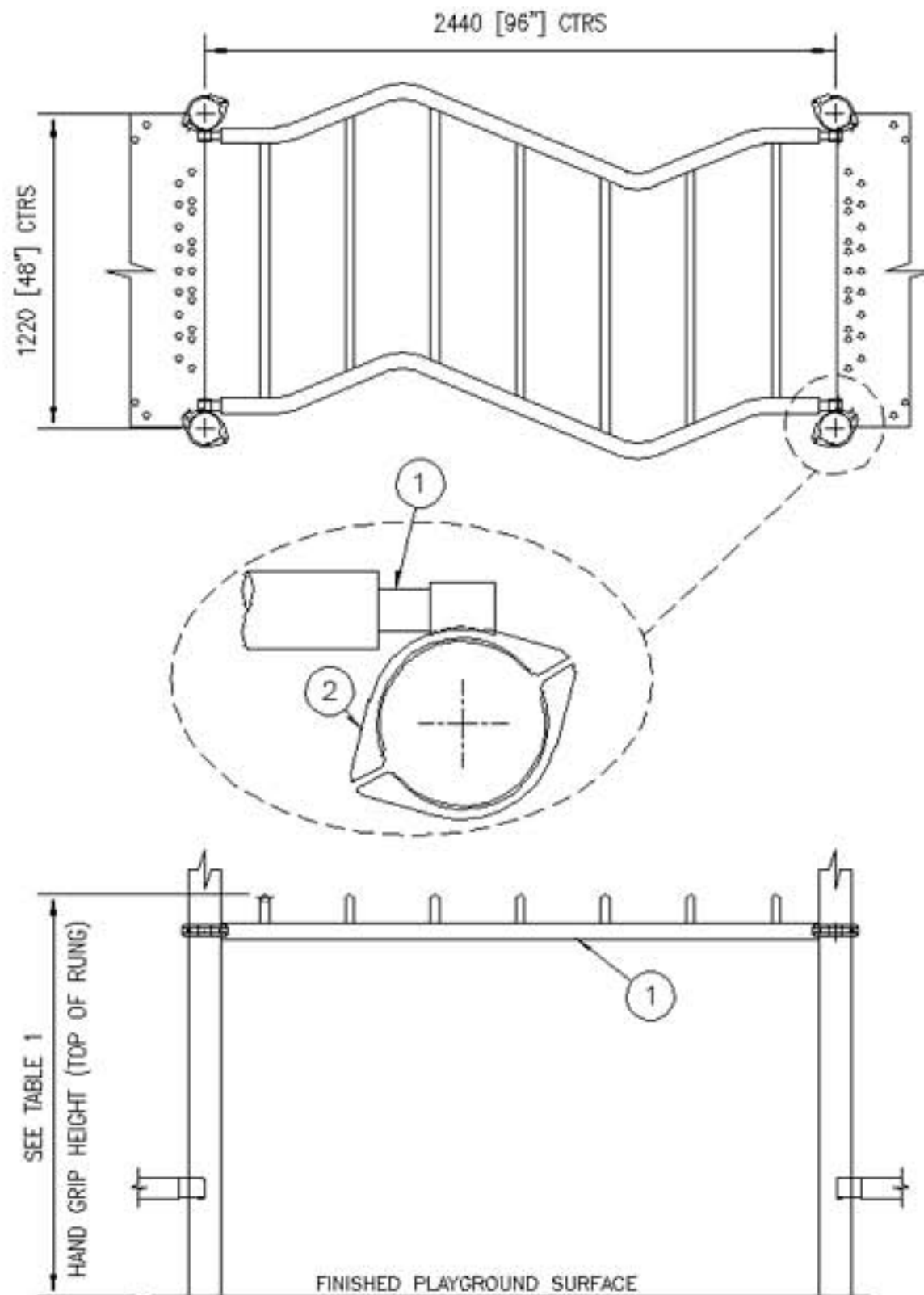
## Kid Builders™ Nu-Edge Birch Climber 48", 64", 72", 96"

### **STEP 9** COMPLETE ASSEMBLY

9a. Level and plumb assembly, tighten all hardware, and secure cap covers.

### **FINAL STEP**

Proceed with ***Final Assembly*** installation.



## WAVY CHALLENGE LADDER 200013877

AUTHORIZED BY:

*Chris M. Newberry*

20JUN07

Item	Code	Description	Qty.
1	-	WAVY BEAM CHALLENGE LADDER 2440 F/KB	1
2	-	RAIL CLAMP - W/WEDGE/30 DEG. ATTACH.	4

### Application

-For ages 2-5 or 5-12.

### Installation Instructions

1. Prepare footings
2. Install posts.
3. Slide four wedge clamps onto Challenge Ladder stubs.
4. Position Challenge Ladder at proper height and attach wedge clamps to posts (Refer to the front of the manual for clamp installation detail).
5. Tighten all hardware and install clamp drive pins.
6. Complete footings and install resilient surfacing.



TABLE 1

Age Group	Hand Grip Height
2-5 Years	1524mm [60"]
5-12 Years	1981mm [78"]

NOTE: FOR UNDERSURFACING &amp; FOOTINGS REFER TO SEPARATE INSTRUCTIONS

# INSTALL INSTRUCTION F/KB BOINGO

KB600068B

SHEET 1 OF 4

AUTHORIZED BY: 07FEB22

TRACY ARCHER

## KB BOINGO 200203205

ITEM	PART NO.	DESCRIPTION	QTY
1	925996*	SUPPORT LEFT BEATBUBBLE F/5" POST	1
2	925995*	SUPPORT RIGHT BEATBUBBLE F/5" POST	1
3	998915	BOINGO FRAME	1
4	993773*	DRUM, ROTOMOLDED - 13" DIA	1
5	993573	X-LARGE GASKET	2
6	200112520	ROD THREADED M8 X 1.25 X 135MM-PARTS RM	2
7	HW999370-1	HRDW PKG KB BOINGO M1/1	1

## HDWR PKG KB BOINGO M1/1-HW999370-1

ITEM	PART NO.	DESCRIPTION	QTY
8	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30MM	8
9	200002138	BOLT M8 X 1.25 MALE 42.5MM	4
10	104749	BOLT 1/4-20 X 1 1/4 BHCS 6 LOBE 18-8 SS	4
11	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57MM	8
12	117001	WASHER 1/4 FLAT 18-8 SS MS15795-811	4
13	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	4

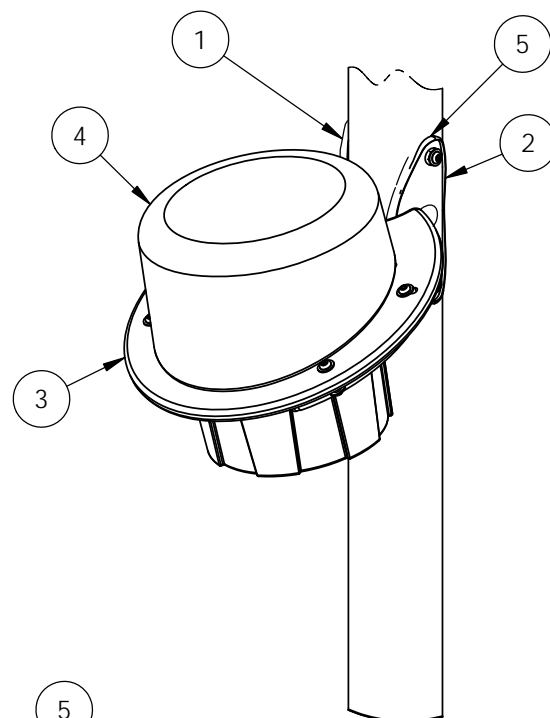
Note: An (\*) by a part number (CODE) indicates: Color Code Required.

### Application:

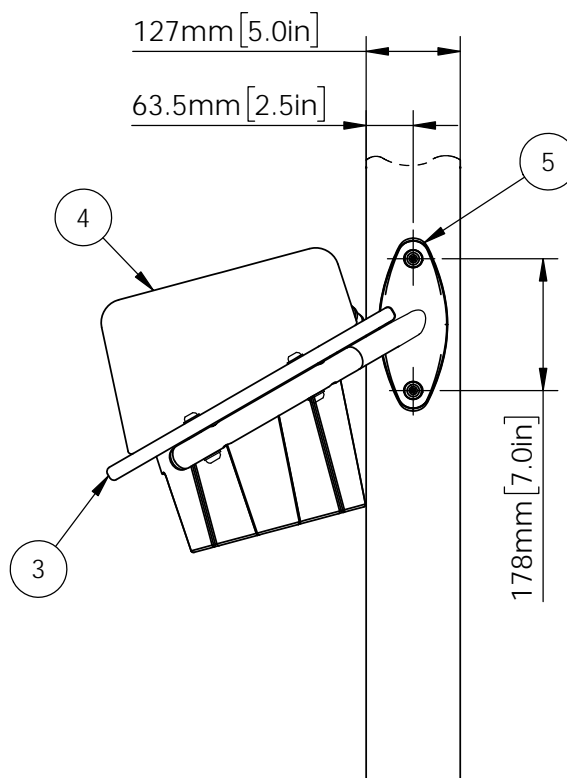
- Installed below deck only.

### Installation Instructions:

1. Drill two (2) holes through the existing KB post. Distance between upper and lower hole is 178mm [7"] as shown in Side View, Sheet 1. Make sure drill is level. Drill two (2) 13mm [1/2"] diameter holes through the KB post.
2. Attach left and right supports (Items 1, 2) along with gaskets (Items 5) as shown in DETAIL 1, Sheet 3.
3. Assemble drum (Item 4) to frame (Item 3) as shown in DETAIL 2, Sheet 3. Longer side of the drum top should be opposite to cutout in frame.
4. Bolt this assembly onto the left and right supports in four (4) locations as shown in DETAIL 3, Sheet 4.
5. Tighten all hardware.



3D VIEW



SIDE VIEW

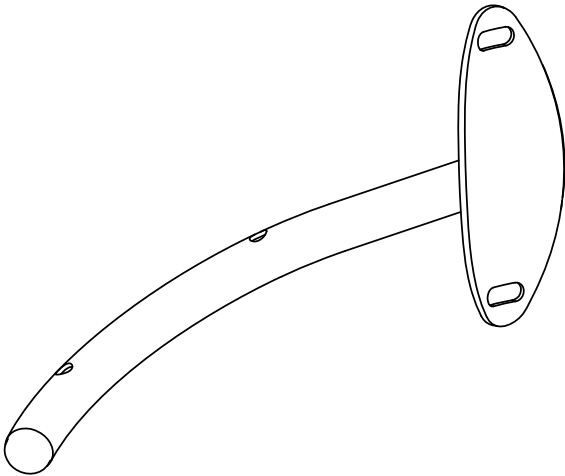
# INSTALL INSTRUCTION F/KB BOINGO

KB600068B

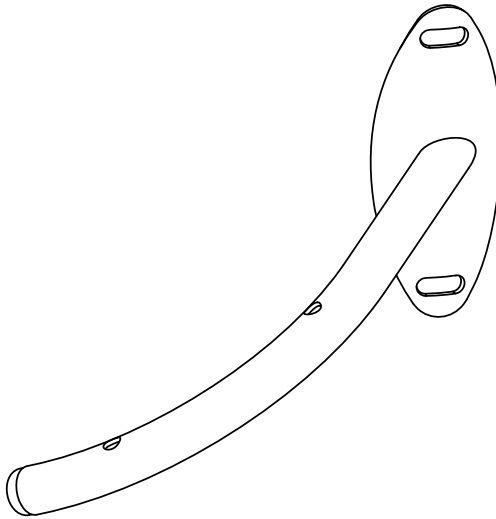
SHEET 2 OF 4

AUTHORIZED BY: 07FEB22  
*TRACY ARCHER*

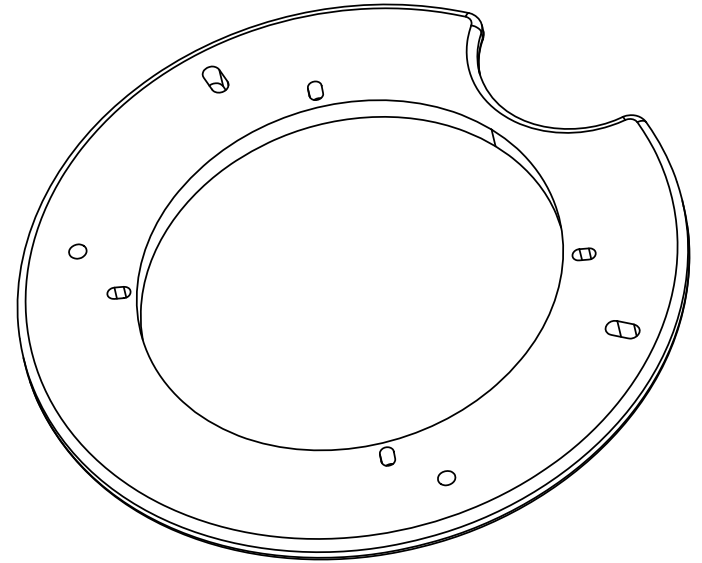
1



2

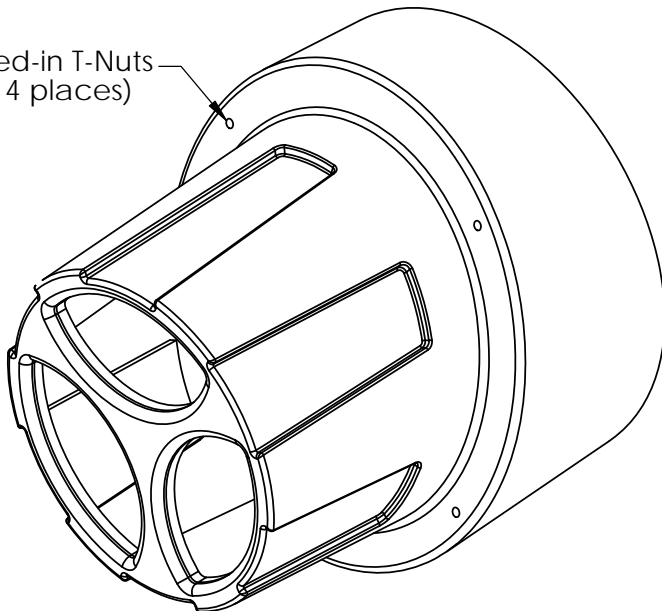


3

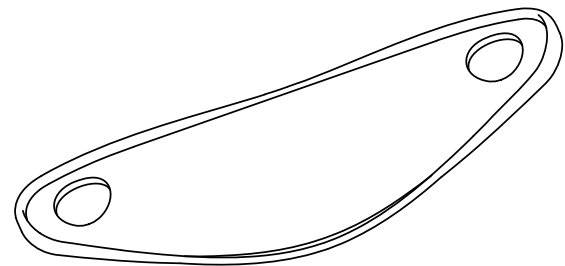


4

Molded-in T-Nuts  
(typ 4 places)



5

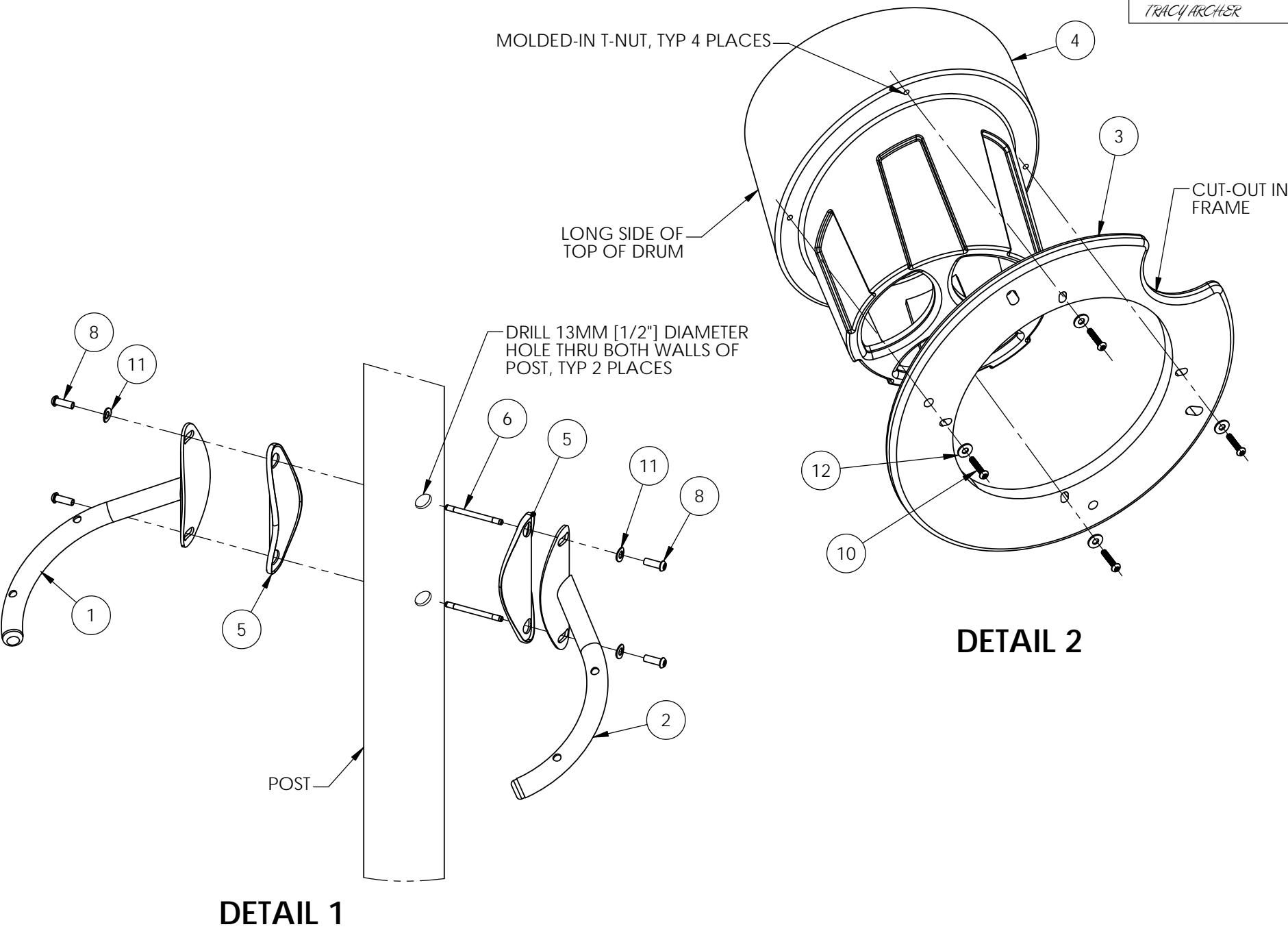


# INSTALL INSTRUCTION F/KB BOINGO

KB600068B

SHEET 3 OF 4

AUTHORIZED BY: 07FEB22  
*TRACY ARCHER*

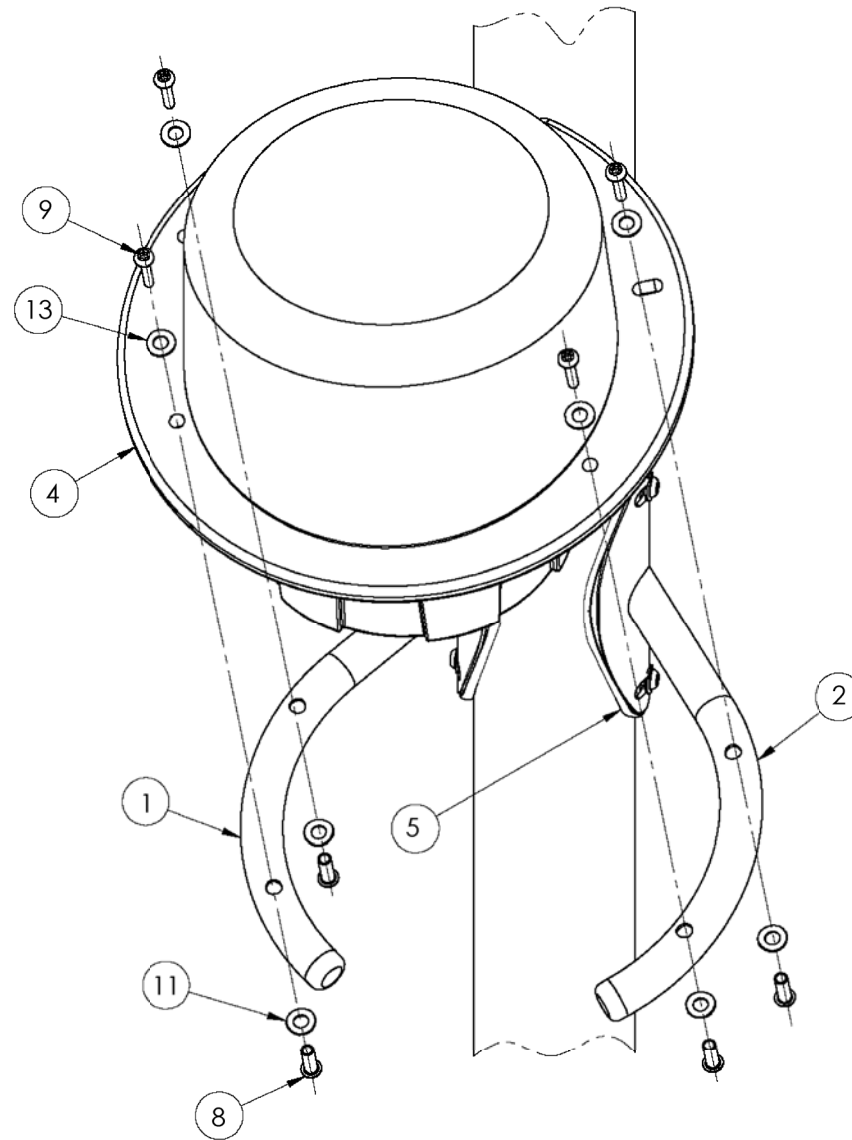


# INSTALL INSTRUCTION F/KB BOINGO

KB600068B

SHEET 4 OF 4

AUTHORIZED BY: 07FEB22  
*TRACY ARCHER*



**DETAIL 3**

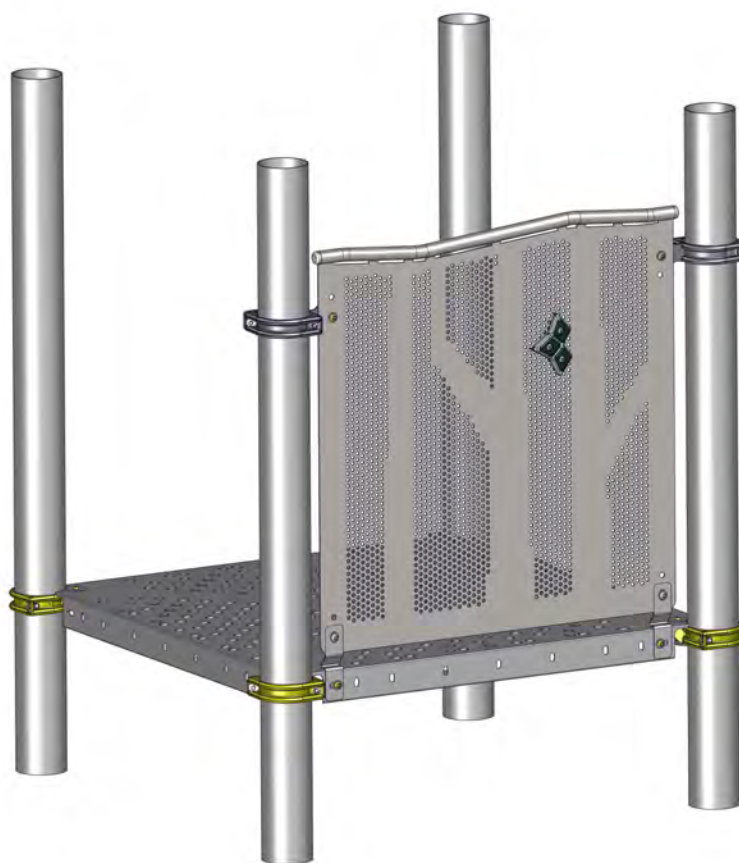
## Kid Builders™ Nu-Edge Birch Barrier

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

**KB600074**

**200203752**

**Nu-Edge Birch Barrier f/KB**



### NOTES:

Deck and posts are not included in this model.

An (\*) by a part number (Code) indicates: Color Code Required.



# Kid Builders™ Nu-Edge Birch Barrier

## *NU-EDGE BIRCH BARRIER F/KB Model 200203752*

CODE	DESCRIPTION	QTY
930447*	NU-EDGE NATURE KB BARRIER W/LDMNT	1
909257*	CLAMP WING F/KB (2001)	2
930948*	PC F/NU-EDGE BIRCH 3 LEAF	1
930967*	PC F/NU-EDGE BIRCH KB BARRIER	1

## **CLAMP WING F/KB (2001) 909257\***

CODE	DESCRIPTION	QTY
200002486	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
200108323	CLAMP HALF W/TAB F/KB WING CLAMP ZINC	1

## *PC F/NU-EDGE BIRCH 3 LEAF 930948\**

CODE	DESCRIPTION	QTY
930168*	NU-EDGE NATURE 3 LEAF	2
HW203752-1	HRDW PKG NU-EDGE BIRCH 930168 S1/1	1

## *HRDW PKG NU-EDGE BIRCH 930168 S1/1 HW203752-1*

CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	3
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	3

## *PC F/NU-EDGE BIRCH KB BARRIER 930967\**

CODE	DESCRIPTION	QTY
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
HW109839-1	HRDW PKG KB DKMT STL PANS S1/1	1
910452*	TAB F/PANEL MOUNTING F/KB (2001)	2

## *HRDW PKG F/2SETS O/CLAMPS S1/1 HW2CLMPSET-1*

CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

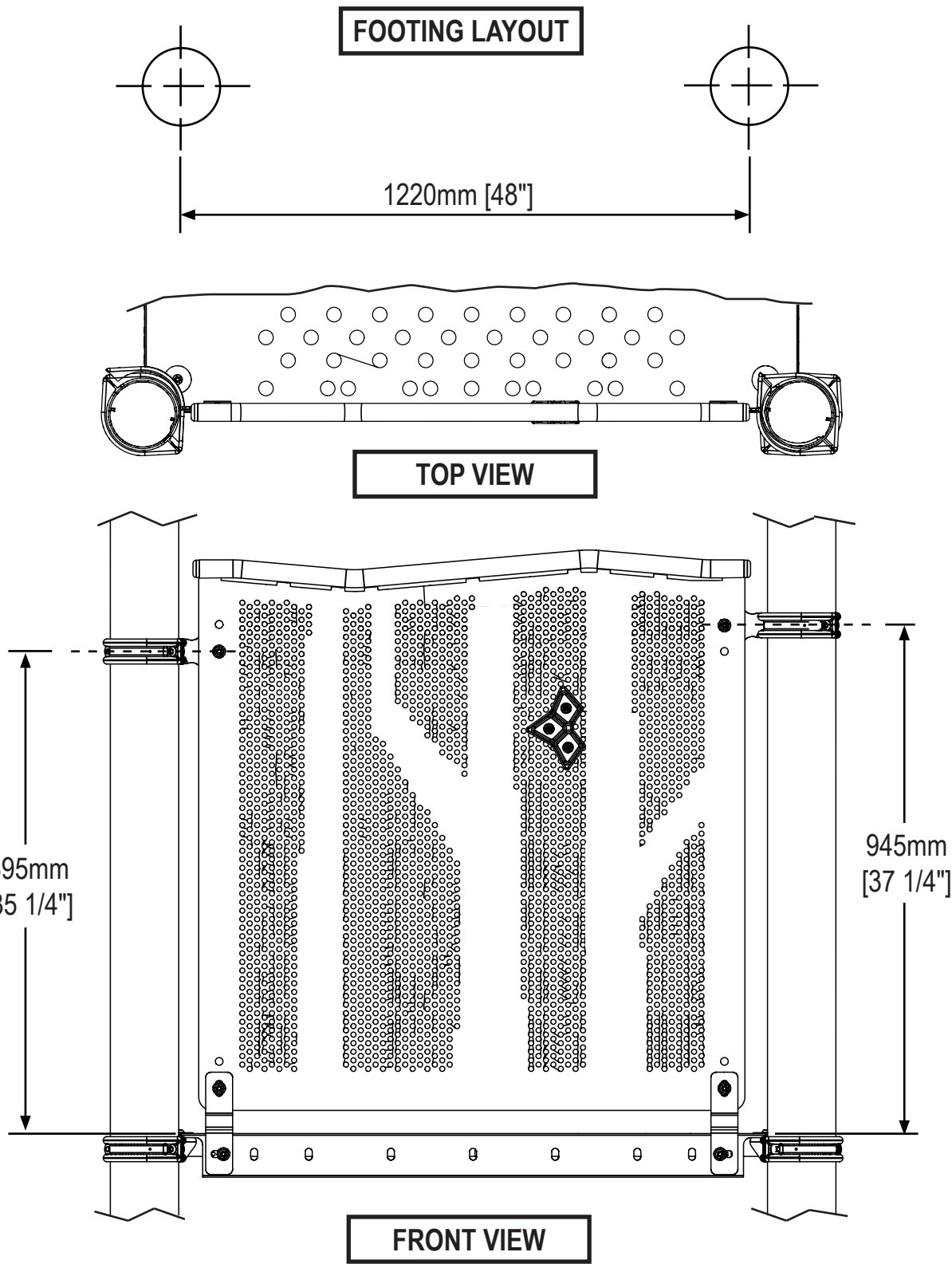
## Kid Builders™ Nu-Edge Birch Barrier

<i>HRDW PKG KB DKMT STL PANS S1/1 HW109839-1</i>		
CODE	DESCRIPTION	QTY
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
200001945	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM	4
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	12

Nu-Edge Birch Barrier f/KB

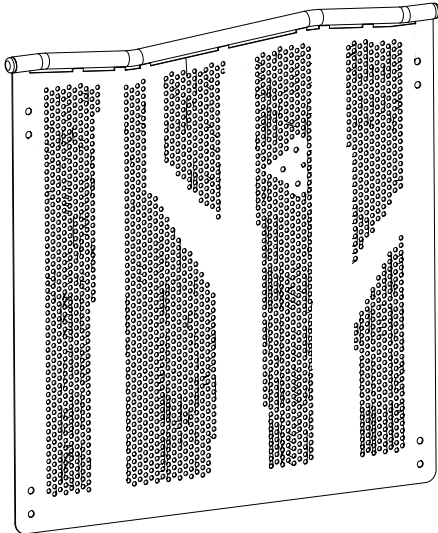
KB600074

# Kid Builders™ Nu-Edge Birch Barrier

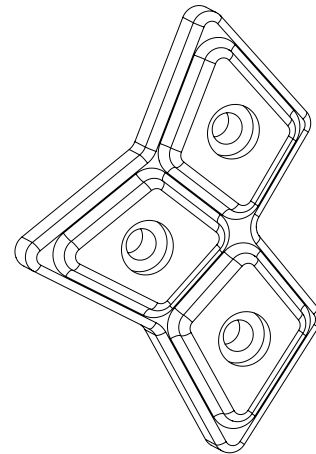


# Kid Builders™ Nu-Edge Birch Barrier

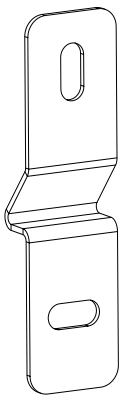
## PARTS IDENTIFICATION



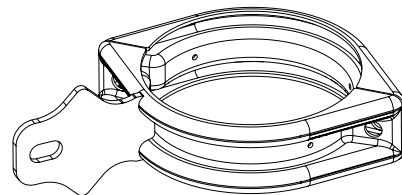
930447\* NU-EDGE NATURE  
KB BARRIER WLDMNT



930168\* NU-EDGE NATURE 3  
LEAF



910452\* TAB F/PANEL  
MOUNTING F/KB (2001)



909257\* CLAMP WING F/  
KB (2001)

Nu-Edge Birch Barrier f/KB

KB600074

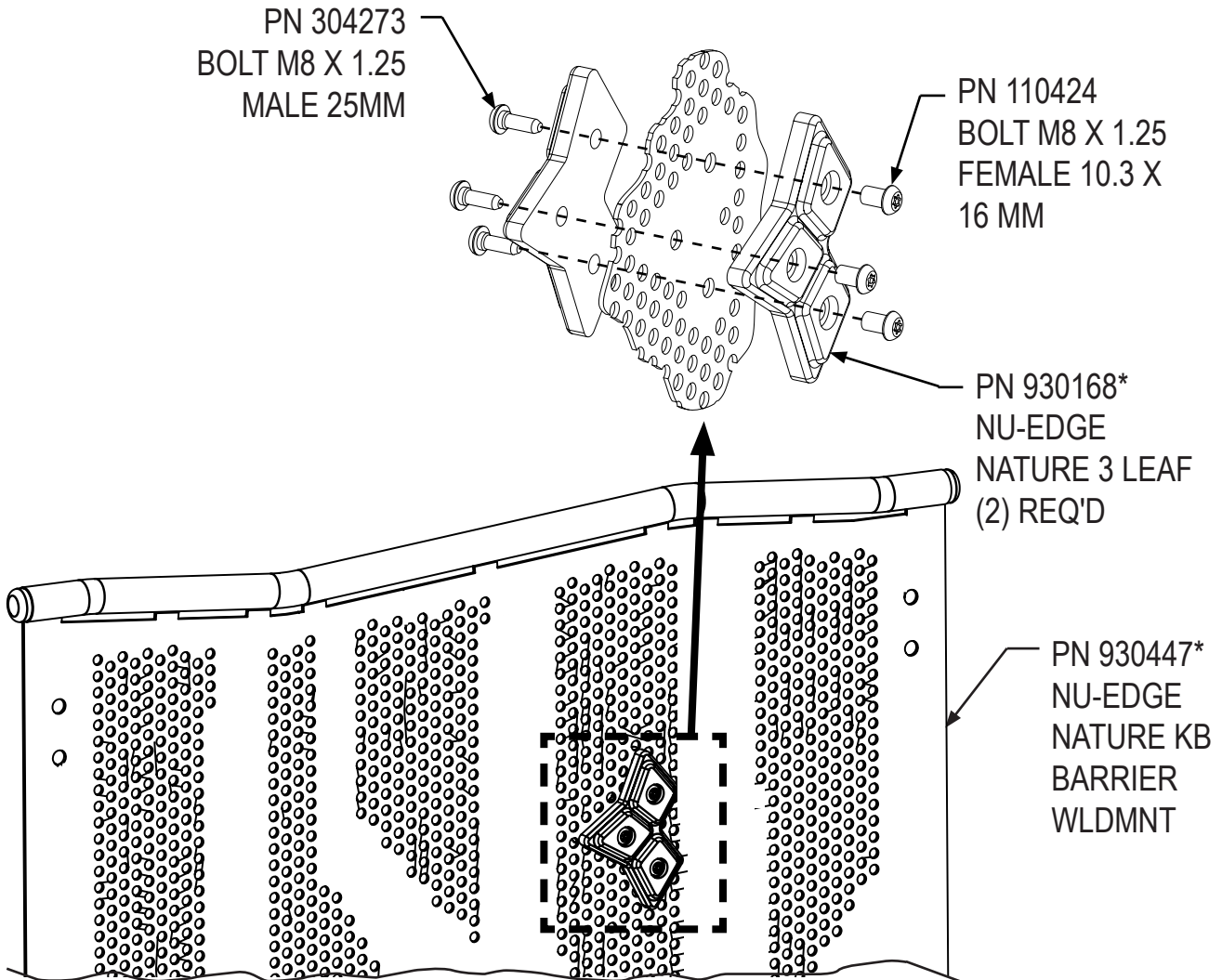
## Kid Builders™ Nu-Edge Birch Barrier

### STEP 1 DECK AND POST FOOTINGS

1a. See separate installation instructions for deck and posts. Deck and posts are in place per *Footing Layout* and Construction Drawings. Barrier panel is deck mount only.

### STEP 2 PRE-ASSEMBLE LEAVES ON PANEL

2a. Attach the two leaves on the panel with hardware as shown below leaf towards panel.



### STEP 3 ATTACH WING CLAMPS TO POSTS

3a. Loosely assemble wing clamps on posts per clamp installation details in the installation manual.

Do not install clamp hammer drive pins yet. See dimensions for clamp placement on front view on page 4. Dimensions are from top of deck to centerline of clamp.

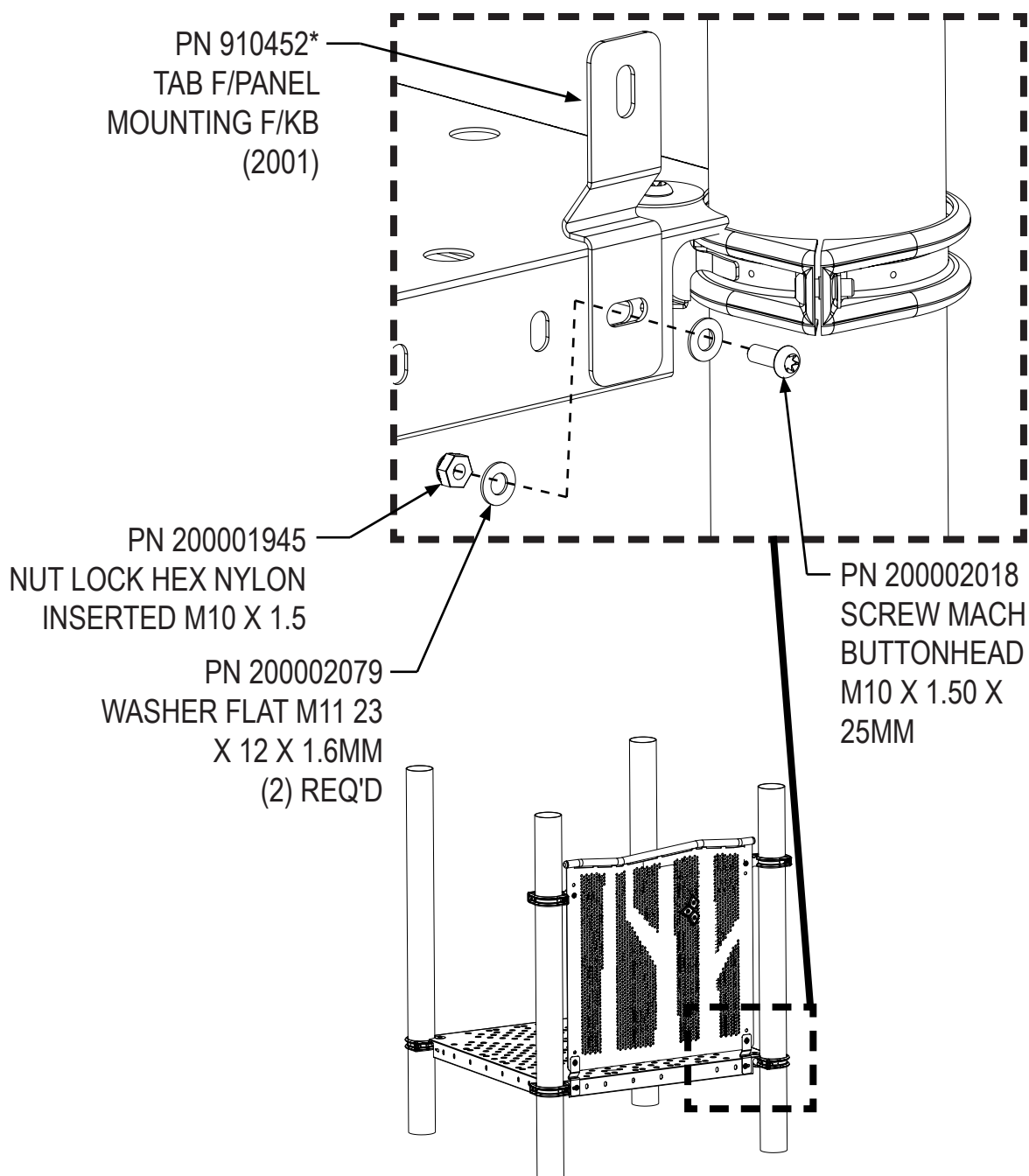
## Kid Builders™ Nu-Edge Birch Barrier

### **STEP 4** DRILL EXCESS PVC FROM DECK MATING BOLT HOLES

4a. Use drill to remove excess PVC from the two *outer* holes in the deck side for the two mounting tabs.

### **STEP 5** ATTACH TABS TO DECK

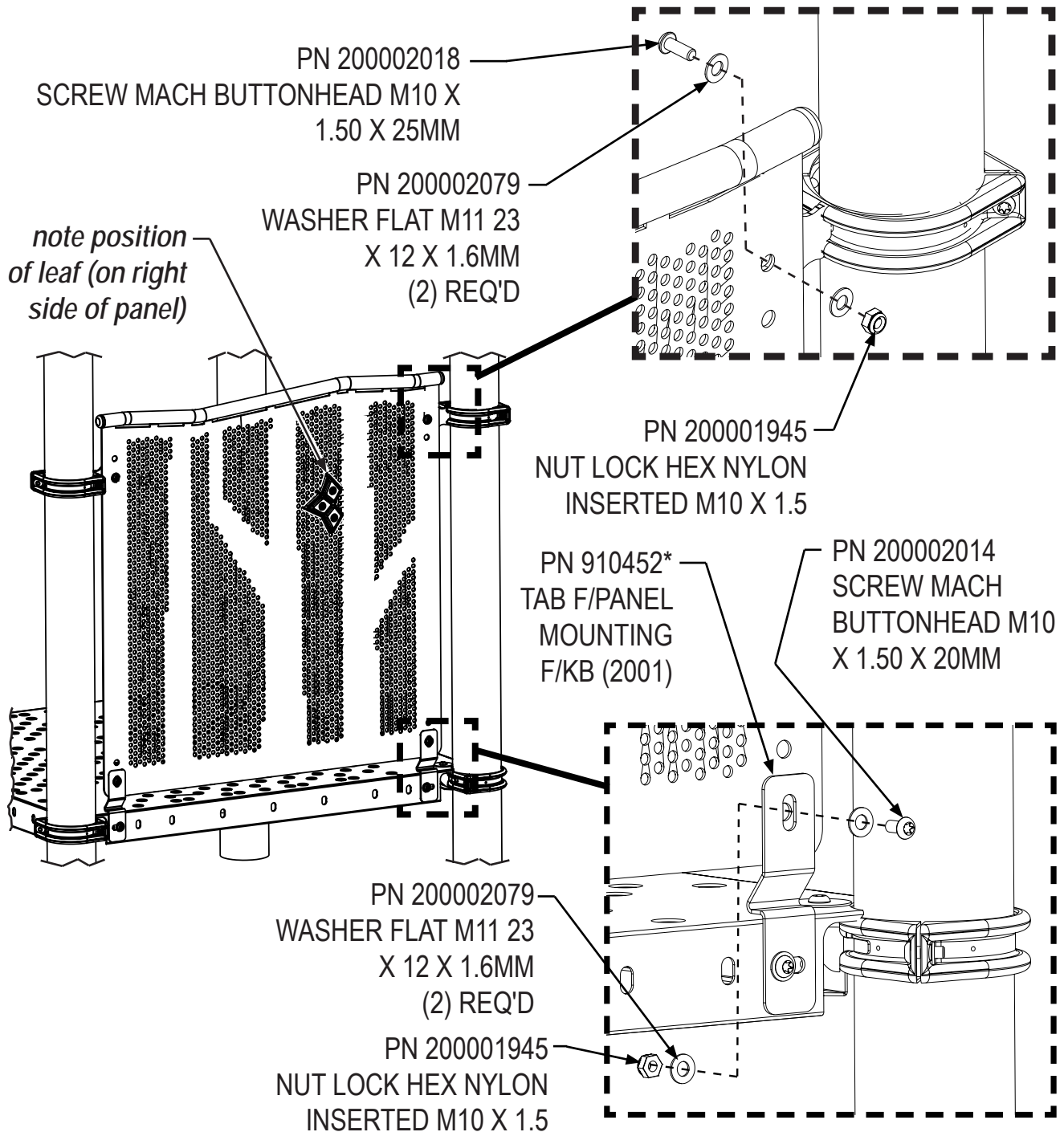
5a. Locate tabs and loosely attach to the deck side in the two *outer* holes as shown below.



# Kid Builders™ Nu-Edge Birch Barrier

## STEP 6 ATTACH BARRIER PANEL TO CLAMPS AND TABS

6a. Loosely attach the panel to the wing clamp tabs and the deck tabs as shown below. Note correct orientation of panel (leaf on right side). Install the wing clamp tabs on the deck side of the panel. Note that the left side clamp will attach to the low hole on the panel, and the right side clamp will attach to the high hole on the panel. **NOTE: it is permissible to deviate from the**



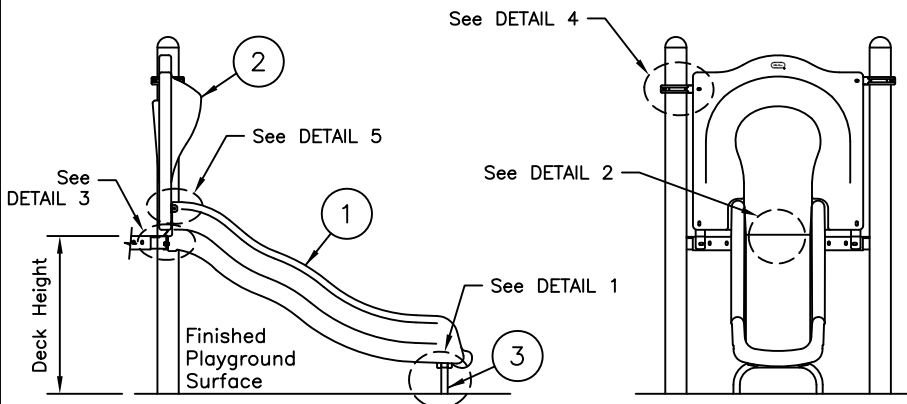
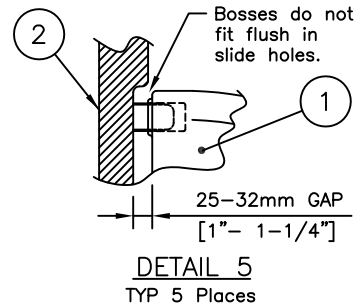
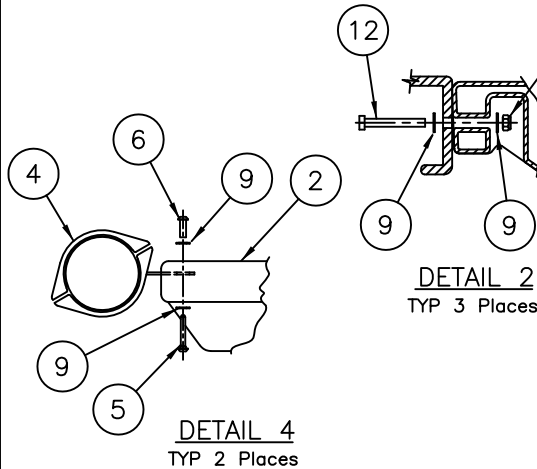
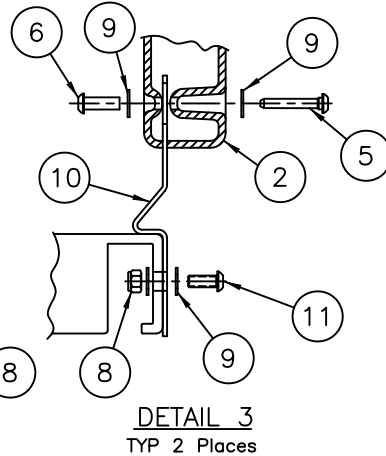
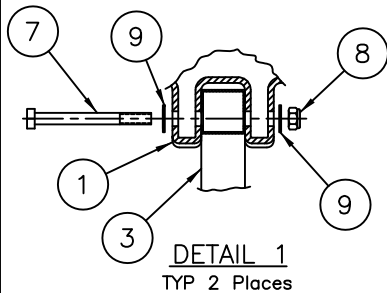
## Kid Builders™ Nu-Edge Birch Barrier

### FINAL STEP

Level and plumb barrier panel and tighten all hardware. Install hammer drive pins in post clamps. Proceed with *Final Assembly installation*.



*Chris M. Newberry*



NOTE: FOOTING LAYOUT ON SHEET 2

NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

812mm [32"] SINGLE WIDE WAVE SLIDE	200201023
915mm [36"] SINGLE WIDE WAVE SLIDE	200006979
1016mm [40"] SINGLE WIDE WAVE SLIDE	200201024
1220mm [48"] SINGLE WIDE WAVE SLIDE	200006980
KB WAVE SLIDE 32" W/2014 HOOD	200203323
KB WAVE SLIDE 36" W/2014 HOOD	200203324
KB WAVE SLIDE 40" W/2014 HOOD	200203325
KB WAVE SLIDE 48" W/2014 HOOD	200203326

Item	Code	Description	Qty.
1	-	SINGLE WIDE WAVE SLIDE KB	1
2A	-	HOOD F/KB SGL. WD. WAVE SLIDE	1
2B	-	KB SGL WIDE SLIDE HOOD (2014)	1
3	-	SUPP. END SGL. WD. WAVE SLIDE	1
4	-	KB PANEL CLAMP	2
10	200117149	TAB F/PANEL MOUNTING F/KB BRN	2

HDWR BAG F/KB 915/1220 SGL.WD.SLIDE (MM) 200007674

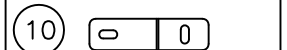
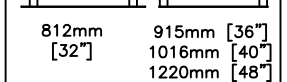
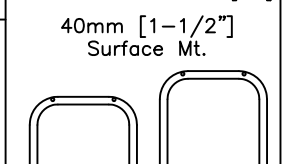
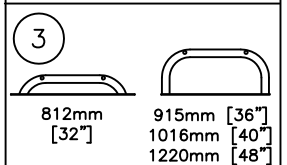
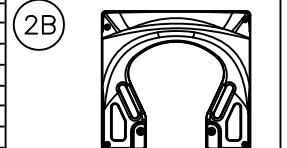
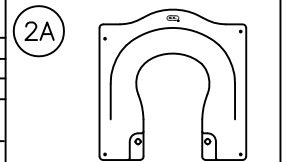
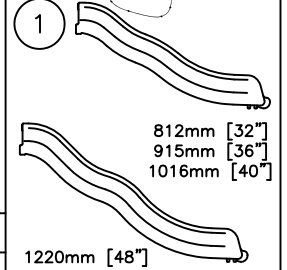
Item	Code	Description	Qty.
5	200002142	BOLT M8 X 1.25 MALE 57.5 mm	4
6	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30mm	4
7	200001875	CAP SCREW HEX HEAD M10 1.50 X 110mm	2
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	7
9	200002079	WASHER FLAT M11 23 X 12 X 1.6 mm	22
11	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25mm	2
12	200001859	CAP SCREW HEX HEAD M10 X 1.50 X 75mm	3

## Application

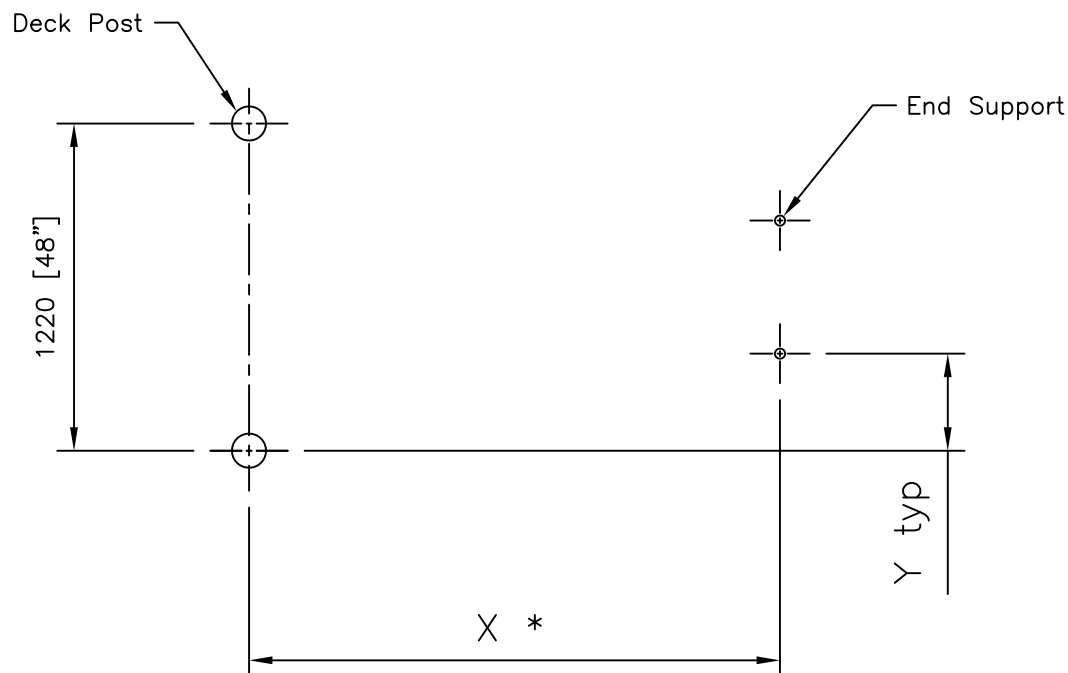
- Age Groups: (2-5 year olds) & (5-12 year olds).
- The exit region should be no higher than 280 [11"] from finished playground surface for slides with an elevation no greater than 1220 [48"].
- For slides with an elevation greater than 1220 [48"], exit region should be between 180-380 [7"-15"].
- Runout slope must be between 0 to -4 degrees.

## Installation Instructions

1. Prepare footings.
2. Attach the end support to the underside of the Slide as shown in DETAIL 1.
3. Place the support in the footing and attach the Slide to the deck edge as shown in DETAIL 2. If Surface Mounting, anchor the supports to the concrete.
4. Insert the bosses located at the front of the Slide Hood, into the holes provided in the side walls of the Slide. Push the hood in until FIRMLY in place. The Hood has been designed to resist string entanglements, therefore, the bosses do not fit flush in the Slide holes (see DETAIL 5). Insert the deck mounting tabs into the slots in the lower portion of the hood then to the deck edge as shown in DETAIL 3.
- (NOTE: vertical slot in tab should be inserted into panel off centered to the outside.)
5. Insert panel clamps into the slots in the Hood as shown in DETAIL 4. Attach the clamps to the post. (Refer to front of manual for clamp installation detail).
6. Tighten all hardware and install clamp drive pins.
7. Complete footings and install resilient surfacing.



# Footing Layout



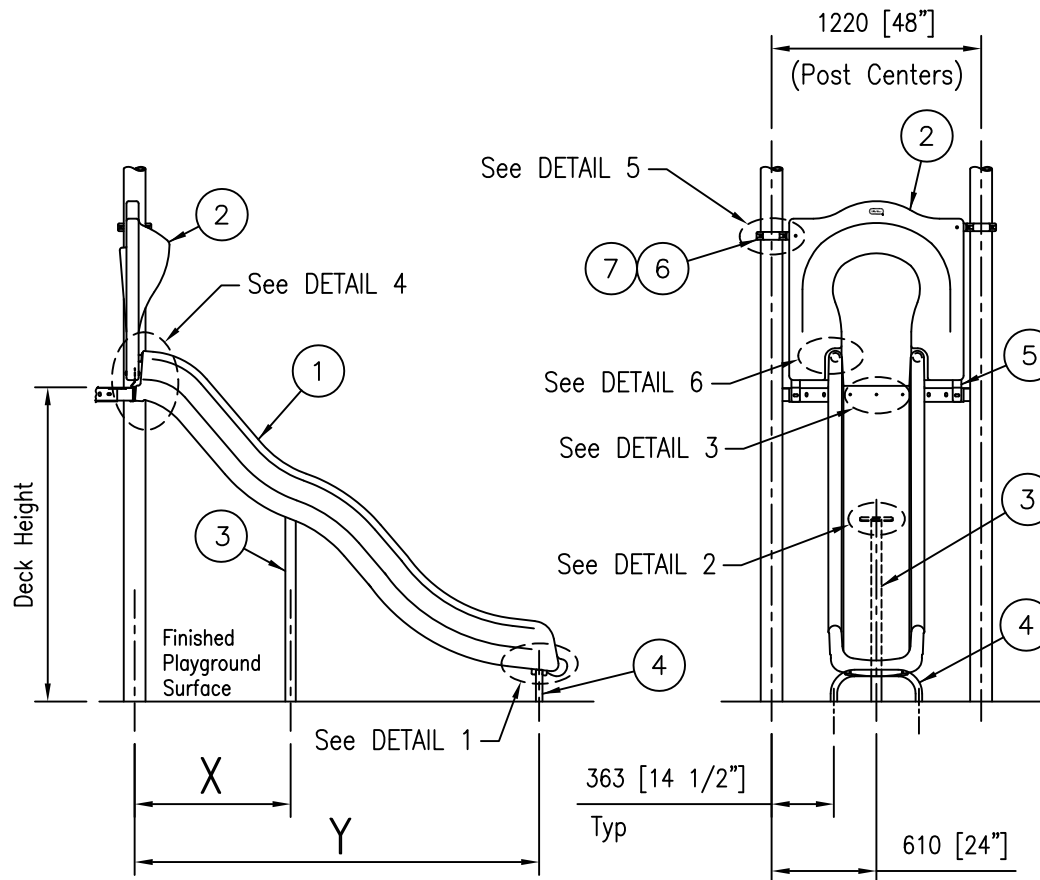
DECK HEIGHT	X		Y	
	Surface Mount	Inground	Surface Mount	Inground
812 [32"]	1650 [65"]	1650 [65"]	325 [13"]	363 [14-1/2"]
915 [36"]	1650 [65"]	1650 [65"]	363 [14-1/2"]	363 [14-1/2"]
1016 [40"]	1610 [63-1/2"]	1650 [65"]	410 [16"]	363 [14-1/2"]
1220 [48"]	1980 [78"]	1980 [78"]	363 [14-1/2"]	363 [14-1/2"]

\*Reference general information section in front of manual for slide installation information.

# FOOTING DIMENSIONS

Deck Height	X* (mid support)	Y* (end support)
1625 [64"]	965 [38"]	2475 [97 1/2"]
1830 [72"]	908 [36"]	2356 [92 1/2"]

\* Reference general information section in front of manual for slide installation information.



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

KB SLIDE WAVE 1625 MM/64" 200006981  
KB SLIDE WAVE 1830 MM/72" 200201043

KB SLIDE WAVE 64" W/2014 HOOD 200203327  
KB SLIDE WAVE 72" W/2014 HOOD 200203328

Item	Code	Description	Qty.
1	-	SLIDE WAVE SGL.WD. 1625 MM	1
2A	-	HOOD SGL.WD. F/KB SLIDES	1
2B	-	KB SGL WIDE SLIDE HOOD (2014)	1
3	-	SUPP. MID WAVE SLIDE	1
4	-	SUPPORT END F/KK WAVE SLIDE	1
5	-	TAB F/PANEL MOUNTING F/KB	2
6	-	KB PANEL CLAMP ASSEMBLY	2

HDWR BAG F/KB 64" WAVE SLIDE (MM)  
200007675

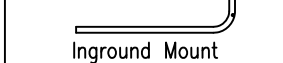
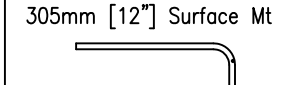
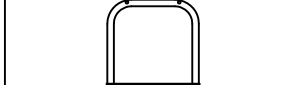
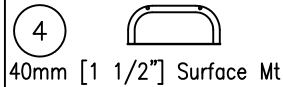
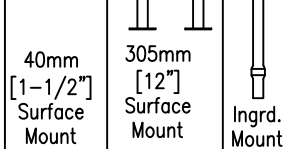
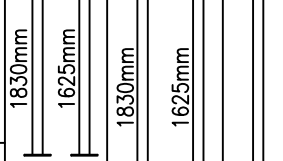
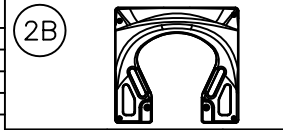
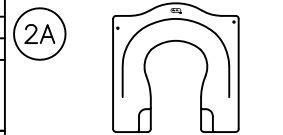
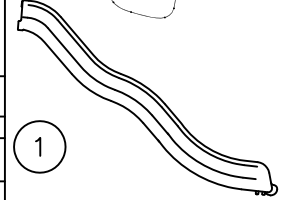
Item	Code	Description	Qty.
8	200002142	BOLT M8 X 1.25 MALE 57.5 MM	4
9	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	4
10	200001859	CAP SCREW HEX HEAD M10 X 1.50 X 75mm	3
11	200001875	CAP SCREW HEX HEAD M10 X 1.50 X 110 MM	2
12	200002010	SCREW MACH BUTTONHEAD M10 X 1.50 X 16mm	4
13	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25mm	2
14	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	7
15	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	26

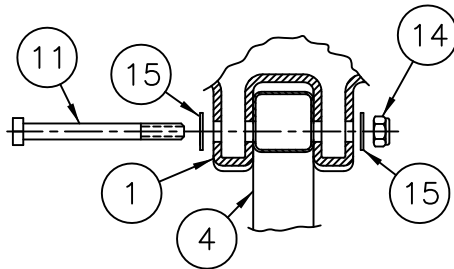
## Application

- Age groups: (2-5 year olds) & (5-12 year olds).
- For slides with an elevation greater than 1220 [48"], exit region should be between 180-380 [7"-15"].
- Runout slope must be between 0 and -4 degrees.

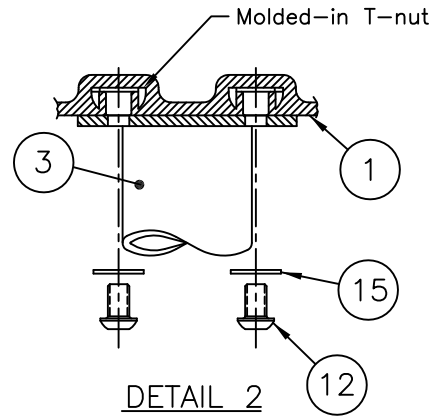
## Installation Instructions

1. Prepare footings.
2. Attach the end support to the underside of the Slide as shown in DETAIL 1. Attach the mid support to the slide in the location as shown in DETAIL 2.
3. Place the supports in the footings and attach the Slide to the deck edge as shown in DETAIL 3. If Surface Mounting, anchor the supports to the concrete.
4. Insert the bosses located at the front of the Slide Hood into the holes provided on the top of the side walls of the Slide as shown in DETAIL 6. Push the hood in until FIRMLY in place. The Hood has been designed to resist string entanglements, therefore, the bosses do not fit flush in the Slide holes.
5. Insert the deck mounting tabs in the lower portion of the hood then attach to the deck edge as shown in DETAIL 4. (NOTE: vertical slot in tab should be inserted into panel off centered to the outside.)
6. Insert panel clamps into the slots in the Hood as shown in DETAIL 5. Attach the clamps to the posts. (Refer to front of manual for clamp installation detail.)
7. Tighten all hardware.
8. Complete footings and install resilient surfacing.

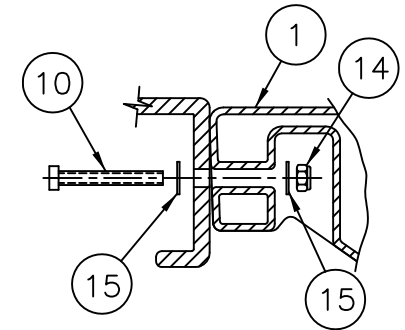




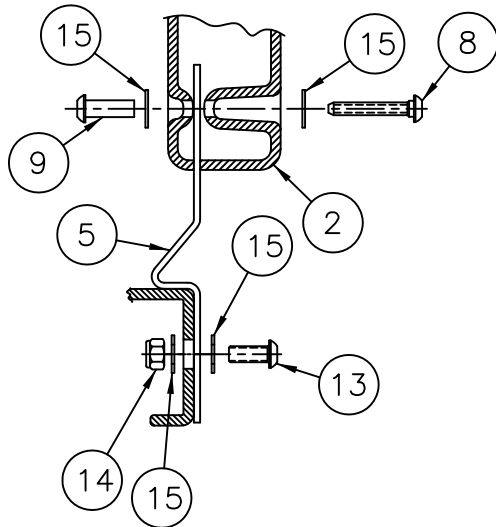
DETAIL 1  
Typ 2 Places



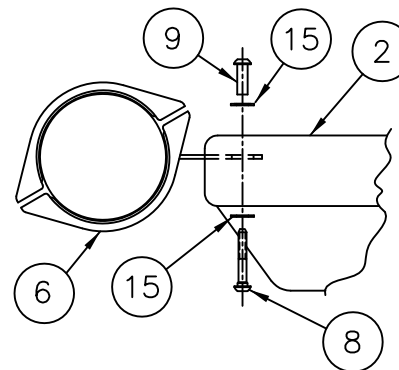
DETAIL 2  
Typ 2 Places



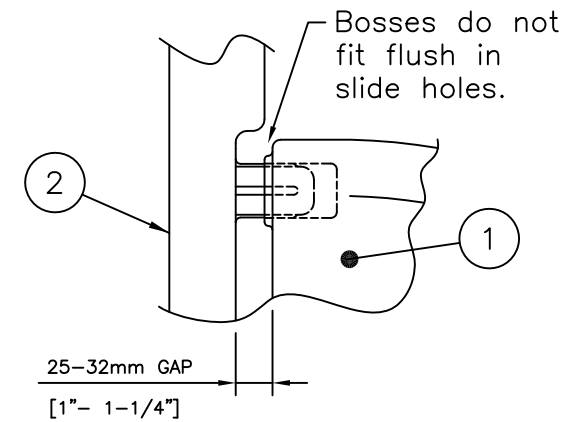
DETAIL 3  
Typ 3 Places



DETAIL 4  
Typ 2 Places



DETAIL 5  
Typ 2 Places

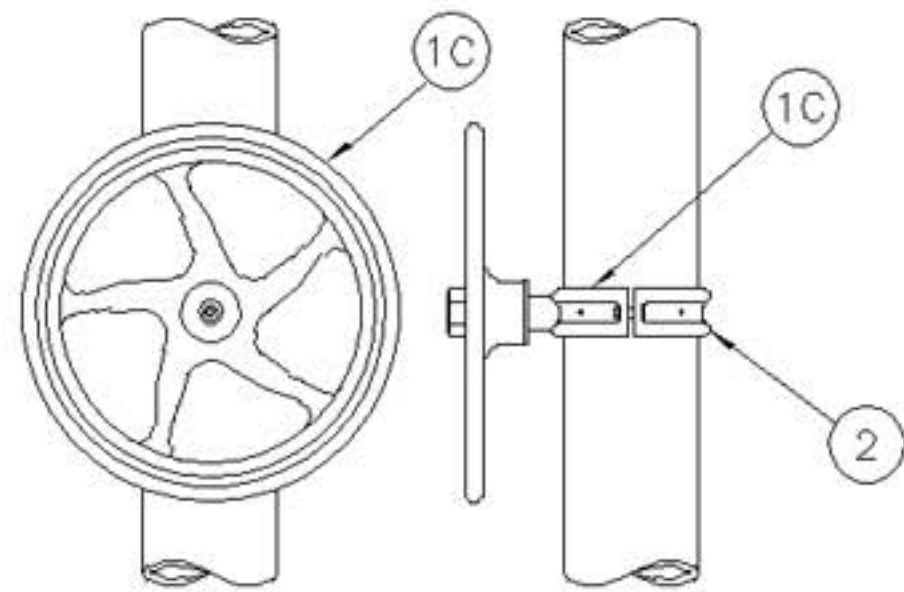


DETAIL 6  
Typ 2 Places

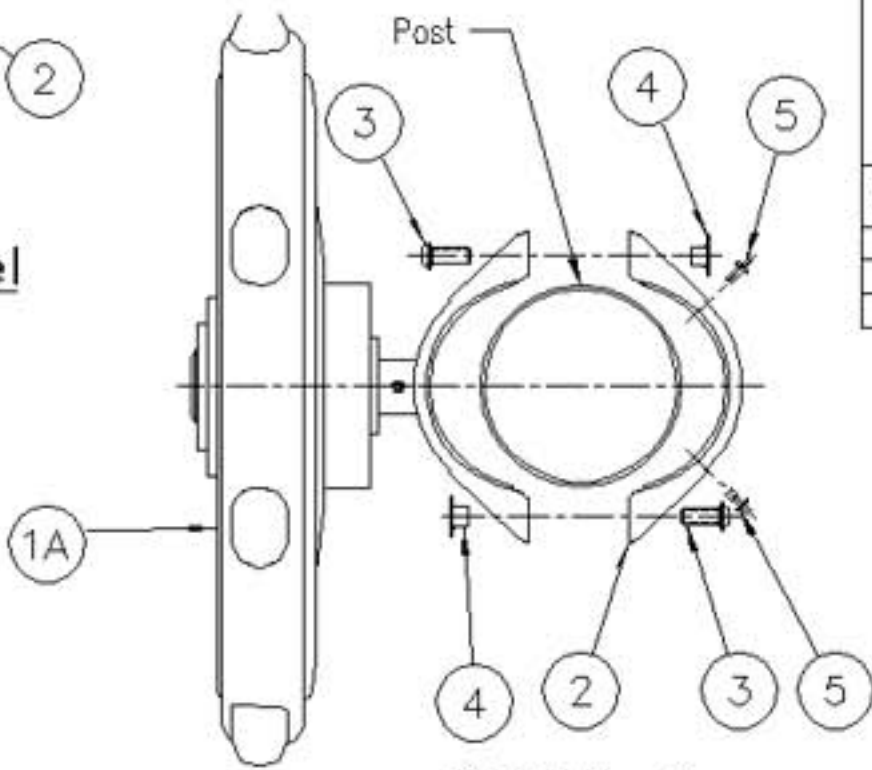


STEERING WHEEL (POST MOUNT)

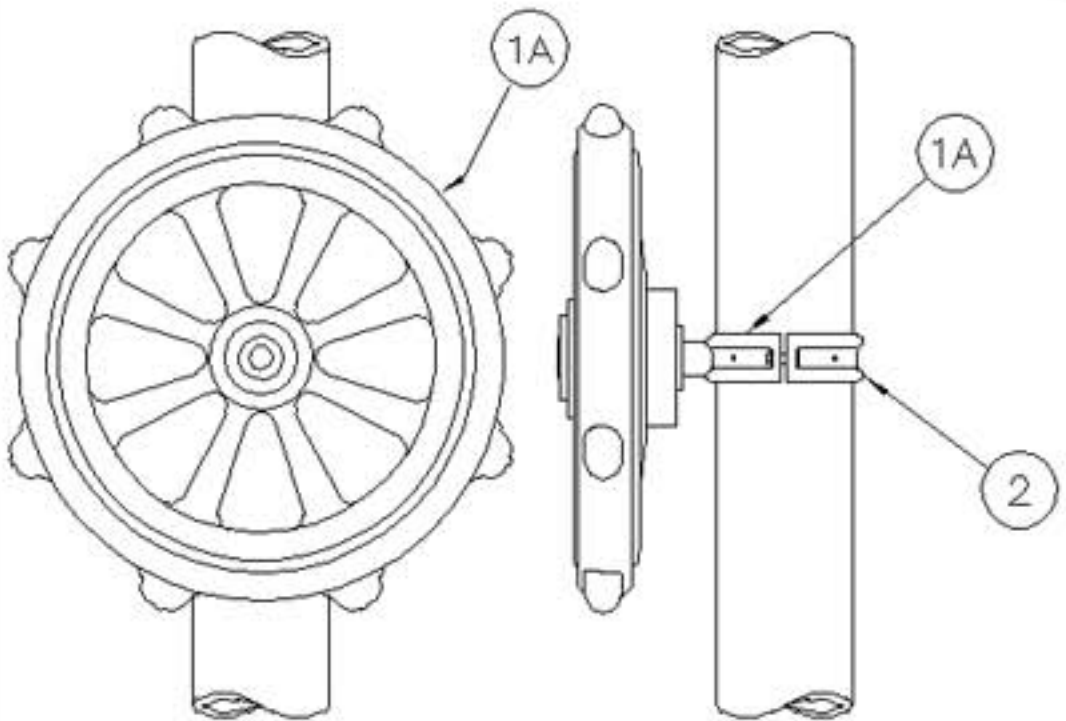
AUTHORIZED BY: 16JUN08  
*Shawn Slinkard*



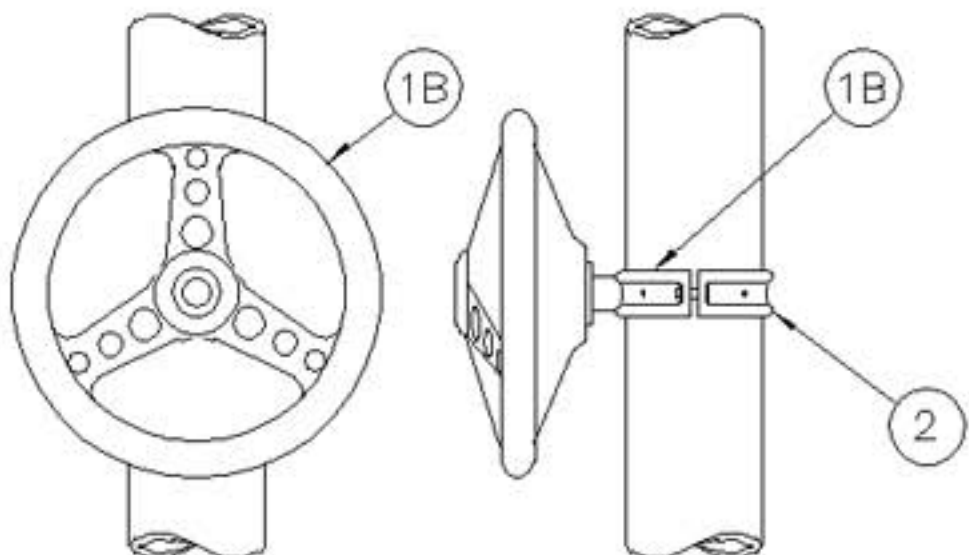
Aluminum Steering Wheel



DETAIL 1  
(Ship Wheel Shown)



Ship Steering Wheel



Plastic Steering Wheel

WHEEL SHIP STEERING KB 200007091			
WHEEL PLASTIC STEERING WHEEL KB 200200424			
WHEEL ALUM. STEERING WHEEL KB 200200425			

Item	Code	Description	Qty.
1A	-	ASSY. POST MT. f/SHIP STEER WHEEL	1
1B	-	ASSY. POST MT. f/PL. STEER WHEEL	
1C	-	ASSY. POST MT. f/AL. STEER WHEEL	
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1

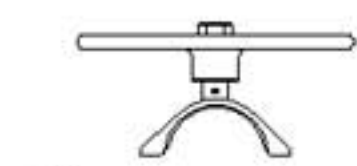
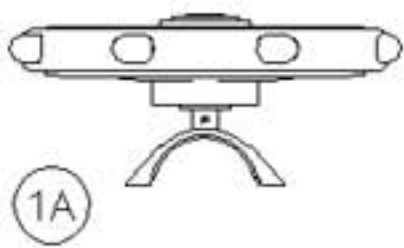
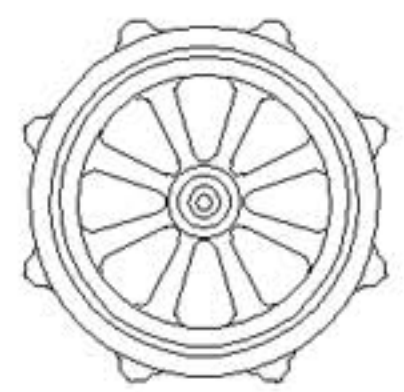
HDWR BAG F/POST MT. STEERING WHEELS 200145769			
--	--	--	--

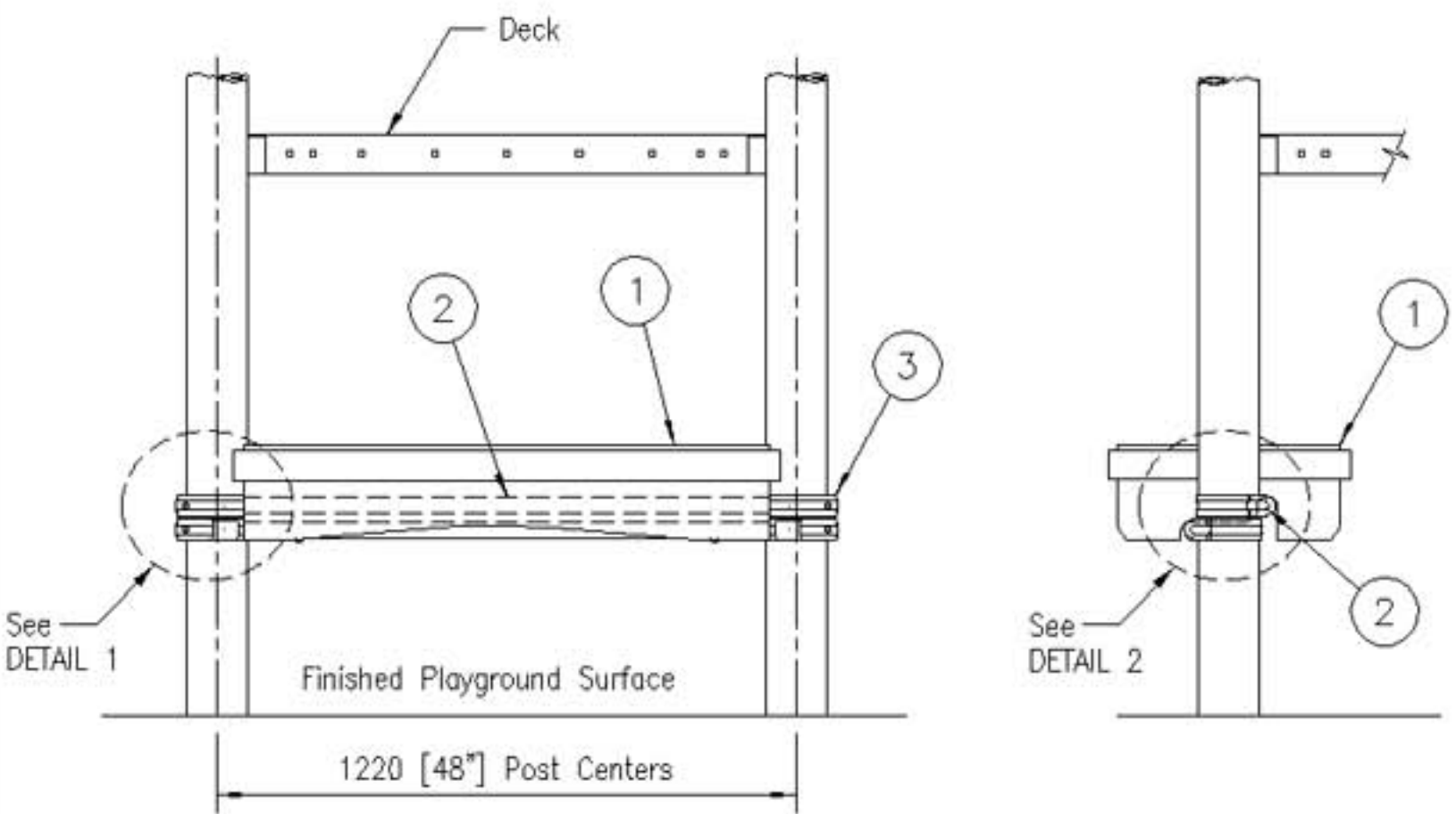
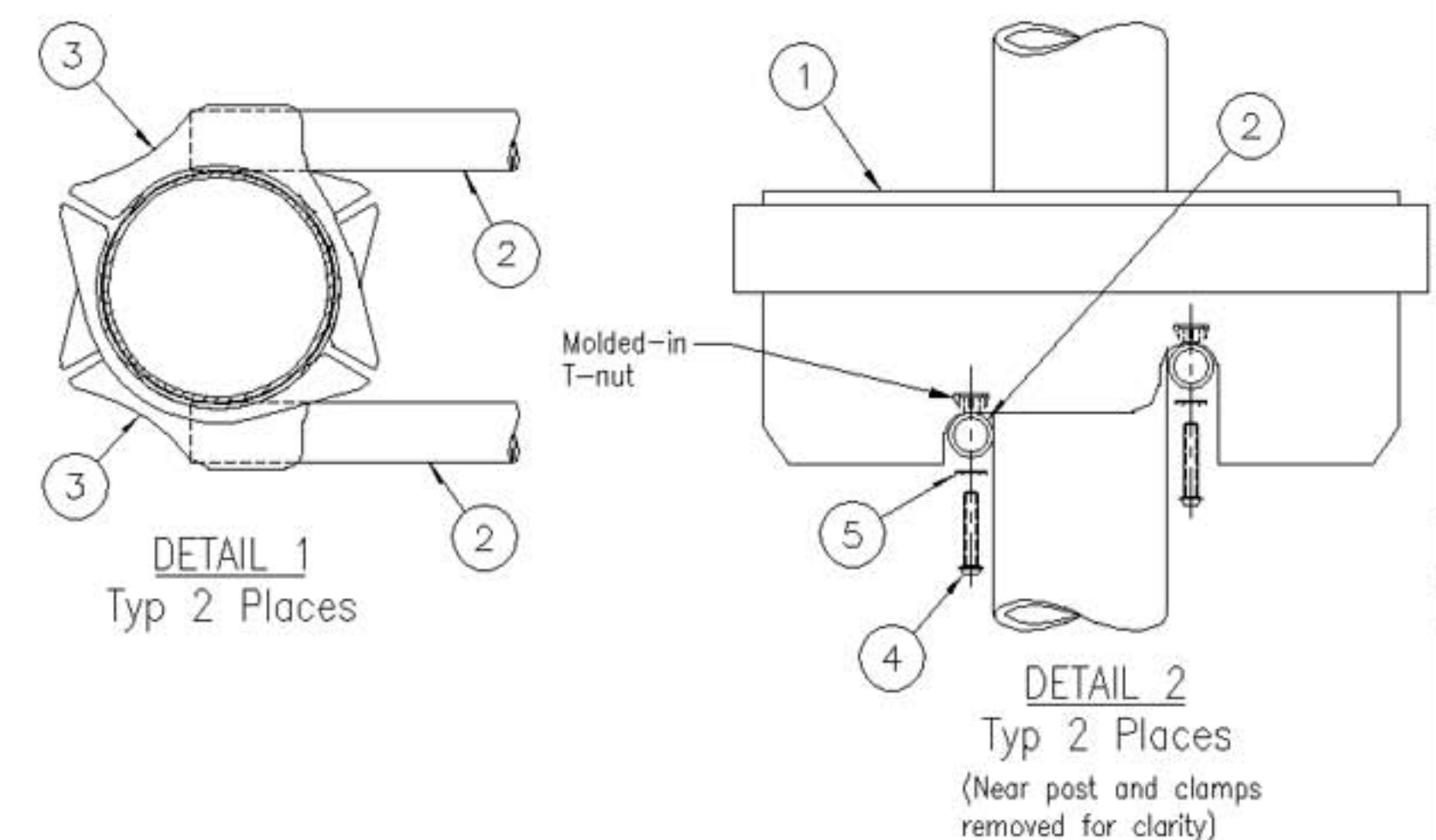
Item	Code	Description	Qty.
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2
5	200000797	HAMMER DRIVE PIN 4.7 X 11.1mm	2

**Installation Instructions**

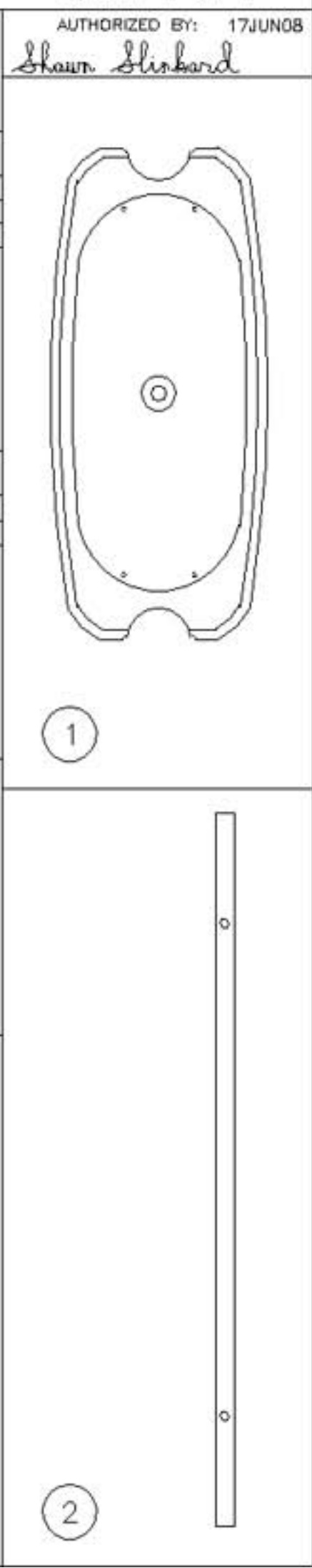
1. Loosely attach clamp half (item 2) and Assy. Post Mt. f/Steer Wheel (item 1) to post. (Refer to front of manual for clamp installation detail.)

2. Position at correct height and orientation, then tighten hardware.

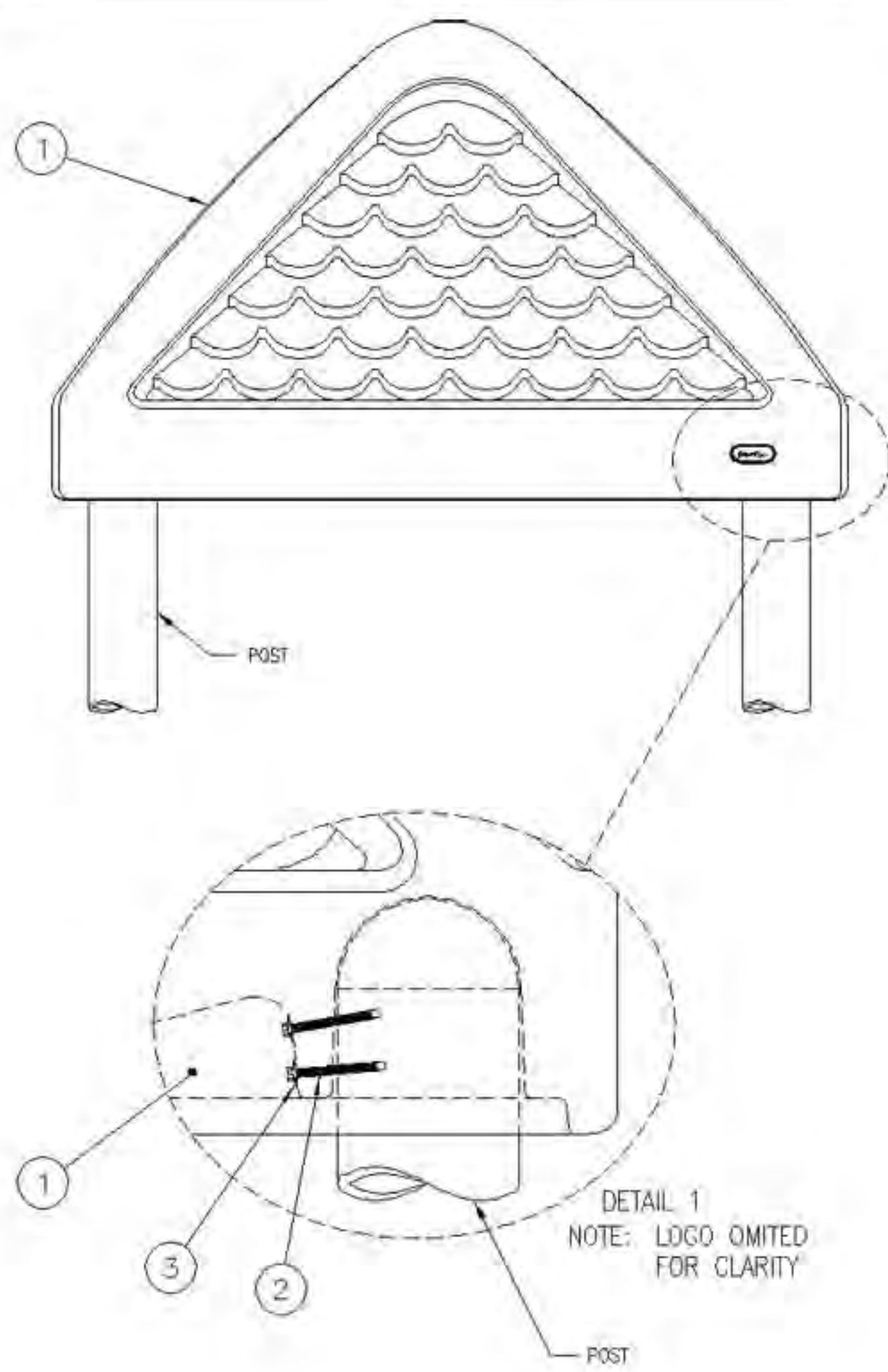




PANEL ADJUSTABLE COUNTER KB 200007097			
Item	Code	Description	Qty.
1	-	PANEL ADJUSTABLE COUNTER F/KB	1
2	200000971	RAIL SUPP. F/KB ADJ. COUNTER BRN	2
3	-	HOODED RAIL CLAMP	4
HDWR BAG F/KB ADJ. COUNTER PANEL 200007593			
Item	Code	Description	Qty.
4	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	4
5	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	4
<div>Application</div> <div> <ul style="list-style-type: none"> <li>Age groups: 2 – 12 year olds</li> <li>For Kid Builders structures only</li> <li>For below deck use only</li> <li>Cannot be used as an enclosure</li> </ul> </div>			
<div>Installation Instructions</div> <div> 1. Insert the ends of both rails into the hooded clamp halves and loosely attach clamps to posts (refer to DETAIL 1 and to front of manual for clamp installation detail). One clamp will be stacked on top of the other.   2. Lower the adjustable counter panel onto the rails and attach with hardware (refer to DETAIL 2). Some fine adjustment may be required for a snug fit.   3. Position at proper height, tighten all hardware and install clamp drive pins. </div>			







SQUARE ROOF

200007137

Item	Code	Description	Qty.
1	-	ROOF F/KB	1
2	200002002	SCREW DRILL HEX HEAD M6.3 X 1.81 X 65mm	8
3	200002057	WASHER FLAT M6 17.5 X 7.5 1.5mm	8

Application

AGE GROUPS (2-12 YEAR OLDS)

- Two roofs cannot share the same posts.
- If an adjacent deck is higher than the one under the roof, The height of the roof should be measured from the highest deck surface.

Installation Instructions

- Lower roof onto previously positioned posts and fasten with hardware (Refer to Detail 1).

AUTHORIZED BY

*Chris M. Beckman*

47JAND1

1





Project Number: R0324240161

PlayArea: RiskSign\_Included | Park Service

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

Date: 5/13/2024 12:00:00 AM



## Risk Management Sign

**IMPORTANT!** The Risk Management Sign is to be installed outside the defined play area and play equipment use zones. It needs to be oriented so that the **front side faces the main entrance to the playground** and next to but not interfering with the accessible route that leads to the play space.

### Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>
787	Risk Management Sign - English
787FR	Risk Management Sign - French
787SP	Risk Management Sign - Spanish



*Note:*

- English version shown.
- An (\*) by part numbers indicate: Color Code Required.

## Risk Management Sign

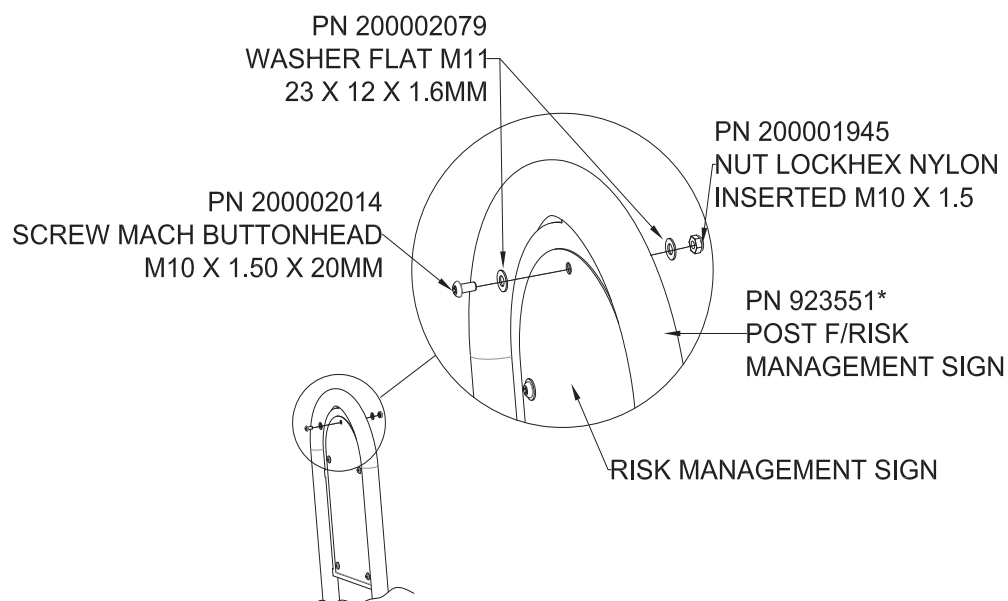
### **STEP 1** ATTACH AGE-APPROPRIATE STICKER

1a. Attach age-appropriate sticker to sign, in location, as shown below.



### **STEP 2** ATTACH SIGN TO POST FRAME

2a. Attach sign as shown below, in five (5) locations.

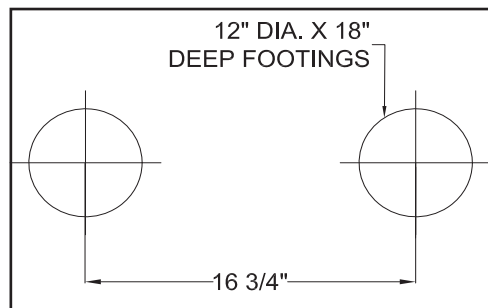


## Risk Management Sign

### STEP 3 DIG FOOTINGS

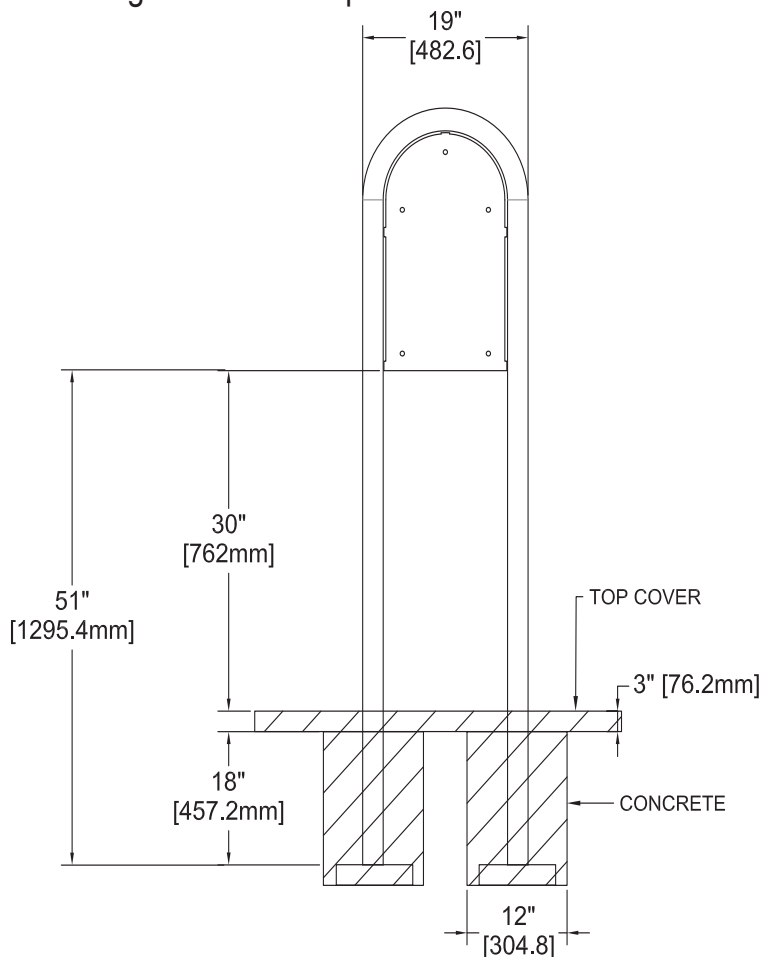
3a. Dig footings per *Footing Layouts*, *Construction Drawings*, and *Footing Details* installation.

*Note: Do not pour concrete for footings until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.*



### STEP 4 SET SIGN IN FOOTINGS - OUTSIDE PLAY AREA

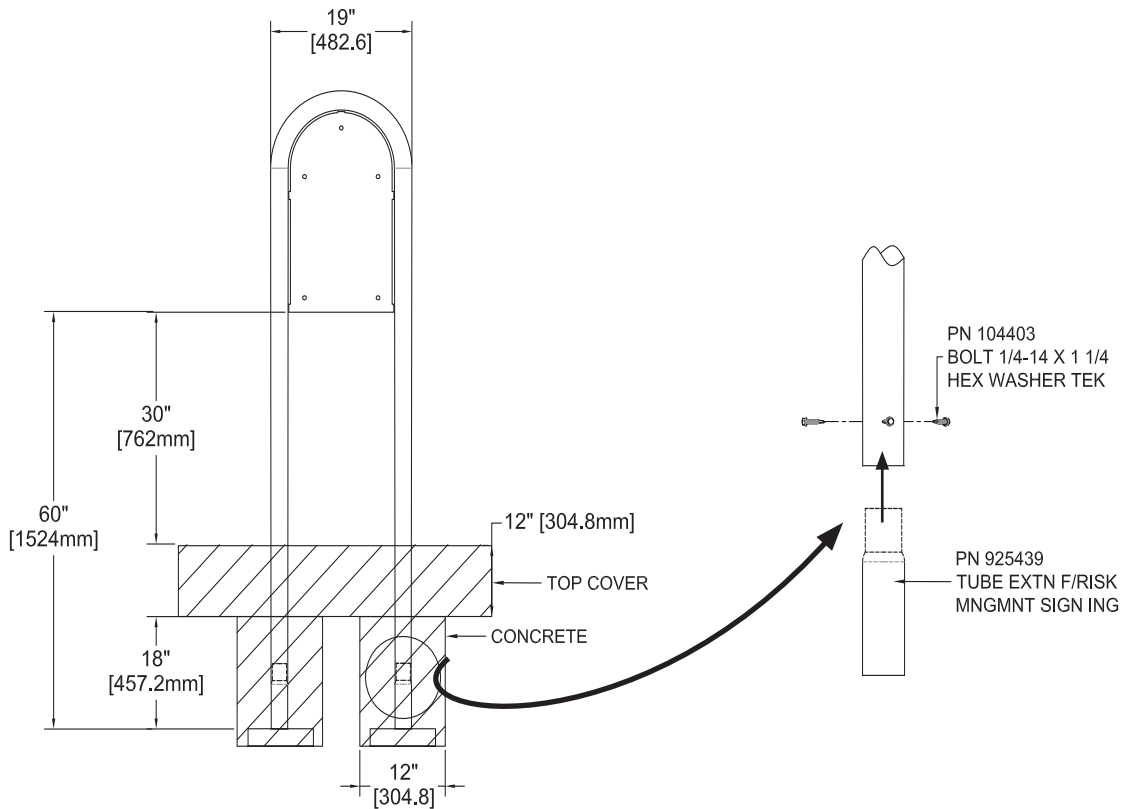
- 4a. Place a brick in the bottom of each hole so the sign will rest on the brick when inserted.
- 4b. Set risk management sign in footings per *Construction Drawings* pour concrete; plumb sign in footings and brace in position until concrete is cured.



## Risk Management Sign

### STEP 5 SET SIGN IN FOOTINGS - INSIDE PLAY AREA

- 5a. Place a brick in the bottom of each hole so the sign will rest on the brick when inserted.
- 5b. Insert the 10" tube extension into the risk management sign; use a rubber mallet, if needed, to swage the extensions for a tight fit; secure with Tek screws.
- 5c. Set the sign in the footings per Construction Drawings and pour concrete; plumb sign in footings and brace in position until concrete is cured.



### FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

# Risk Management Sign

## Bill of Material

### Model 787

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923560	PC F/787 RISK MNGMT ENGLISH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5

### Model 787FR

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923558	PC F/787FR RISK MNGMT FRENCH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WSHER TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5

Risk Management Sign

1000008

# Risk Management Sign

## Bill of Material cont.

### Model 787SP

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923559	PC F/787SP RISK MNGMT SPANISH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WSHR TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5

# Burke®

**Order Number**

**Job Name**

**Structure Number**

## GENERAL CONFORMITY CERTIFICATION

As required by the Consumer Product Safety Improvement Act of 2008, Public Law 110-314 122 Stat. 3016 (August 14, 2008) H.R. 4040

1. This Certification of Compliance covers the playground components sold on Order #\_\_\_\_, identified as Proposal #\_\_\_\_\_.
2. This Certification of Compliance certifies that the products identified in item 1 comply with all rules, bans, standards or regulations applicable to the product under the Consumer Product Safety Improvement Act of 2008; Sections 101, 102, 103 and 108.
3. Manufacturer certifying compliance of the products:  
BCI Burke Company, LLC  
660 Van Dyne Road  
Fond du Lac, WI 54935  
(920) 921-9220
4. The contact information for the individual maintaining records of the test results is as follows:  
Wayne Orvold  
BCI Burke Company, LLC  
660 Van Dyne Road  
Fond du lac, WI 54935  
(920) 921-9220  
[Worvold@bciburke.com](mailto:Worvold@bciburke.com)
5. These products were manufactured for shipment on \_\_\_\_\_.
6. This General Conformity Certification and certification of compliance is based on testing completed through a reasonable testing program (ISO WI 028-08) maintained at the manufacturer listed above.
7. The testing for this certificate was completed at:  
Applied Technical Services, Incorporated  
1049 Triad Coart  
Marietta, GA 30062  
(770) 423-1400



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**SITE PLAN & FOOTING PLAN DRAWINGS ARE LOCATED IN THE BACK OF THE MANUAL ALONG WITH ORDER DOCUMENTATION.**

# INTRODUCTION

## **Congratulations on your purchase of Burke playground equipment!**

A tremendous amount of care, quality and workmanship went into the design and manufacture of your equipment. Now is the time when your part of the teamwork really begins.

Following are a few topics vital to the maintenance of your playground and - most importantly - minimizing your problems in the field.

- All equipment must be installed per Burke Installation Guidelines and Specifications. Detailed prints and instructions are included in the back of this manual, arranged in numerical order by the component number which can be found on the site plan drawings which are at the very end of this manual.
- Don't forget to add a proper safety surface, as recommended by CPSC Guidelines for Public Playground Equipment and ASTM- F 1487 Standards or CSA/CAN Z614 Standards.
- It is critical to the long life of your equipment to establish a routine maintenance program. To help you, enclosed is a checklist including frequency for inspection based on recommendations of the CPSC Guidelines for Public Playground Equipment.

If your playground has been installed in atmospheric conditions of high salt content, i.e. near the ocean, the chance for corrosion is much more likely. Therefore, frequent checks are highly recommended.

Your equipment has arrived in great shape.  
**Protect your Warranty - equipment maintenance is up to you.**

We are here to help you with any questions or concerns you may have about your equipment. Please feel free to call our Toll Free 1-800 number.

**Thank you for your business.**

**BCI Burke Company, LLC**

For questions, call us at:  
**1-800-356-2070**

This installation manual is applicable to the following playground equipment: **Nucleus®, Voltage®, Intensity®, NaturePlay®, Circuit Play®, Circuit Play Beginnings®, Little Buddies® and Burke Basics**

*BCI Burke Company, LLC*  
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566  
[www.bciburke.com](http://www.bciburke.com)

# SUPERVISION

Playgrounds should be supervised at all times when children are using them. Supervisors and parents should use sound judgment in preventing overcrowding on equipment, or the use of play apparatus whose challenge exceeds the user's capabilities. Parents and adult supervisors should instruct children on the safe use of playground equipment. Intensive classroom and home instruction about safe behavior on playground equipment make an important contribution to playground safety.

For references and details on safety recommendations, we suggest you add the following publications to your library.

- **Consumer Product Safety Commission (CPSC) A Handbook for Public Playground Safety** (Publication No. 325)  
-Standard consumer safety performance specification for playground equipment for public use.
- **American Society for Testing and Materials (ASTM) F1487**  
-Standard consumer safety performance specification for playground equipment for public use.
- **American Society for Testing and Materials (ASTM) F1292**  
-Standard specification for impact attenuation of surface systems under and around playground equipment.
- **Canadian Standards Association (CAN/CSA) Z614**  
-*Children's Playspaces and Equipment* A National Standard of Canada

To obtain the above publications you may contact the following:

US Consumer Product Safety Commission  
Washington, D.C. 20207  
1-800-638-2772  
<http://www.cpsc.gov>

Canadian Standards Association  
5060 Spectrum Way, Suite 100  
Mississauga, Ontario, Canada L4W 5N6  
<http://www.csa.ca>  
(800) 463-6727

American Society for Testing and Materials  
100 Barr Harbor Dr.  
West Conshohocken, PA 19428  
<http://www.astm.org>  
(610) 832-9585  
Fax: (610) 832-9555

## **NOTE:**

For equipment and components that are certified and compliant with the Canadian Standard, CAN/CSA Z614, BCI Burke Company, LLC has performed the necessary Structural Integrity tests required and can ensure compliance with the requirements of Clause 9.

*BCI Burke Company, LLC*  
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566  
[www.bciburke.com](http://www.bciburke.com)

# PRE-INSTALLATION GUIDELINES

Instructions are clearly presented and simple to read. Each step in the process is concisely explained. There are no secrets to completing a successful BCI Burke play structure package. Carefully read the instructions and familiarize yourself with the assembly procedures. Continually keep in mind that proper planning saves time and money. When your unit is finally assembled, place your instruction sheets in a safe, but easily accessible, file for future referral. Do not deviate or take shortcuts in the assembly procedures.

BCI Burke builds durable, long-lasting equipment. You, however, are responsible for the proper installation and maintenance of the equipment. Always follow the equipment installation drawings provided and DO NOT deviate from the specifications or fabrication.

Several steps are of the UTMOST IMPORTANCE before beginning assembly:

1. Read instructions carefully and familiarize yourself with the site plan drawings in the very back of this manual, and the accompanying component installation instructions, arranged in numerical order also in the back of this manual.
2. Make sure to plan to orientate and place structures so that slides are not in direct sunlight during play times, as slide surfaces tend to get hot.
3. Clear and level an area large enough for your unit and the recommended minimum use and no-encroachment zones. A use zone is an area beneath and around the equipment, which we have identified on the plan drawing, which can be found in the back of this manual. This zone under and around your equipment must be free and clear of any obstruction. Overhead obstructions within the use zones of playground equipment that are not part of the play structure (for example tree limbs) shall be at least 84" above each designated play surface or 84" above the pivot point of the swings. All overhead utility line clearances above the use zone areas shall comply with all local, state, and national codes (ex: National Electrical Safety Code).
4. Have the proper tools available for installation. You will need an auger for digging footing holes, hammer, rubber mallet, 3/16", 1/4", 5/16", 7/16" and 3/4" drill bits, an accurate level, tape measure along with a standard set of wrenches, and a non-permanent felt-tip pen for marking clamp locations. A tool for completely closing S-Hooks is also necessary.
5. The equipment will arrive via truck and will be packed on long pallets, up to 14' long. You will need to plan for a way to remove the pallets from the truck, either with a fork lift with extended forks, or a large group of people to unload from the pallet on the truck by hand.
6. The use of a transit is recommended for accurate footing and platform heights. Plot the dimensions of your layout accurately with all 5" OD (Nucleus, Intensity) support posts at 48" centers, all 3-1/2" OD (Voltage) platform support posts at 44" centers and all 2-3/8" OD (Little Buddies) platform support posts at 40" centers. Footing hole locations for other components can be done at a later time during installation.

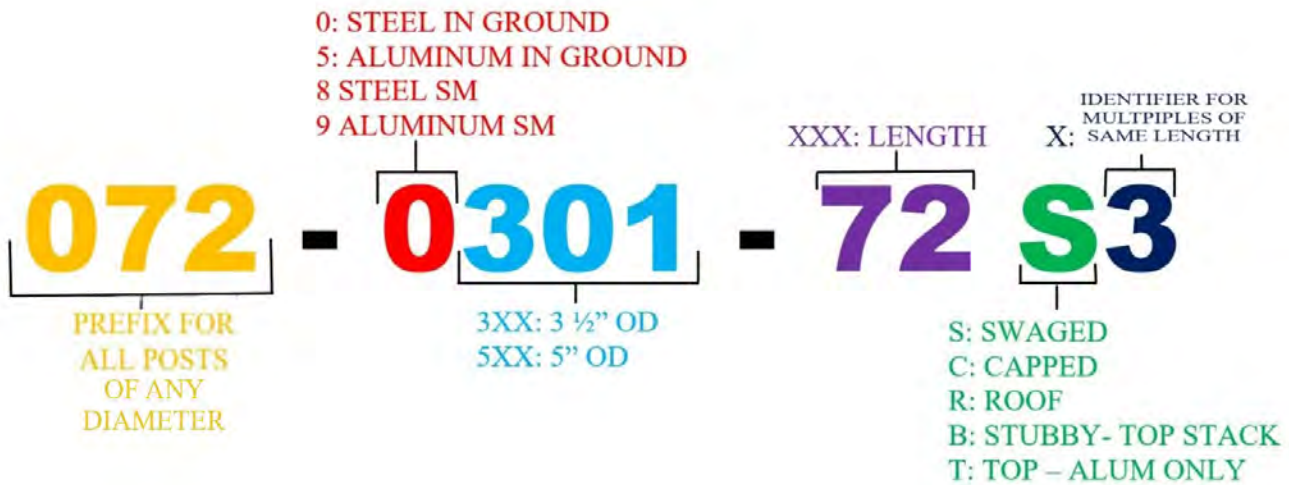
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## GENERAL INSTALLATION GUIDELINES

1. Identify each component of your equipment before starting installation. The Site Plan drawings in the very back of this manual identify each component by number and also identify each of the upright support posts with a letter and number designation.
2. The letter and number designation for the upright posts can also be found on the packaging of each post. See Figure 1 for reference below.



**Figure 1**

3. The Installation Instructions are located in the back of this manual, arranged in numerical order by the component number. The component number can be found on the site plan and on the list of components in the order documentation.
4. The platform heights, which are shown as a number in a circle on the platform on the Site Plan Drawings, are measured from the finished grade of the resilient surfacing material to the top of the platforms. They are shown in inches.
5. Footing hole depths may vary depending on the depth of the resilient material to be installed along with local soil and weather conditions. See Typical Concrete Footings in Figures 2 - 7 (located on pages 11 - 13). Use masonry bricks, gravel, or shims at the bottom of the footing holes in order to block up and plumb the posts and the platforms to the correct level. Be sure to use red plastic caps provided on ends of posts to keep posts from sinking in support material.
6. Assemble the main structure referring to the site plan and installation drawings for correct post and platform orientation. **Make sure to attach and use connecting pieces (e.g. bridges, horizontal ladders, stairs and stair barriers, rigid tubes, etc.) to ensure the correct distances to adjacent main structure units, platforms or supports. It is very difficult to adjust post spacing once they are set in concrete.**

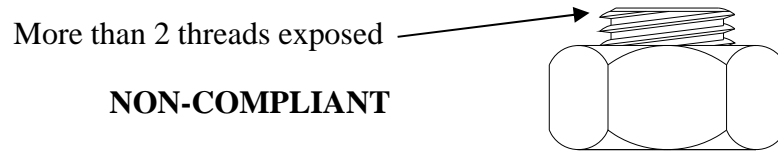
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## GENERAL INSTALLATION GUIDELINES

- After each connecting section is attached, be sure to plumb and level each component and tighten all bolts, nuts and set screws. After tightening all bolts, nuts and set screws, make sure to check any exposed bolt ends to make sure they do not protrude beyond the face of the nut more than 2 threads as required in ASTM F1487 section 6.4.3.



**Figure 1: Thread Protrusion**

If there are more than 2 threads protruding beyond the face of the nut, check for correct hardware and assembly first. If hardware and assembly are correct, there are several ways to remedy the exposed threads. You could use a shorter bolt, put extra washers behind the nut or cut the bolt removing the extra threads. If you cut the bolt, make sure to grind the ends so that they are free of burrs and sharp edges. If there are opposing bolts, such as on swing hangers, you can loosen one nut and tighten the other to even the protruding threads out

- Once the central unit is in place, brace posts in vertical position until footings have been poured, recheck level and tighten all bolts, nuts and set screws. See corresponding installation drawings.
- Attach safety enclosures (e.g. pipe walls, panels) on all platforms where other play components are not used. Tighten all bolts, nuts and set screws.
- Attach other components (e.g. slides, arch ladders, cargo nets, etc.) next, according to their respective installation instruction drawings. Tighten all bolts, nuts and set screws.
- Pour concrete footings. **MAKE SURE UNIT IS PLUMB AND LEVEL BEFORE POURING CONCRETE FOOTINGS.** See Typical Concrete Footings in Figure 2 through Figure 5 (Located on Page 7 through Page 9). After concrete footings have been poured and the concrete has set, backfill holes with dirt to reduce the potential of any concrete footing ever protruding above the resilient surfacing material
- Clamp and Bracket Installation Guidelines:

### **Nucleus/Voltage/Intensity**

Drill holes to pin or rivet mount brackets per instructions in installation drawings. This is VERY IMPORTANT. This will ensure that the components will not slide, slip, or rotate on the brackets.

**NOTE:** In coastal areas, a clear silicone caulk (provided in installation kit with purchase of Burke Coastal Package) can be utilized to help seal the drilled holes prior to inserting rivets into the mount brackets. See typical mount bracket assembly drawings located in the installation instructions section.

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## GENERAL INSTALLATION GUIDELINES

13. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines. See Resilient Surfacing Material, Figures 6 - 8, and Table 1 (located on pages 10 - 12).
14. Attach swings, rings, and tire swings after resilient surfacing material is in place. Completely close all "S" hooks. See ASTM Requirements for Fastening Devices in Figures 9 - 12 (located on page 13).
15. Attach Warning and Manufacturer labels. See Warning and Manufacturer Labels for instructions and Figures 13 - 14 (located on pages 14 - 15).
16. After installation is complete, inspect the entire unit. Make sure all fastening hardware and setscrews are tight, and all drive pins and rivets have been installed. Make sure all "S" hooks are completely closed. Check all coated parts to ensure coating is covering all metal; if not, follow repair instructions listed in the Maintenance section.
17. Most of our fasteners are precoated with a Loctite patch. As noted previously, fasteners should only be started for initial assembly so that the Loctite is not activated. Once you are going to tighten the hardware, use this list for standard fastener torque specs. Note: it may be necessary to tighten a bolt more than standard torques in order to have the assembly draw two parts together. **We do not recommend the use of impact wrenches for the assembly of any playground components as they can damage the hardware, nutsert and component part.**

1/4"-20	100 in-lb
5/16"-18	140 in-lb
3/8"-16	250 in-lb
7/16"-20	400 in-lb



### **NO IMPACT WRENCHES**

Also note that fastener torque should not be tested after the Loctite has been activated or set up. It would take a much greater torque to break the screw loose, and that may cause the Loctite to not hold the screw tight.

18. We strongly recommend complete inspections for new structures occur within three (3) days after installation, within seven (7) days after installation and on a regularly scheduled basis thereafter. Playgrounds with heavy use should be inspected daily. For your convenience there is an Inspection Checklist (located on page 16).

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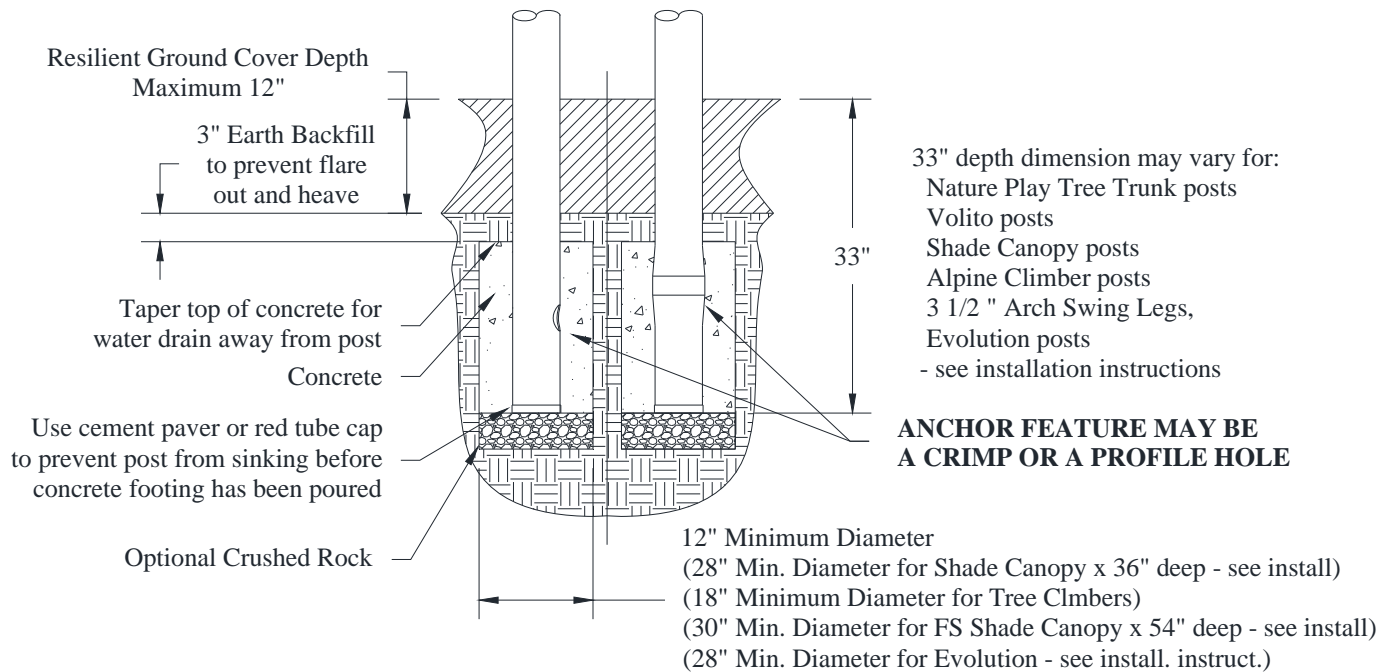
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## TYPICAL CONCRETE FOOTINGS

Burke specifies concrete in-ground footings, surface mount, and surface mount pier footings to provide the foundation for the playground structure. The details provided on this page recommend minimum footing requirements. This page is what you will reference when installation prints require you to see a typical footing detail. **The following details are to be used on all Burke products unless specific dimensions are given on a particular component installation sheet.**



**Figure 2: Support Post Footing Detail**

Support Post Footing Detail is used for the following:

- 5" OD TUBING
- 3 1/2" OD TUBING
- ALL SQUARE TUBING
- See Installation Instructions to determine depth of posts for SHADEPLAY CANOPIES and EVOLUTION tower structures.

### Special Considerations:

1. Consult your local building codes to assure proper depth of footings. The required diameter and depth of the concrete can vary depending on soil conditions and temperature extremes.
2. In cold weather climates the concrete should be deep enough to reach below the frost line, especially the main support posts.
3. In sandy or loose soil conditions the diameter of the footing should be doubled to provide a stable support structure.
4. Use masonry bricks, gravel, or shims at the bottom of the footing holes in order to block up and plumb the posts and the platforms to the correct level.

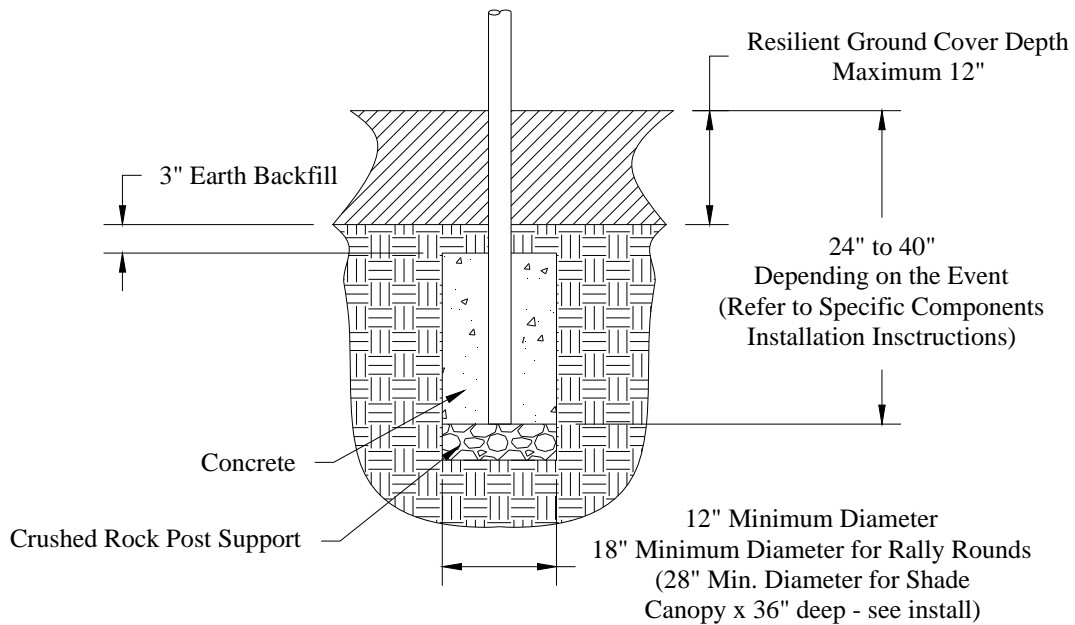
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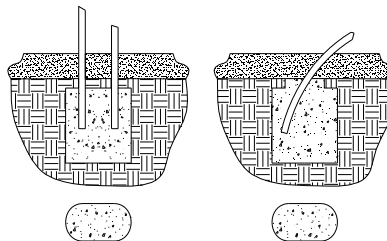
# TYPICAL CONCRETE FOOTINGS



**Figure 3: Play Event Footing Detail**

The Play Event Footing Detail is used for the following:

- All tubing 2 3/8" OD and smaller
- All Playground Structure Play events
- 12' x 12' and 15' x 15' ShadePlay Canopy Posts (36" MIN DEPTH)
- 15' x 19' and HEX ShadePlay Canopy Posts (36" MIN DEPTH)



**Figure 4: Optional Play Event Footing**

Some play events have 2 supports close together or a single support that enters the ground at an angle. A trench like hole can be excavated to cover both situations as shown above. The starting size of the trench should adhere to the dimensions listed on the play event footing detail.

## Special Considerations:

1. Consult your local building codes to assure proper depth of footings. The required diameter and depth of the concrete can vary depending on soil conditions and temperature extremes.
2. In cold weather climates the concrete should be deep enough to reach below the frost line, especially the main support posts.
3. In sandy or loose soil conditions the diameter of the footing should be doubled to provide a stable support structure.

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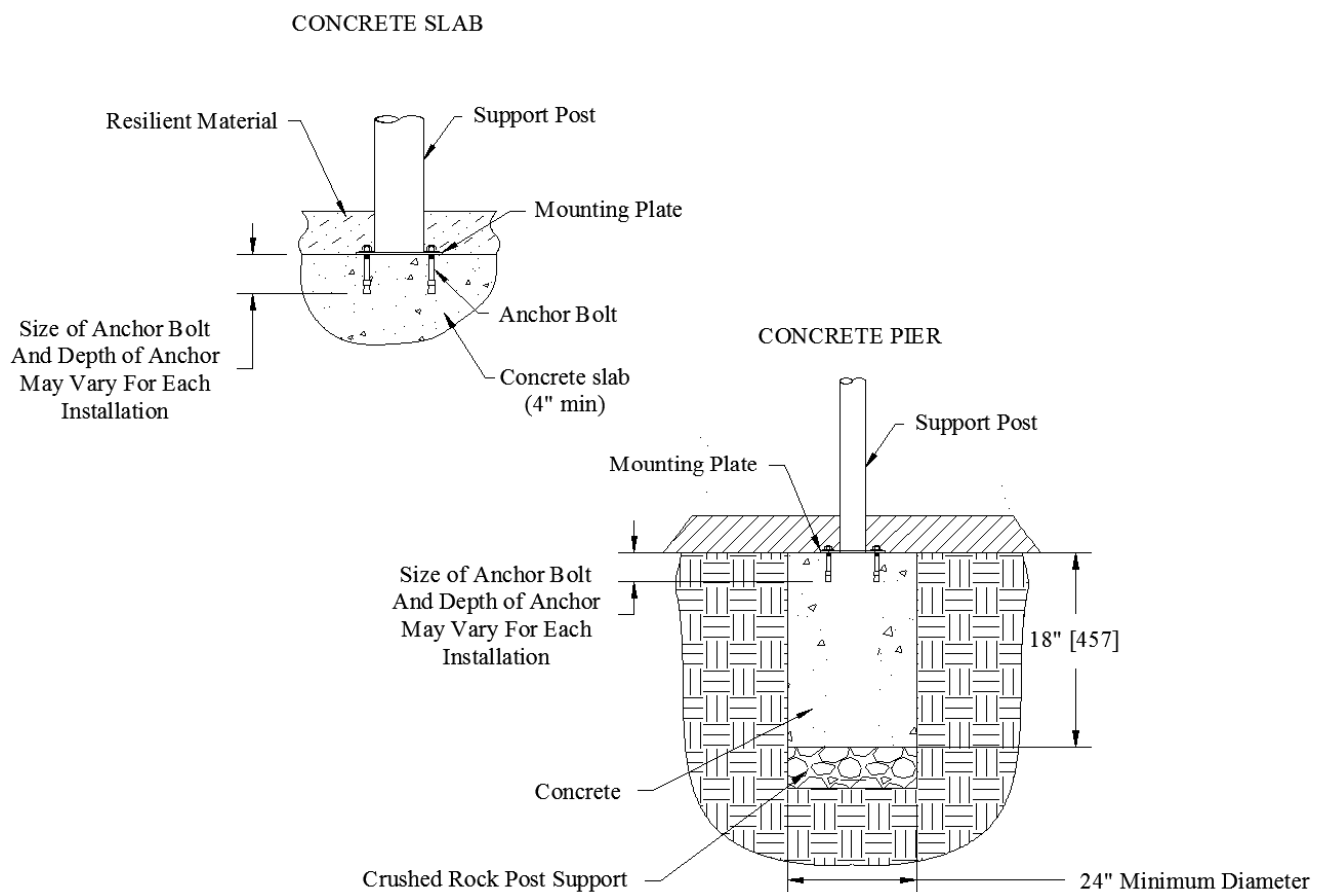
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## TYPICAL CONCRETE FOOTINGS

When installing a surface mounted structure or event as seen in Figure 5, there may be multiple mounting plate styles depending on the type of supports involved. A hole is to be drilled and an anchor installed for each hole or slot in all mounting plates. Surface mounted events and structures are to be installed to concrete surfaces only. Concrete is to be a minimum of 4 inches in thickness and have a minimum strength rating of 3000psi for structures without shade canopies; 4000psi with shade canopies.

Burke recommends 1/2" diameter anchors, with the length based on the thickness of the concrete slab, the type of anchors and the recommendation of the anchor manufacturer. The pullout strength of each anchor should be a minimum of 2600 pounds. If there is a shade canopy on the structure, surface mounting must be approved by the factory first, and anchors used must be an epoxy based anchor with a minimum pullout strength of 4000 pounds.



**Figure 5: Surface Mount Detail**

### Special Considerations:

1. Consult your local building codes to ensure the use of the proper anchor bolt size.
2. Concrete must have the proper amount of curing time to ensure that anchors have maximum holding power.
3. Existing concrete is to be free of cracks and heaving in areas where anchor bolts are to be installed.

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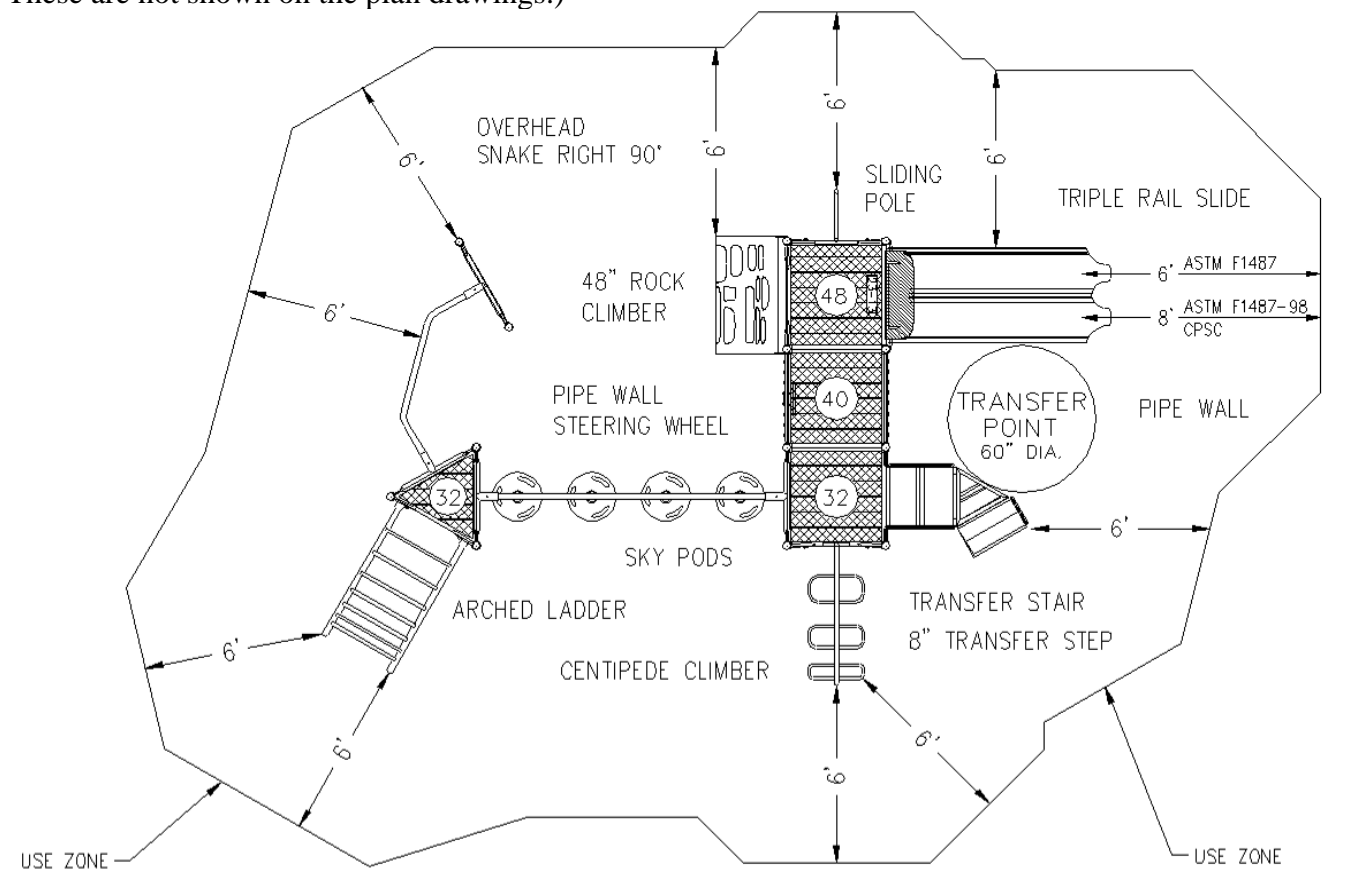
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## RESILIENT SURFACING MATERIAL

**As the owner of a playground, you are responsible for understanding the recommendations for surfacing and providing and maintaining an appropriate impact attenuating surface material under and around all playground equipment.**

Since the majority of playground injuries result from falls, use only a soft, resilient surface under and around play equipment. Never place play equipment on hard surfaces, such as concrete or asphalt. Grass surfaces are not recommended; compacted earth will not cushion falls. Shock-absorbing surfaces should meet the U.S. Consumer Product Safety Commission (CPSC) recommendations as detailed in *A Handbook for Public Playground Safety*. (Revision dated 1997, Publication No. 325, pages 3 through 6 and Appendix C pages 38 through 40), ASTM F1292: Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment and ASTM F1487: Standard Consumer Safety Performance Specifications for Playground Equipment for Public Use. For installations in Canada, shock-absorbing surfaces should also meet the requirements of CAN/CSA Z614 Clause 10. Use the soft, resilient surface in the use zone or protective surfacing zone, which we have identified on the Site Plan Drawing. (Sample in Figure 6 below.) There are also additional space requirements called no-encroachment zones around moving equipment and slides, as required in CAN/CSA Z614. (Typically extending an additional 1.8 m beyond the protective surfacing zone. These are not shown on the plan drawings.)

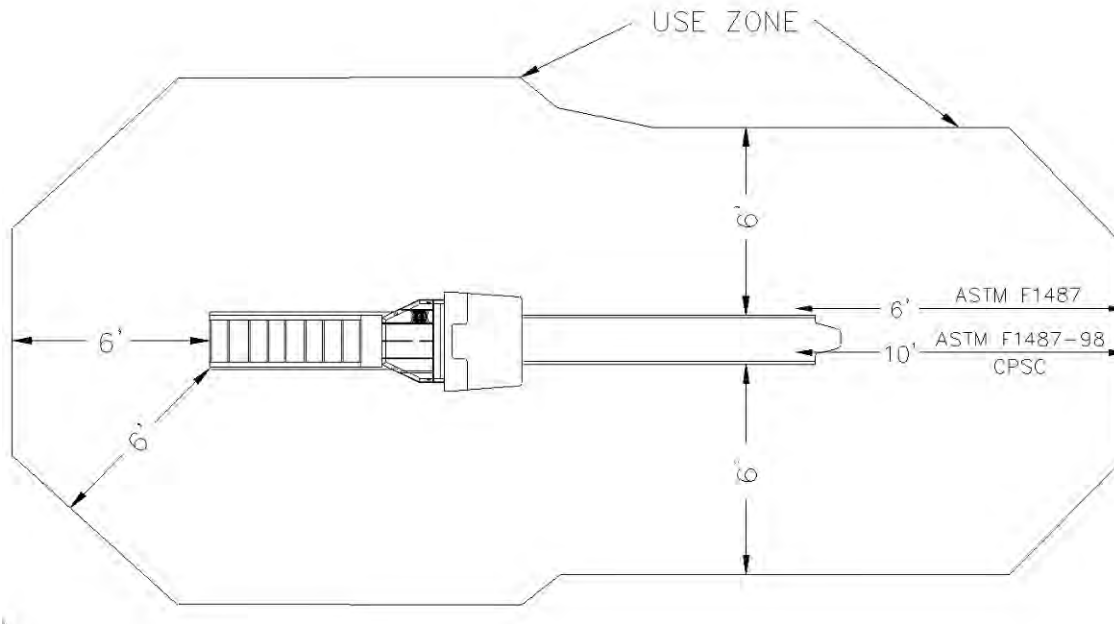


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**Figure 6: Sample Site Plan Drawing**  
**RESILIENT SURFACING MATERIAL**



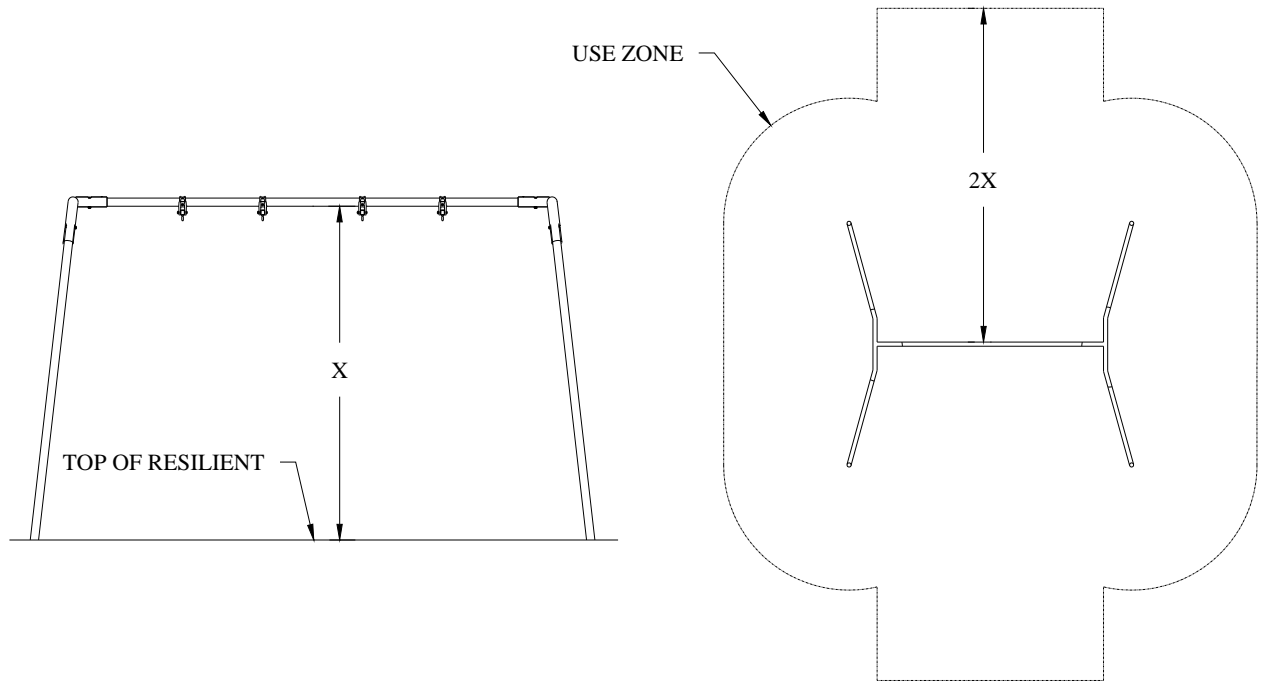
**Figure 7: Use Zone for Slides**

The selection of the resilient surface should be based on the fall potential from the highest platforms as well as the height of the average user. For stationary components and slides it should extend a minimum of 6 feet in all directions as shown in Figure 7.

To the front and to the rear of to-fro swings, the use zone should extend a “minimum distance of 2X on a line extending 90° both front and rear from the longitudinal direction of the suspending beam, where X equals the vertical distance from the top of the protective surfacing to the pivot point of the swing” and the use zone for a rotating tire swing “shall be a minimum horizontal distance of  $Y + 72$  in. (1830 mm) in all directions from pivot point of the swing, where Y equals the vertical distance between the pivot point and the top of the swing seat or suspended member.” (ASTM F 1487 Pg. 13-14. A minimum horizontal distance of 2Y is required in Canada for rotating tire swings). See Figure 8 (Located on Page 12).

In addition to the use zone required in ASTM and CPSC, a no-encroachment zone may also be provided. This is an area in which the children run and play around the equipment. To prevent traffic conflicts, the no-encroachment zone should be free of any other equipment, trees, fencing, curbing, or other hazardous objects and should extend beyond the soft resilient surfacing a minimum of 6 feet. (No-encroachment zones for to-fro and tire swings are required in Canada).

## RESILIENT SURFACING MATERIAL



**Figure 8: Use Zones for To-Fro Swings**

An impact attenuating surfacing material is required under and around all equipment. The Playground Surfacing Technical Information Guide published by the U. S. Consumer Product Safety Commission contains the results of tests performed to determine the relative shock-absorbing properties of seven loose-fill materials commonly used resilient surfacing. The report contains a table of Critical Heights, the height below which a life-threatening head injury would not be expected to occur, for each of the loose-fill surface materials tested. This information is available through the Consumer Product Safety Commission and is shown below in Table 1.

**Table 1: CPSC Critical Fall Heights (taken from pub. 325, page 10)**

Type of Loose-Fill Material	Compressed Depth of Loose-fill material	Protects to fall height of:
Wood Chips	9 inches	10 ft.
Wood Mulch (non-CCA)	9 inches	7 ft.
Shredded/recycled rubber	9 inches	10 ft.
Pea Gravel	9 inches	5 ft.
Sand	9 inches	4 ft.

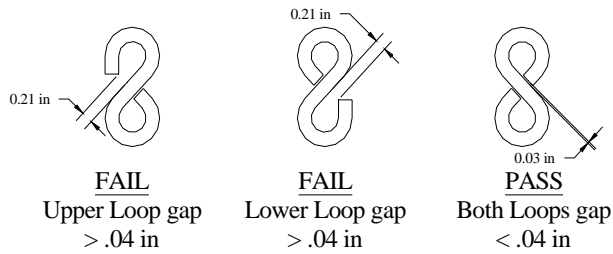
Manufactured surfaces, such as rubber matting materials, may also be suitable for use under and around playground equipment. Manufacturers of these surface materials should be contacted for specific information on the shock-absorbing performance and cost of their individual products.

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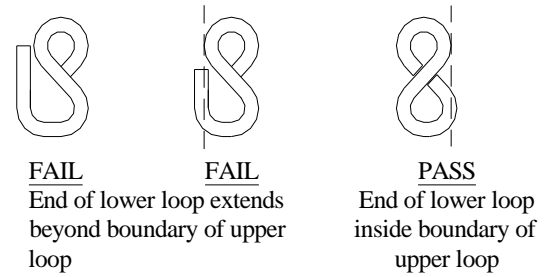
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# ASTM REQUIREMENTS FOR FASTENING DEVICES



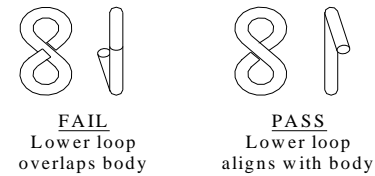
**Figure 9: Check loops for .04” gap**



**Figure 10: Check lower loop projection**



**Figure 11: Check upper loop projection**



**Figure 12: Check lower loop alignment**

## UPRIGHT POST NAMING SCHEME



**Figure 13: Upright Post Naming Scheme**



## WARNING AND MANUFACTURER LABELS

The following is the Owner's responsibility. Please read it carefully.

Labels, as required by ASTM F 1487, CAN/CSA Z614, CPSIA and California law, have been included with this playground equipment and must be applied after installation is complete.

### Instructions

- Choose highly visible label locations at a height of 4' to 5' above the resilient surfacing material. See Figure 13.
- The preferable location would be out of direct sunlight.
- Posts are the best location for labels. Do not place on PVC coated items or areas of high wear.
- Surface must be clean and dry prior to applying labels.
- Replacement labels are available upon request should a label become destroyed, mutilated or vandalized. Contact Burke Customer Service at 1-800-356-2070.



**Age-appropriate Safety Labels with Manufacturer's Identification** – You will receive labels with your equipment that designate the age appropriateness based on the specific components in your design. (Note: Three labels not shown here are those for 6-23 month olds, 4-5 year olds and 4-12 year olds. Age appropriateness is determined by ASTM requirements and CPSC recommendations.) Apply one label adjacent to or visible from the primary entrance to a structure and one label visible from another entrance on the opposite side of the structure. There should be a minimum of two labels on each play structure. Larger structures may have additional labels included. These labels should be placed near other entrances on opposite sides of the structure.



**Equipment Identification Label and cover label** - Place this label and clear protective cover label on all equipment, either directly below the Age-appropriate designation or as the top most label for equipment that does not have a specific age-appropriate label. See Figures 13, 14 and 15. This label provides the tracking label information required by CPSIA.



California Only

**Warning Labels** - Place one directly underneath each of the Age-appropriate Safety Labels and/or Manufacturer's Identification Label. If you have additional labels they should be placed near other entrances on opposite sides of the structure. **Warning Labels are a Requirement in the ASTM F1487 Standard** and they should serve as a constant reminder of the potential hazards associated with using the play equipment. **California Prop 65 Warning Label** – Required in California only.

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# WARNING AND MANUFACTURER LABELS

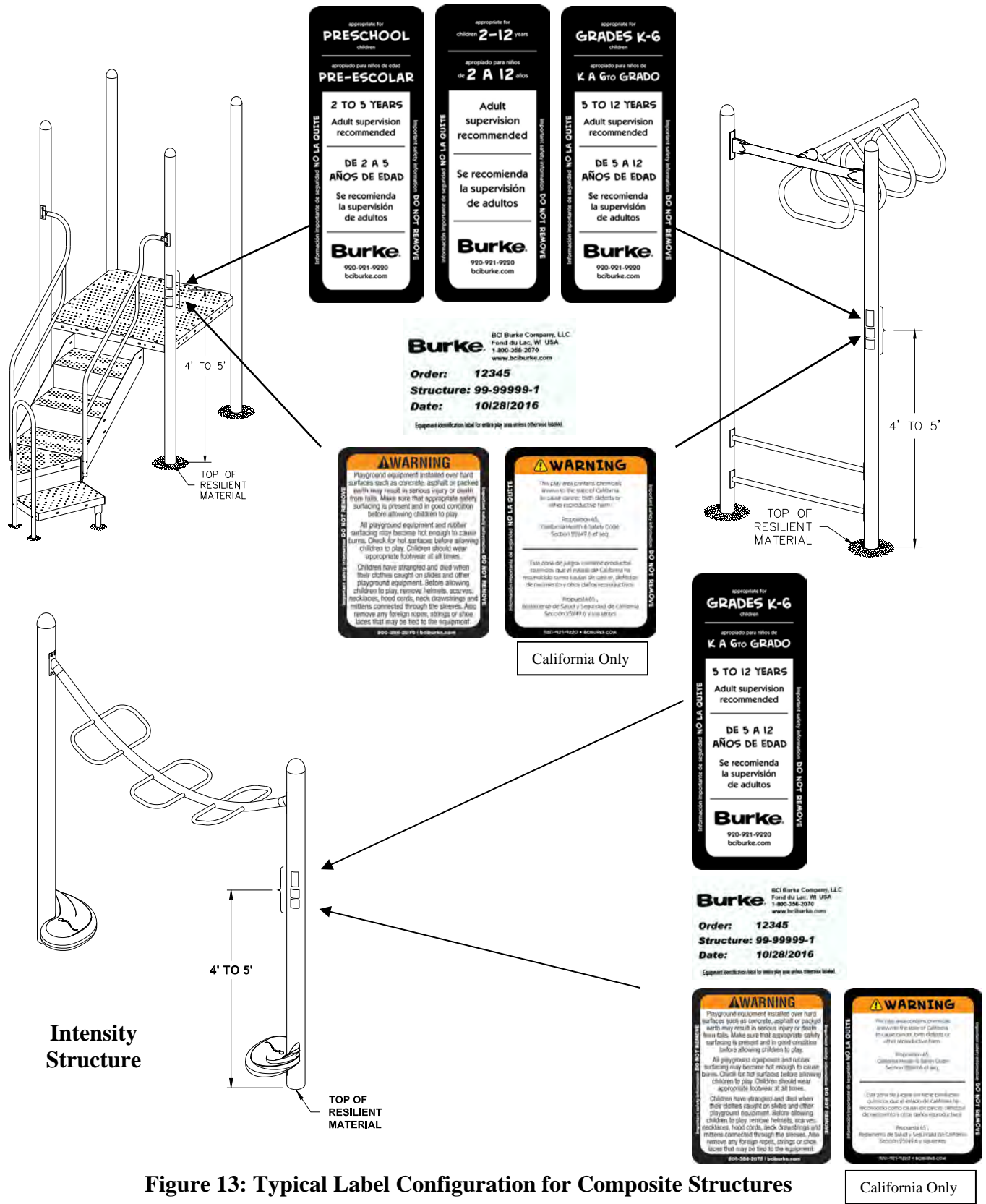


Figure 13: Typical Label Configuration for Composite Structures

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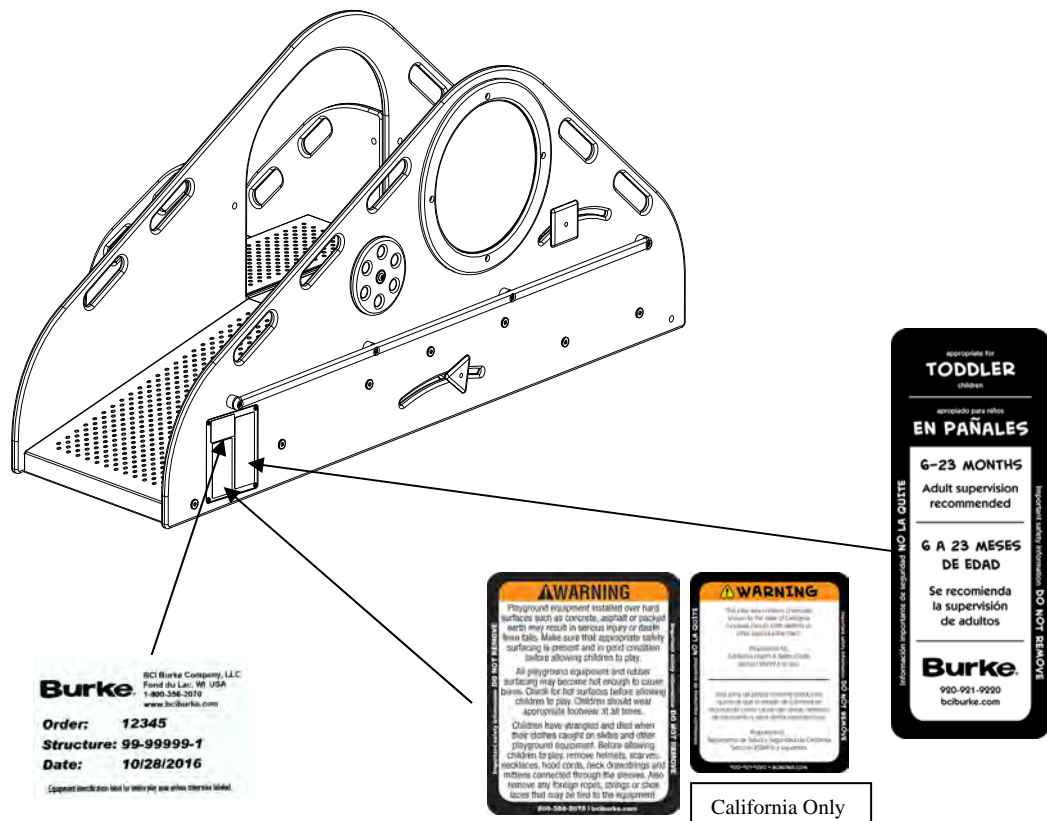


Figure 14: Typical Label Configuration for Composite Structures

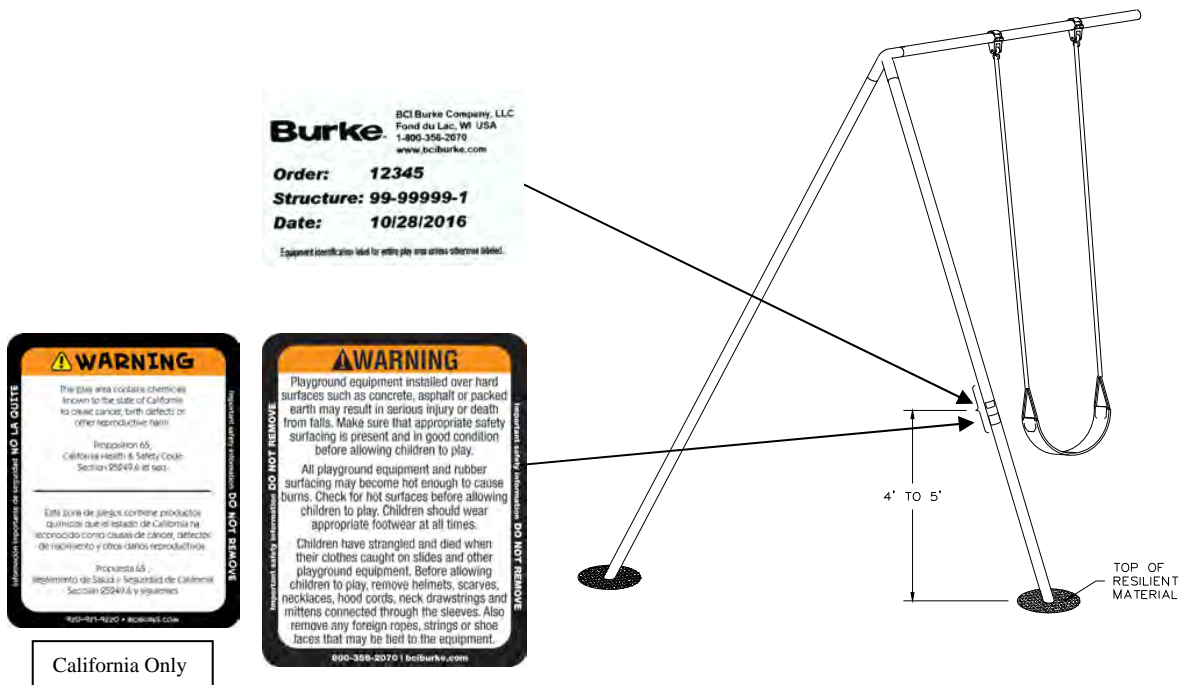


Figure 15: Typical Label Configuration for Non-Age Specific Equipment

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# INSPECTION CHECKLIST

Review all Playground Installation Guidelines, particularly checking for specified dimensions. Make sure actual installation dimensions agree with the ones in the instructions.

- ☐ Double check deck heights. The height of the deck or platform is measured from the top of the resilient surfacing material to the top of the platform.
- ☐ Clean dried concrete off support posts and any other affected components
- ☐ Review entire structure to insure that there are no completely bounded openings greater than 3 1/2" and less than 9". Completely bounded openings are openings that are enclosed on all sides.
- ☐ Insure all post ends have properly installed post caps. Insure the drive rivets are secure.
- ☐ Insure all fasteners are tightened according to specifications listed on your installation instructions.
- ☐ Insure all "S" hooks are completely closed. An "S" hook is considered closed when there is no gap or space greater than .04" when measured with a feeler gauge, or the thickness of a dime.

Inspected by: \_\_\_\_\_

- ☐ Check height of all upper body equipment, such as horizontal ladders. The height of these components should agree with dimensions as specified in Playground Installation Guidelines when measured from top of the resilient surfacing material.
- ☐ Touch up any scratches or installation damage to powder coated finish with color-matched spray paint supplied with the equipment.
- ☐ Touch up any exposed metal on coated parts following the instructions in the Maintenance section.
- ☐ Check ropes of rope climbers for any installation damage such as cuts that may expose the steel reinforcement strands.
- ☐ Insure proper use zone has been allowed for equipment. See Site Plan Drawing included in this manual to check dimensions of required zone.
- ☐ Dispose of all packaging material properly. Recycle appropriate materials and keep items like plastic bags out of reach or contact of small children.
- ☐ Insure all support post connections are permanently secured. Insure all drive rivets and/or spring pins have been installed. Review installation instructions for specific locations.

Inspection Date: \_\_\_\_\_

**BCI Burke Company, LLC**  
**For questions, call us at:**  
**1-800-356-2070**

# MAINTENANCE

Poorly Maintained playground equipment and surface areas can contribute to serious injury. Develop a comprehensive maintenance program, which should include staff training, use of inspection checklists, prompt repair of discovered problems and detailed documentation. To obtain more information, contact the U. S. Consumer Product Safety Commission (CPSC), Washington, D. C. 20207 (1-800-638-2772) and request "A Handbook for Public Playground Safety" Revised 1997.

## INSPECTIONS:

It is critical to maintaining the long life of your equipment and preventing injuries, to establish a routine maintenance program.

Once your Burke equipment has been installed and your Final Inspection Check completed, we recommend a complete inspection within seven (7) days after installation and on a regularly scheduled basis thereafter. ***Playgrounds with heavy use or in coastal areas should be inspected daily.***

As a guideline, please see the **Frequency of General Maintenance** and **General Maintenance Checklist**, which provide charts with recommended frequency for inspections as well as suggested inspection areas of your play equipment.

## Surfacing:

If you have loose surfacing materials, such as sand or wood chips, check for specified depth throughout the playground. Add new material as required.

If your safety surfacing is poured-in-place or a matting or tile, check for wear or damage.

***If your playground is installed in atmospheric conditions of high salt content, i.e. near the ocean, the chance for corrosion is much more likely. Therefore, frequent checks are highly recommended.***

## Instructions for Inspection Checklist:

1. Determine what is to be inspected and how frequently.
2. Establish a regular pattern of inspection.
3. File Inspection Report with your permanent records.
4. If a replacement part is needed, contact your local representative.
5. If repairs are needed, list action taken and date to be filed in your permanent records.

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# MAINTENANCE

(Check Material Safety Data Sheet before starting to ensure safety.)

## PVC Coating Repair Instructions:

1. Segregate the area of the equipment (by yellow tape, fencing, etc.) from children, where the repair is located.
2. Clean the area in need of repair.
  - a. Remove any coating that is loose; trim coating with a knife if necessary.
  - b. If there is any rust, remove and clean thoroughly.
3. Once clean, take container of repair material and open the spout and squeeze out the material into the cleaned area in need of repair.
  - a. Do not open container of repair material until ready to use.
  - b. As soon as you finish using the container with repair material, close it tightly immediately so it does not dry out.
4. Take a putty knife or similar tool to spread the material evenly. It should be at the same level thickness as the original coating when complete.
5. Let dry for about 15 minutes and recheck. As the material dries, it shrinks - so you may need to add material repeating the same steps (3-4) mentioned above.
6. Once fully dry (1 full day to ensure proper cure), remove yellow tape, etc. that segregated the children from the area repaired. The children may be allowed to play again.

## Touch-up Painting Instructions:

1. Segregate the area of the equipment (by yellow tape, fencing, etc.) from children, where the repair is located.
2. Clean area to be touched up by removing any loose paint or dirt particles and removing any rust with a light grit sand paper. Wipe area with clean cloth.
3. For best results, primer and touch up paint should be at room temperature. Avoid high heat and high humidity when applying the touch up paint. Shake can thoroughly to allow mixing ball to properly mix contents of the can.
4. **For structures in coastal areas:** Apply primer in *light* coats until area is covered. Allow primer to dry for 30 minutes (Primer is supplied with purchase of Burke Coastal Package).
5. **For structures in coastal areas:** Apply touch up paint in several light coats to cover the primed areas. Avoid drips and runs of the touch up paint for the best finish. Let dry for a minimum of 6 hours before use.

## Graffiti Remover:

For proper use and best results of the Graffiti Remover that is supplied with each Burke Play Structure to remove unwanted marks or vandalism, please follow this procedure:

### **For Plastic, PVC coated, rubber or GFRC and rock holds:**

1. Lightly spray the affected area and wipe off with a dry cloth/towel. For stubborn marks, spray affected area and let sit for 15 seconds and then wipe off and dry with a cloth/towel.

### **For Steel/Powder coated parts:**

1. Spray a dry cloth/towel with the graffiti remover to get a small area of it wet. Wipe the area to be cleaned with that dampened cloth. Repeat if unwanted marks are still evident. Do not spray the Steel/Powder coated part directly or let the Graffiti Remover sit on the powder coated part for an extended period of time, as it could affect the finish/shine of the powder coat. Do not spray Graffiti Remover on bearings or other areas that require or hold grease.

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# MAINTENANCE

## ShadePlay Canopy Instructions

To clean shade canopy fabric use plain water to hose down the fabric and remove any debris. **DO NOT** use any type of detergent. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty.

**CAUTION: The ShadePlay canopy must be removed from the play structure before inclement weather, severe wind storms or winter (snow) weather to prevent damage to the shade fabric or play structure.**

To remove and later re-install the ShadePlay canopy, the quick release fastening mechanism will facilitate easy removal and re-installation.

To remove the ShadePlay canopy:

1. Remove end cap from end of tensioning rafter. See Figure 16.
2. Remove lower 3/8" x 2" button head cap screw and 3/8" locknut at the pivot joint that secures the tensioning arm in the closed position. See Figure 16.
3. **DO NOT TRY TO REMOVE PIVOT PIN.** It is locked into position with a set-screw located on the top side of the rafter.
4. Carefully push up tensioning arm into the 'Open Position'. See Figure 17.

**WARNING: BE EXTREMELY CAREFUL WHEN PIVOTING TENSIONING ARM INTO OPEN OR CLOSED POSITION. TENSIONING ARM COULD SPRING UP DUE TO THE TENSION BEING APPLIED BY CANOPY CABLE SYSTEM AND COULD RESULT IN INJURY. KEEP HANDS AND FINGERS OUT FROM BETWEEN CANOPY AND ARM AND OUT OF PIVOT JOINT AREA.**

5. Unhook shade canopy fabric, cable end(s) and/or turnbuckle from hook.
6. Carefully pull down tensioning arm into 'Closed Position' and install removed hardware securing end cap and tensioning arm in closed position.
7. Repeat steps 1 thru 6 as necessary for all tensioning rafters.
8. Fold or roll up ShadePlay canopy and store in dry safe location until ready to re-install.

To re-install the ShadePlay canopy:

1. Remove end cap from end of all rafters.
2. Remove lower 3/8" x 2" button head cap screw and 3/8" locknut at all the pivot joints that secure the tensioning arms in the closed position. See Figure 16.
3. Look to make sure pivot pin is in the pivot joint of all tensioning arms. See Figure 17.
4. Lay ShadePlay canopy over rafters and orientate it so that each tensioning arm has a canopy corner. See Figure 18.
5. Attach canopy to all rafters, with tensioning arms in open position attach the canopy corner, cable end and turnbuckle end onto hook.
6. Continue to tighten canopy by carefully pulling tensioning arms down into 'Closed Position'. If canopy is too tight to pull arm down, loosen turnbuckle tension a small amount. See Figure 18.

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**WARNING: BE EXTREMELY CAREFUL WHEN PIVOTING TENSIONING ARM INTO OPEN OR CLOSED POSITION. TENSIONING ARM COULD SPRING UP DUE TO THE TENSION BEING APPLIED BY CANOPY CABLE SYSTEM AND COULD RESULT IN INJURY. KEEP HANDS AND FINGERS OUT FROM BETWEEN CANOPY AND ARM AND OUT OF PIVOT JOINT AREA.**

7. After all tensioning arms are in 'Closed Position' look around canopy for major wrinkles in fabric. The majority of wrinkles can be removed by moving the tensioning arms back into the 'Open Position' and tightening each turnbuckle a small amount. Repeat this process, tightening the turnbuckles only a small amount each time until the major wrinkles are eliminated. Minor wrinkles will disappear with time in the environment and in the stretched state. Tighten all turnbuckles evenly to spread tension. See Figure 18.
8. When tightening canopy is complete, secure tensioning arms with 3/8" x 2" button head cap screws and 3/8" locknuts. Tighten all hardware on pivot joint. See Figure 16.
9. Install end caps to all rafter ends using 3/8" x 3/4" SS button head cap screw (without locking thread) and 3/8" SS flat washer. See Figure 16.

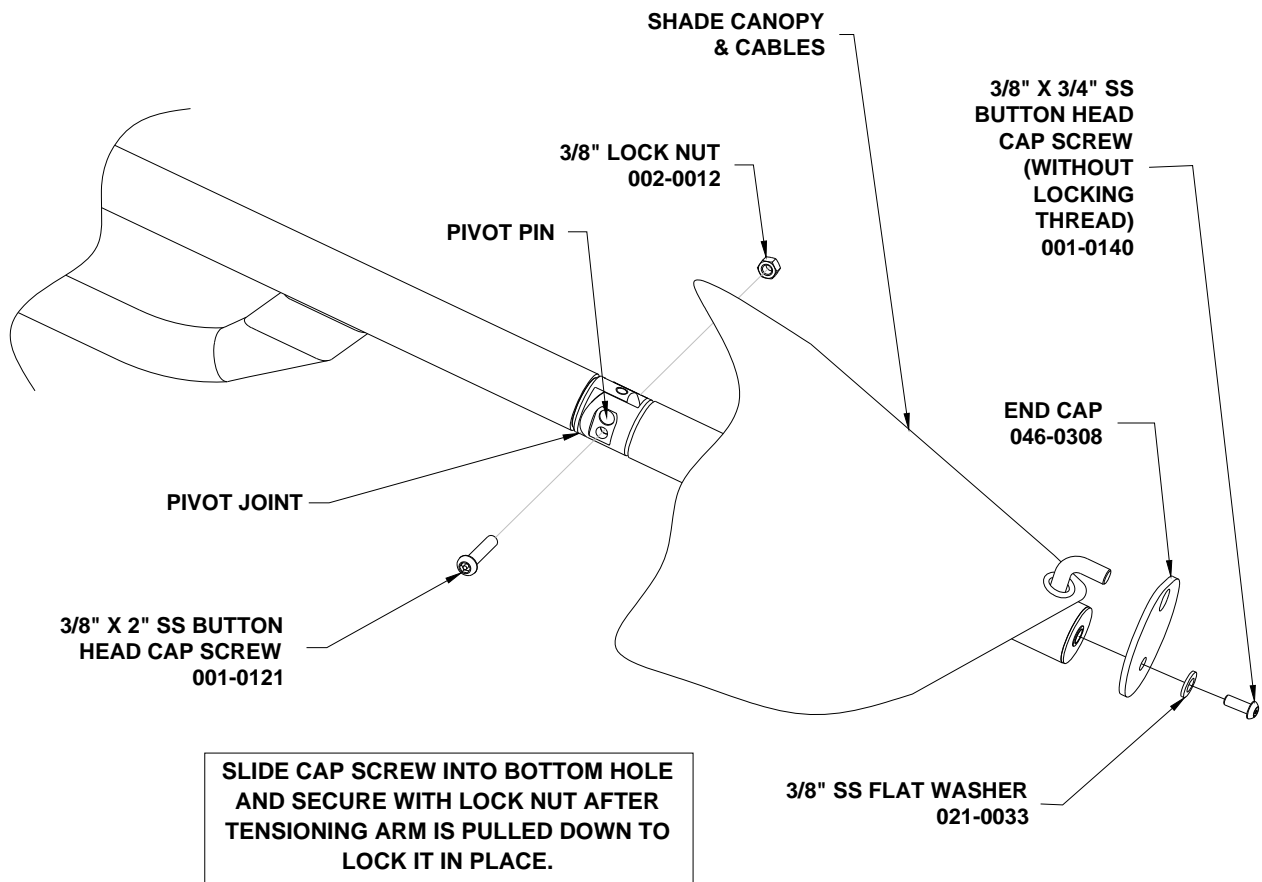


Figure 16: Tensioning Arm in 'Closed Position'

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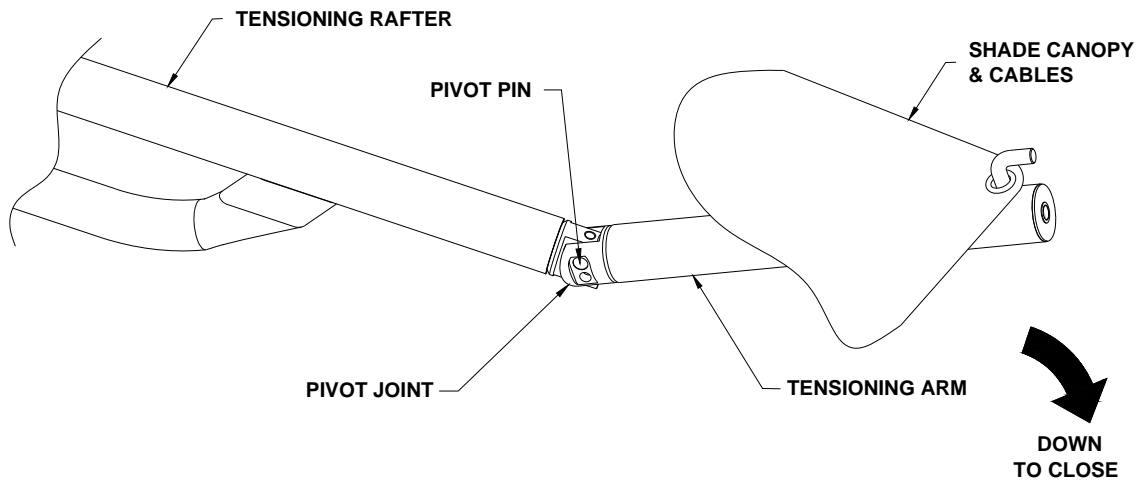


Figure 17: Tensioning Arm in 'Open Position'

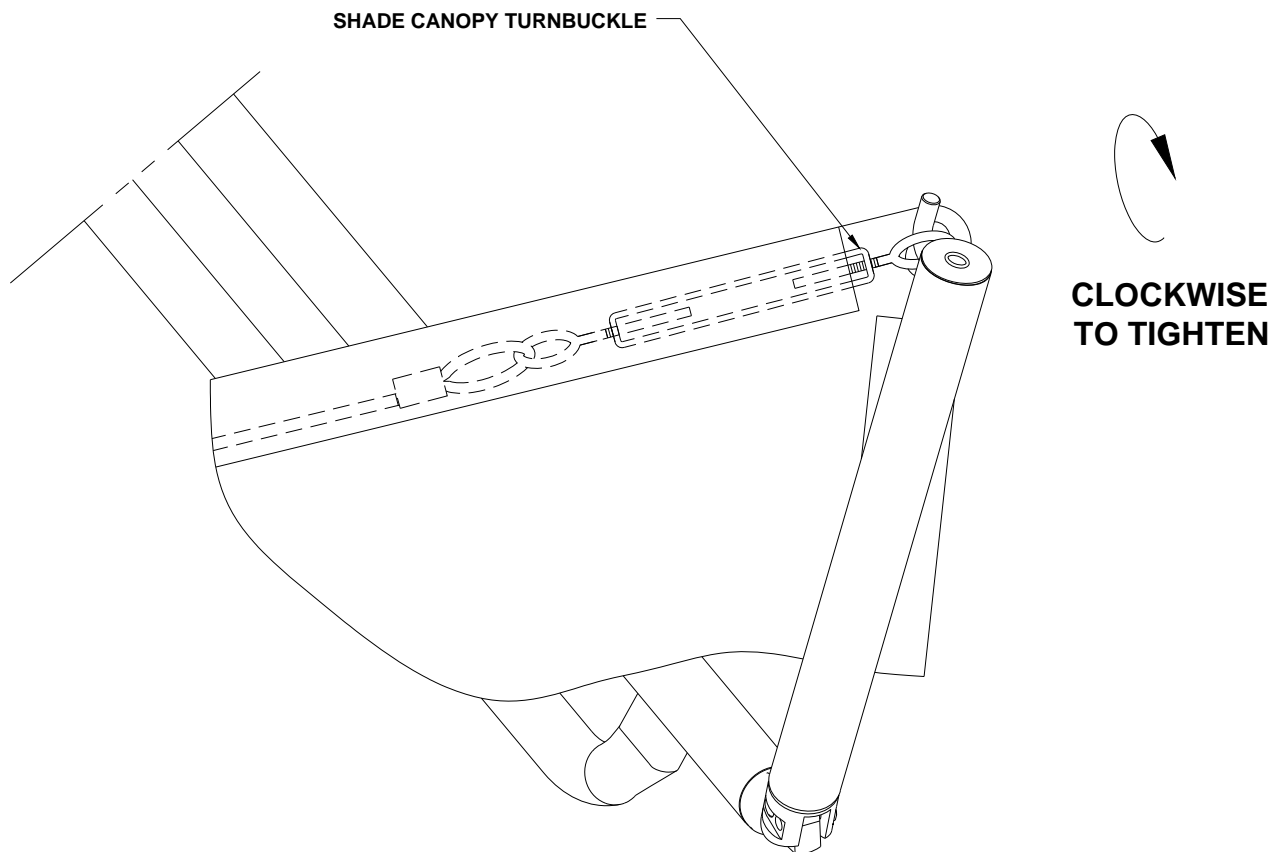


Figure 18: Tightening/Loosening Shade Canopy Turnbuckle



## MAINTENANCE

### EZ Tension ShadePlay Canopy Instructions

To clean shade canopy fabric use plain water to hose down the fabric and remove any debris. **DO NOT** use any type of detergent. Contact with organic solvents, halogens or highly acidic substances may reduce the service life of the fabric and void the warranty.

**CAUTION:** The EZ Tension ShadePlay canopy must be removed from the play structure before inclement weather, severe wind storms or winter (snow) weather to prevent damage to the shade fabric or play structure.

To remove and later re-install the EZ Tension ShadePlay canopy, the quick release fastening mechanism will facilitate easy removal and re-installation.

To remove the ShadePlay canopy:

1. Remove end caps from end of all tensioning rafters. See Figure 19.
2. Locate tension arms with 15/16" bolt head located at the end. Using a 15/16 socket rotate bolt head counter-clockwise to slide the holding pin upwards releasing the tension of the canopy.

**WARNING: DO NOT USE ANY POWER TOOLS TO ROTATE THIS BOLT.**

3. Remove lower 3/8" x 2" button head cap screw and 3/8" locknut at the pivot joint that secures the tensioning arm in the closed position. See Figure 19.
4. **DO NOT TRY TO REMOVE PIVOT PIN.** It is locked into position with a set-screw located on the top side of the rafter.
5. Carefully push up tensioning arm into the 'Open Position'. See Figure 20.

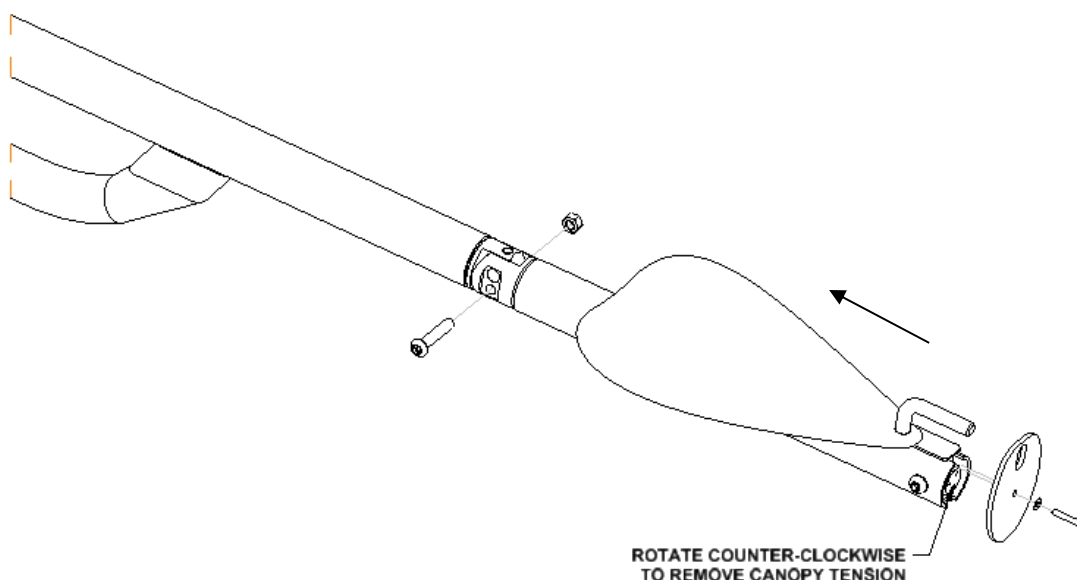


Figure 19: EZ Tension Arm in Closed Position



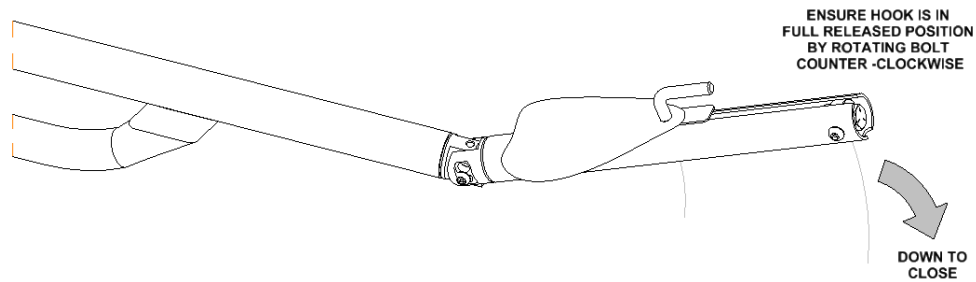


Figure 20: EZ Tension Arm in Open Position

**WARNING: BE EXTREMELY CAREFUL WHEN PIVOTING TENSIONING ARM INTO OPEN OR CLOSED POSITION. TENSIONING ARM COULD SPRING UP DUE TO THE TENSION BEING APPLIED BY CANOPY CABLE SYSTEM AND COULD RESULT IN INJURY. KEEP HANDS AND FINGERS OUT FROM BETWEEN CANOPY AND ARM AND OUT OF PIVOT JOINT AREA.**

6. Unhook shade canopy fabric, cable end(s) and/or turnbuckle from hook.
7. Carefully pull-down tensioning arm into 'Closed Position'
8. Rotate bolt clockwise to move the holding pin back to the end in the closed position.

**WARNING: DO NOT USE ANY POWER TOOLS TO ROTATE THIS BOLT.**

9. Install removed hardware securing end cap and tension arm in closed position.
10. Repeat steps 1 thru 6 as necessary for all tensioning rafters.
11. Fold or roll up EZ Tension ShadePlay canopy and store in dry safe location until ready to re-install.

To re-install the ShadePlay canopy:

1. Remove end caps from ends of all rafters.
2. With tension arms in open position, attach canopy corners to the hooks located at the end of the tensioning arms shown in Figure 20. Ensure the hooks are in the fully released position before attaching canopy by rotating the bolt counter-clockwise.
3. Begin tightening the shade canopy by pulling all of the tension arms into the closed position shown in Figure 19. When arms are in closed position, insert hardware to lock arms in place.
4. Using a 15/16" socket, turn the bolt head located in the end of the mechanisms until the hook holding the canopy is flush with the end of the tube. Clockwise rotation will apply tension to the canopy and counter-clockwise rotation will release the tension of the canopy.

**WARNING: DO NOT USE ANY POWER TOOLS TO TURN BOLT THIS MUST BE DONE WITH A SOCKET WRENCH**

5. Look around at the shade canopy for small wrinkles in the fabric. Wrinkles can be removed by removing the tension in the canopy by turning the bolt counter-clockwise and moving the tension arms back into the open position and tightening the turnbuckles a small amount (1/4 - 1/2 inch).
6. Install end caps to ends of rafters.

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# Sensory Panel Maintenance and Troubleshooting

## Care and Maintenance

Please refer to the installation instructions for details on battery installation. Apart from replacing the batteries from time to time, the unit is virtually maintenance free and has no other user-serviceable parts. Any attempt to tamper with the unit in any way other than advised in this guide will void the unit warranty.

## Cleaning

DO NOT use any chemicals or abrasive cleaners on the electronics control housing, sensors or speaker grill. Use a household hand pump water sprayer (the type you would water small household plants with) with a solution of water and a mild household detergent (the type you would use to clean your dishes) and gently spray the unit and wipe off with a soft damp cloth. DO NOT use a pressure washer or high powered hose to clean the unit.

## Speaker Grill

Keep the speaker grill clean and clear of dirt and obstructions. The speaker itself is a marine grade external speaker and it will not get damaged by cleaning with water. DO NOT attempt to push anything through the speaker grill to clear any obstructions as this may damage the speaker membrane and/or reduce the water-resistance of the whole unit.

## Troubleshooting Guide

Fault	Solution
Low or decreased volume	<ul style="list-style-type: none"><li>• Ensure that the speaker grill is clear from obstruction. Volume is set at 75% during manufacture. If more volume is required, please seek advice from the manufacturer. Tampering with the electronic circuitry will void the warranty.</li></ul>
Not all the sensors are activating the sound replay	<ul style="list-style-type: none"><li>• Check that the speaker and sensor connectors are securely seated.</li></ul>
Water or evidence of water inside the electronic housing	<ul style="list-style-type: none"><li>• If water is found inside the housing please contact the manufacturer immediately.</li></ul>

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<b>Fault</b>	<b>Solution</b>
<b>No sound or intermittent sound with older batteries</b>	<ul style="list-style-type: none"> <li>• Check that batteries are firmly seated between the terminals in the battery holder and are in the correct orientation. Check that the speaker and sensor connectors are securely seated.</li> <li>• Make certain that the sound chip on the printed circuit board has not been dislodged. If you suspect that it is dislodged, see the instructions below.</li> <li>• Replace the batteries with high-quality alkaline batteries (i.e. Duracell Ultra or better).</li> </ul>
<b>No sound or intermittent sound with new batteries</b>	<ul style="list-style-type: none"> <li>• Allow at least five minutes for the batteries and unit to acclimatize to the environment.</li> <li>• Check that batteries are firmly seated between the terminals in the battery holder and are in the correct orientation. Check that the speaker and sensor connectors are securely seated.</li> <li>• Make certain that the sound chip on the printed circuit board has not been dislodged. If you suspect that it is dislodged, see the instructions below.</li> <li>• To eliminate the possibility of a faulty battery, replace the batteries with another set of high-quality alkaline batteries (i.e. Duracell Ultra or better). Again, allow at least five minutes for the batteries and unit to acclimatize to the environment.</li> </ul>
<b>The sound chip appears to be dislodged from its housing</b>	<ul style="list-style-type: none"> <li>• If ALL of the pins on the chip appear in or directly above the corresponding socket on the housing, a light and even pressure may be used to re-seat the chip. <b>IMPORTANT</b> – excessive or uneven pressure may cause the chip to be damaged. If in doubt, contact the manufacturer.</li> <li>• If the pins are not located in or directly above the corresponding housing socket, <b>DO NOT</b> attempt to use pressure to re-seat the chip. Contact the manufacturer for advice.</li> </ul>
<b>No sound or intermittent sound when all previous solutions have been exhausted</b>	<ul style="list-style-type: none"> <li>• The unit and its components have been designed to be easily swapped out by a skilled service technician. In the rare event of failure, please contact the manufacturer for assistance. Any attempt to tamper with the unit in any way other than advised in this guide will void the unit warranty.</li> </ul>

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# MAINTENANCE

## Climbing Rope Maintenance

- A routine check per the Maintenance Checklist is very important.
- Address any issues **early!**
- Monitor wear versus mis-use / vandalism.
- Avoid sand as a resilient material.



## Addressing Frayed/Cut Ropes

- Simple flaming technique with a handheld propane torch – approved by rope manufacturer. Contact your Burke Representative for Details.
- Swift, sweeping motion with handheld torch so as not to burn or scorch the rope.
- Monitor wear of rope **AFTER** flaming is done.
- When metal strands are very evident, rope should be purchased / replaced.

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# MAINTENANCE

## GFRC Maintenance

### GFRC - Cleaning Methods

1. For smaller surface areas, a scrub brush and light cleaning detergent mixed with water is the best approach. A ZEP exterior siding cleaner can be heavily diluted and scrubbed on and off with the brush.
2. For larger areas, you can use a pressure washer. The pressure washer should be no greater than a 1500 PSI washer. Use a 25 to 40-degree wide nozzle to prevent surface damage of the topical paints on the theme finishes. Hold the nozzle a minimum of 2' away from the surface. Clean a small, hidden test area before starting the project to ensure the pressure washer will not damage the surface. Pressure washers generate very high pressure, so it's essential to take safety precautions and follow all the manufactures instructions when using them:
  - Use both hands when holding the spray nozzle.
  - Don't use pressure washers while standing on a ladder.
  - Wear protective eyewear at all times.
  - Never point the nozzle at anyone.
3. An alternative to using a pressure washer is to use a *home-washing kit* that attaches to the garden hose. The kits aren't as quick or as effective as pressure washers but are easier to use and are available at most local hardware stores.

### GFRC - Cleaning

1. Cover or remove anything you don't want wet or washed from the area that is to be cleaned.
2. Check the theme finishes for trouble spots that are covered in mildew, mold or moss. To determine whether a trouble area is affected by mildew, apply a small amount of diluted household bleach to the area. If it clears up, the problem is mildew. Pressure washers usually don't remove mildew, so you'll need to clean those areas by hand. Scrub off the mildew using a solution of 9 parts water and 1 part bleach.
3. If using a power washer with a soap feed, you may use a mild solution of water and detergent, or you may also use a ZEP cleaner or alternative that is specifically for power washers, following the instructions for that specific cleaner.
4. If there is indication of efflorescence on the GFRC surface, this can be cleaned with a 10% muriatic acid solution.
5. Remember, always perform cleaning on test area and inspect for damage before proceeding.
6. Begin spraying the surface, holding the nozzle at a 45-degree angle. Work from the bottom up, and move across the surface from side to side at a steady pace, maintaining the 2' distance between the surface and the nozzle head.
7. Rinse with clean water from the top down to prevent streaks.

### GFRC - Repairing

1. Minor scuff marks can be painted with the touch up repair kit provided. Multiple colors are provided in order to blend in with the original theme and markings.
2. If damage requires patching, a standard water plug kit for concrete repair can be purchased at any local hardware store. Follow the instructions for repair, making sure to create a similar surface texture of rock or tree bark in the concrete while it is still wet.
3. Once concrete patch is dry it can be painted with the touch up repair kit provided.

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# MAINTENANCE

## ZipVenture Maintenance and Inspection

ZipVenture products should be inspected and maintained as specified for all playground equipment. The following are additional maintenance and inspection procedures specific to the ZipVenture products.

### Tools Required:

1. 8-ft step ladder
2. Ratchet wrench with Burke security bits
3. 9/16" & 3/4" sockets for ratchet wrench
4. Torque wrench
5. 50-lb weight with means of attaching to trolley seat (Burke recommends a sand bag and nylon webbing strap)

### Maintenance and Inspection Points:

1. Visually inspect entire structure for:
  - a. Loose, frayed, or tangled wires from wire rope
  - b. Broken springs at either end of cable
  - c. Loose spring brake parts (springs should be affixed to the cable at one end and not able to slide away)
  - d. Screws missing from spring brake parts
2. Move trolley to 20 feet from arrival (low) end of ride. Measure from the loop at the end of the wire rope. Holding seat level, measure distance from top of resilient material to bottom of seat. This should be in the range of 13 to 15 inches. If not, the tension in the wire rope will need to be adjusted. Make sure resilient material is maintained to the proper level and is consistent each time you are measuring.
3. Attach 50-lb weight to seat of trolley. With the trolley in the same 20 feet from arrival end position, and holding seat level, measure distance from top of resilient material to bottom of seat. This should be in the range of 11 to 13 inches. If not, the tension in the wire rope will need to be adjusted. Make sure the resilient material is maintained to the proper level and is consistent each time you are measuring.
4. Check tightness of fasteners. Wire rope clips should be tightened to 45 ft-lb torque.
5. Use ladder to inspect wire rope at center, both ends and also under the springs. As you inspect the wire rope, note that a strand is a group of wires twisted together, and multiple strands are then twisted around a central core to form the wire rope or cable. You should inspect the individual wires and the strands for any broken wires or excessive wear. If there are any broken wires, strands out of place or excessive wear, the cable should be replaced.
6. At the ends of the cable, there is a thimble inside the loop for reinforcement. If the thimble or the swaged fitting at the launch end of the cable is cracked, split, or broken, that piece or the entire cable (in the case of the swaged end) shall be replaced.
7. Using the ladder, remove the outer covers from the trolley. Remove the nuts from the bolts that hold the trolley case together and remove one side of the case. Roll the trolley back and forth a few inches on the rope and observe the pulleys. If a pulley does any of the following, replace both pulleys:
  - a. Fails to roll and slides along the rope,
  - b. Has its inner race rotate with the outer part of the pulley,

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- c. Makes a clicking noise, or
  - d. Wobbles (make sure it is the pulley, not the mounting bolt moving)
8. Inspect the sliders which cover the holes where the rope enters and exits the trolley. If they are broken or worn to less than 3/32" (.094) thick at any point then replace all of the sliders.
  9. Inspect the pendulum and bronze bearing attached to the trolley which support the seat chain. If the bronze bearing is excessively worn (oblong hole, split or cracked) or missing then replace the bearing.
  10. Reassemble trolley and replace the covers. Make sure to apply Loctite when reattaching the hardware.
  11. Check the link at the launch end and the turnbuckle at the arrival end. Both should move freely up and down, left and right. If not then the spherical bearings should be replaced.
  12. Check the spring assemblies at both ends. Look for broken or bent springs, damage to the plastic parts that secure the springs, missing set screws, and wear of the rubber bumpers. Replace any parts that need it.

**Note:** All bearings are lubricated for life. If a bearing is worn out then it must be replaced.

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# MAINTENANCE

## Frequency of General Maintenance

How Often	Check	Swings	Slides	Climbers	Structures	Animals	Whirls
Daily	Open S Hooks	X		X	X		
Daily	Broken Anchor Bolts	X	X	X	X	X	X
Daily	Worn Chains	X		X	X		
Daily	Broken Guardrails/Handrails	X	X	X	X	X	X
Daily	Sharp Edges	X	X	X	X	X	X
Daily	Loose or Missing Nuts/Bolts	X	X	X	X	X	X
Daily	Sharp Points/Protrusions	X	X	X	X	X	X
Daily	Unplugged Holes in Pipe	X	X	X	X	X	X
Daily/Weekly	Broken Welds	X	X	X	X	X	X
Daily/Weekly	Inadequate Surfacing	X	X	X	X	X	X
Daily/Weekly	Ropes for cuts or fraying with exposed steel reinforcement strands			X	X		
Daily/Weekly	Vandalized or Cracked PVC Coating	X		X	X		
Weekly	Worn Pinions/Clevises	X		X	X		
Weekly	Exposed Footings	X	X	X	X	X	X
Weekly	Worn Bearings	X			X		X
Weekly	Rust of Metal	X	X	X	X	X	X
Weekly	Corrosion of Aluminum	X	X	X	X	X	X
Monthly	Add grease lubrication to wheel bearings	X			X		X
Monthly	Play Mat (integrity and adhesion to surface if applicable)	X	X	X	X	X	X
Spring/Fall	Pinch Points	X	X	X	X	X	X
Inclement Weather (High winds, Snow)	Remove Shade Canopy/ARA Shade				X		

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## General Maintenance Checklist

\*for further definition, reference ASTM F1487

1. Start by reading instructions
2. Write in date of inspection
3. Check each item of inspection as it applies to your equipment
4. Make copy and file with your permanent records

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## **SUGGESTED PUBLIC PLAYGROUND LEADERS CHECKLIST**

- Prepare written guidelines for playground operation, defining goals and procedures.
- Provide for constant supervision by establishing a written schedule.
- Conduct daily cleaning and check for broken glass and other litter.
- Do not permit children to use wet or damaged equipment.
- Constantly observe play patterns to note possible hazards and suggest appropriate equipment or usage changes.
- Prepare written accident reports with special attention to surface conditions, type and extent of injury, age and sex of child, how the accident occurred, and weather conditions.
- Insist on first aid and accident training for playground leaders.
- Instruct children and playground supervisors on how to use equipment. (Playground equipment safety should be taught in the classroom.)
- Do not permit too many children on the same piece of equipment at the same time; suggest that children take turns, or direct their attention toward other equipment or activities.
- Make periodic checkups and request that worn or damaged pieces of equipment be replaced.

**BCI Burke Company, LLC**

**For questions, call us at:**

**1-800-356-2070**

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# BCI Burke Generations Warranty®

## The Longest and Strongest warranty in the industry

BCI Burke Company, LLC (“Burke”) warrants that all standard products are warranted to be free from defects in materials and workmanship, under normal use and service, for a period of one (1) year from the date of invoice.

## We stand behind our products.

In addition, the following products are warranted, under normal use and service from the date of invoice as follows:

- **One Hundred (100) Year Limited Warranty** on aluminum and steel upright posts (including Intensity®, Voltage®, Nucleus® and Little Buddies®) against structural failure due to corrosion, deterioration or workmanship.
- **One Hundred (100) Year Limited Warranty** on KoreKonnnect® clamps against structural failure due to corrosion, deterioration or workmanship.
- **One Hundred (100) Year Limited Warranty** on Hardware (nuts, bolts, washers).
- **One Hundred (100) Year Limited Warranty** on bolt-through fastening and clamp systems (Voltage®, Intensity®, Nucleus® and Little Buddies®).
- **Twenty-Five (25) Year Limited Warranty** on spring assemblies and aluminum cast animals.
- **Fifteen (15) Year Limited Warranty** on main structure platforms and decks, metal roofs, table tops, bench tops, railings, loops and rungs.
- **Fifteen (15) Year Limited Warranty** on all plastic components including StoneBorders against structural failure due to materials or workmanship.
- **Ten (10) Year Limited Warranty** on ShadePlay Canopies fabric, threads, and cables against degradation, cracking or material breakdown resulting from ultra-violet exposure, natural deterioration or manufacturing defects. This warranty is limited to the design loads as stated in the specifications.
- **Ten (10) Year Limited Warranty** on NaturePlay® Boulders and GFRC products against structural failure due to natural deterioration or workmanship. Natural wear, which may occur with any concrete product with age, is excluded from this warranty.
- **Ten (10) Year Limited Warranty** on Full Color Custom Signage against manufacturing defects that cause delamination or degradation of the sign. Full Color Custom Signs also carry a two (2) year warranty against premature fading of the print and graphics on the signs.
- **Five (5) Year Limited Warranty** on Intensity® and RopeVenture™ cables against premature wear due to natural deterioration or manufacturing defects. Determination of premature wear will be at the manufacturer’s discretion.
- **Five (5) Year Limited Warranty** on swing seats and hangers; Kid Koaster® Trolleys and other moving parts against structural failure due to materials or workmanship.
- **Three (3) Year Limited Warranty** on electronic panel speakers, sound chips and circuit boards against electronic failure caused by manufacturing defects.

The warranty stated above is valid only if the equipment is erected in conformity with the layout plan and/or installation instructions furnished by BCI Burke Company, LLC using approved parts; have been maintained and inspected in accordance with BCI Burke Company, LLC instructions. Burke’s liability and your exclusive remedy hereunder will be limited to repair or replacement of those parts found in Burke’s reasonable judgment to be defective. Any claim made within the above stated

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warranty periods must be made promptly after discovery of the defect. A part is covered only for the original warranty period of the applicable part. Replacement parts carry the applicable warranty from the date of shipment of the replacement from Burke. After the expiration of the warranty period, you must pay for all parts, transportation and service charges.

Burke reserves the right to accept or reject any claim in whole or in part. Burke will not accept the return of any product without its prior written approval. Burke will assume transportation charges for shipment of the returned product if it is returned in strict compliance with Burke's written instructions.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IF THE FOREGOING DISCLAIMER OF ADDITIONAL WARRANTIES IS NOT GIVEN FULL FORCE AND EFFECT, ANY RESULTING ADDITIONAL WARRANTY SHALL BE LIMITED IN DURATION TO THE EXPRESS WARRANTIES AND BE OTHERWISE SUBJECT TO AND LIMITED BY THE TERMS OF BURKE'S PRODUCT WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

**Warranty Exclusions:** The above stated warranties do not cover: "cosmetic" defects, such as scratches, dents, marring, or fading; damage due to incorrect installation, vandalism, misuse, accident, wear and tear from normal use, exposure to extreme weather; immersion in salt or chlorine water, unauthorized repair or modification, abnormal use, lack of maintenance, or other cause not within Burke's control; and

**Limitation of Remedies:** Burke is not liable for consequential or incidental damages, including but not limited to labor costs or lost profits resulting from the use of or inability to use the products or from the products being incorporated in or becoming a component of any other product. If, after a reasonable number of repeated efforts, Burke is unable to repair or replace a defective or nonconforming product, Burke shall have the option to accept return of the product, or part thereof, if such does not substantially impair its value, and return the purchase price as the buyer's entire and exclusive remedy. Without limiting the generality of the foregoing, Burke will not be responsible for labor costs involved in the removal of products or the installation of replacement products. Some states do not allow the exclusion of incidental damages, so the above exclusion may not apply to you.

## Terms of Sale

**Pricing:** Prices published in this catalog are in USD, are approximate and do not include shipping & handling, surfacing, installation nor applicable taxes.

All prices are subject to change without notice. Contact your Burke representative for current pricing. Payments are to be made in USD.

**Weights:** Weights are approximate and may vary with actual orders.

**Installation:** All equipment is shipped unassembled. For a list of factory-certified installers in your area, please contact your Burke representative.

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**Specifications:** Product specifications in this catalog were correct at the time of publication. However, product improvements are ongoing at Burke, and we reserve the right to change or discontinue specifications without notice.

**Loss or Damage in Transit:** A signed bill of lading is our receipt from a carrier that our shipment to you was complete and in good condition upon arrival. Before you sign, please check the Bill of Lading carefully when the shipment arrives to make sure nothing is missing and there are no damages. Once the shipment leaves our plant, we are no longer responsible for any damage, loss or shortage.

**For more information regarding the warranty, call Customer Service at 920-921-9220 or 1-800-356-2070.**

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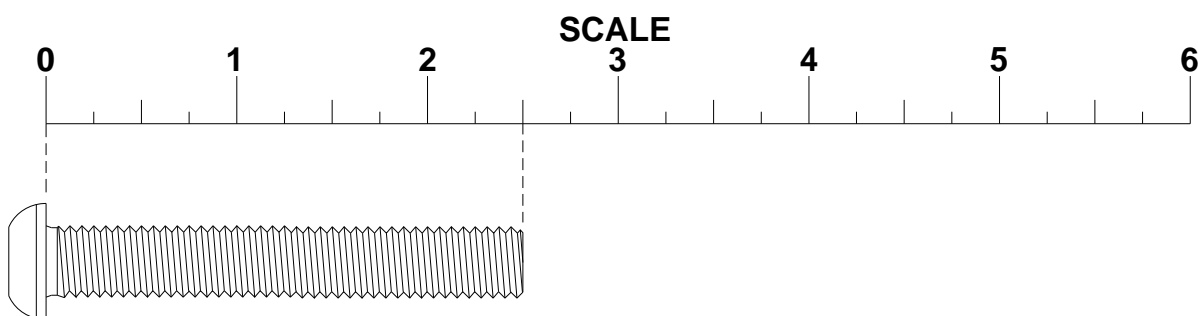
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## **APPENDIX**

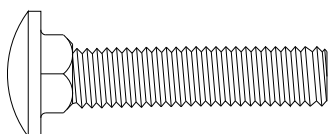
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# BCI BURKE HARDWARE



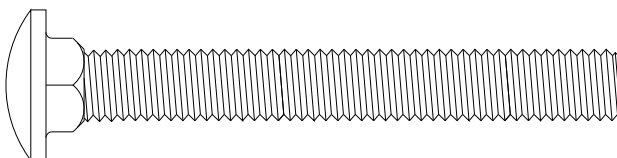
001-0116 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW  
 001-0117 - 3/8" X 1" SS BUTTON HEAD CAP SCREW  
 001-0118 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW  
 001-0119 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW  
 001-0120 - 3/8" X 1 3/4" SS BUTTON HEAD CAP SCREW  
 001-0121 - 3/8" X 2" SS BUTTON HEAD CAP SCREW  
 001-0122 - 3/8" X 2 1/4" SS BUTTON HEAD CAP SCREW  
 001-0123 - 3/8" X 2 1/2" SS BUTTON HEAD CAP SCREW  
 001-0140 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD  
 001-0143 - 3/8" X 1/2" SS BUTTON HEAD CAP SCREW  
 001-0152 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD  
 001-0153 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW W/OUT LOCKING THREAD  
 001-0185 - 3/8" X 1" SS BHCS W/O LOCKING THREAD  
 001-0165 - 3/8" X 3/8" SS BUTTON HEAD CAP SCREW



001-0083 - 1/4" X 1 1/4" CARRIAGE BOLT

001-0010 - 5/16" X 3/4" CARRIAGE BOLT  
 001-0163 - 5/16" X 1 1/2" CARRIAGE BOLT  
 001-0074 - 5/16" X 4 1/4" CARRIAGE BOLT  
 001-0082 - 5/16" X 2 3/4" CARRIAGE BOLT

001-0080 - 5/16" X 2" CARRIAGE BOLT  
 001-0077 - 5/16" X 1 1/4" CARRIAGE BOLT  
 001-0081 - 5/16" X 2 1/4" CARRIAGE BOLT



001-0018 - 3/8" X 3/4" CARRIAGE BOLT  
 001-0048 - 3/8" X 2 3/4" CARRIAGE BOLT  
 001-0098 - 3/8" X 3" CARRIAGE BOLT  
 001-0053 - 3/8" X 2 1/4" CARRIAGE BOLT  
 001-0039 - 3/8" X 2" CARRIAGE BOLT  
 001-0054 - 3/8" X 2 1/2" CARRIAGE BOLT  
 001-0068 - 3/8" X 1 1/4" CARRIAGE BOLT

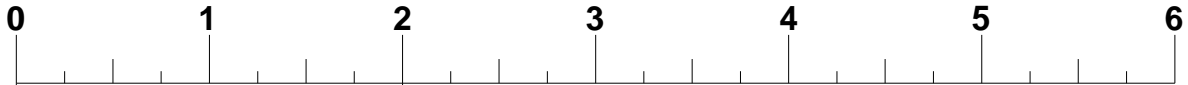
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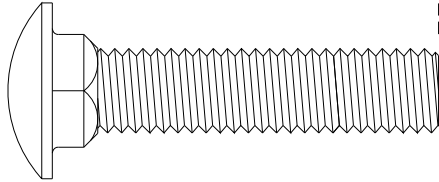
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# BCI BURKE HARDWARE

## SCALE



001-0137 - 1/4"-28 UNF X 5/8" ZC HEX HEAD CAP SCREW

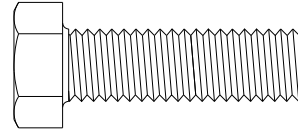


001-0025 - 5/16" X 1" HEX HEAD BOLT

001-0147 - 5/16" X 1" SS HEX HEAD BOLT

001-0146 - 5/16" X 1 1/4" SS HEX HEAD BOLT

001-0184 - 5/16" X 1 3/4" SS HEX HEAD BOLT

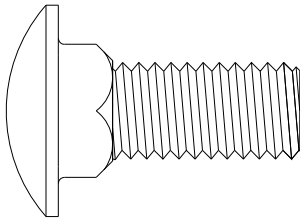


001-0050 - 7/16" X 2" CARRIAGE BOLT

001-0066 - 7/16" X 3" CARRIAGE BOLT

001-0055 - 7/16" X 2 1/4" CARRIAGE BOLT

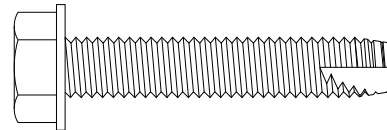
001-0097 - 7/16" X 6 1/2" CARRIAGE BOLT



001-0056 - 3/8" X 1 1/4" HEX HEAD CAP SCREW

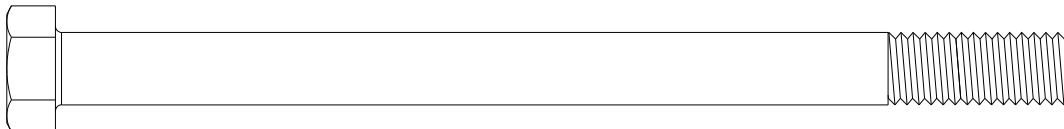
001-0058 - 3/8" X 1" HEX HEAD CAP SCREW

001-0087 - 3/8" X 1 1/2" HEX HEAD CAP



001-0141 - 1/2" X 1 1/4" CARRIAGE BOLT

001-0135 - 5/16" X 1 1/2" SELF TAPPING SCREW



001-0023 - 3/8" X 2 3/4" HEX HEAD CAP SCREW

001-0046 - 3/8" X 4 1/2" HEX HEAD CAP SCREW

001-0072 - 3/8" X 2" HEX HEAD CAP SCREW

001-0073 - 3/8" X 3 3/4" HEX HEAD CAP SCREW

001-0134 - 3/8" X 3 1/2" HEX HEAD CAP SCREW

001-0076 - 3/8" X 3 1/4" HEX HEAD CAP SCREW

001-0084 - 3/8" X 2 1/4" HEX HEAD CAP SCREW

001-0089 - 3/8" X 3" HEX HEAD CAP SCREW

001-0090 - 3/8" X 5" HEX HEAD CAP SCREW

001-0101 - 3/8" X 4" HEX HEAD CAP SCREW

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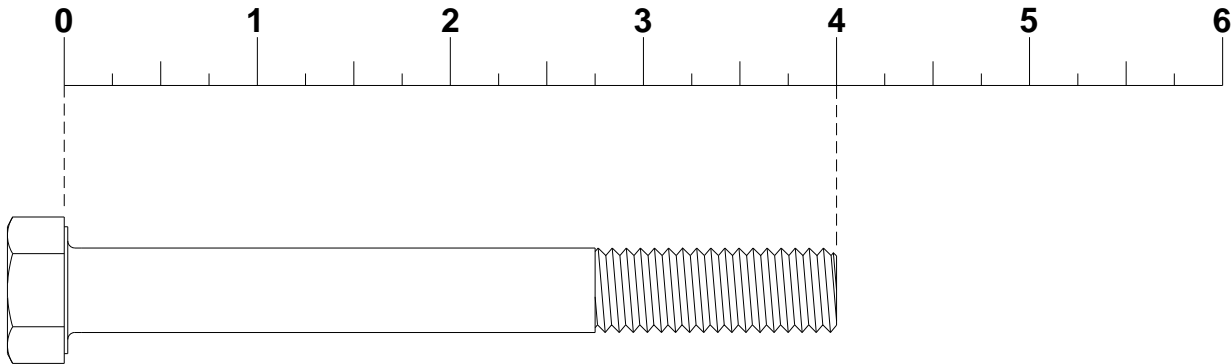
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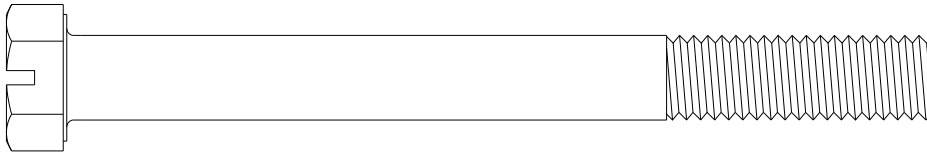
# BCI BURKE HARDWARE

## SCALE



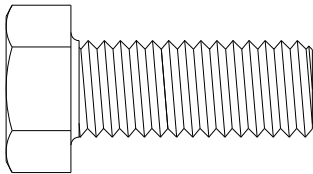
**001-0096 - 7/16" X 3 1/2" HEX HEAD CAP SCREW**  
**001-0132 - 7/16" X 4" HEX HEAD CAP SCREW**

**001-0062 - 7/16" X 1 1/4" HEX HEAD CAP SCREW**  
**001-0049 - 7/16" X 4 1/2" HEX HEAD CAP SCREW**

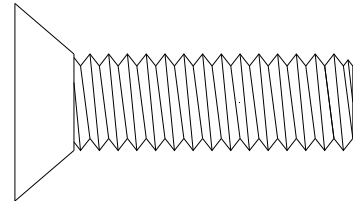


**001-0037 - 7/16" X 3" HEX HEAD CAP SCREW - SLOTTED**  
**001-0047 - 7/16" X 4 1/2" HEX HEAD CAP SCREW - SLOTTED**

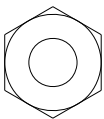
**001-0186 - 3/8" X 1 1/4" SS FLAT  
COUNTERSUNK HEAD CAP SCREW**



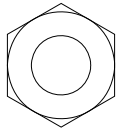
**001-0099 - 1/2" X 4 1/2" HEX HEAD CAP SCREW**  
**001-0057 - 1/2" X 1 1/4" HEX HEAD CAP SCREW**  
**001-0160 - 1/2" X 1 1/4" HEX HEAD CAP SCREW - GRADE 8**  
**001-0170 - 1/2" X 5" FULLY THREADED HEX HEAD SCREW**



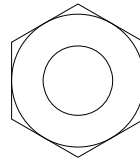
**001-0139 - 1/2" X 1 3/4" SS FLAT  
COUNTERSUNK HEAD CAP SCREW**



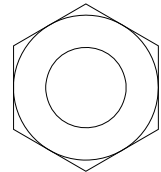
**002-0003 - 5/16" LOCK NUT**



**002-0012 - 3/8" LOCK NUT**  
**002-0018 - 3/8" NUT**  
**002-0036 - 3/8" SS NUT**



**002-0005 - 7/16" LOCK NUT**



**002-0004 - 1/2" LOCK NUT**  
**002-0049 - 1/2" SS LOCK NUT**

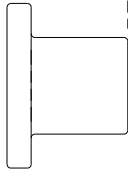
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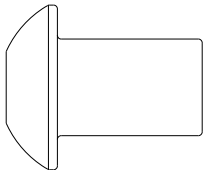
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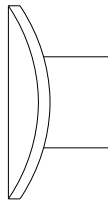
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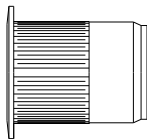
**002-0053 - 3/8" X 1/2" SS SOCKET HEAD BARREL NUT**  
**002-0063 - 3/8" X 3/8" SS SOCKET HEAD BARREL NUT**



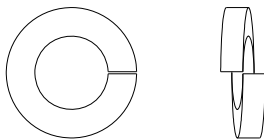
**002-0062 - 3/8" X 3/4" SS SOCKET HEAD BARREL NUT**



**002-0040 - 3/8" SS T-NUT FORMED**  
**002-0028 - 1/4" T-NUT**



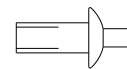
**002-0042 - 3/8" NUT INSERT**



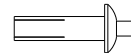
**021-0022 - 3/8" LOCK WASHER**



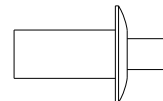
**019-0002 - 3/16" X 7/8" DRIVE RIVET**  
**019-0004 - 3/16" X 1 5/32" RIVET**



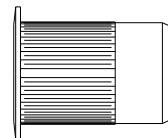
**019-0010 - 5/32" X 3/8" DRIVE RIVET**



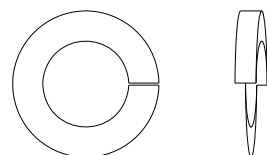
**019-0016 - 1/8" X 15/32" DRIVE RIVET**



**019-0020 - 1/4" X 1/2" DRIVE RIVET**  
**019-0009 - 1/4" X 3/4" DRIVE RIVET**



**002-0061 - 3/8" NUT INSERT (7 GA GRIP)**



**021-0027 - 7/16" LOCK WASHER**

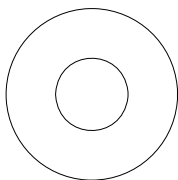
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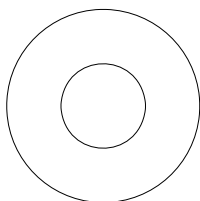
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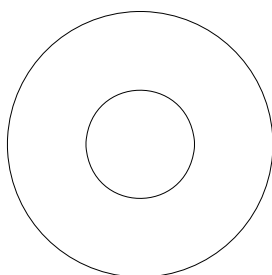
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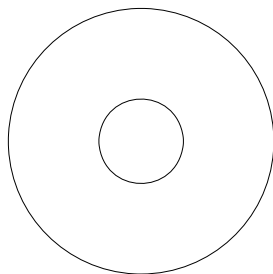
**021-0032 - 5/16" SS FLAT WASHER**  
**021-0028 - 5/16" FLAT WASHER**



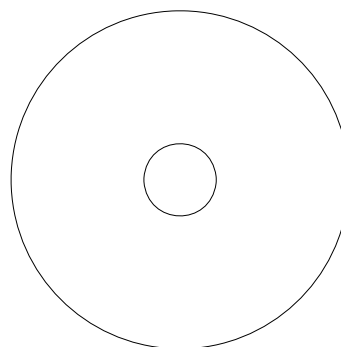
**021-0033 - 3/8" SS FLAT WASHER**  
**021-0029 - 3/8" FLAT WASHER**



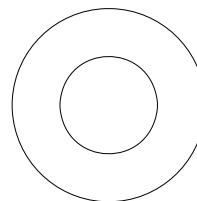
**021-0025 - 1/2" FLAT WASHER**  
**021-0034 - 1/2" SS FLAT WASHER**



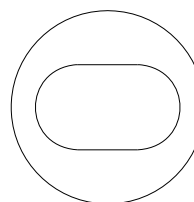
**021-0008 - 1 3/8" OD WASHER**



**021-0012 - 3/8" X 1 3/4" WASHER**  
**021-0001- 1 3/4" OD X 13/16" ID X 3/32" WASHER**



**021-0042 - WASHER, NYLON, 1/2" ID X 1" OD X .125 THK**



**021-0019 - 3/8" X 1" OD SLOTTED WASHER**

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## **Installation Instructions**

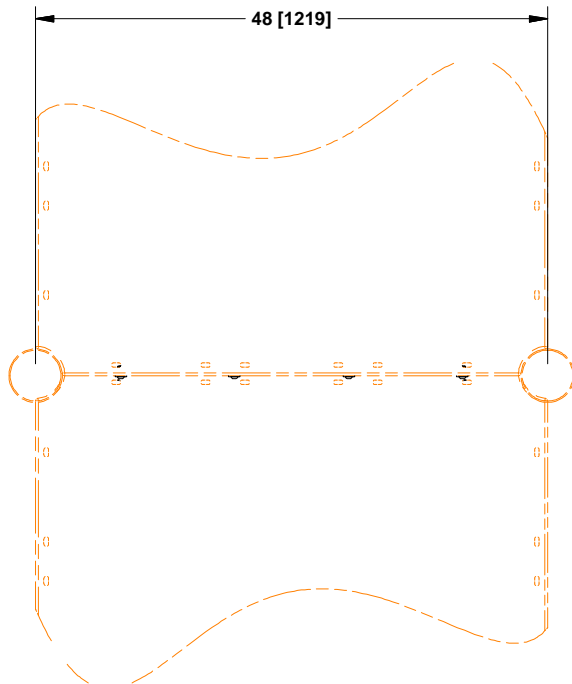
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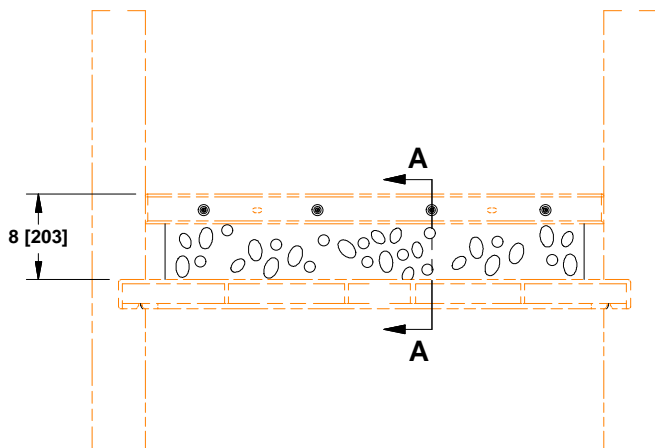
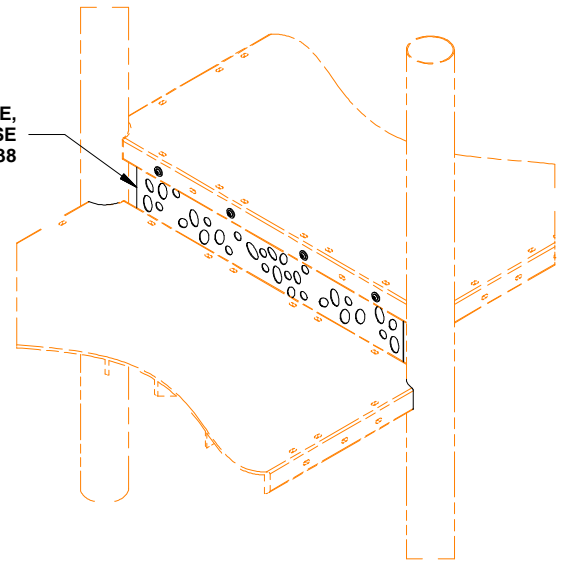
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8" CLOSURE PLATE,  
ELLIPSE  
007-1738



3/8" SS FLAT WASHER  
021-0033 8 X

3/8" X 1" SS BUTTON  
HEAD CAP SCREW  
001-0117 4 X

3/8" SS NUT  
002-0036 4 X

3/8" SS FLAT WASHER  
021-0033 8 X

3/8" SS NUT  
002-0036 4 X

3/8" X 1" SS BUTTON  
HEAD CAP SCREW  
001-0117 4 X

SECTION A-A

## 270-0009 8" CLOSURE PLATE, ELLIPSE

## PARTS LIST

PART NO.	DESCRIPTION	QTY
007-1738	8" CLOSURE PLATE, ELLIPSE	1
036-1380	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

**8" CLOSURE PLATE, ELLIPSE:** 14 GA galvanized steel plate finished with a baked-on powder coating.

**HARDWARE PACKAGES:** Stainless steel button head cap screws, washers, and nuts

**SHIPPING WEIGHT: 8 LBS.**

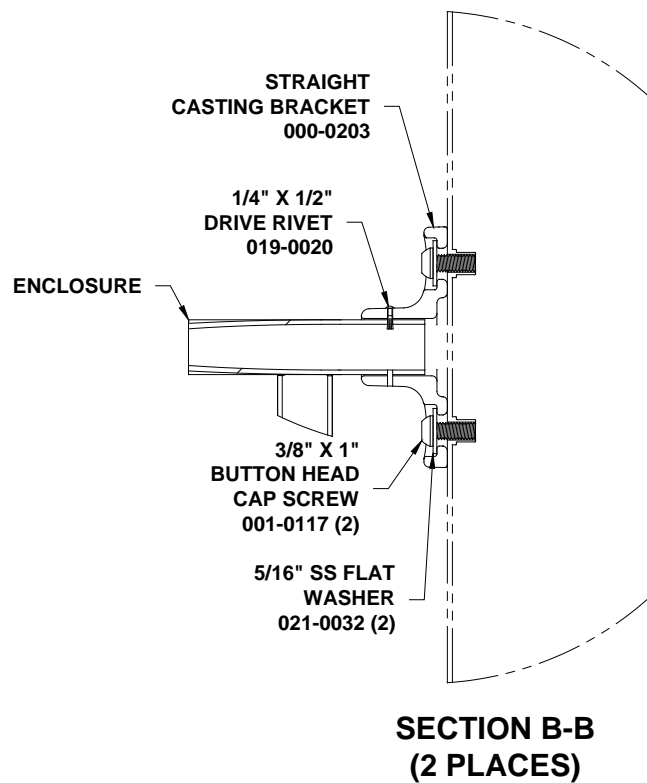
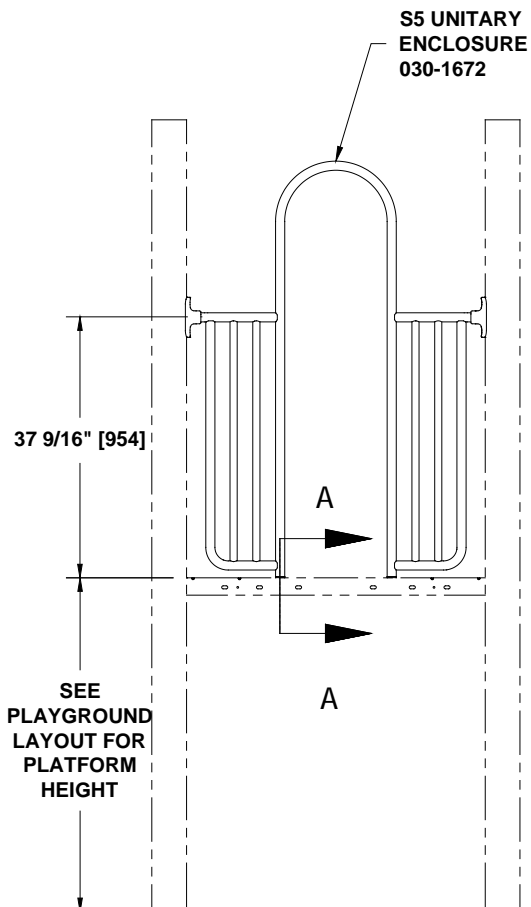
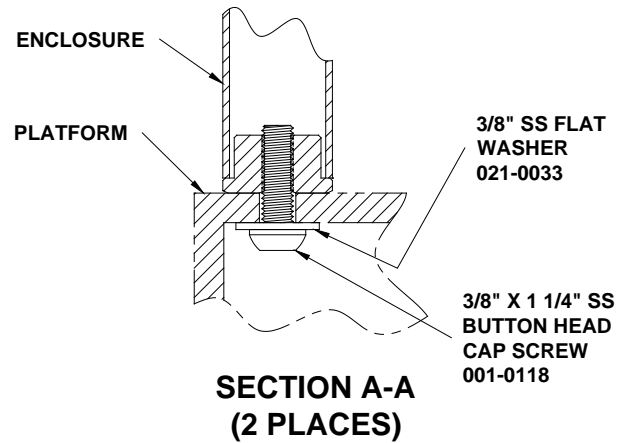
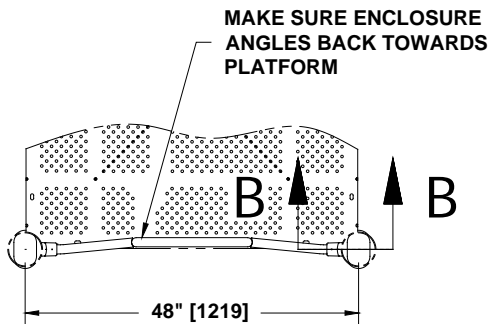
## INSTALLATION INSTRUCTIONS

**NOTE:** PVC coating may need to be removed from mounting holes in platforms before installation

**NOTE:** Do not tighten hardware until instructed to do so.

1. Attach 8" CLOSURE PLATE, ELLIPSE to upper and lower platform using hardware specified in SECTION A-A.  
Ensure the nuts are located directly under the platforms.
2. Tighten hardware.
3. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.





## 270-0112 UNITARY ENCLOSURE

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1672	NUCLEUS UNITARY ENCLOSURE	1
036-0258	HARDWARE PACKAGE	2
036-0819	HARDWARE PACKAGE	1
036-1207	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

NUCLEUS UNITARY ENCLOSURE: One piece all welded construction consisting of 1.315" OD x 14 GA, 1.315" OD x 12 GA, and 1.029" OD x 14 GA galvanized steel tubing, and HDPE threaded inserts. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: Aluminum Rivets

HARDWARE PACKAGE: Stainless steel

**SHIPPING WEIGHT: 35 LBS.**

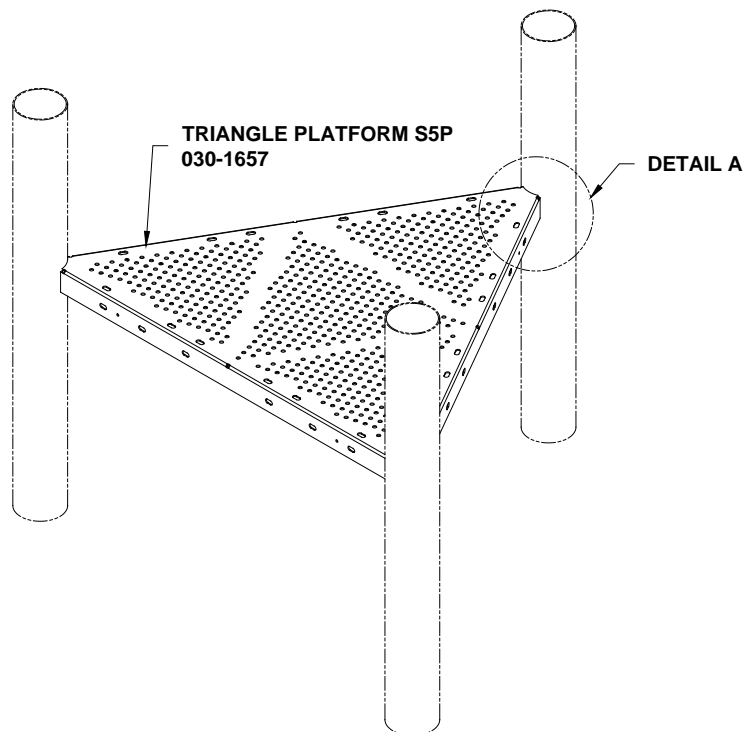
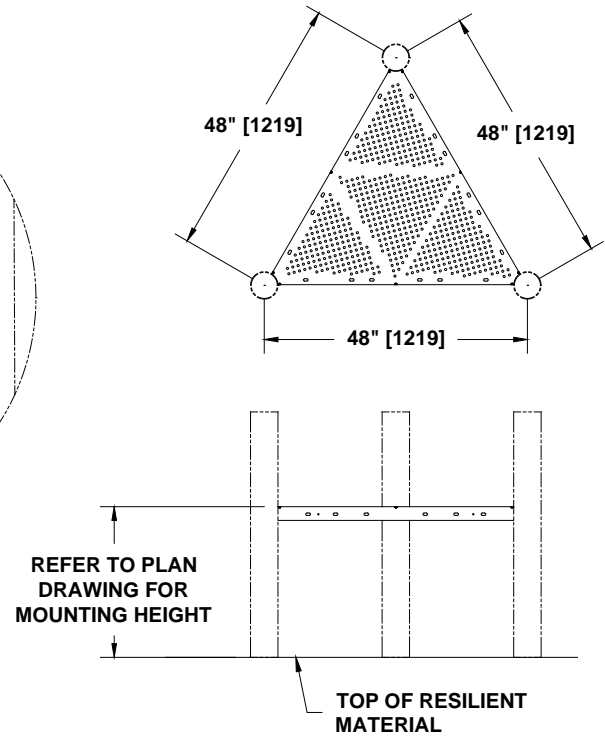
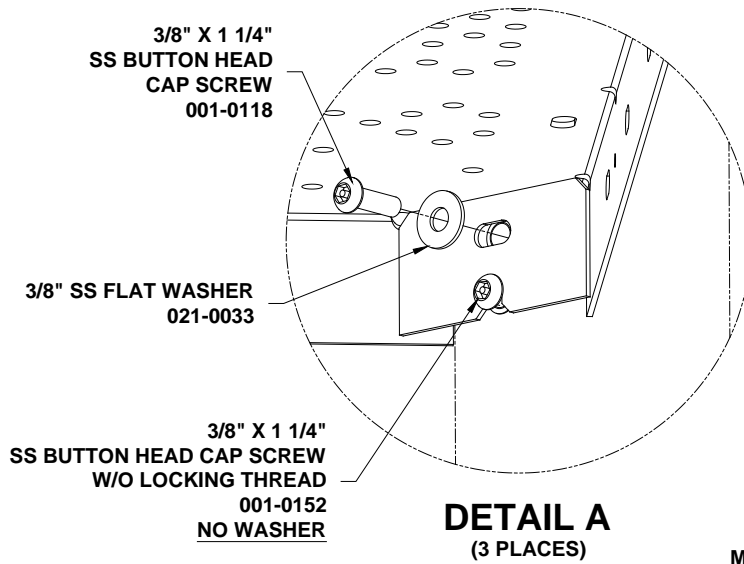
## INSTALLATION INSTRUCTIONS

**NOTE: PVC coating may need to be removed from mounting holes of parts before installation.**

**NOTE: Do not tighten hardware until instructed to do so.**

**NOTE: Make sure enclosure angles back towards platform. (See Top View)**

1. Locate holes for CASTING BRACKETS to 5" O.D. posts as per dimensions shown.
2. Insert castings onto ends of UNITARY ENCLOSURE and attach top hole of brackets to 5" O.D. posts using 3/8" x 1" button head cap screws and 5/16" washers as shown. See SECTION B-B.
3. Rotate unitary enclosure up 90 degrees and attach bottom hole of brackets to 5" O.D. posts using 3/8" x 1" button head cap screws and 5/16" washers as shown. See SECTION B-B.
4. Rotate unitary enclosure down 90 degrees and attach to platform using 3/8" x 1 1/4" button head cap screws and 3/8" washers as shown. Tighten screws. See SECTION A-A. See FRONT VIEW.
5. Drill 1/4" diameter hole through pilot hole in brackets through enclosure. Insert DRIVE RIVET. Drive rivets flush.
6. Tighten all Hardware.



## 270-0129 TRIANGLE PLATFORM S5P

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1657	TRIANGLE PLATFORM S5P	1
036-1100	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

TRIANGLE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating

HARDWARE PACKAGE: Stainless steel

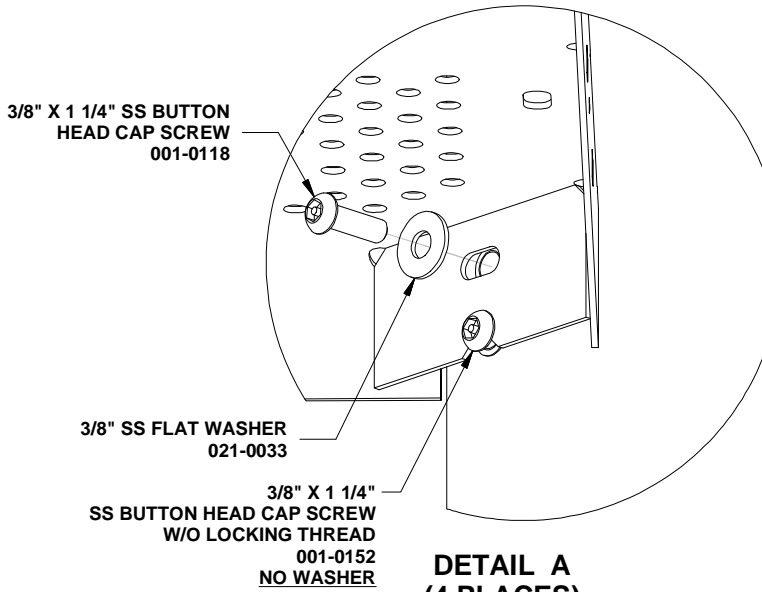
**SHIPPING WEIGHT: 48 LBS.**

## INSTALLATION INSTRUCTIONS

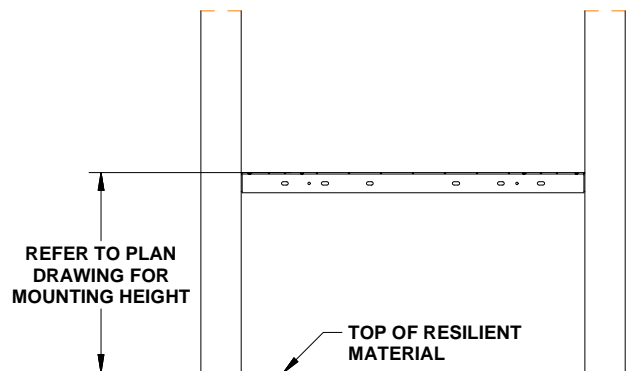
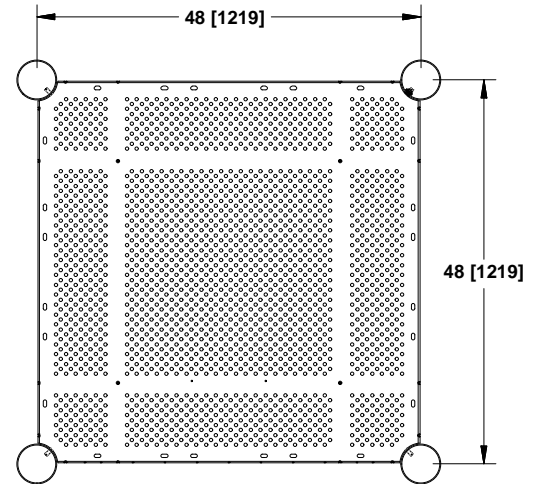
**NOTE: PVC coating may need to be removed from mounting holes of parts before installation.**

**NOTE: Do not tighten hardware until instructed to do so.**

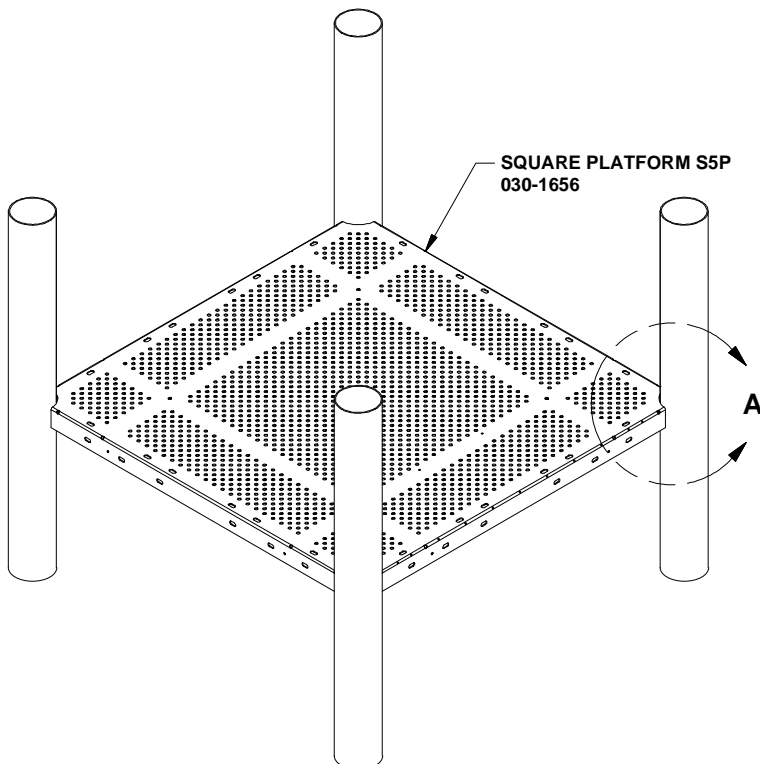
1. Locate the double sets of platform mounting holes in each post.
2. Partially thread a 3/8" x 1 1/4" SS button head cap screw W/O LOCKING THREAD into the lower hole of the double set of mounting holes WITHOUT a washer. **DO NOT TIGHTEN.** See DETAIL A.
3. Slide the three corners of the TRIANGLE PLATFORM S5P on the partially threaded cap screws on each post.
4. Complete attaching platform to posts by using 3/8" x 1 1/4" SS button head cap screws and 3/8" SS flat washers to secure platform into upper mounting hole. See DETAIL A.
5. Level platform and plumb posts.
6. Tighten all hardware.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



**DETAIL A  
(4 PLACES)  
"PATENTED EZKconnect<sup>®</sup>  
deck mounting system"**



**ELEVATION VIEW**



## 270-0130 SQUARE PLATFORM

## PARTS LIST

PART NO.	DESCRIPTION	QTY
030-1656	SQUARE PLATFORM S5P	1
036-1101	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

SQUARE PLATFORM S5P: 12 GA HRPO sheet, finished with a PVC Coating.

HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 106 LBS.**

## INSTALLATION INSTRUCTIONS

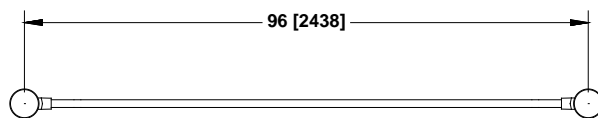
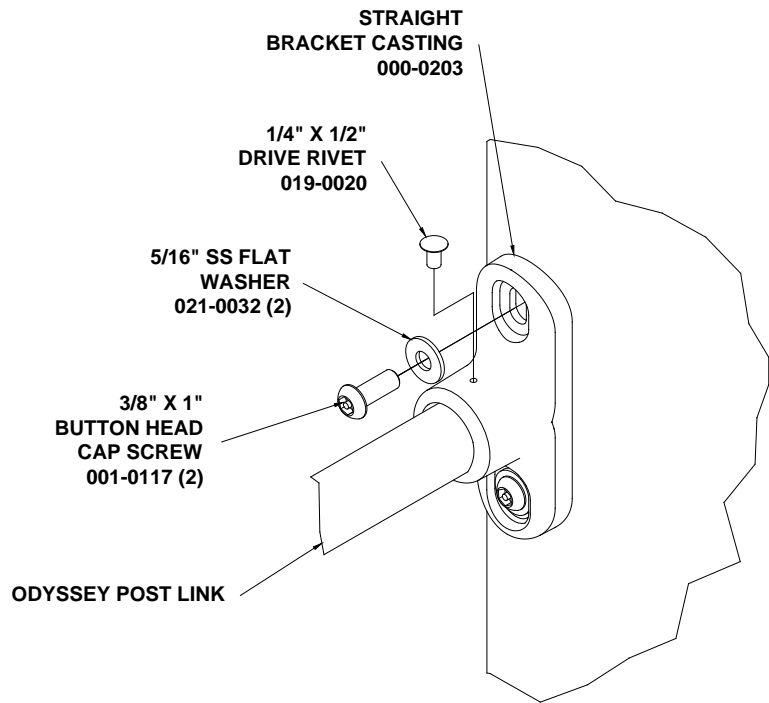
**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

**NOTE:** Do not tighten hardware until instructed to do so.

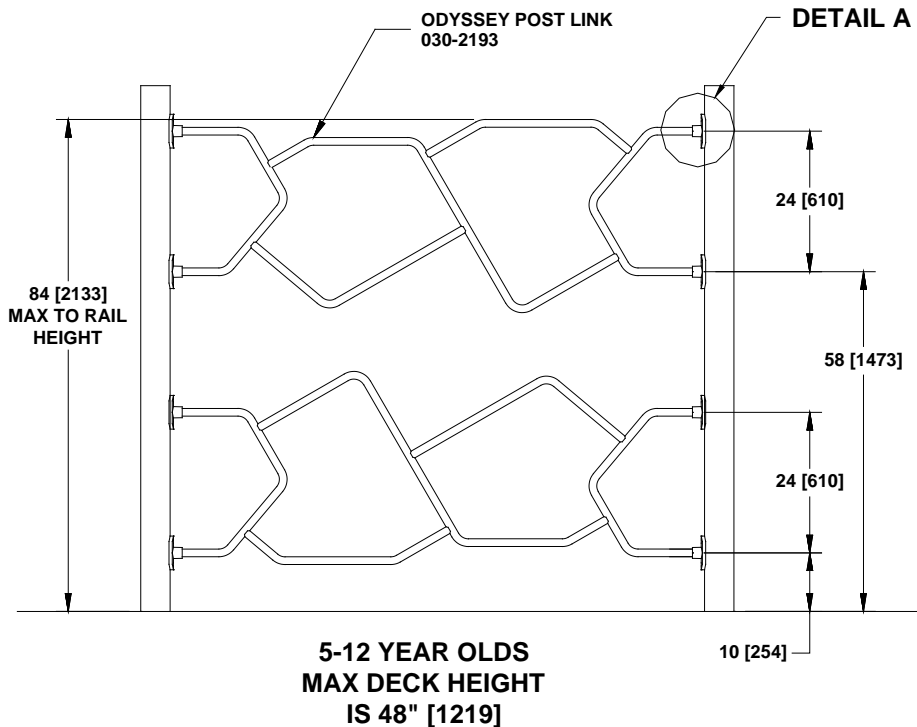
1. Locate the double sets of platform mounting holes in each post.
2. Attach with patented EZKonnec<sup>ti</sup> deck mounting system. Partially thread a 3/8"x 1 1/4" SS button head cap screw W/O LOCKING THREAD into the lower hole of the double set of mounting holes WITHOUT a washer.  
**DO NOT TIGHTEN.** See DETAIL A.
3. Slide the four corners of the SQUARE PLATFORM onto the partially threaded cap screws on each post.
4. Complete attaching platform to posts by using 3/8" x 1 1/4" SS button head cap screws and 3/8" SS flat washers to secure platform into upper mounting hole. See DETAIL A.
5. Level platform and plumb posts.
6. Tighten all hardware.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [ ] BRACKETS.



**DETAIL A  
(8 PLACES)**



## **370-0033 ODYSSEY POST LINK DOUBLE**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	8
030-2193	ODYSSEY POST LINK	2
036-0258	HARDWARE PACKAGE	8
036-0819	HARDWARE PACKAGE	4

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

ODYSSEY POST LINK: Weldment consisting of formed 1.315" OD x 12 GA galvanized tubing. Finished with a baked on powder coat finish.

HARDWARE PACKAGE: Stainless steel.

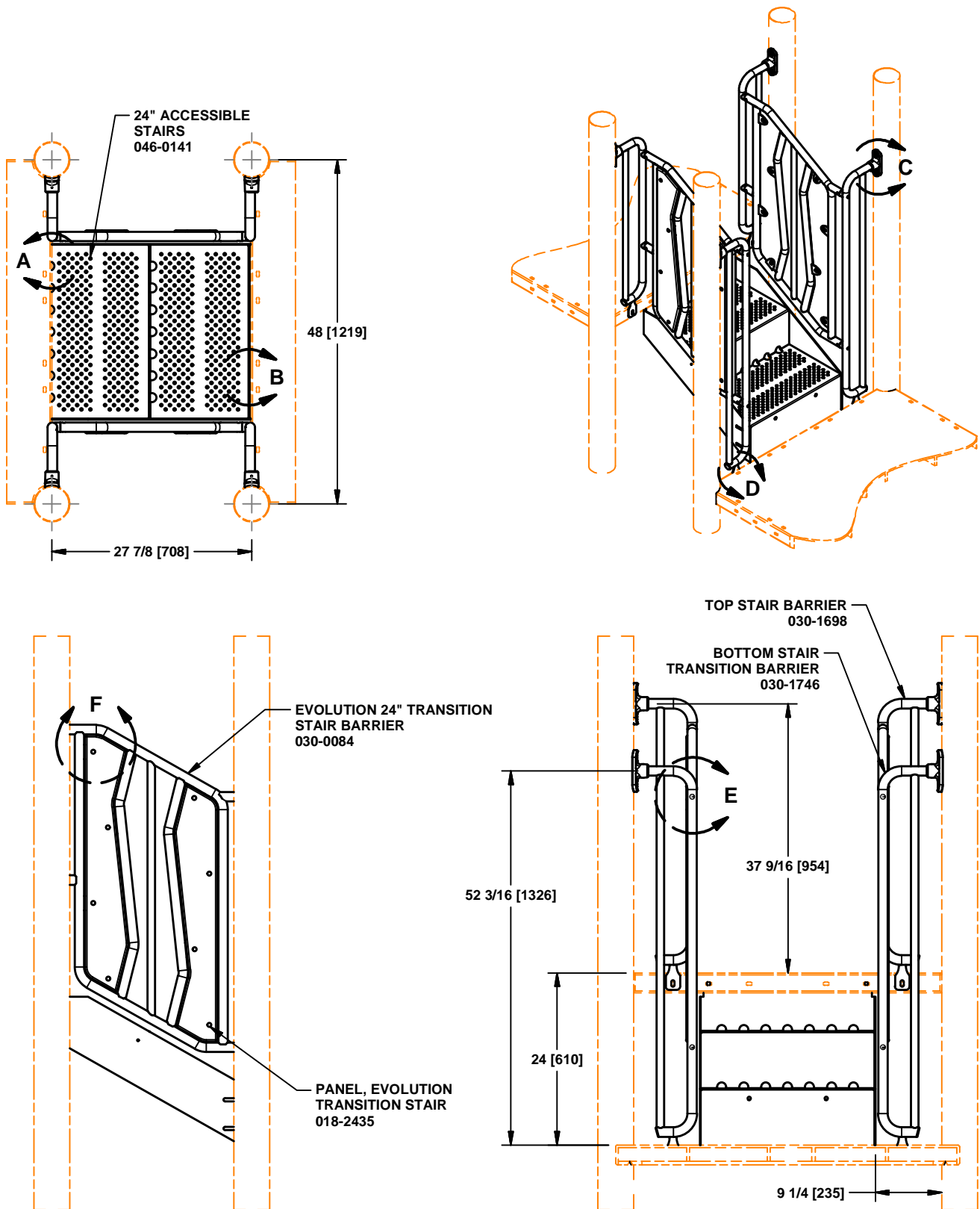
HARDWARE PACKAGE: Aluminum Rivets

**SHIPPING WEIGHT: 79 LBS.**

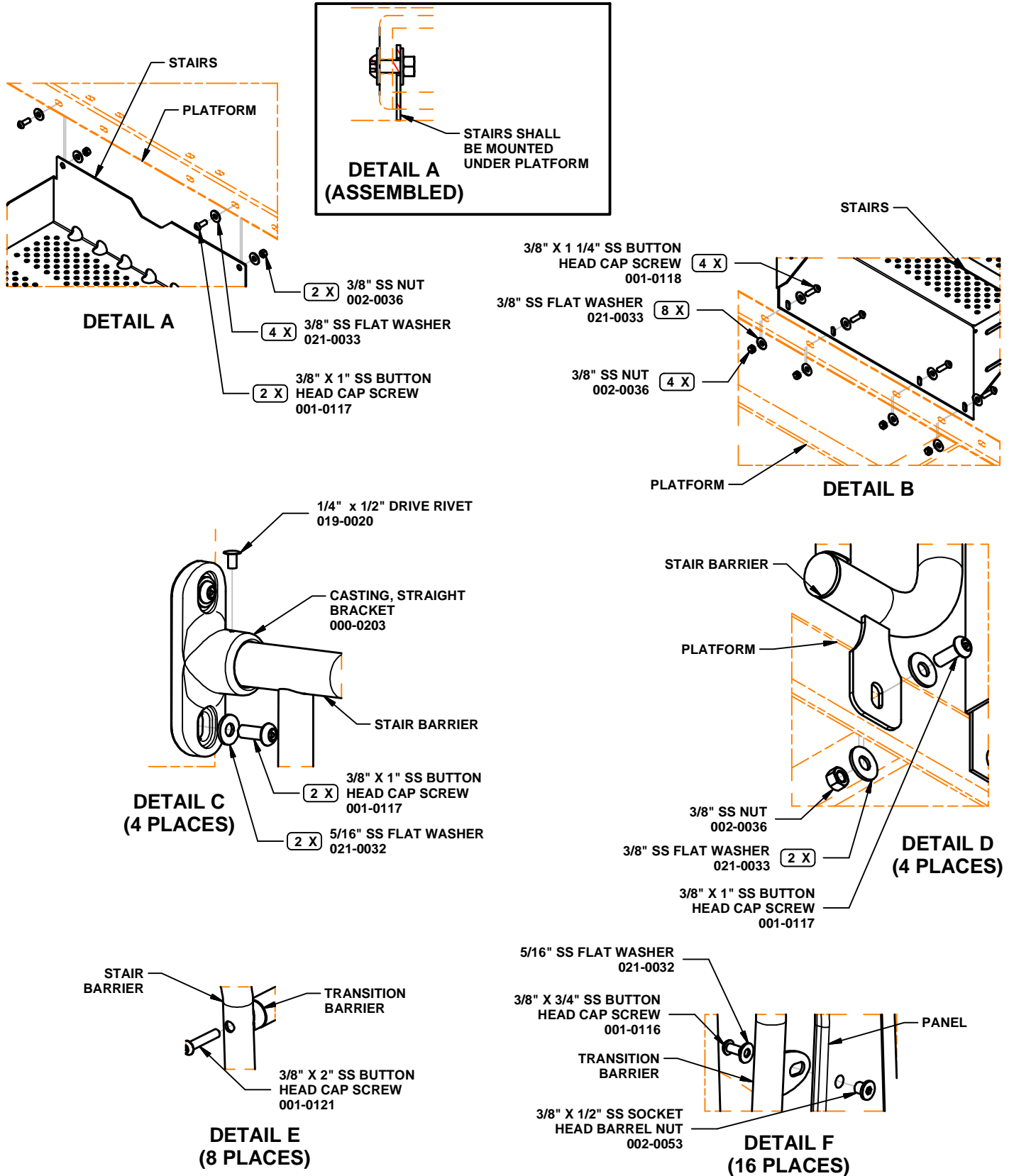
## INSTALLATION INSTRUCTIONS

1. Dig footing holes per dimensions shown. See typical concrete footing details, which are located in the preface of your installation manual.
2. Locate mounting holes for ODYSSEY POST LINKS on 5" OD posts.
3. Sleeve CASTING BRACKET onto ends of ODYSSEY POST LINKS. See DETAIL A.
4. Place ODYSSEY POST LINKS with brackets into position with 5" OD posts and fasten using hardware specified in DETAIL A.
5. Tighten all hardware.
6. Drill 1/4" diameter holes through pilot hole in mount bracket and into enclosure. Drive rivets flush with brackets and handrails. See DETAIL E.
7. Block-up, level and plumb climber.
8. Pour concrete. Let set for two to three days.
9. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.





## 370-0039 EVOLUTION 24" TRANSITION STAIR W/ BARRIERS



## 370-0039

# EVOLUTION 24" TRANSITION STAIR W/ BARRIERS

**PARTS LIST**

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>
000-0203	CASTING, STRAIGHT BRACKET	4
018-2435	PANEL, EVOLUTION TRANSITION STAIR	4
030-0084	EVOLUTION 24" TRANSITION STAIR BARRIER	2
030-1698	TOP STAIR BARRIER	2
030-1746	BOTTOM STAIR TRANSITION BARRIER	2
036-0877	HARDWARE PACKAGE	8
036-1125	HARDWARE PACKAGE	1
046-0141	24" ACCESSIBLE STAIRS	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

**SPECIFICATIONS**

CASTING, STRAIGHT BRACKET: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

PANEL, EVOLUTION TRANSITION STAIR: 3/4" Extruded HDPE.

EVOLUTION 24" TRANSITION STAIR BARRIER; TOP STAIR BARRIER; BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA and 1.029" OD x 14 GA galvanized steel tubing, and 10 GA galvanized steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless Steel.

24" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

**SHIPPING WEIGHT: 181 LBS.**

**INSTALLATION INSTRUCTIONS**

**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

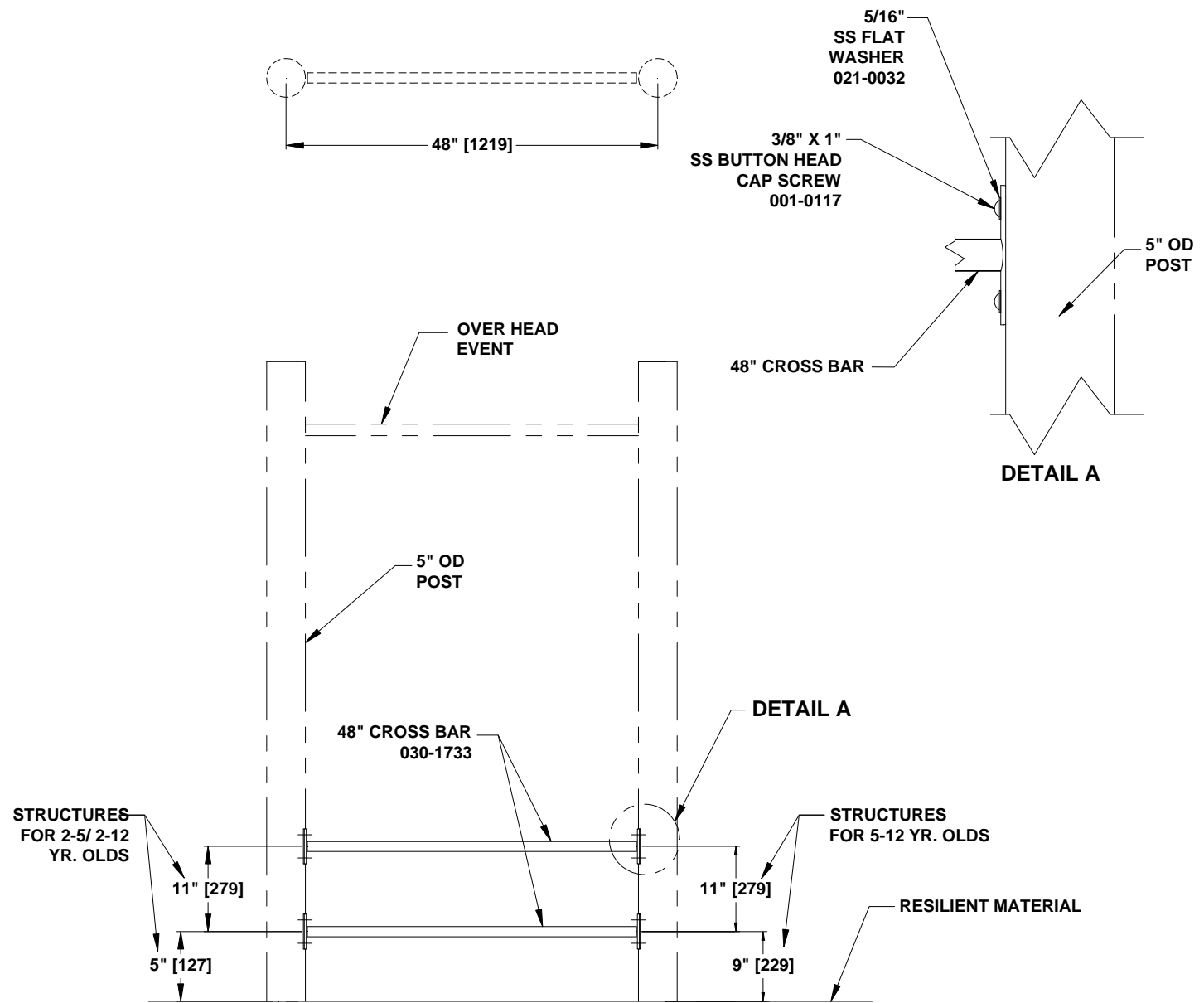
**NOTE:** Do not tighten hardware until instructed to do so.

1. Attach 24" ACCESSIBLE STAIRS to upper platform using hardware specified in DETAIL A. **NOTE: Make sure the stairs are centered between the posts.**
2. Attach stairs to lower platform using hardware specified in DETAIL B. **NOTE: Make sure the stairs are centered between the posts.**
3. Attach CASTING, STRAIGHT BRACKET to posts using hardware specified in DETAIL C.
4. Sleeve TOP STAIR BARRIER and BOTTOM STAIR TRANSITION BARRIER into the castings shown in DETAIL C. Attach the stair barriers to the platforms using hardware specified in DETAIL D.
5. Attach EVOLUTION 24" TRANSITION STAIR BARRIER to the top and bottom barrier using hardware specified in DETAIL E.
6. Attach PANEL, EVOLUTION TRANSITION STAIR to evolution barrier using hardware specified in DETAIL F. Panels should attach on the side away from the stairs.
7. Tighten all hardware.
8. Drill 1/4" diameter hole through the castings and barriers, using the pilot hole in the castings. Drive in rivet, as specified in DETAIL C, until center pin is flush.





8/21/2009



# 370-0247 END RUNGS

**PARTS LIST**

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1733	48" CROSS BAR	2
036-0258	HARDWARE PACKAGE	4

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

**SPECIFICATIONS**

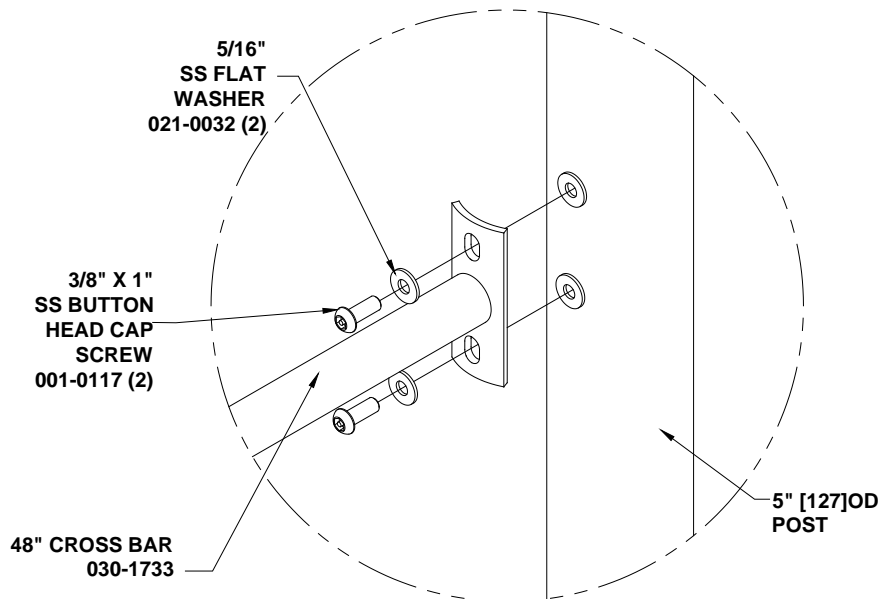
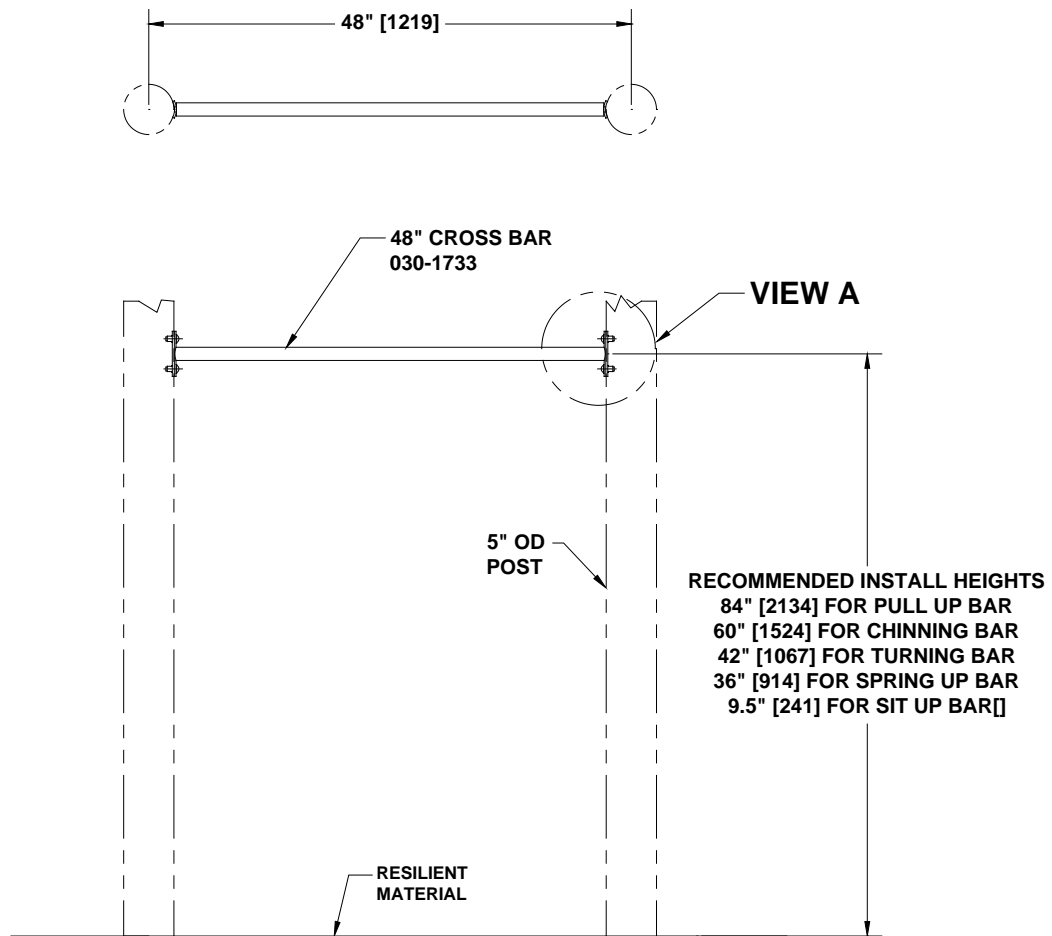
48" CROSS BAR : One piece all welded construction consisting of 1.315" OD, 14 GA galvanized steel tubing and 7 GA stainless steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 10 LBS.**

**INSTALLATION INSTRUCTIONS**

1. Attach 48" CROSS BAR to 5" O.D. post using 3/8" x 1" SS button head cap screw and 5/16"SS flat washers. Tighten all bolts.
2. Install resilient surfacing material.



**VIEW A  
(2 PLACES)**

## **370-0491 48" CROSS BAR**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1733	48" CROSS BAR	1
036-0258	HARDWARE PACKAGE	2

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

48" CROSS BAR : One piece all welded construction consisting of 1.315" OD, 14 GA galvanized steel tubing and 7 GA stainless steel plate. Finished with a baked on powder coating.

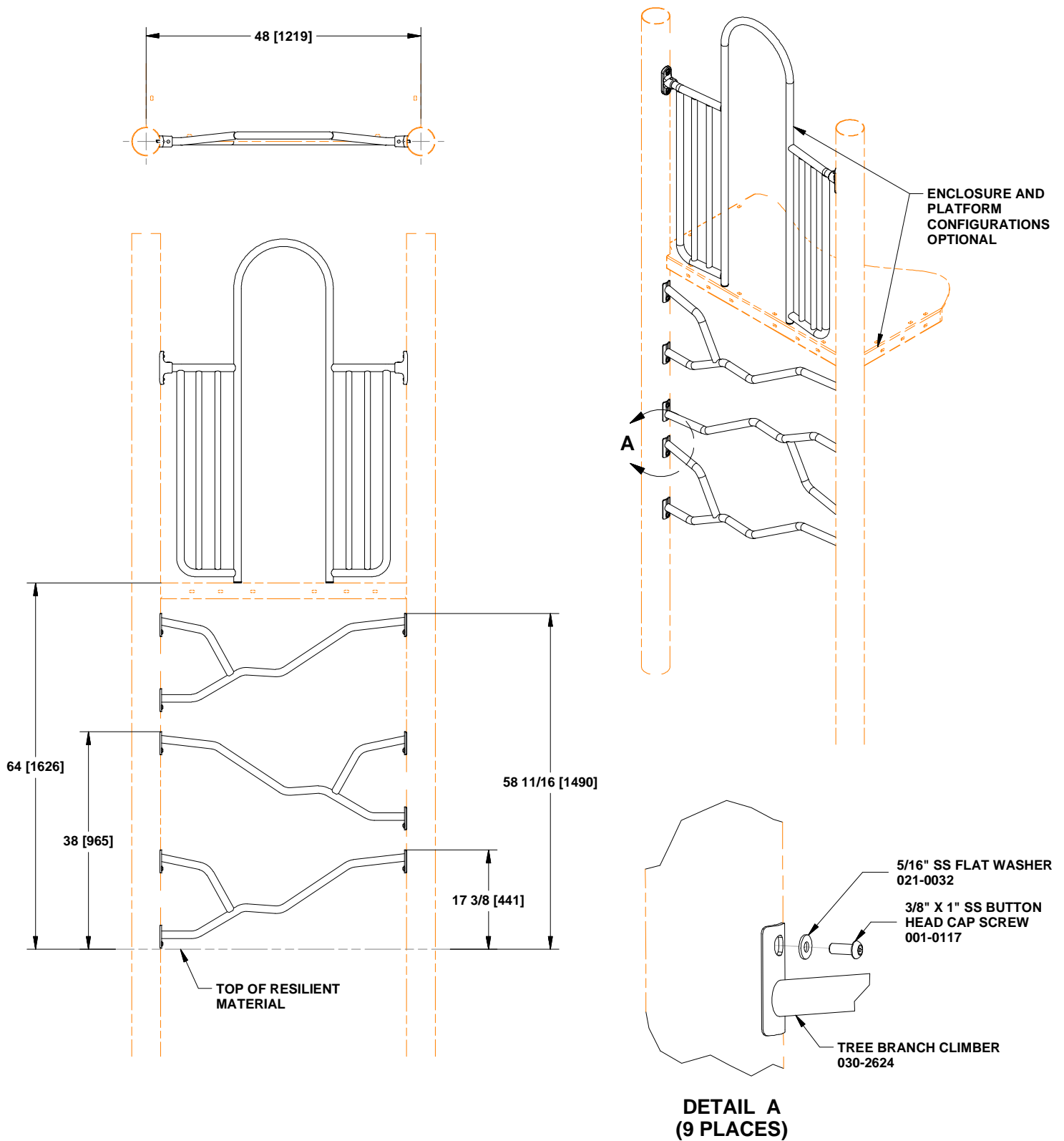
HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 5 LBS.**

## INSTALLATION INSTRUCTIONS

1. Attach CROSS BAR to 5" OD posts using 3/8" x 1" button head cap screws and 5/16" washers. See View A.
2. TIGHTEN SCREWS.
3. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**





## 370-0864 TREE BRANCH CLIMBER 64"

## PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2624	TREE BRANCH CLIMBER	3
036-0040	HARDWARE PACKAGE	3

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

**TREE BRANCH CLIMBER:** One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 7 GA stainless steel sheet. Finished with a baked on powder coating.

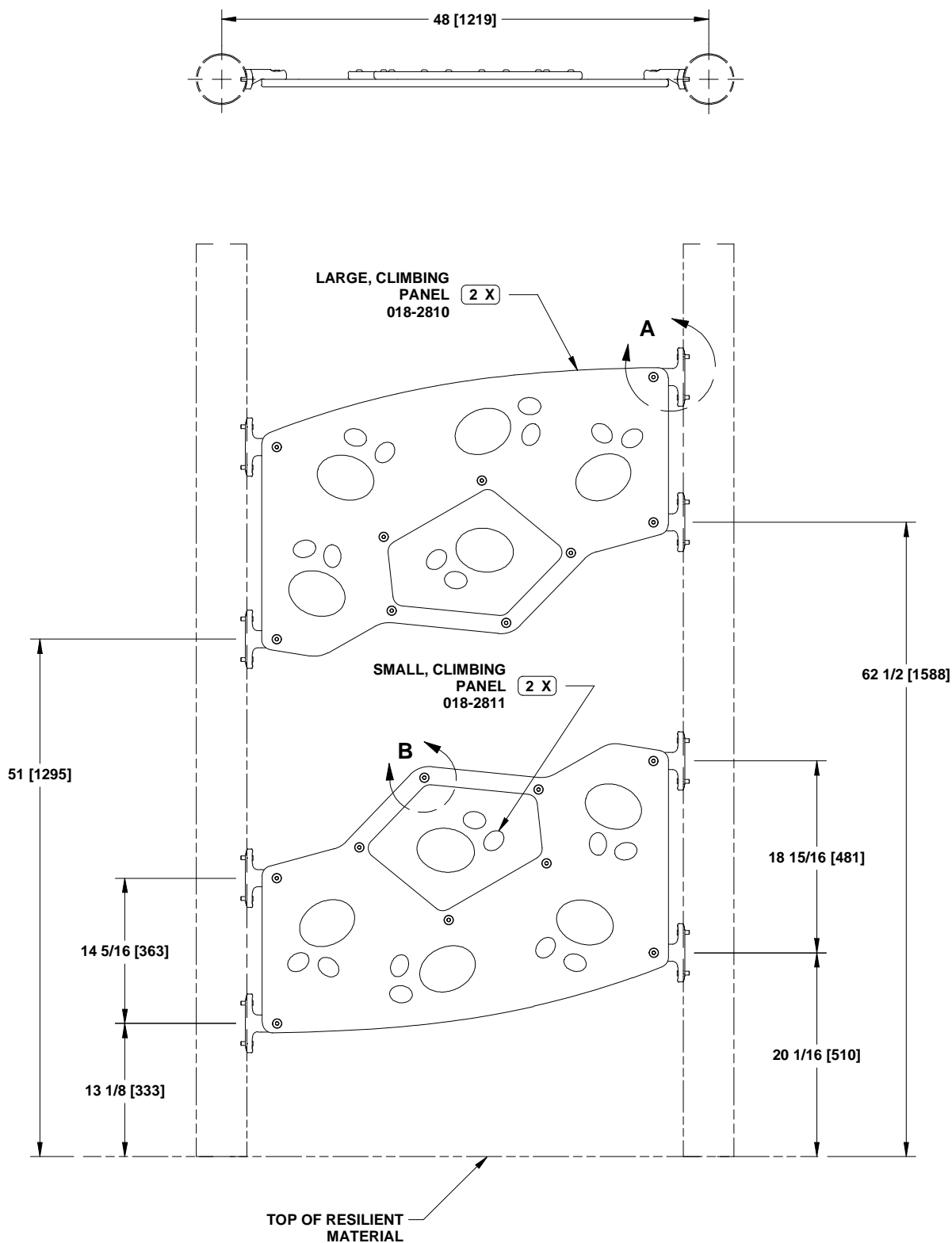
**HARDWARE PACKAGE:** Stainless Steel.

**SHIPPING WEIGHT: 25 LBS.**

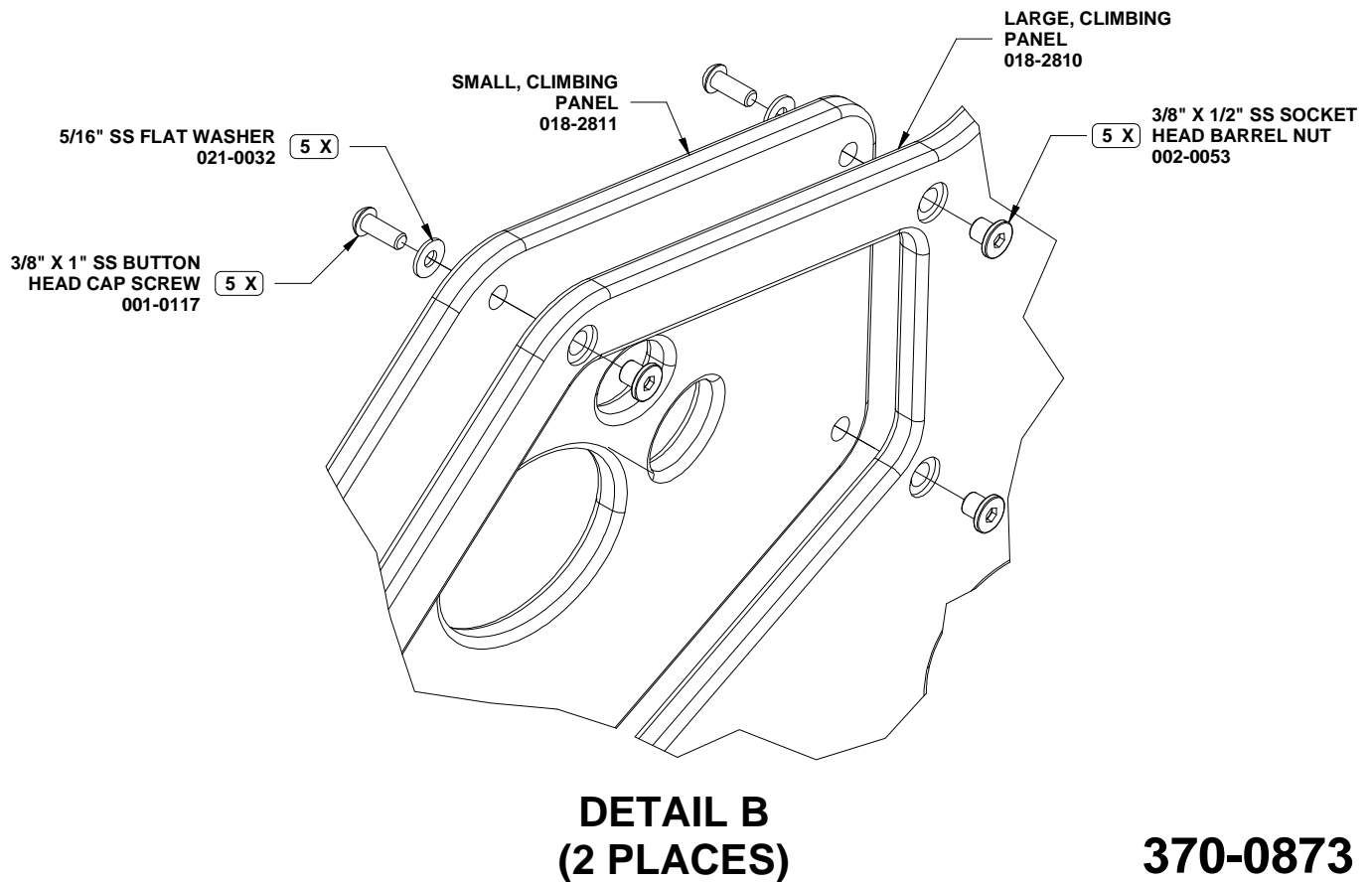
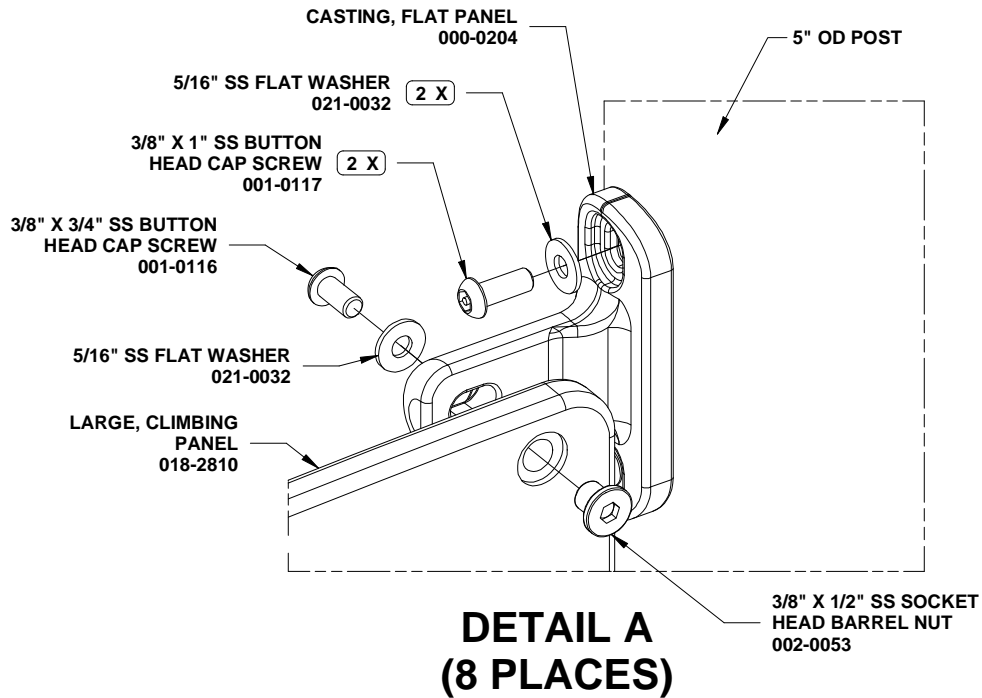
## INSTALLATION INSTRUCTIONS

**NOTE:** Do not tighten hardware until instructed to do so.

1. Locate correct post to assemble climber to, from site plan.
2. Attach climber to post using hardware specified in DETAIL A. Repeat for remaining climbers.
3. Tighten all hardware.
4. Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



## 370-0873 CLIMB CROSS



**370-0873  
CLIMB CROSS**

## PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	8
018-2810	LARGE, CLIMBING PANEL	2
018-2811	SMALL, CLIMBING PANEL	2
036-1636	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked-on powder coating.

LARGE, CLIMBING PANEL; SMALL, CLIMBING PANEL: 3/4" Extruded HDPE.

HARDWARE PACKAGES: Stainless steel.

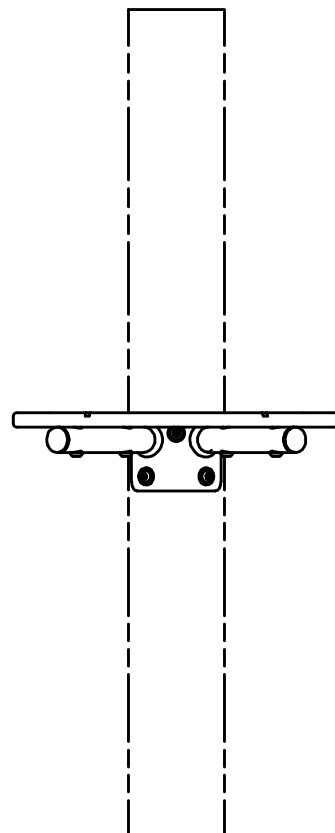
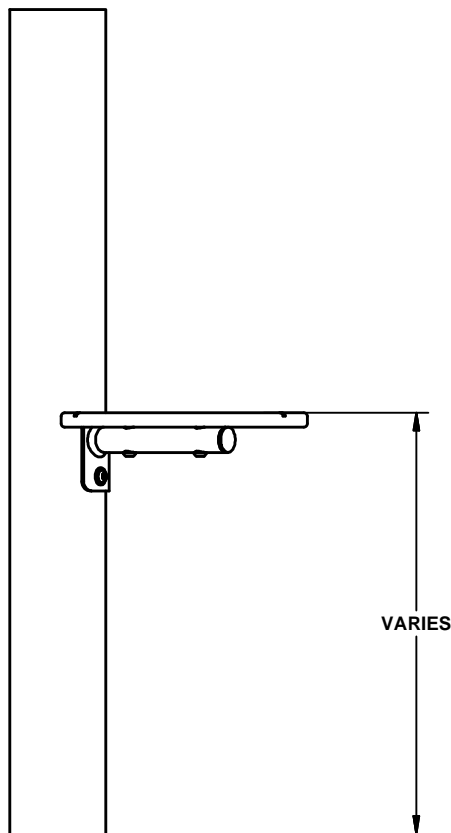
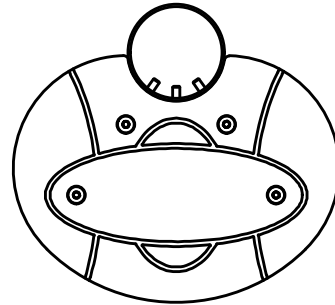
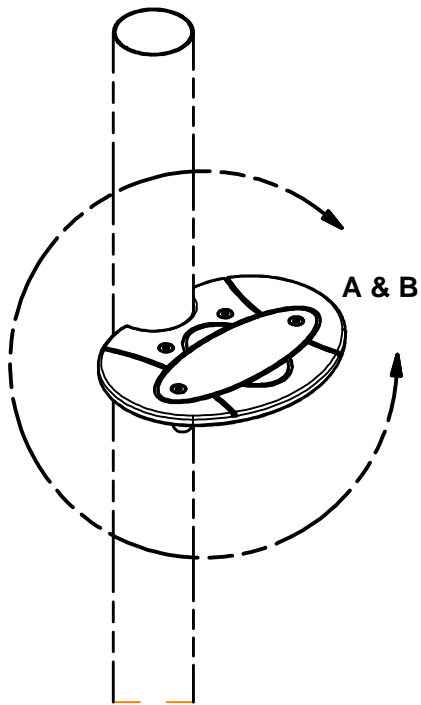
**SHIPPING WEIGHT: 67 LBS.**

## INSTALLATION INSTRUCTIONS

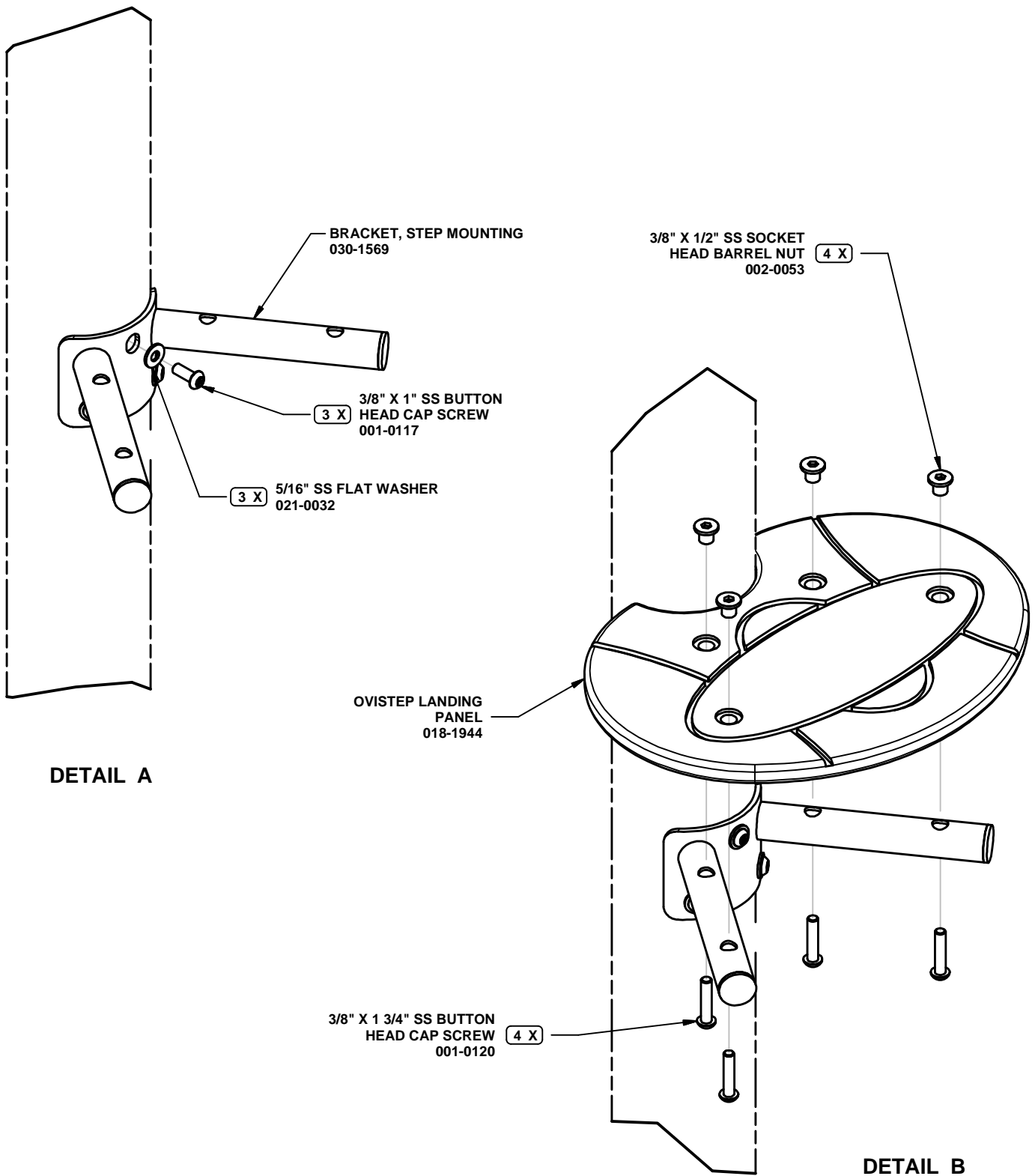
**NOTE: Do not tighten hardware until instructed to do so.**

1. Attach all CASTING, FLAT PANEL to posts using hardware shown in DETAIL A.
2. Attach LARGE, CLIMBING PANELS to CASTING, FLAT PANEL brackets, shown in DETAIL A.
3. Attach SMALL, CLIMBING PANELS to LARGE, CLIMBING PANELS using hardware shown in DETAIL B.
4. Tighten all hardware.
5. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**





## 370-1608 OVISTEP LAUNCH PAD



## 370-1608 OVISTEP LAUNCH PAD



## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-1944	OVISTEP LANDING PANEL	1
030-1569	BRACKET, STEP MOUNTING	1
036-1305	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

OVISTEP LANDING PANEL: 3/4" co-extruded HDPE.

BRACKET, STEP MOUNTING: One piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

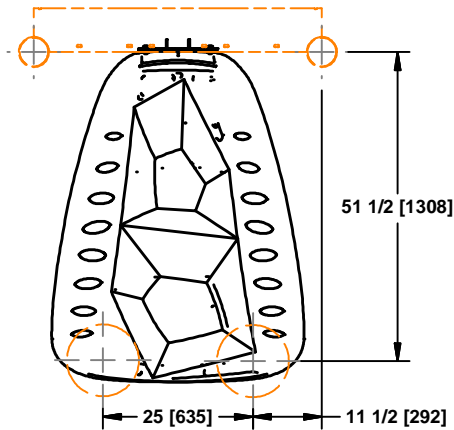
HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 9.55 LBS.**

## INSTALLATION INSTRUCTIONS

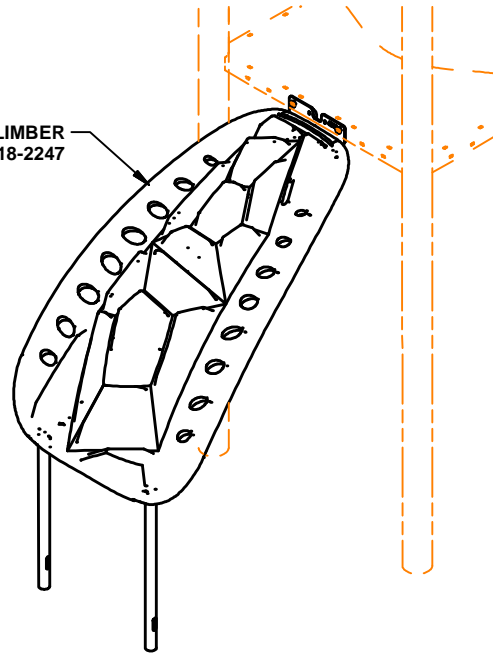
1. Attach STEP MOUNTING BRACKET to post using hardware specified in DETAIL A.
2. Attach OVISTEP LANDING PANEL to Step Mounting Bracket using hardware specified in DETAIL B.
3. Plumb and level component. Tighten all hardware.
4. **INSTALL RESILIENT SURFACING MATERIAL IN ACCORDANCE TO INSTALLATION GUIDELINES.**



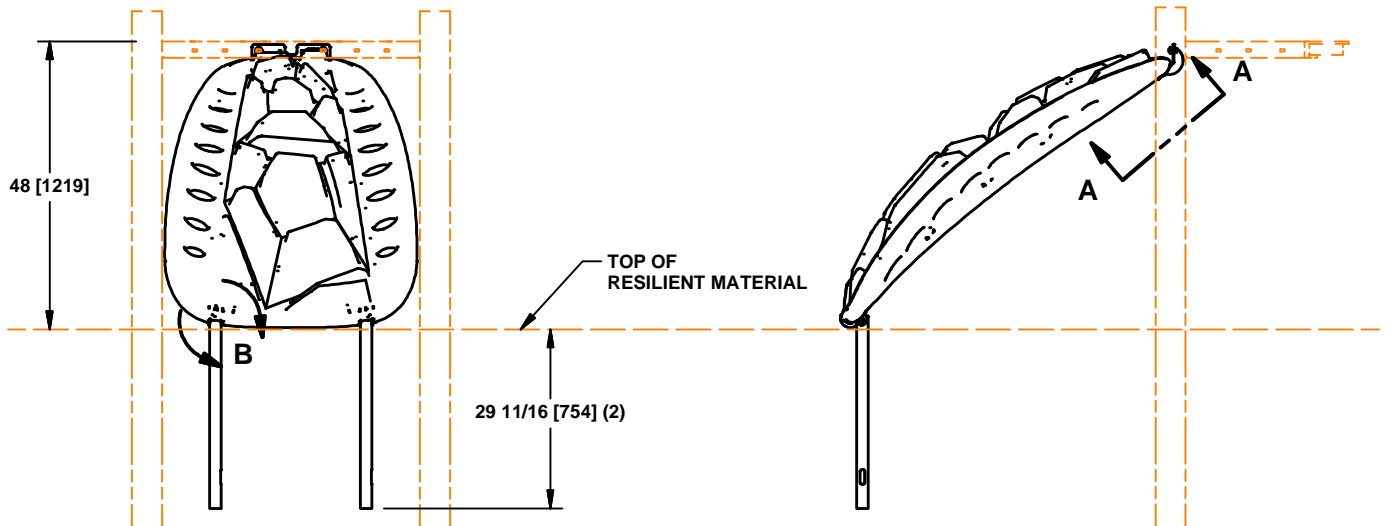


NOTE: SEE CONCRETE FOOTING DRAWING FOR 1.90" OD TUBING, WHICH IS LOCATED IN THE PREFACE OF YOUR INSTALLATION MANUAL.

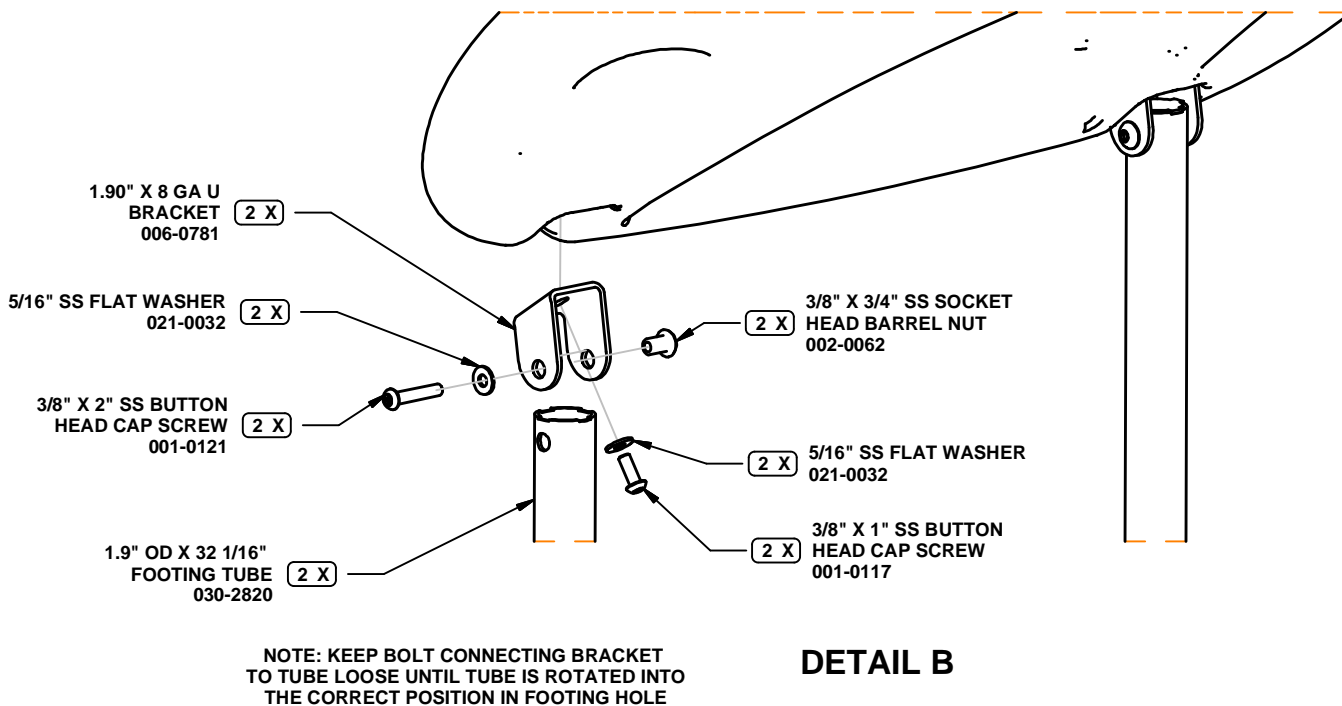
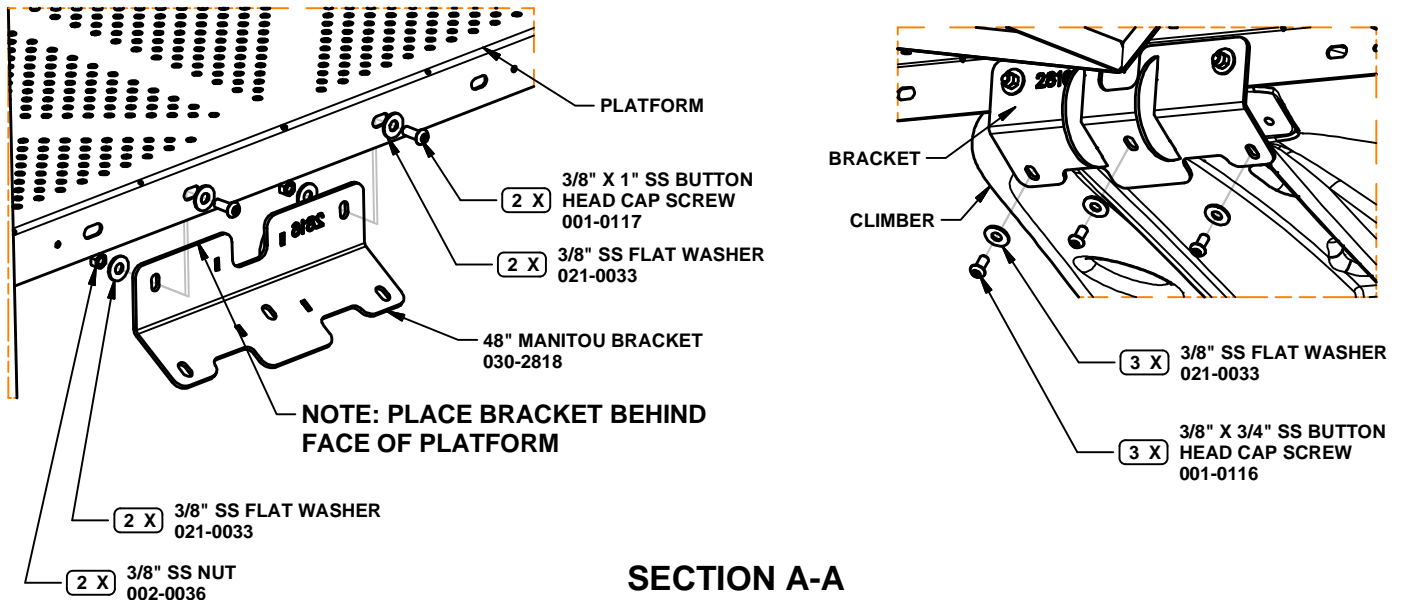
MANITOU CLIMBER  
018-2247



NOTE: IDENTIFY AND INSTALL  
CORRECT CLIMBER ENCLOSURE



## 370-1645 MANITOU CLIMBER 48"



## 370-1645 MANITOU CLIMBER 48"

## PARTS LIST

PART NO.	DESCRIPTION	QTY
006-0781	1.90" X 8 GA U BRACKET	2
018-2247	MANITOU CLIMBER	1
030-2818	48" MANITOU BRACKET	1
030-2820	1.9" OD X 32 1/16" FOOTING TUBE	2
036-2060	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

**1.90" X 8 GA U BRACKET:** Formed 8 GA galvanized sheet finished with a baked-on powder coat.

**MANITOU CLIMBER:** 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

**48" MANITOU BRACKET:** One piece welded construction consisting of formed 8 GA galvanized sheet steel finished with a baked-on powder coat.

**1.9" OD X 32 1/16" FOOTING TUBE:** One piece welded construction consisting of 1.90" OD X 11 GA galvanized steel tubing and a 12 GA galvanized steel cap finished with a baked-on powder coat.

**HARDWARE PACKAGE:** Stainless Steel

**SHIPPING WEIGHT: 87 LBS.**

## INSTALLATION INSTRUCTIONS

**Note:** Do not tighten hardware until instructed to do so

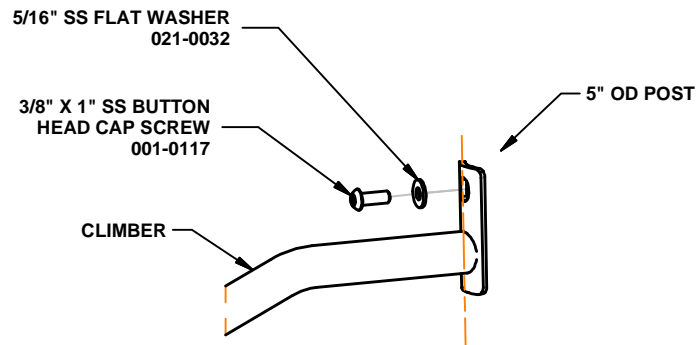
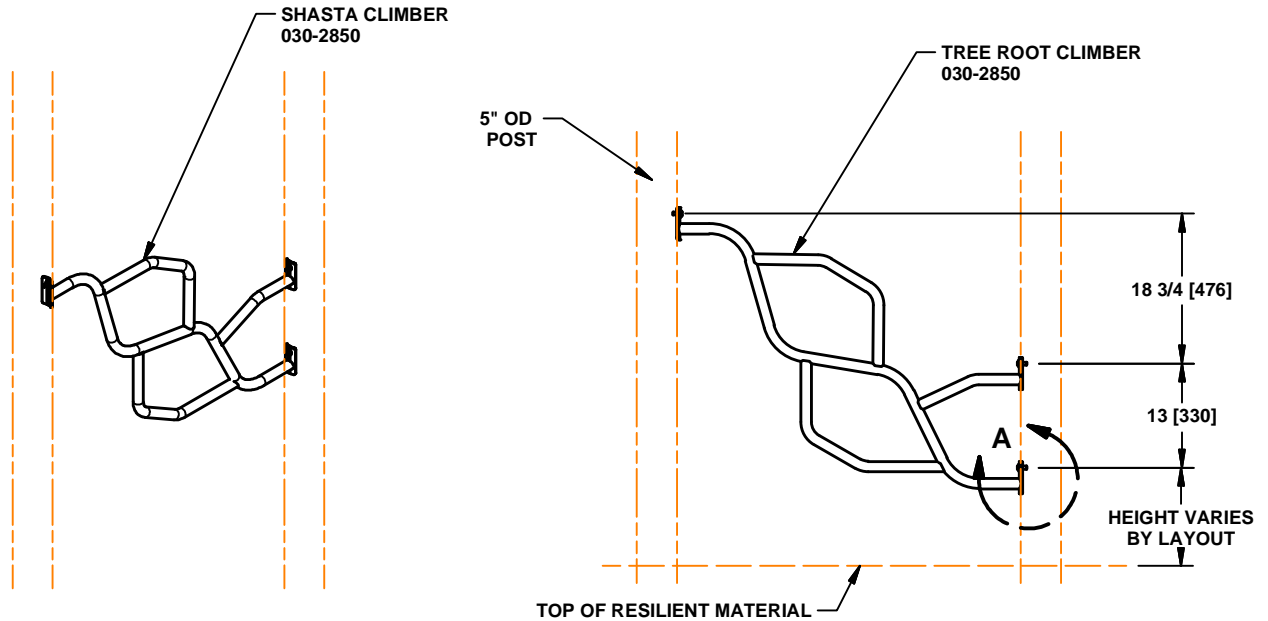
**Note:** PVC may need to be removed from mounting slots of platforms before installation.

1. Locate and dig footing holes per dimensions specified in TOP VIEW. Refer to typical concrete footer guidelines located in the preface of your installation manual.
2. Attach 48" MANITOU BRACKET to back of platform using hardware specified in SECTION A-A.
3. Attach 1.90" X 8 GA U BRACKETS to MANITOU CLIMBER using hardware specified in DETAIL B. Note: This may be a tight fit into the recessed pocket, tighten the screw to ensure the bracket is fully seated.
4. Tighten Hardware
5. Attach 1.9" OD X 32 1/16" FOOTING TUBES to 1.90" X 8 GA U BRACKETS using hardware specified in DETAL B.

**NOTE: Leave bolts from step 5 loose until climber is attached and footing tubes are placed in footer holes.**

6. Attach climber assembly to 48" MANITOU BRACKET using hardware specified in SECTION A-A.
7. Block up, level and plumb assembly.
8. Tighten all hardware
9. Pour concrete and allow concrete set for 2-3 days.
10. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.





**DETAIL A  
(3 PLACES)**

## 370-1669 SHASTA CLIMBER, POST TO POST

## PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2850	SHASTA CLIMBER	1
036-0040	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

SHASTA CLIMBER: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing, and 7 GA stainless steel sheet. Finished with a baked on powder coating.

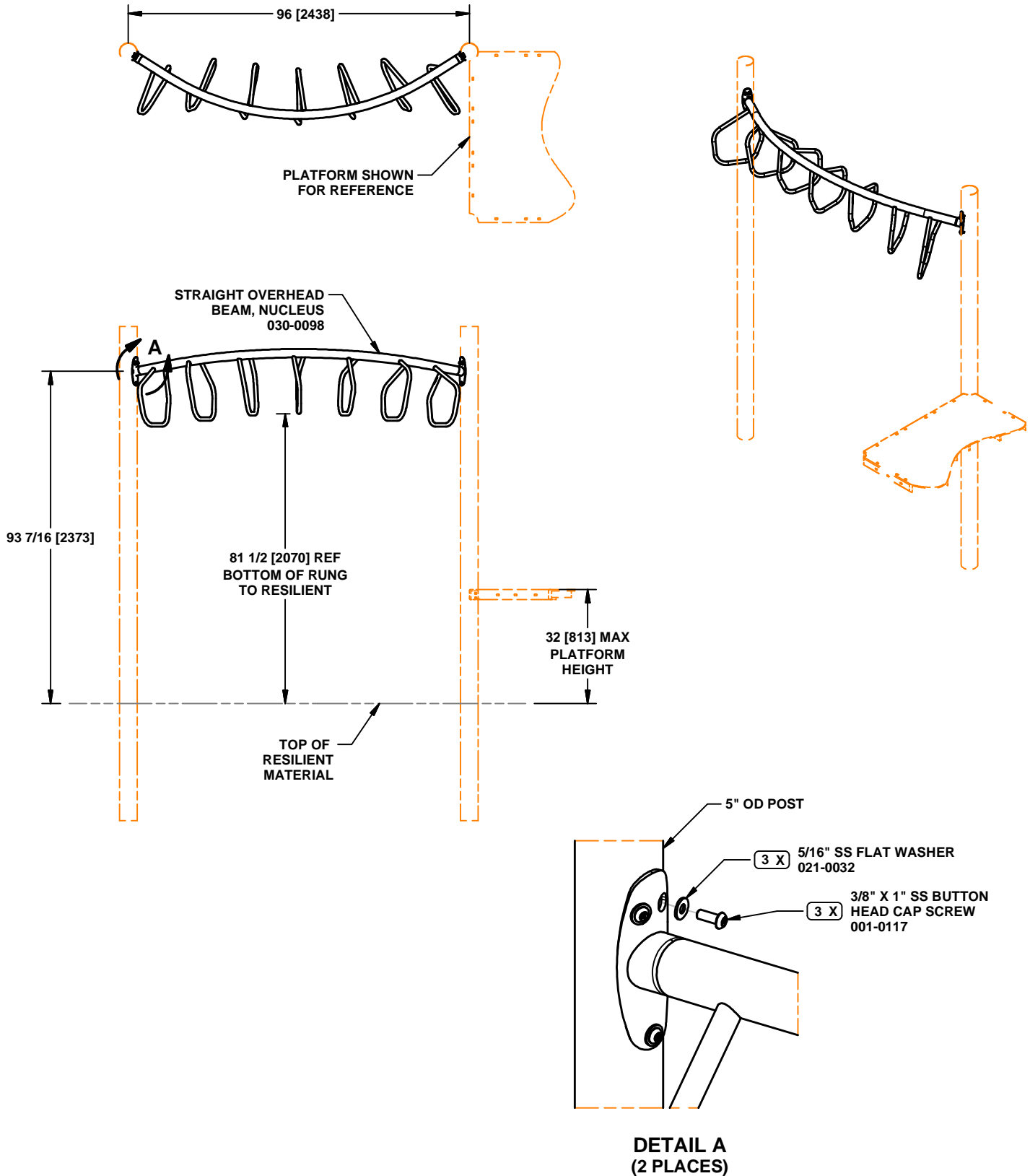
HARDWARE PACKAGE: Stainless steel

**SHIPPING WEIGHT: 16 LBS.**

## INSTALLATION INSTRUCTIONS

1. Locate correct posts to install SHASTA climber to and attach climbers using hardware specified in DETAIL A.
2. Tighten all hardware
3. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**





## 370-1675 STRAIGHT OVERHEAD, NUCLEUS

## PARTS LIST

PART NO.	DESCRIPTION	QTY
030-0098	STRAIGHT OVERHEAD BEAM, NUCLEUS	1
036-0258	HARDWARE PACKAGE	3

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

**STRAIGHT OVERHEAD BEAM, NUCLEUS:** One piece all welded construction consisting of 2 3/8" OD x 10 GA, 2 3/8" OD x 12 GA and 1.029" x 14 GA galvanized steel tubing, and 3/16" thick stainless steel. Finished with a baked on powder coating.

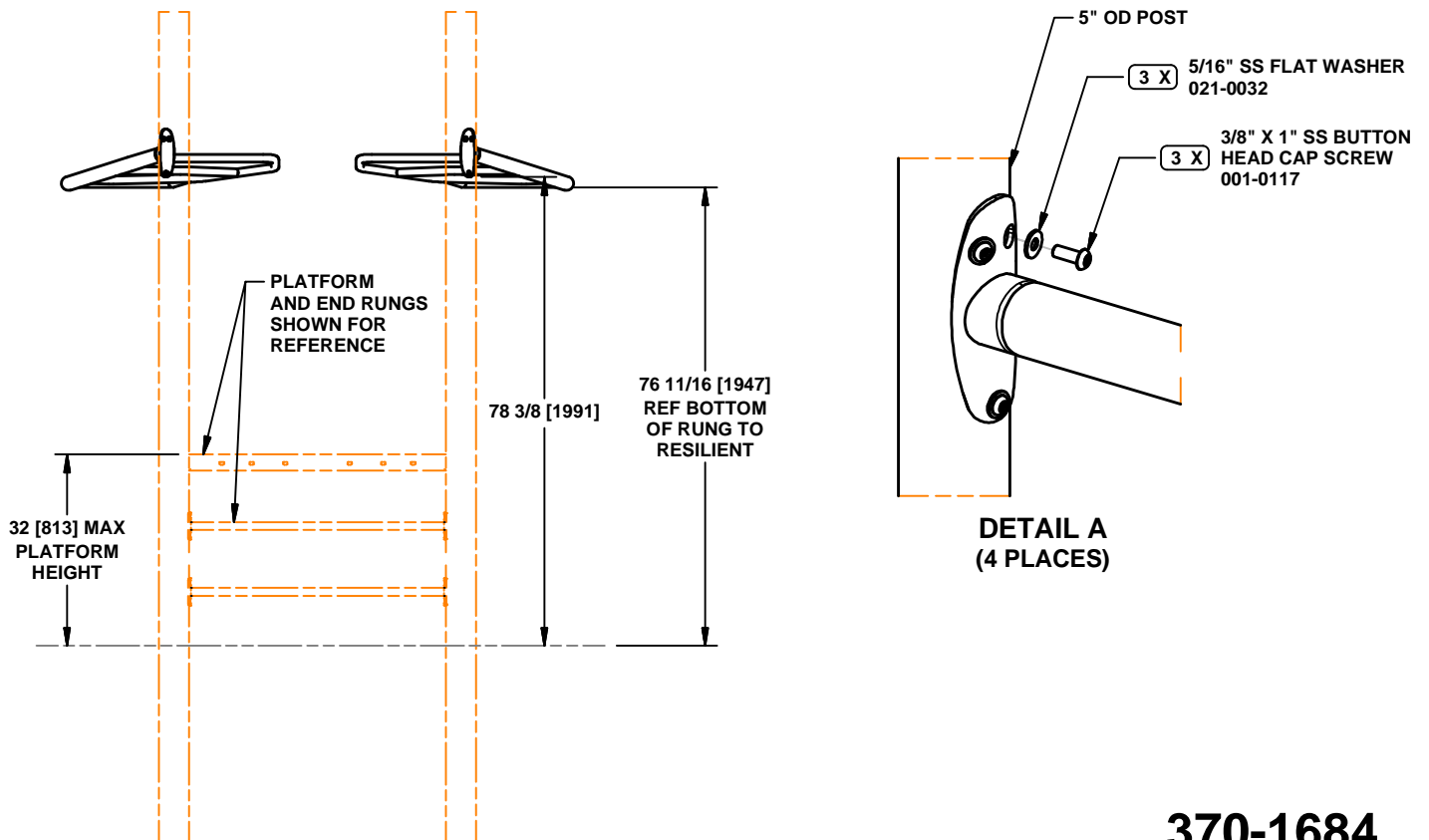
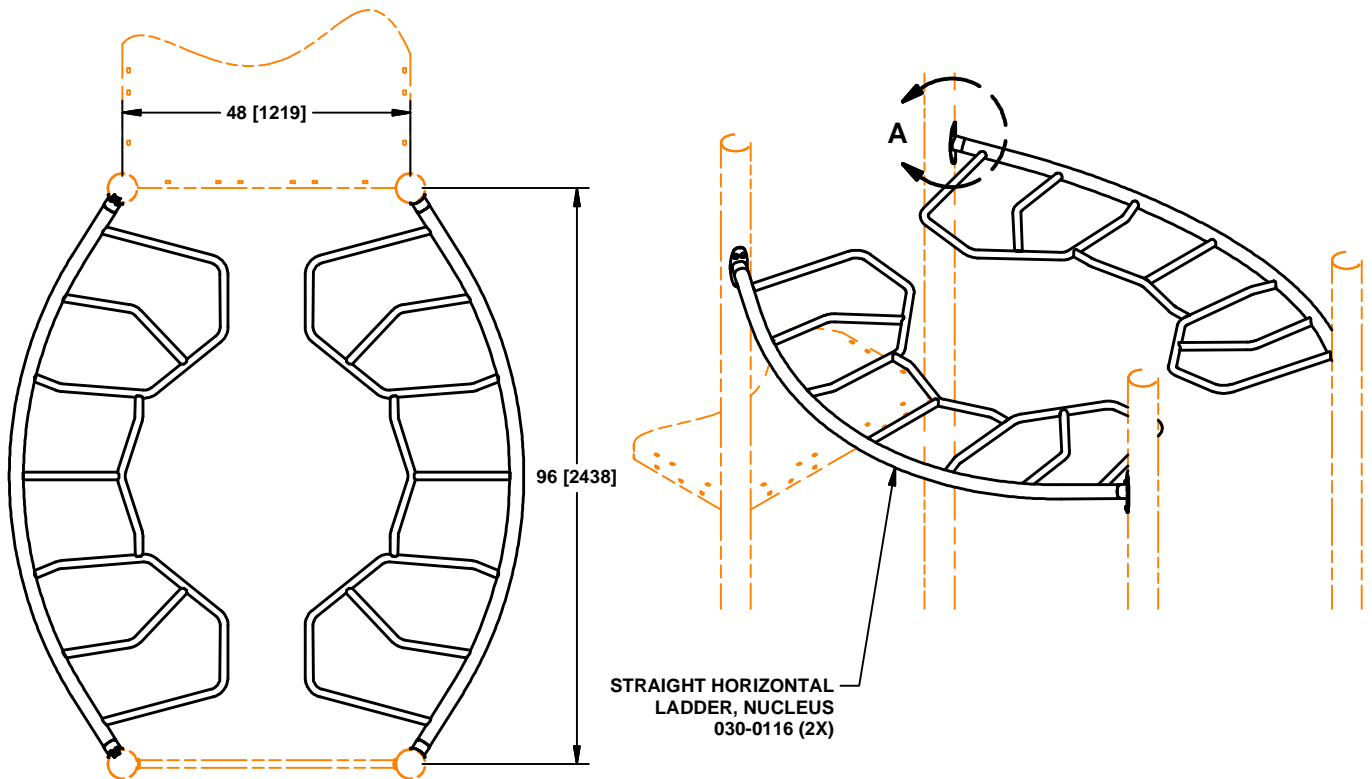
**HARDWARE PACKAGE:** Stainless Steel.

**SHIPPING WEIGHT: 53 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE: Do not tighten hardware until instructed to do so.**

1. Attach OVERHEAD to posts using hardware specified in DETAIL A. Overhead event should be orientated so that access to the rungs is easiest from the platform or launch pad.
2. Plumb posts and level component. Tighten all hardware.
3. Pour concrete and let set for 2 to 3 days.
4. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



## 370-1684 ROUND-A-BOUT, NUCLEUS

**PARTS LIST**

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>
030-0116	STRAIGHT HORIZONTAL LADDER, NUCLEUS	2
036-0040	HARDWARE PACKAGE	4

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

**SPECIFICATIONS**

**STRAIGHT HORIZONTAL LADDER, NUCLEUS:** One piece all welded construction consisting of 2 3/8" OD x 10 GA, 2 3/8" OD x 12 GA, and 1.315" OD x 12 GA galvanized steel tubing, and 3/16" thick stainless steel plate. Finished with a baked on powder coating.

**HARDWARE PACKAGE:** Stainless steel

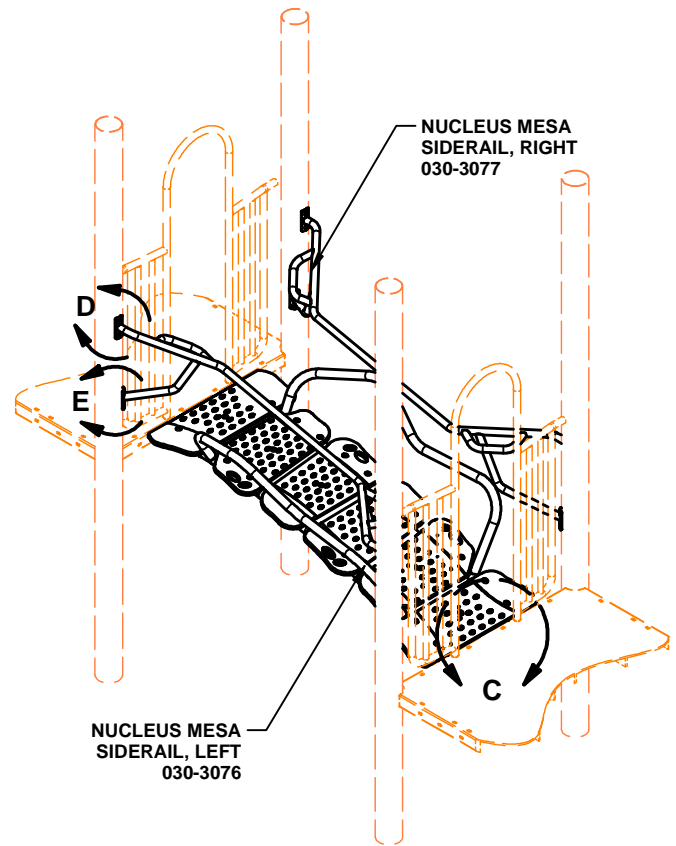
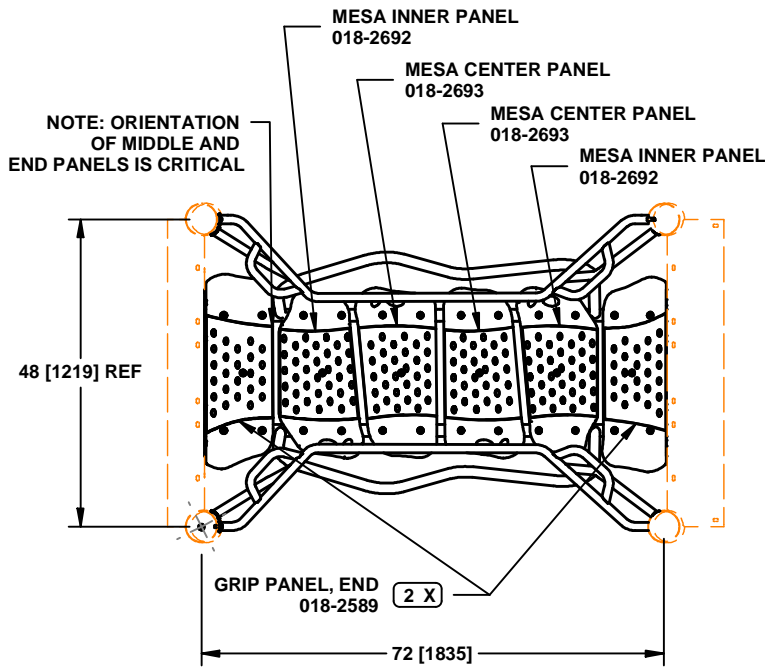
**SHIPPING WEIGHT: 114 LBS.**

**INSTALLATION INSTRUCTIONS**

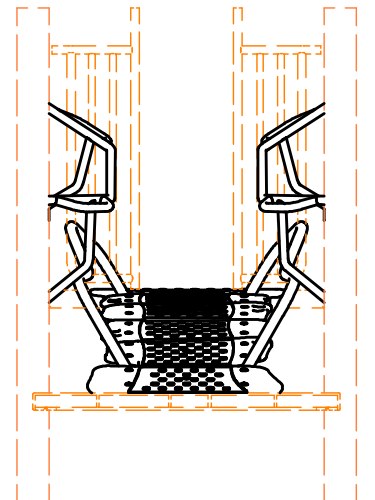
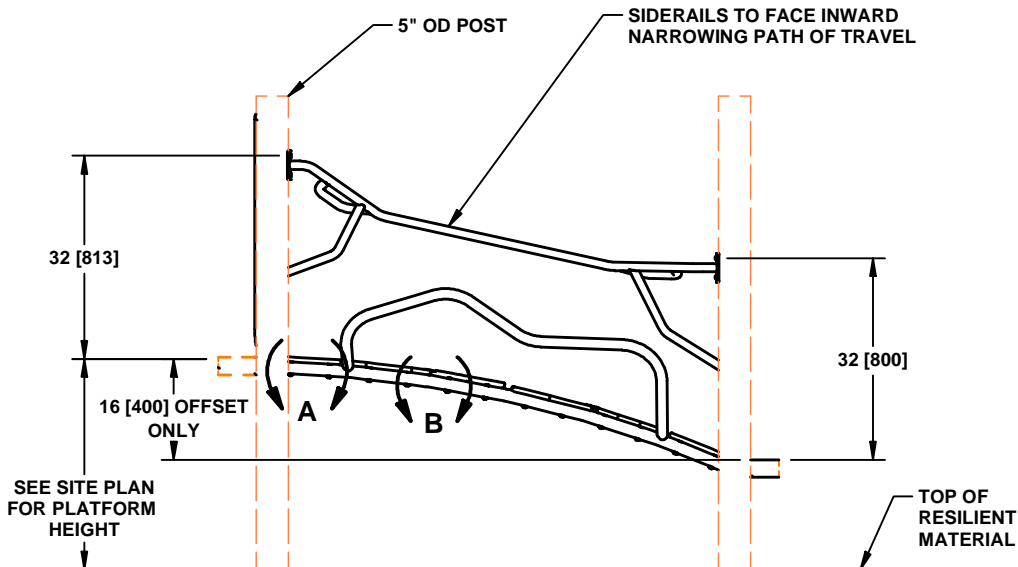
**NOTE:** Do not tighten hardware until instructed to do so.

**NOTE:** See site layout drawing for correct orientation.

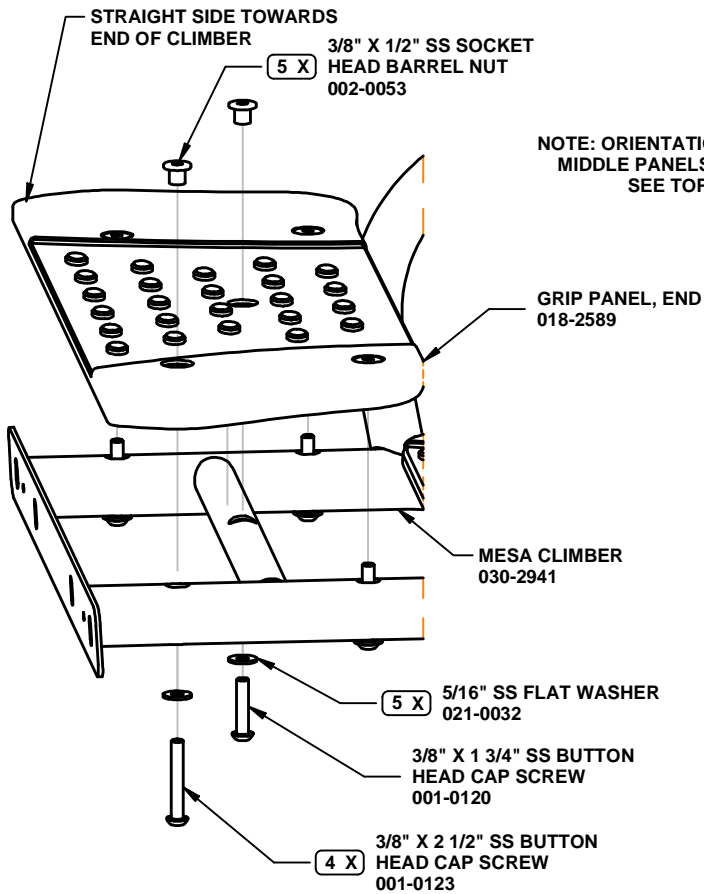
1. Attach STRAIGHT HORIZONTAL LADDER, NUCLEUS to posts using hardware specified in DETAIL A.
2. Plumb posts and level center rung. Tighten all hardware.
3. Pour concrete and let set for 2 to 3 days.
4. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



NOTE: IDENTIFY AND INSTALL CORRECT UNITARY ENCLOSURES

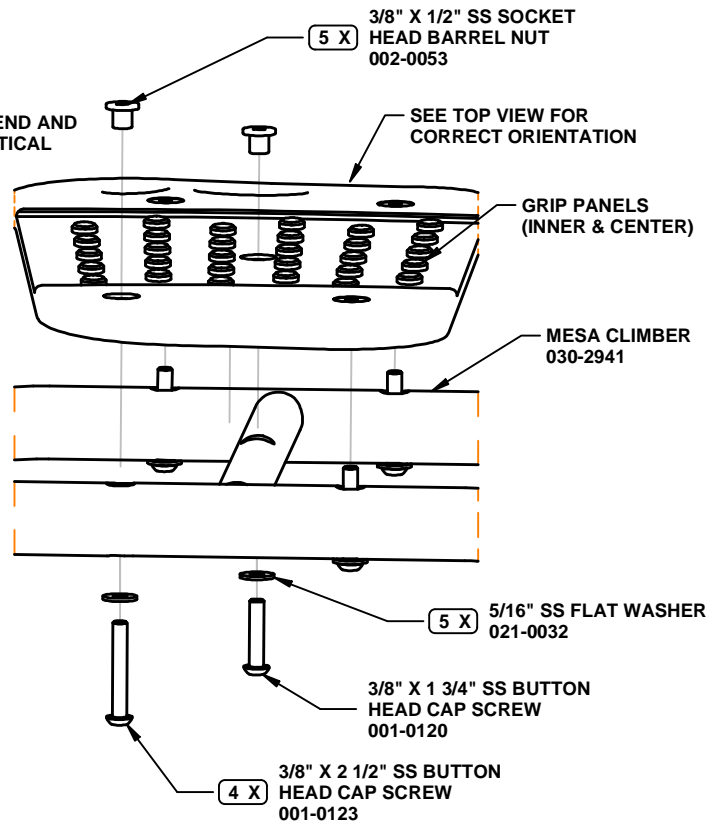


**370-1715**  
**MESA CLIMBER**

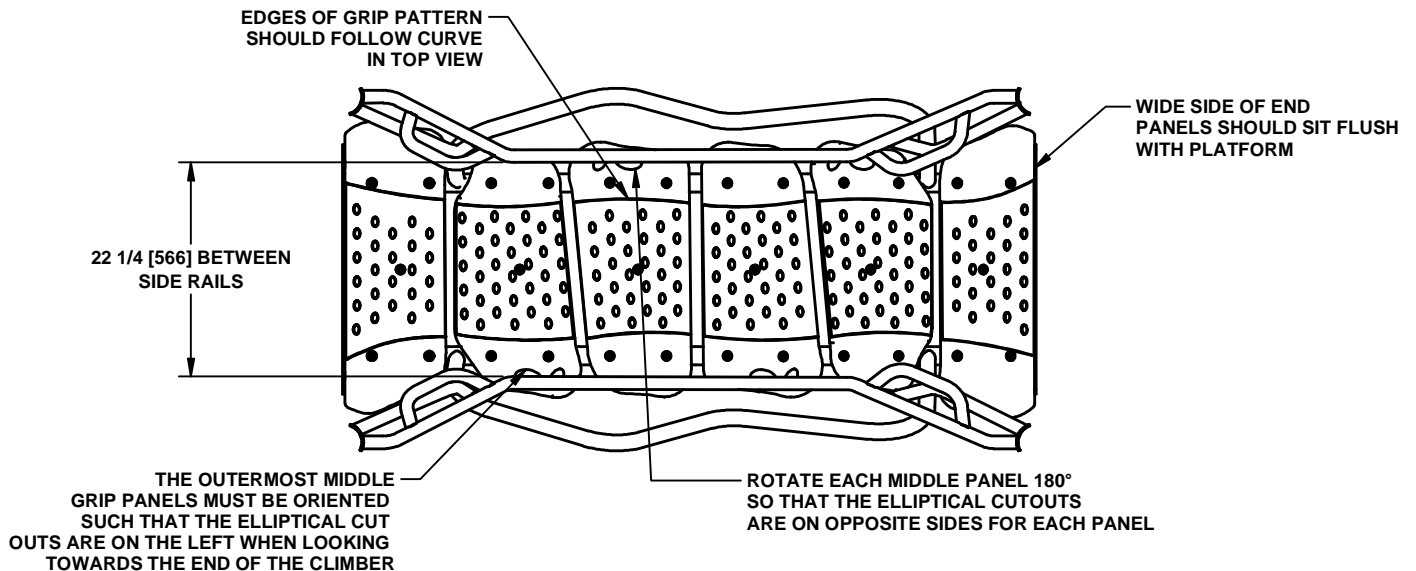


**DETAIL A  
(2 PLACES)**

NOTE: ORIENTATION OF END AND  
MIDDLE PANELS IS CRITICAL  
SEE TOP VIEW

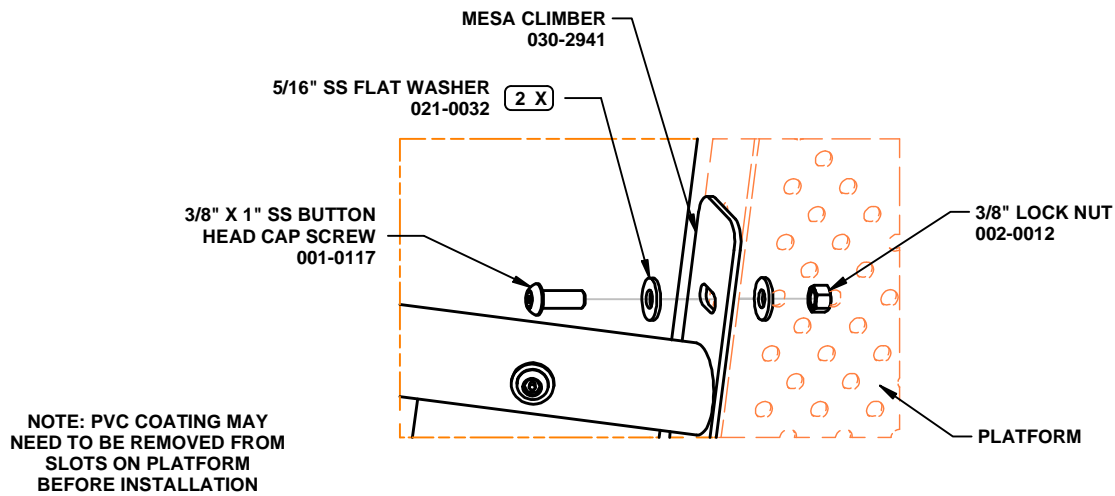


**DETAIL B  
(4 PLACES)**

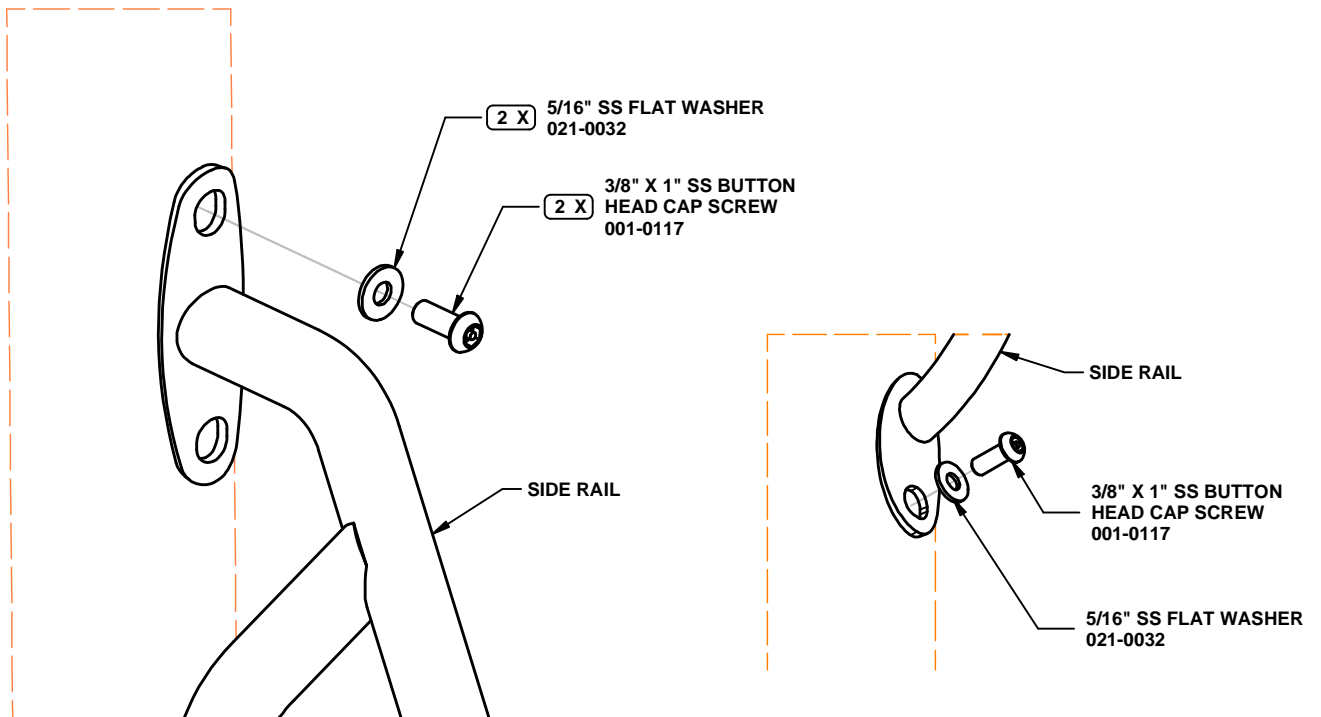


**TOP VIEW - TREAD PANELS**

**370-1715  
MESA CLIMBER**



**DETAIL C: UNDERSIDE VIEW  
(8 PLACES)**



**DETAIL D  
(4 PLACES)**

**DETAIL E  
(2 PLACES)**

**370-1715  
MESA CLIMBER**

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-2589	GRIP PANEL, END	2
018-2692	MESA PANEL, INNER	2
018-2693	MESA PANEL, CENTER	2
030-3076	NUCLEUS MESA SIDE RAIL, LEFT	1
030-3077	NUCLEUS MESA SIDE RAIL, RIGHT	1
030-2941	MESA CLIMBER	1
036-1560	HARDWARE PACKAGE	1
036-0258	HARDWARE PACKAGE	2

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

MIDDLE AND END GRIP PANELS: Co-extruded HDPE

MESA CLIMBER: One piece all welded construction consisting of 1.900" X 11 GA galvanized steel tubing and 1.660" X 12 GA galvanized steel tubing finished with a baked-on powder coating.

ROPE ASSEMBLY: 20mm steel core rope and yoke 20mm ferrule.

YOKE CONNECTION: One piece all welded construction consisting of 11 ga. steel and 7 ga. stainless steel formed plate with baked-on powder coating.

HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 143 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

**NOTE:** Do not tighten hardware until instructed to do so.

1. Attach the GRIP PANEL, END to the MESA CLIMBER with hardware specified in DETAIL A.

**NOTE:** Ensure that the wide side of the GRIP PANEL, END is on the side closest to the platforms as shown in the TOP VIEW.

2. Attach MESA PANEL INNER and MESA PANEL CENTER to the MESA CLIMBER with hardware specified in DETAIL B.

**NOTE:** Ensure that the top panels are oriented as shown in TOP VIEW.

3. Attach MESA CLIMBER, 16" OFFSET to platforms using hardware specified in DETAIL C.

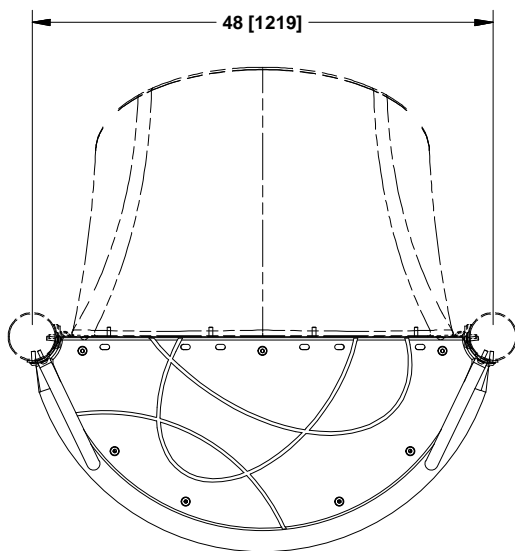
**NOTE:** Plastic grip panels should be flush with platforms, adjust if necessary.

4. Attach the SIDE RAILS to posts using hardware specified in DETAIL D and DETAIL E.

6. Tighten all hardware.

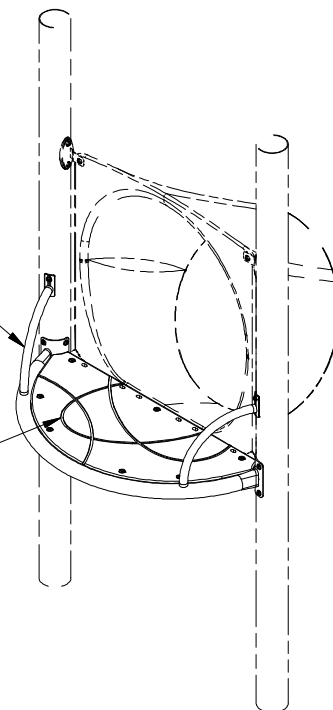
7. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



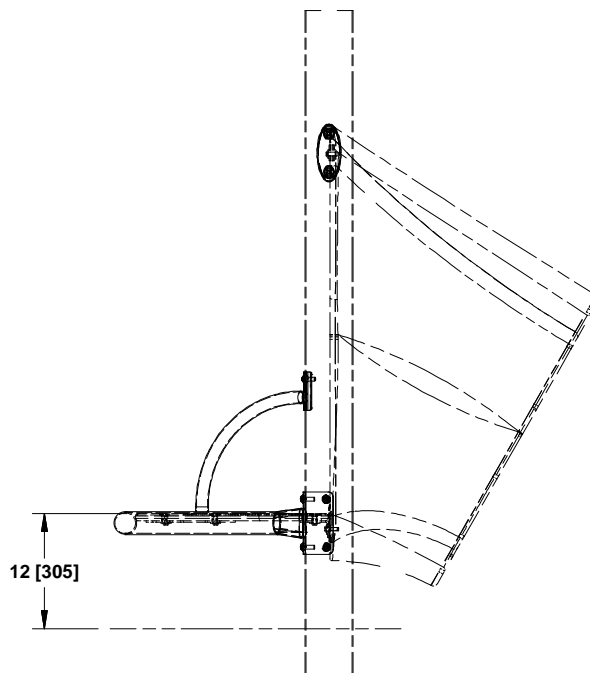
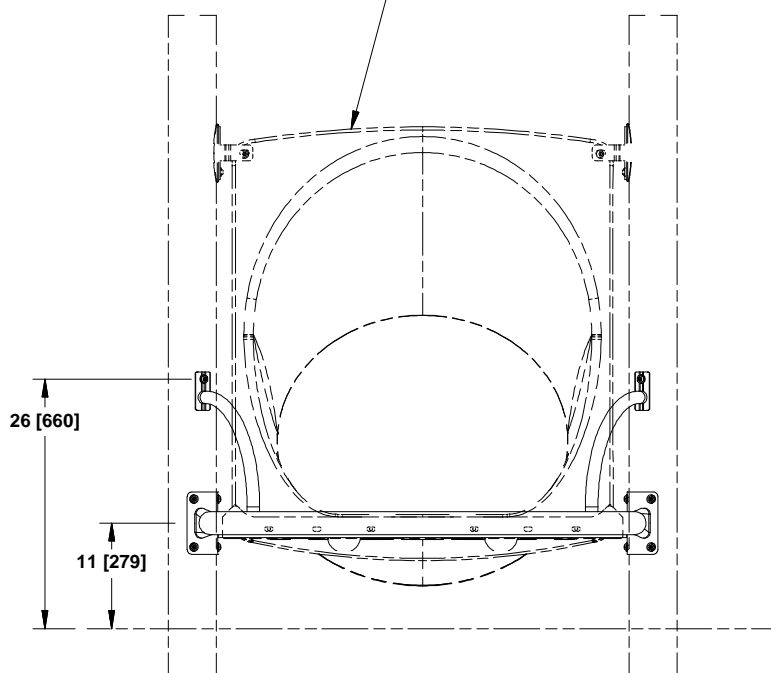


030-0060  
HILLSIDE SLIDE  
ENTRANCE PLATFORM

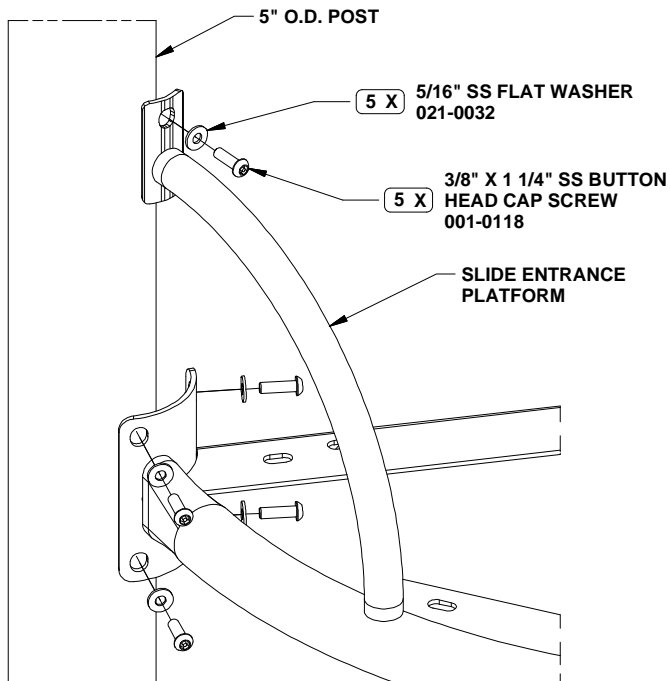
HILLSIDE SLIDE DECK  
018-0033



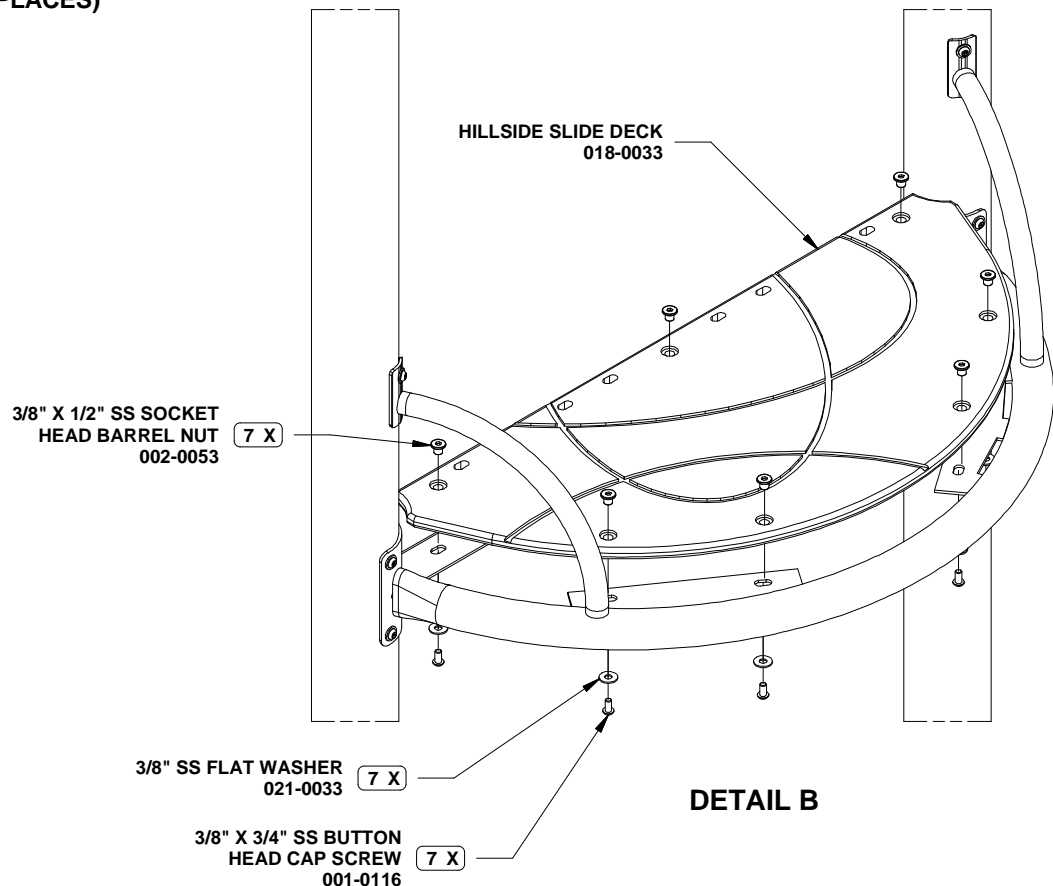
PLATFORM ATTACHMENTS WILL  
VARY BY CONFIGURATION



## 470-0075 CRESCENT PLATFORM

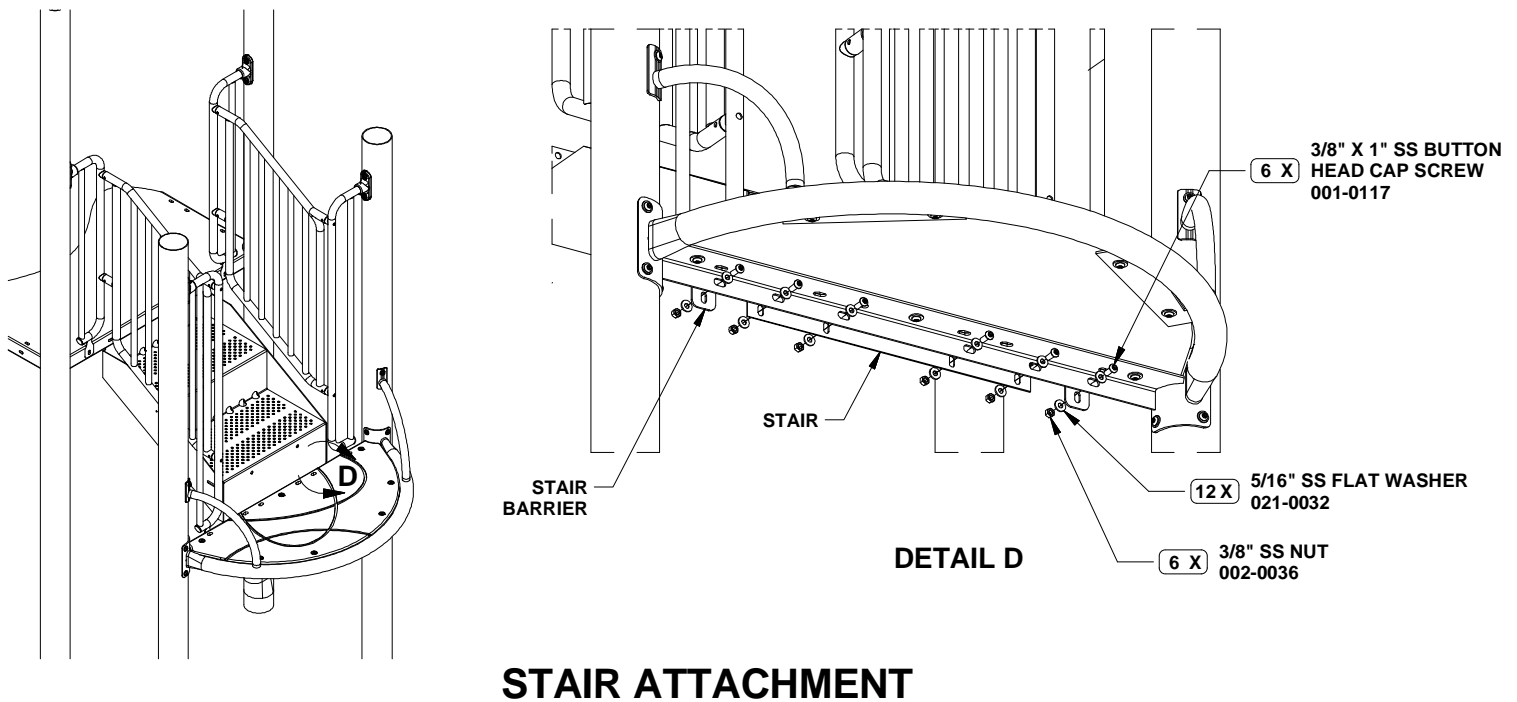
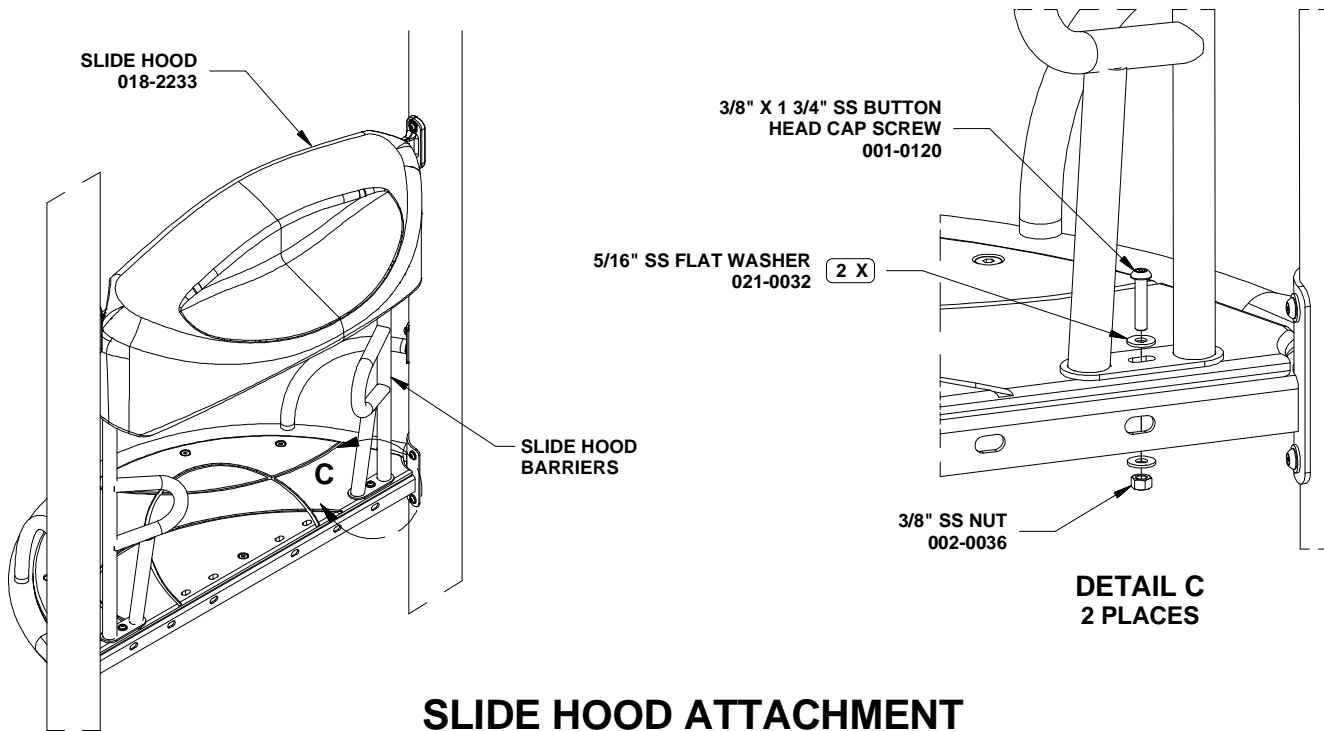


**DETAIL A**  
(2 PLACES)

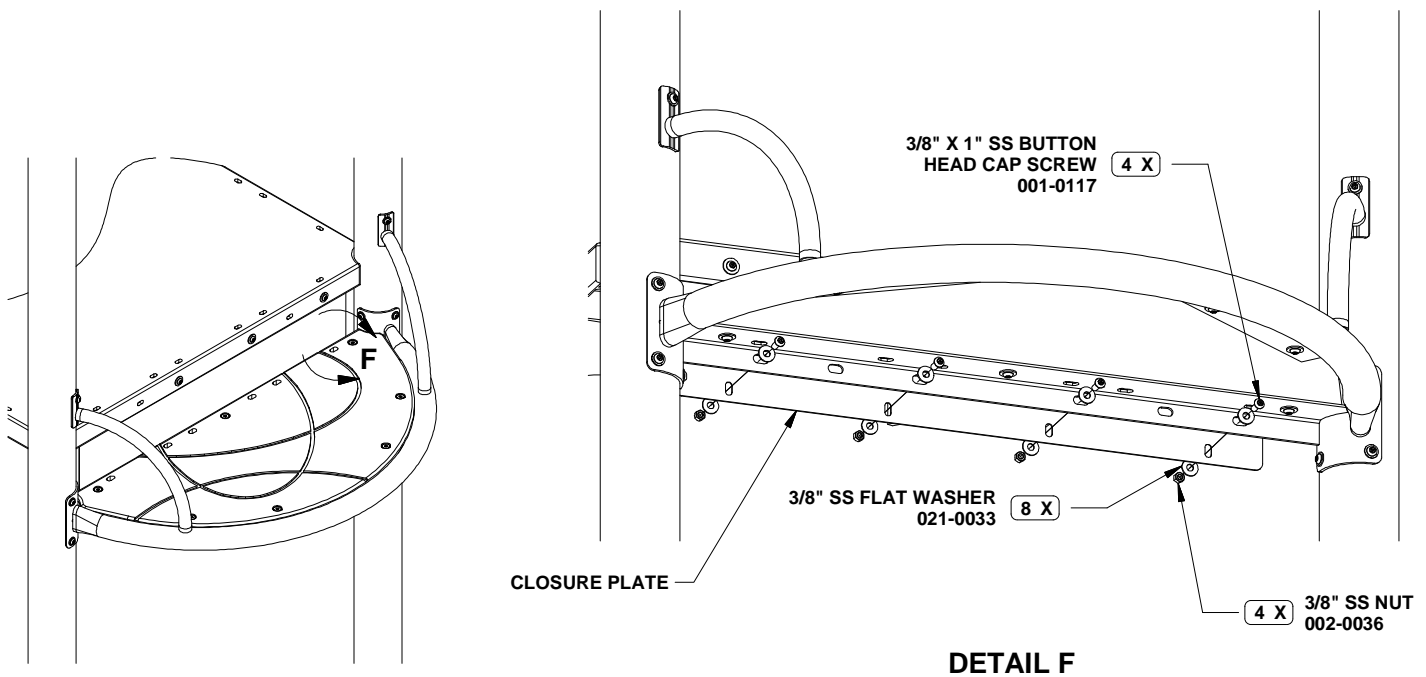
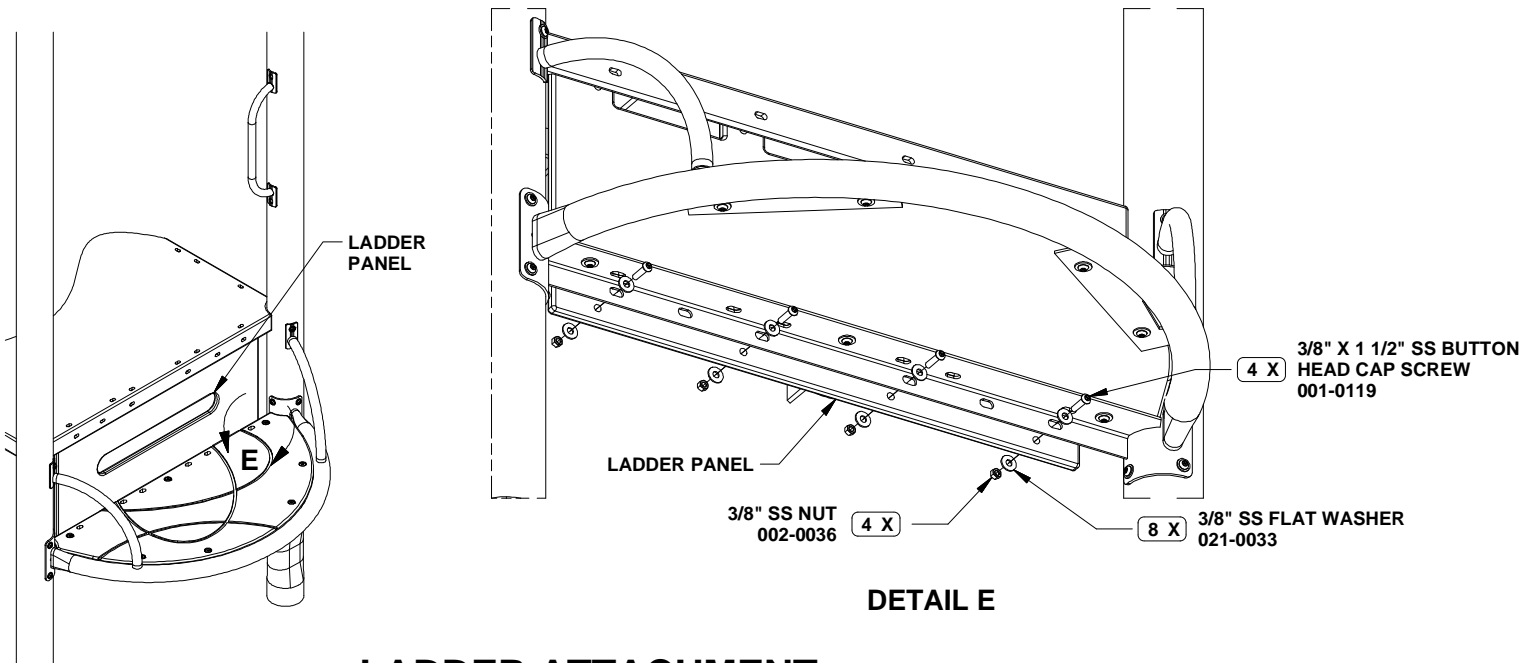


**DETAIL B**

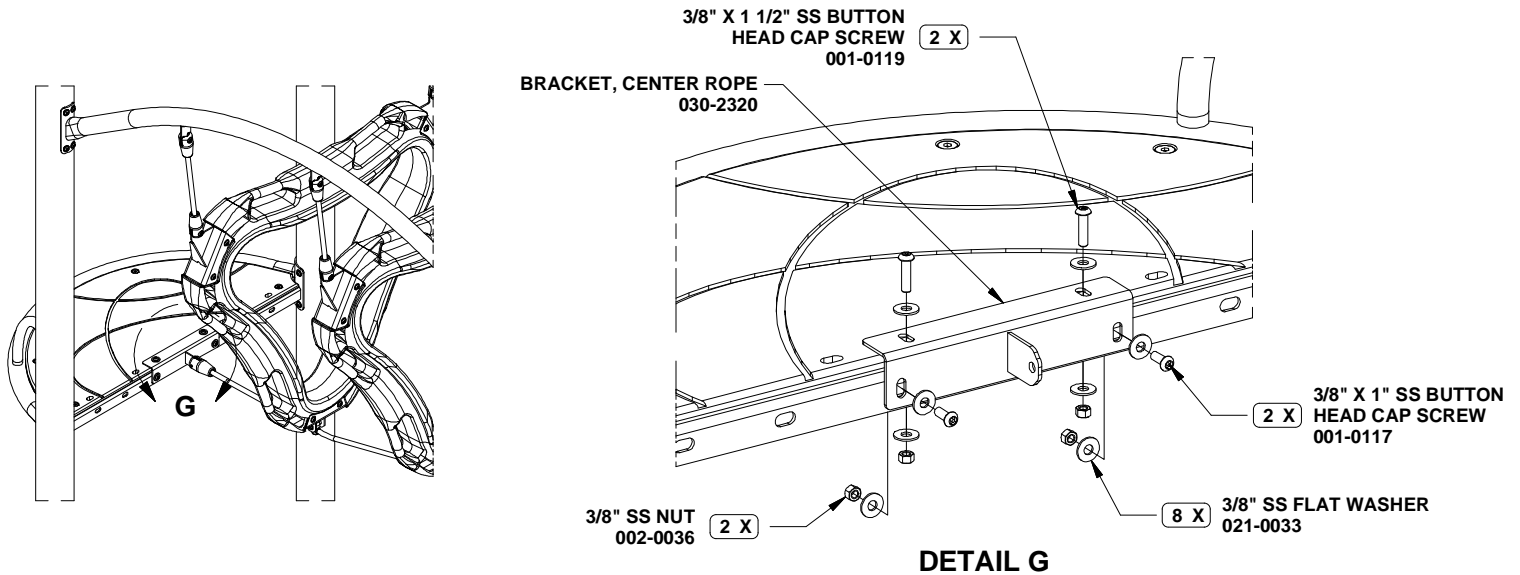
## 470-0075 CRESCENT PLATFORM



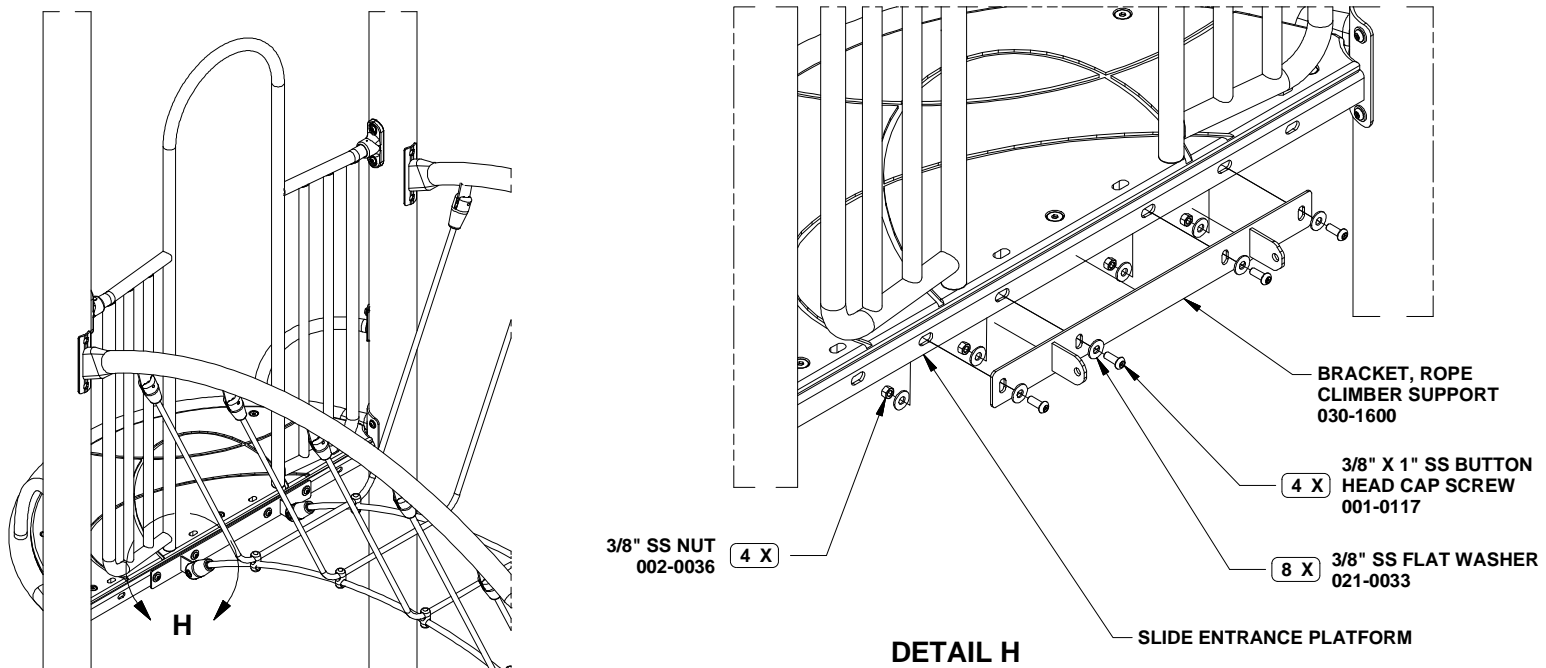
## 470-0075 CRESCENT PLATFORM



## 470-0075 CRESCENT PLATFORM

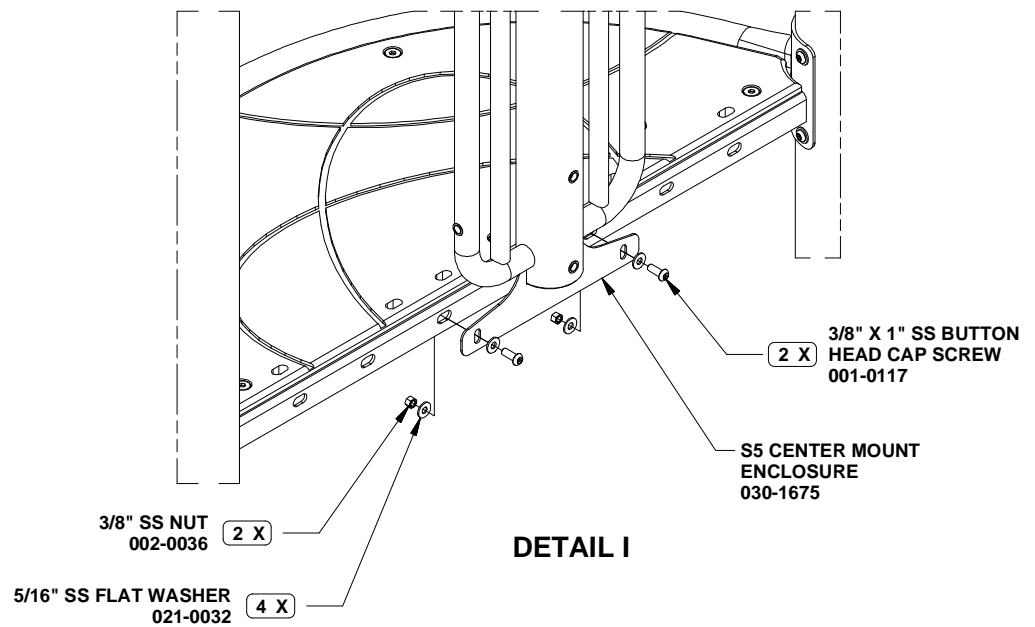
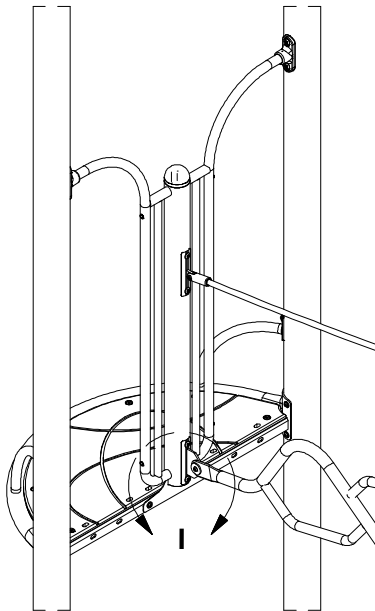


## TRIGON BRACKET ATTACHMENT

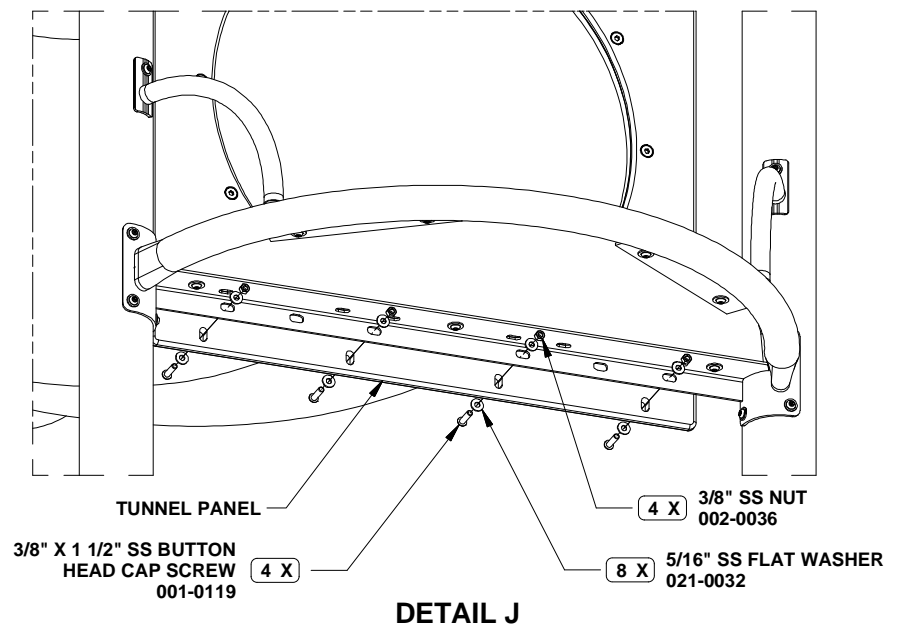
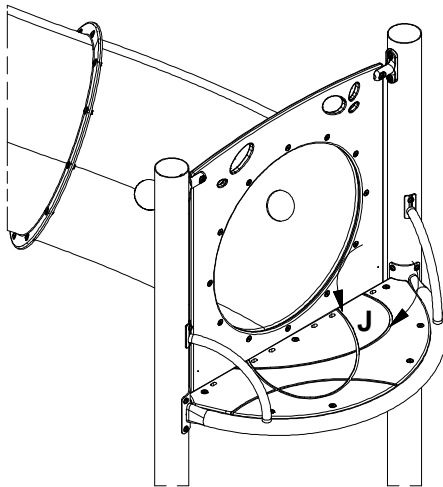


## ROPE CLIMBER ATTACHMENT

**470-0075**  
**CRESCENT PLATFORM**



## CENTER MOUNT ENCLOSURE ATTACHMENT



## TUNNEL PANEL ATTACHMENT

**470-0075**  
**CRESCENT PLATFORM**

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-0033	HILLSIDE SLIDE DECK	1
030-0060	HILLSIDE SLIDE ENTRANCE PLATFORM	1
036-2038	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

HILLSIDE SLIDE DECK: 3/4" Co-extruded HDPE.

HILLSIDE SLIDE ENTRANCE PLATFORM: Weldment consisting of 2.375" x 12ga and 1.315" x 14ga formed galvanized tubing, 7ga stainless steel and 8ga galvanized steel plates, finished with a baked-on powder coating.

HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 52 LBS.**

## INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

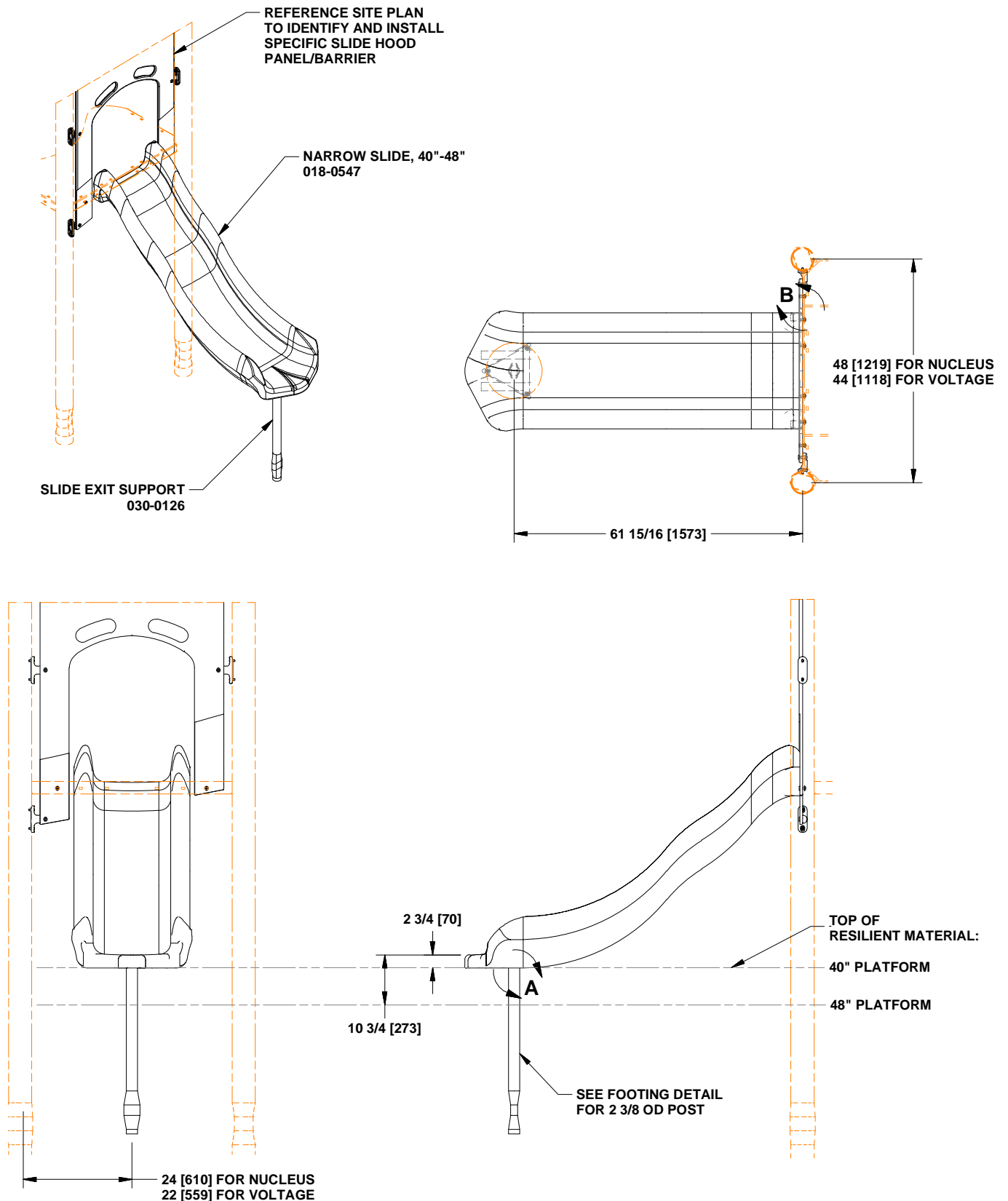
1. Attach HILLSIDE SLIDE ENTRANCE PLATFORM to posts using hardware specified in detail A.
2. Attach HILLSIDE SLIDE DECK to entrance platform using hardware specified in DETAIL B.
3. Tighten all hardware.
4. Assemble the slide entrances, panels, brackets, stairs or climber to the HILLSIDE SLIDE ENTRANCE according to the purchased configuration. Use the hardware specified in the appropriate connection scenario. See relevant installation instructions located in your installation manual to complete assembly.
5. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**







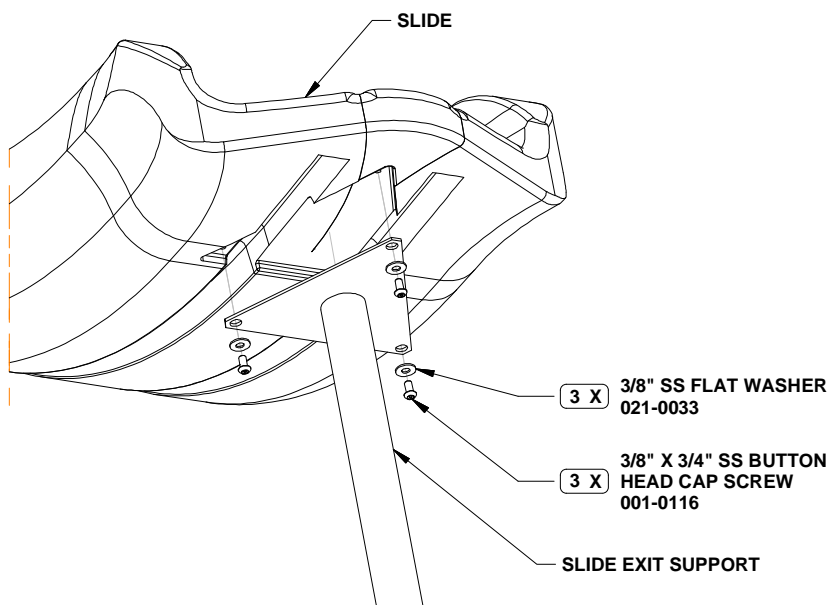
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [ ] BRACKETS.



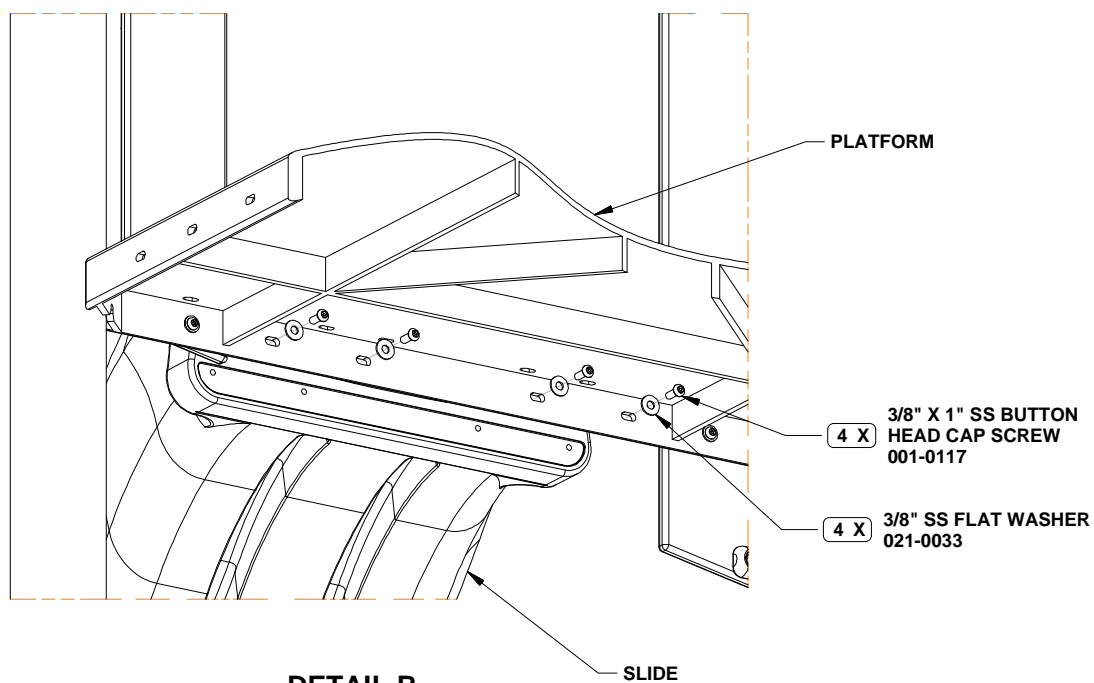
## 470-0659 ROCK'N ROLL SLIDE, 40-48" W/O HOOD



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [ ] BRACKETS.



**DETAIL A**



**DETAIL B**

## 470-0659 ROCK'N ROLL SLIDE, 40-48" W/O HOOD

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-0547	NARROW SLIDE, 40"-48"	1
030-0126	SUPPORT, SLIDE EXIT	1
036-1393	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

NARROW SLIDE, 40"-48"; SLIDE HOOD , NARROW SLIDES: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainelss steel.

**SHIPPING WEIGHT: 71 LBS.**

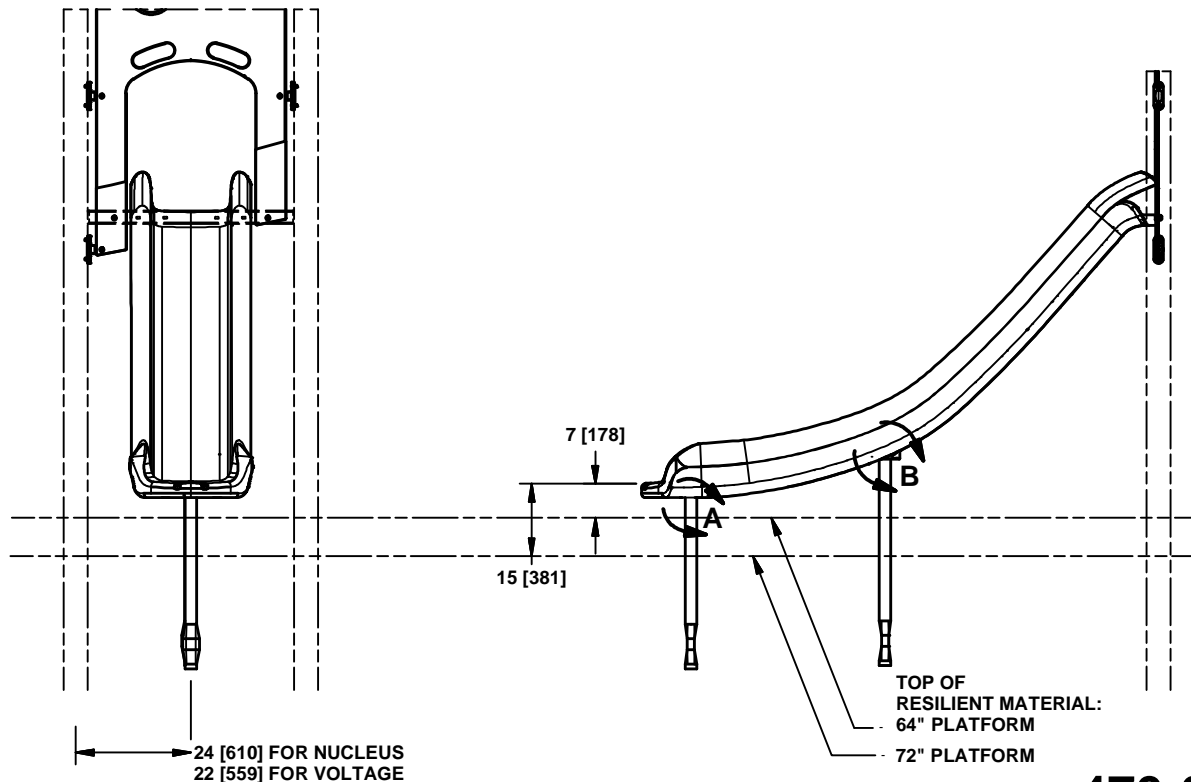
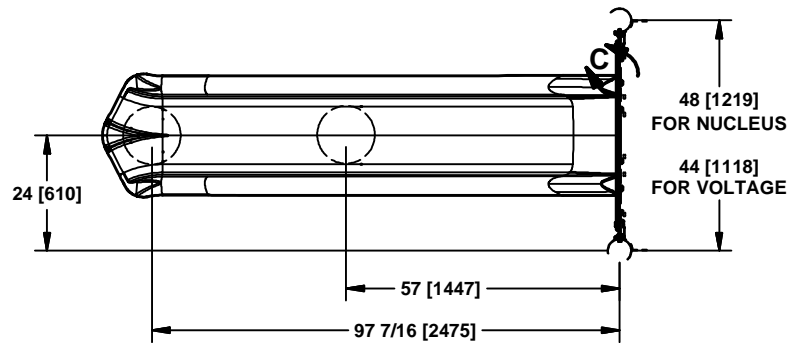
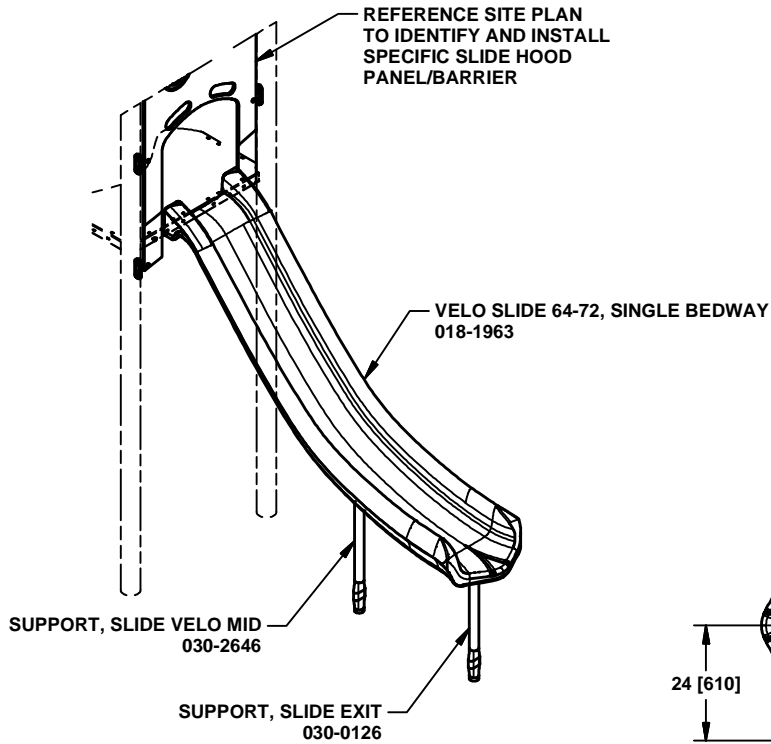
## INSTALLATION INSTRUCTIONS

**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

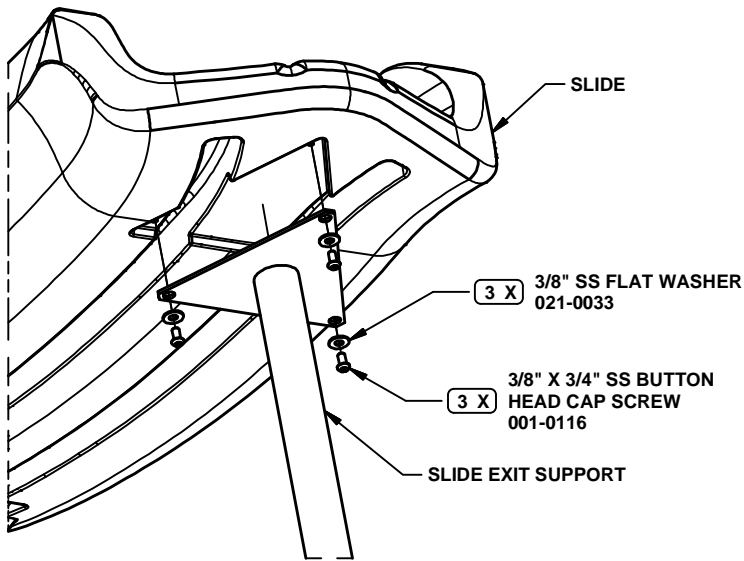
**NOTE:** Do not tighten hardware until instructed to do so.

1. After platform and slide hood panel/barrier have been installed, locate and dig footing hole as per dimensions shown. See footing detail drawing, which is located in the preface of your installation manual.
2. Attach SLIDE EXIT SUPPORT to NARROW SLIDE using hardware specified in DETAIL A. Tighten fasteners.
3. Position slide into footing holes. Attach slide to platform using hardware specified in DETAIL B. Make sure that the slide is flush and tight to platform.
4. Tighten all hardware.
5. Block-up, level and plumb.
6. Pour concrete. Let set for two to three days.
7. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

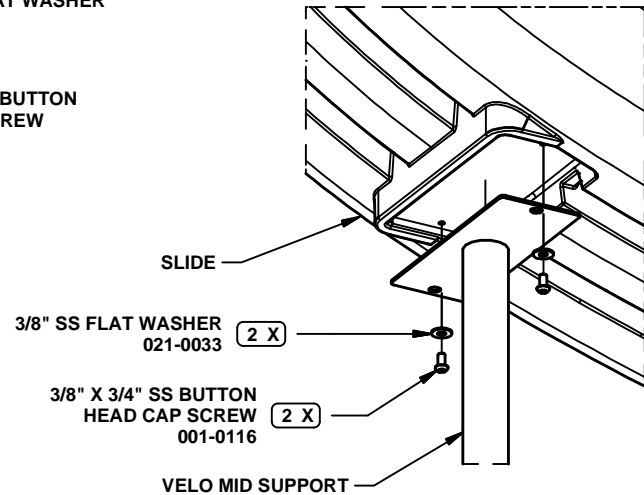




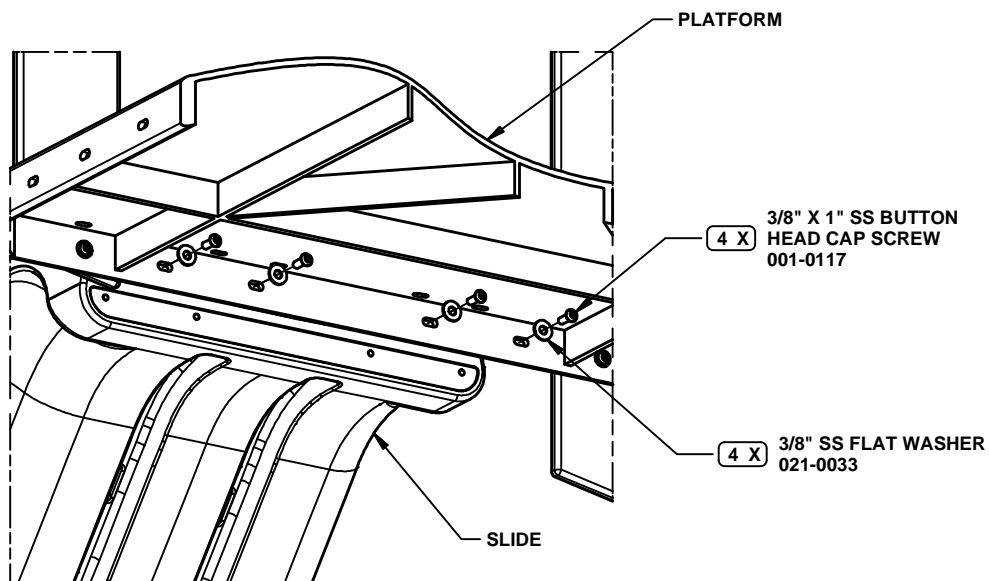
## 470-0754 VELO SLIDE 64-72, W/O HOOD



DETAIL A



DETAIL B



DETAIL C

## 470-0754 VELO SLIDE 64-72, W/O HOOD

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-1963	VELO SLIDE 64-72, SINGLE BEDWAY	1
030-0126	SUPPORT, SLIDE EXIT	1
030-2646	SUPPORT, SLIDE VELO MID	1
036-1393	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

VELO SLIDE 64-72, SINGLE BEDWAY: 1/4" thick, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 3/8" T-nut inserts, and a textured surface.

SUPPORT, SLIDE EXIT: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 8 GA galvanized sheet steel. Finished with a baked on powder coating.

SUPPORT, SLIDE VELO MID: One piece all welded construction consisting of 10 GA galvanized steel plate and 2 3/8" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

**SHIPPING WEIGHT: 109 LBS.**

## INSTALLATION INSTRUCTIONS

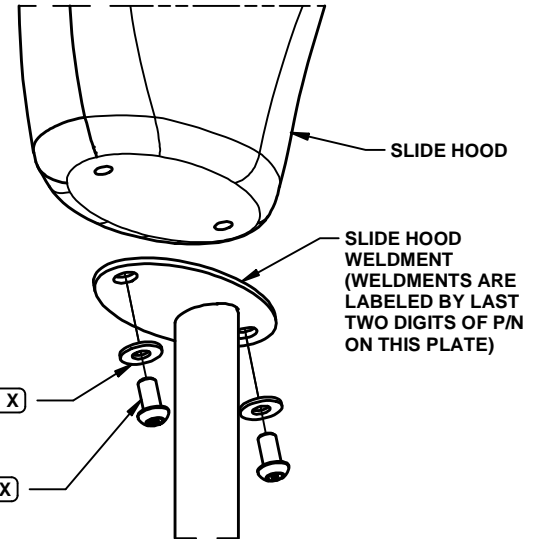
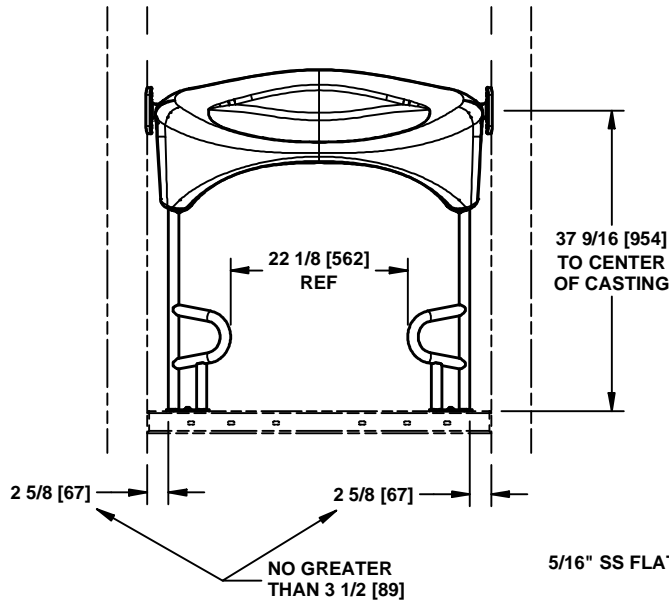
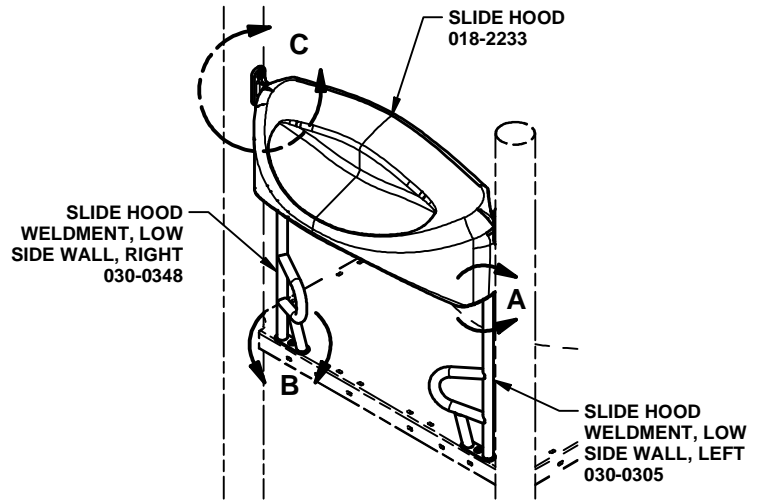
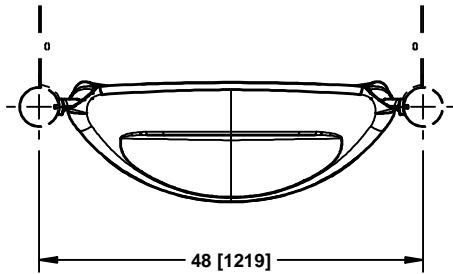
**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

**NOTE:** Do not tighten hardware until instructed to do so.

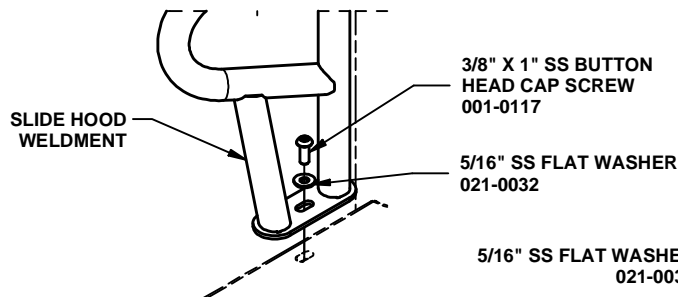
1. After platform and slide hood panel/barrier have been installed, locate and dig footing hole as per dimensions shown. See footing detail drawing, which is located in the preface of your installation manual.
2. Attach SLIDE EXIT SUPPORT to VELO SLIDE using hardware specified in DETAIL A. Tighten fasteners.
3. Attach SLIDE VELO MID SUPPORT to slide using hardware specified in DETAIL B. Tighten fasteners.
4. Position slide into footing holes. Attach slide to platform using hardware specified in DETAIL C. Make sure that the slide is flush and tight to platform.
5. Tighten all hardware.
6. Block-up, level and plumb.
7. Pour concrete. Let set for two to three days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**







**DETAIL A  
(2 PLACES)**



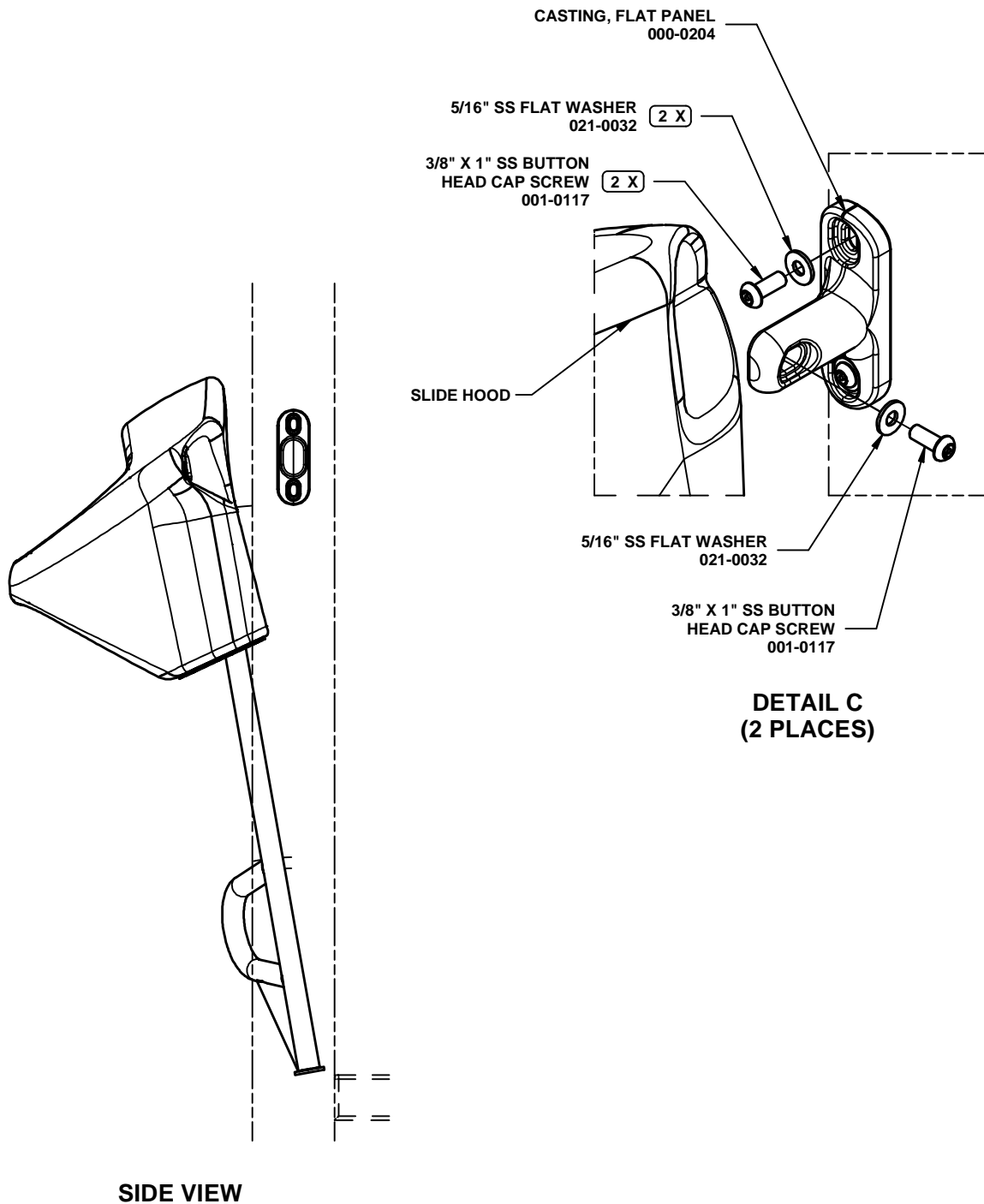
**DETAIL B (ABOVE PLATFORM)  
(2 PLACES)**

5/16" SS FLAT WASHER  
021-0032

3/8" SS NUT  
002-0036

**DETAIL B (BELOW PLATFORM)  
(2 PLACES)**

## 470-0967 SLIDE HOOD, LOW SIDE WALL



## 470-0967 SLIDE HOOD, LOW SIDE WALL

**PARTS LIST**

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0204	CASTING, FLAT PANEL	2
018-2233	SLIDE HOOD	1
030-0305	SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT	1
030-0348	SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT	1
036-0040	HARDWARE PACKAGE	2
036-0784	HARDWARE PACKAGE	1
036-2006	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

**SPECIFICATIONS**

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

SLIDE HOOD: Linear, low density rotationally molded, U.V. stabilized, polyethylene, .250" thick, double wall construction. Textured outside surface.

SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT; SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT: One piece all welded construction consisting of 1.315" OD x 12 GA galvanized steel tubing and 8 GA and 10 GA galvanized steel sheeting. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

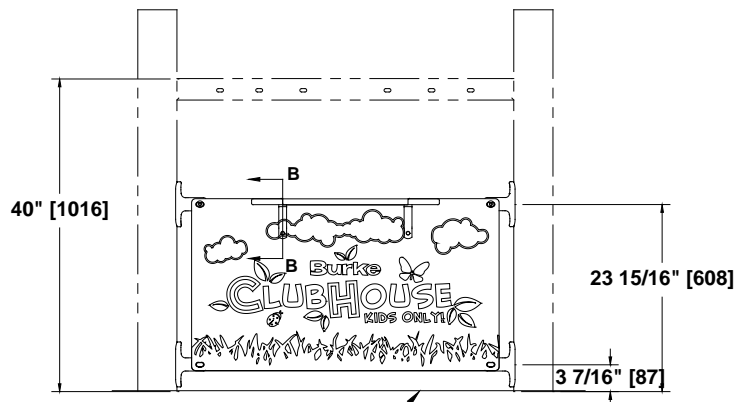
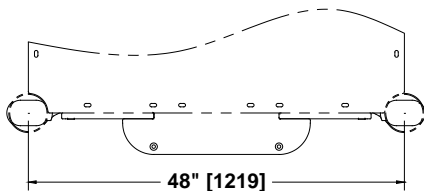
**SHIPPING WEIGHT: 37 LBS.**

**INSTALLATION INSTRUCTIONS**

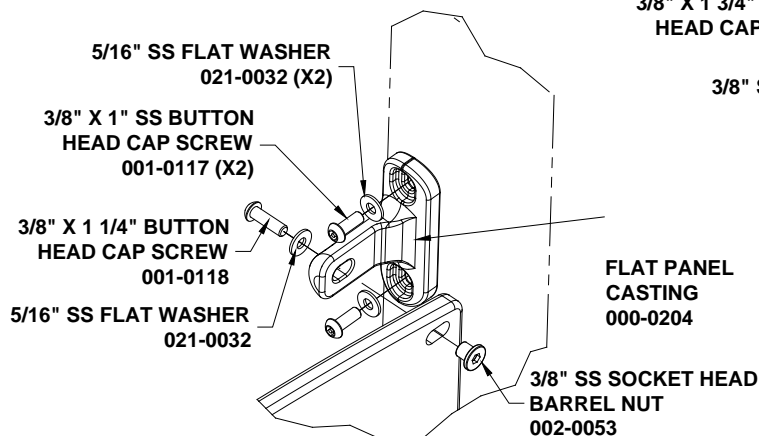
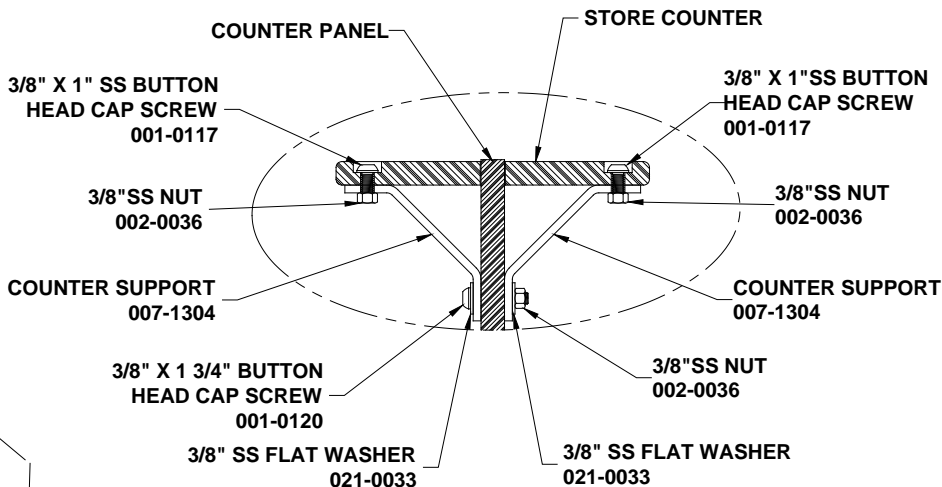
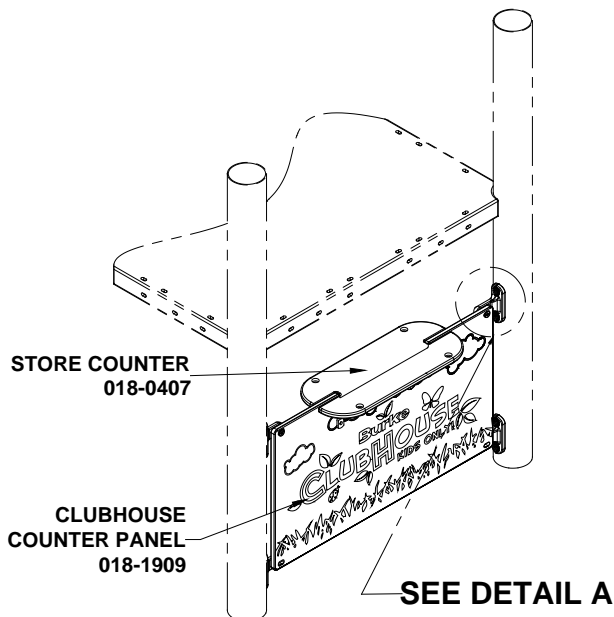
**NOTE: Do not tighten hardware until instructed to do so.**

1. Attach SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT and SLIDE HOOD WELDMENT, LOW SIDE WALL, RIGHT to SLIDE HOOD using hardware specified in DETAIL A. Tighten hardware.
2. Loosely fasten slide hood weldment to platform using hardware specified in DETAIL B.
3. Tilt the hood assembly out of the way and attach CASTING, FLAT PANEL using hardware in DETAIL C.
4. Tilt the hood assembly into position, against the castings, and align the slot of the casting and the nut insert of the slide hood. Hold the casting in position, move the hood out of the way, and then tighten hardware connecting the casting to the post.
5. Attach the slide hood assembly to the castings using the remaining hardware in DETAIL C.
6. Tighten all hardware.





TOP OF  
RESILIENT  
MATERIAL



DETAIL A (4 PLACES)

# 570-0838 CLUBHOUSE COUNTER PANEL

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0204	CASTING, FLAT PANEL	4
007-1304	COUNTER SUPPORT	4
018-0407	STORE COUNTER	1
018-1909	CLUBHOUSE COUNTER PANEL	1
036-1245	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat- Treated. Finished with baked on powder coating.

COUNTER SUPPORT: Formed 8 GA. galvanized sheet steel finished with a baked on powder coating.

STORE COUNTER; CLUBHOUSE COUNTER PANEL: 3/4" co-extruded HDPE.

HARDWARE PACKAGE: Stainless steel

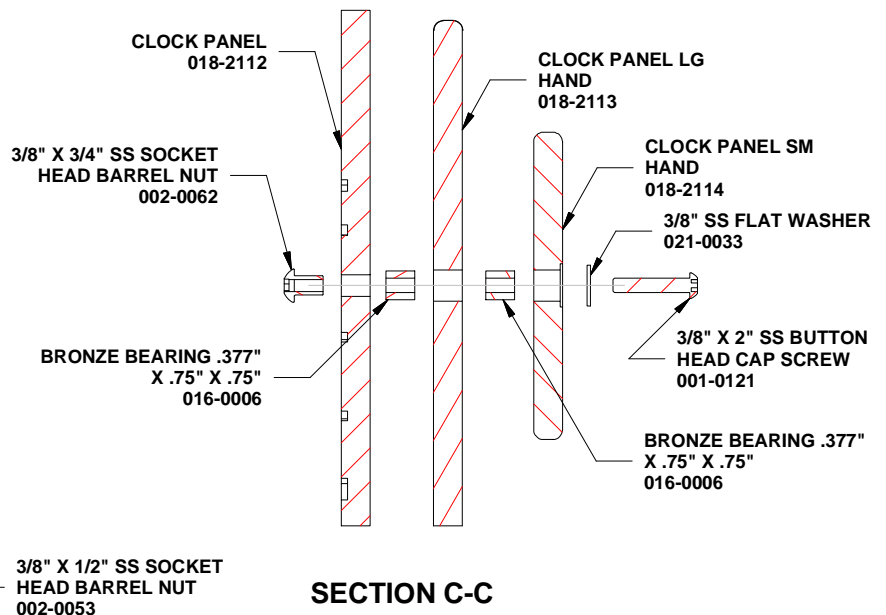
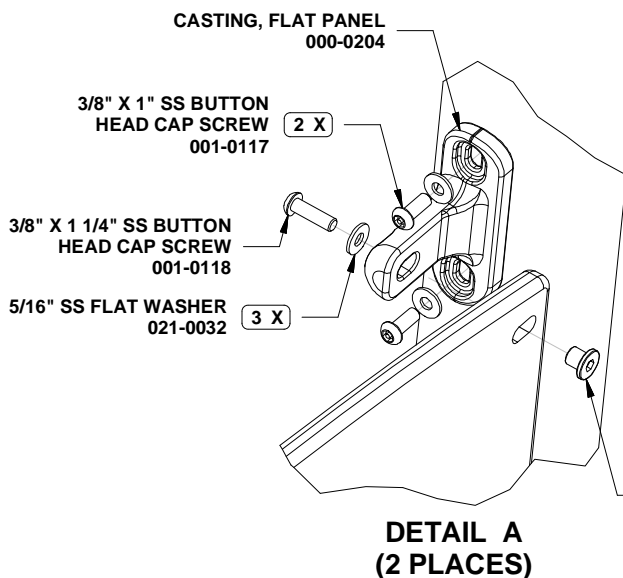
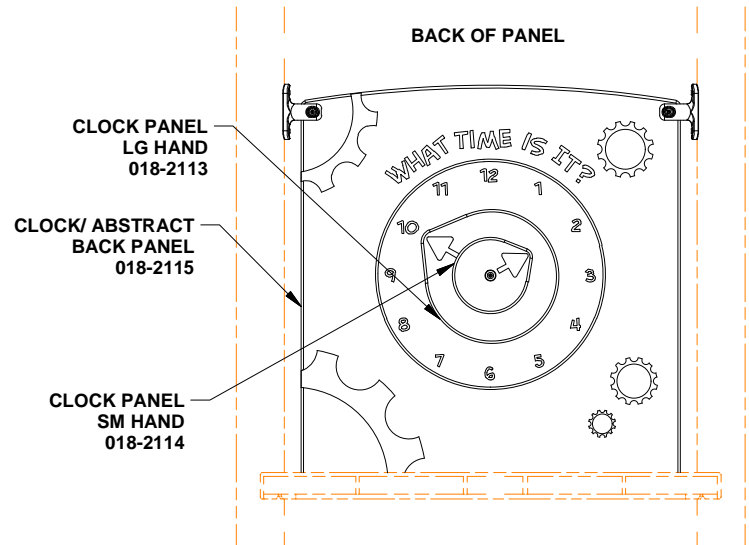
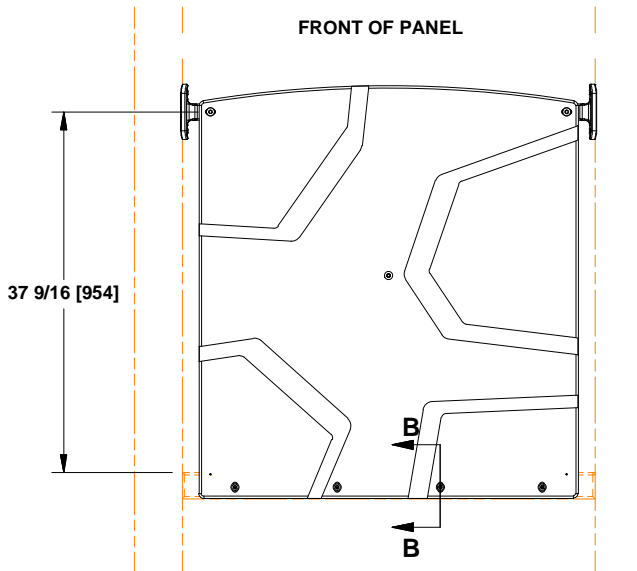
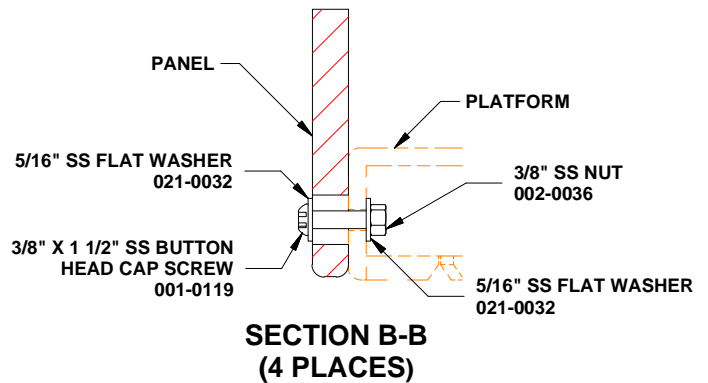
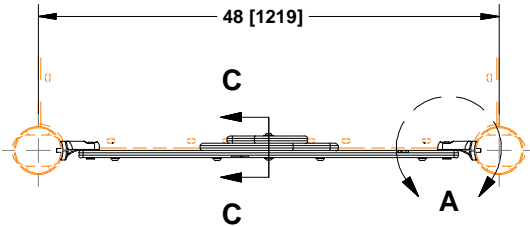
**SHIPPING WEIGHT: 53 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE: PVC coating may need to be removed from mounting holes of parts before installation.**

**NOTE: Do not tighten hardware until instructed to do so.**

1. Attach FLAT PANEL CASTING to 5" OD posts using hardware as shown in DETAIL A. Tighten hardware.
2. Attach counter supports to panel using hardware as shown in SECTION B-B. Tighten hardware.
3. Slide STORE COUNTER into slot on panel with counter bored holes to the top. Attach counter supports to CLUBHOUSE COUNTER PANEL using hardware as shown in SECTION B-B. Tighten hardware.
4. Attach panel assembly to brackets using hardware as shown in DETAIL A. Tighten all hardware.
5. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



**570-2678  
CLOCK PANEL**

## PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	2
016-0006	BRONZE BEARING .377" X .75" X .75"	2
018-2113	CLOCK PANEL LG HAND	1
018-2114	CLOCK PANEL SM HAND	1
018-2115	CLOCK/ ABSTRACT BACK	1
036-0844	HARDWARE PACKAGE	1
036-0880	HARDWARE PACKAGE	1
036-1230	HARDWARE PACKAGE	1
036-2022	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

CASTING, FLAT PANEL: A356-T6 Aluminum, Heat-Treated. Finished with baked on powder coating.

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

CLOCK PANEL LG HAND; CLOCK PANEL SM HAND;  
CLOCK/ ABSTRACT BACK PANEL: 3/4" co-extruded HDPE.

HARDWARE PACKAGE; HARDWARE PACKAGE;  
HARDWARE PACKAGE; HARDWARE PACKAGE:  
Stainless steel.

**SHIPPING WEIGHT: 49 LBS.**

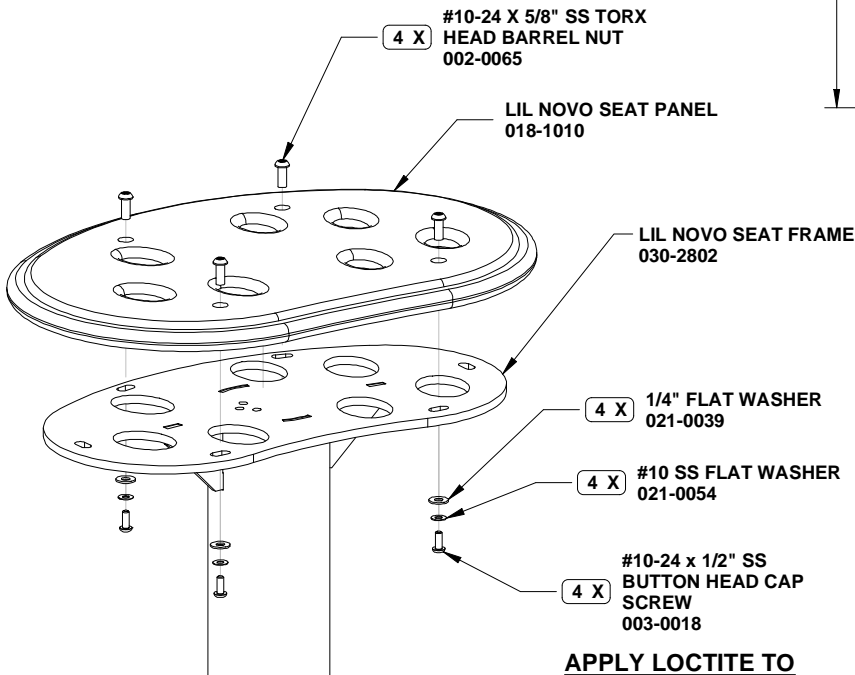
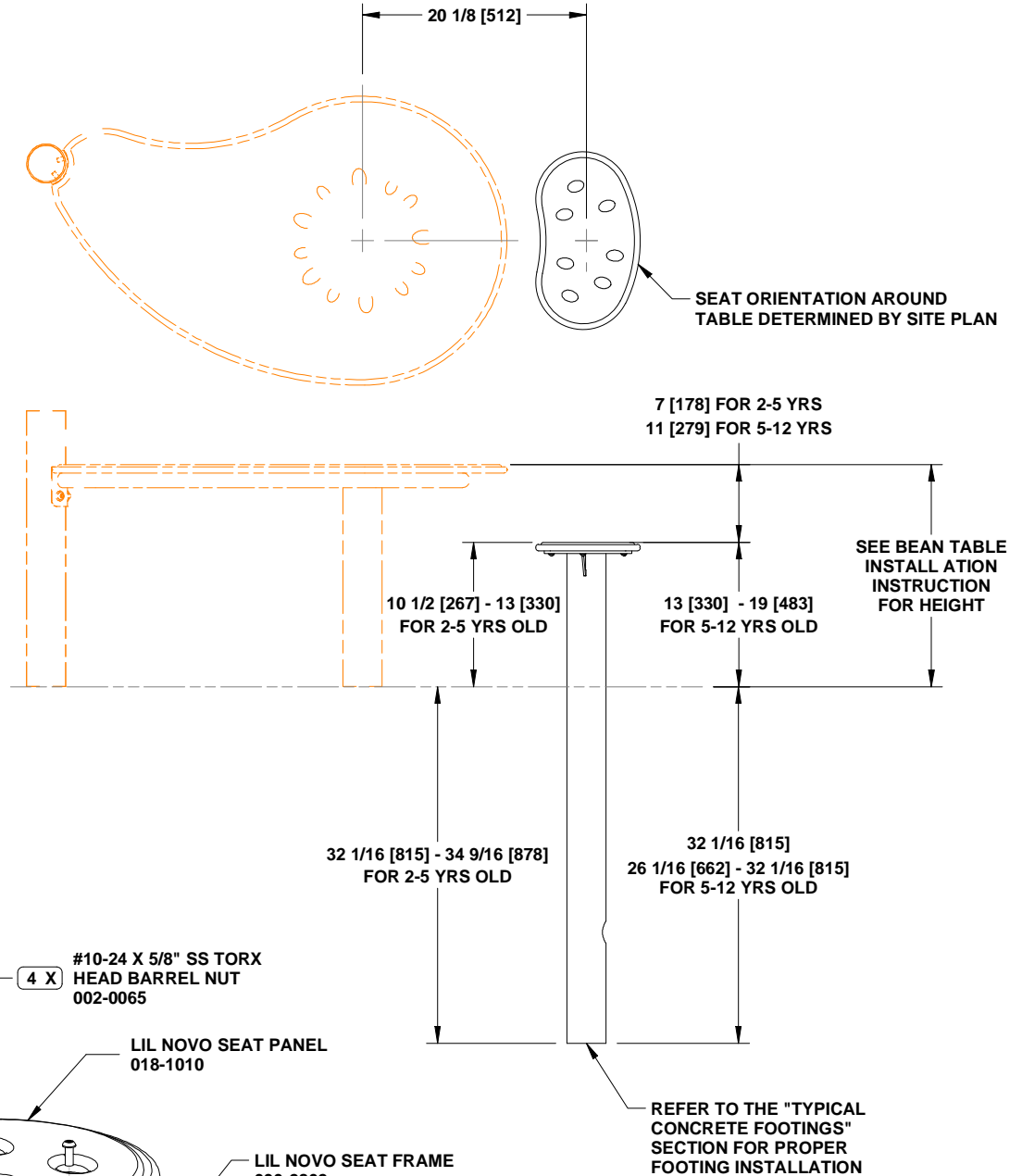
## INSTALLATION INSTRUCTIONS

**NOTE:** PVC coating may need to be removed from mounting holes of parts before installation.

**NOTE:** Do not tighten hardware until instructed to do so.

1. Determine location of Panel assembly.
2. Attach FLAT PANEL CASTINGS to posts using 3/8" X 1" SS button head cap screws and 5/16" SS flat washers. See DETAIL A.
3. Attach PANEL to platform using 3/8" X 1 1/2" SS button head cap screws, 5/16" SS flat washers and 3/8" SS nuts.  
See SECTION B-B.
4. Attach CLOCK PANEL SM HAND and CLOCK PANEL LG HAND to CLOCK PANEL using BRONZE BEARING .377" X .75" X .75", 3/8" X 3/4" SS socket head barrel nut, 3/8" X 2" SS button head cap screw, and 3/8" SS flat washer. See SECTION C-C.
5. Level panel assembly and tighten all hardware, make sure wheel spins freely.
6. **Install resilient material accordance to installation guidelines, ASTM standards and CPSC guidelines.**





SEAT ASSEMBLY VIEW

## 580-1355 LIL' NOVO BEAN BENCH

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-1010	LIL NOVO SEAT PANEL	1
030-2802	LIL NOVO SEAT FRAME	1
036-1626	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

LIL NOVO SEAT PANEL: 3/4" Co-Extruded HDPE

LIL NOVO SEAT FRAME: One piece all welded construction consisting of 3.5" OD x 11 GA galvanized tubing, 8 GA galvanized steel sheeting, and 1/4" zinc-chromated HR steel sheeting. Finished with a baked on powder coating.

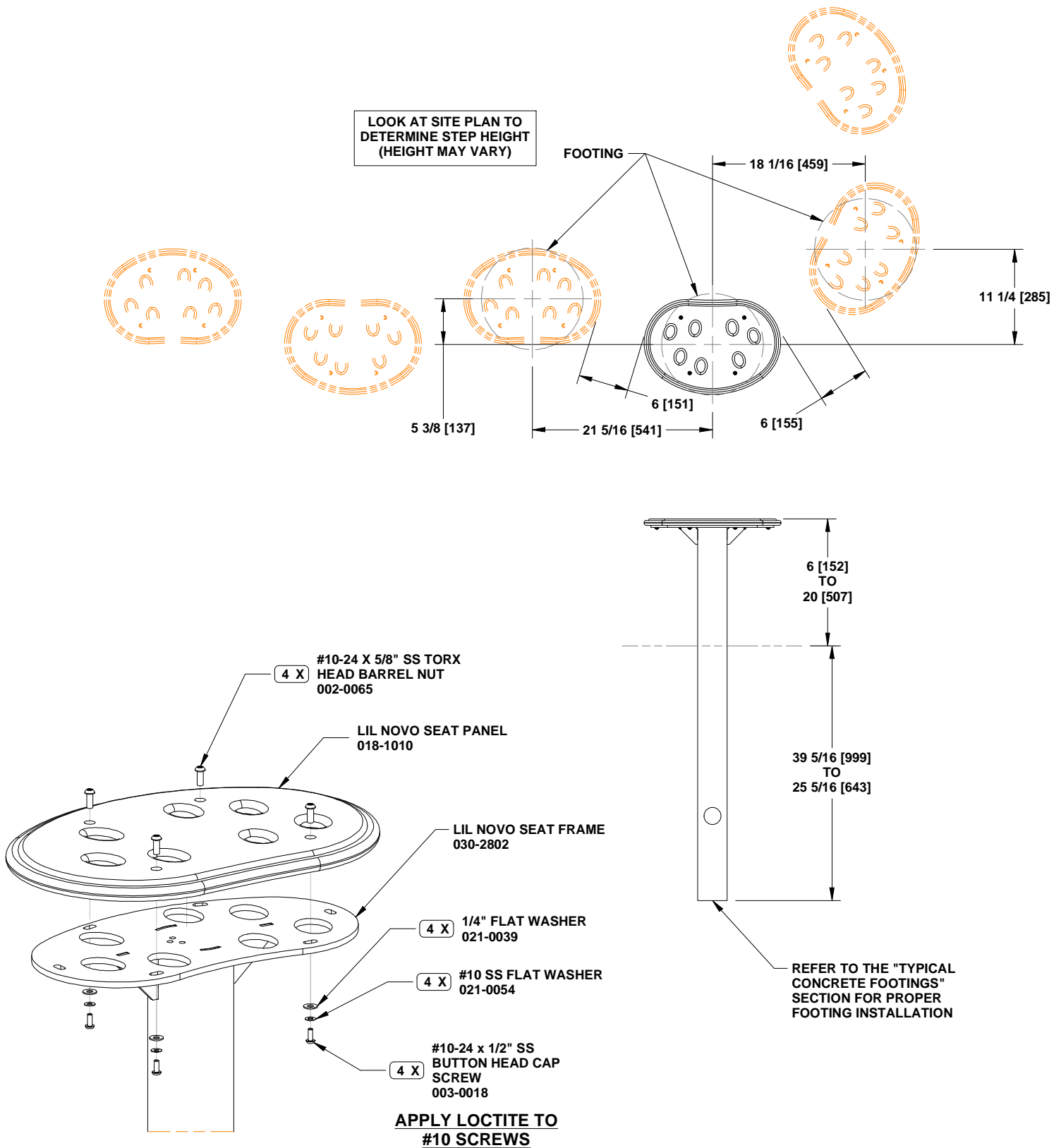
HARDWARE PACKAGE: Stainless Steel and Zinc-Plated Steel.

**SHIPPING WEIGHT: 27 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE: Do not over-tighten hardware.**

1. Locate and dig footing hole around the BEAN TABLE as specified. See typical concrete footing details, which are located in the preface of this installation manual.
2. Attach the LIL NOVO SEAT PANEL to the LIL NOVO SEAT FRAME using hardware as specified in SEAT ASSEMBLY VIEW. Apply loctite to screw threads prior to assembly.
3. Place assembly into footing hole. Block-up, plumb, and level seat.
4. Pour concrete. Allow concrete to set for 2-3 days.
5. **If installed in a play area within the use zone of play equipment, then install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



SEAT ASSEMBLY VIEW

## 580-1364 LIL' NOVO BEAN STEP

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-1010	LIL NOVO SEAT PANEL	1
030-2802	LIL NOVO SEAT FRAME	1
036-1626	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

LIL NOVO SEAT PANEL: 3/4" Co-Extruded HDPE

LIL NOVO SEAT FRAME: One piece all welded construction consisting of 3.5" OD x 11 GA galvanized tubing, 8 GA galvanized steel sheeting, and 1/4" zinc-chromated HR steel sheeting. Finished with a baked on powder coating.

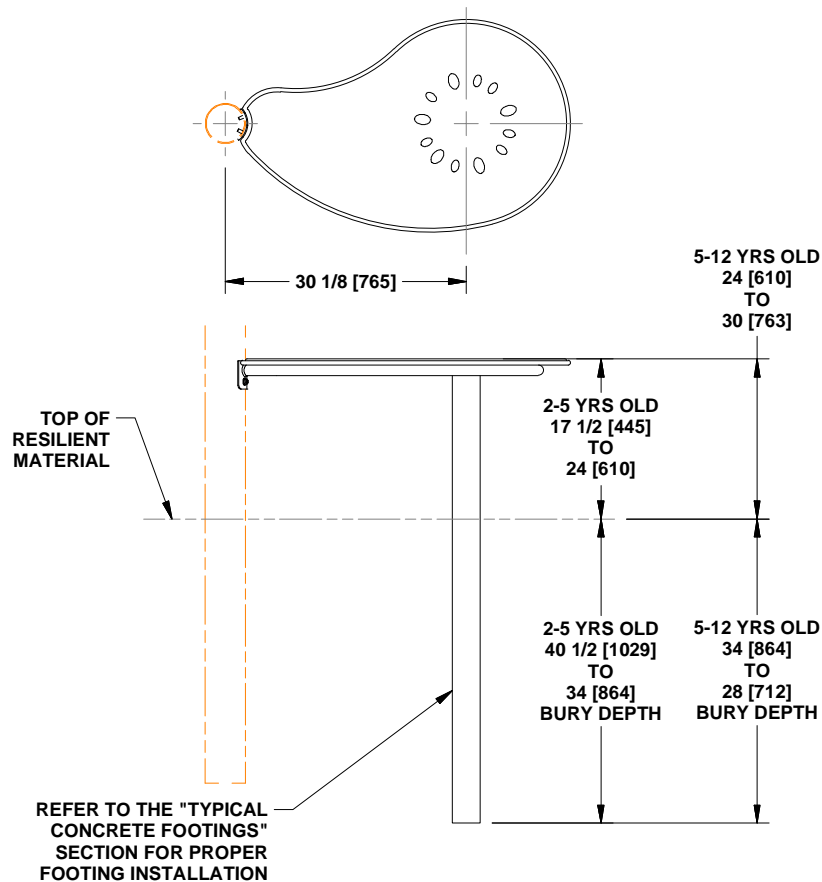
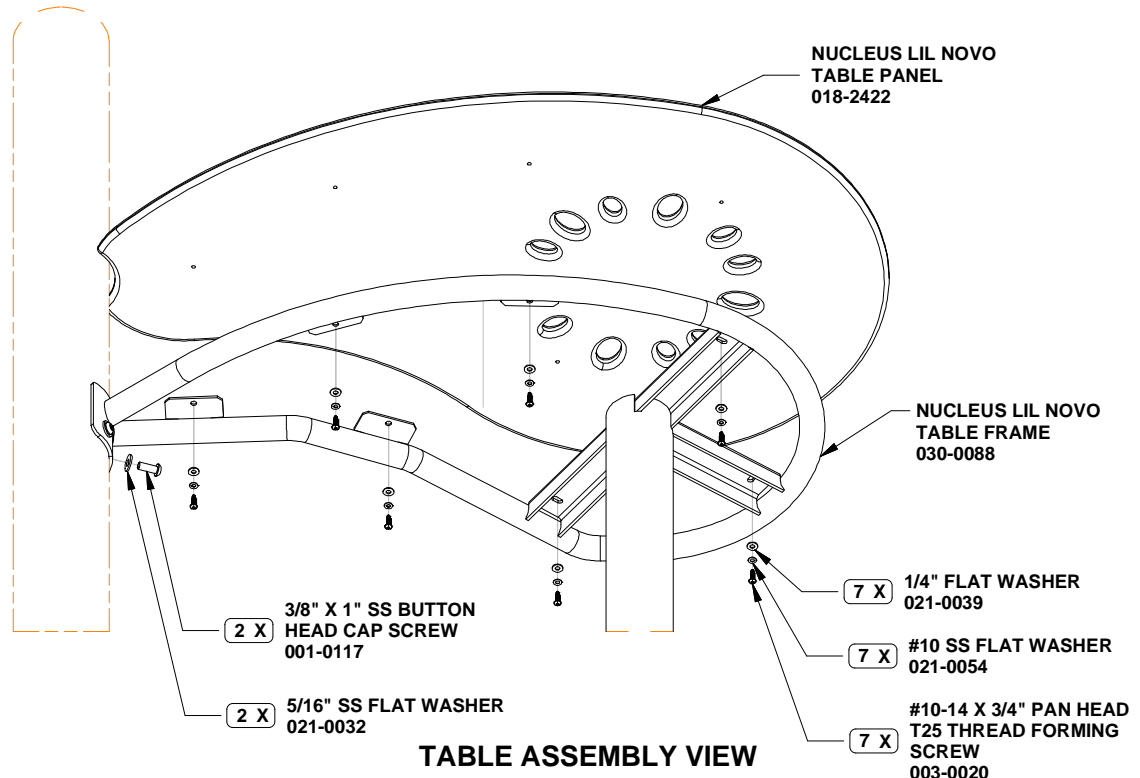
HARDWARE PACKAGE: Stainless Steel and Zinc-Plated Steel.

**SHIPPING WEIGHT: 27 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE: Do not over-tighten hardware.**

1. Locate and dig footing hole per dimensions given and site plan. See typical concrete footing details, which are located in the preface of this installation manual.
2. Attach the LIL NOVO SEAT PANEL to the LIL NOVO SEAT FRAME using hardware as specified in SEAT ASSEMBLY VIEW. Apply loctite to screw threads prior to assembly.
3. Place assembly into footing hole. Block-up, plumb, and level seat.
4. Pour concrete. Allow concrete to set for 2-3 days.
5. **If installed in a play area within the use zone of play equipment, then install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



**580-1370**

## NUCLEUS LIL' NOVO BEAN TABLE

## PARTS LIST

PART NO.	DESCRIPTION	QTY
018-2422	NUCLEUS LIL NOVO TABLE PANEL	1
030-0088	NUCLEUS LIL NOVO TABLE FRAME	1
036-0258	HARDWARE PACKAGE	1
036-2008	HARDWARE PACKAGE	2

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

NUCLEUS LIL NOVO TABLE PANEL:  
3/4" Co-Extruded HDPE

NUCLEUS LIL NOVO TABLE FRAME: One piece all welded construction consisting of 3.5" OD x 11 GA and 1.315" OD x 12 GA galvanized steel tubing, 8 GA and 12 GA galvanized steel sheeting, and 7 GA stainless steel sheeting. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel and zinc-plated steel.

**SHIPPING WEIGHT: 59 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE: Do not over-tighten hardware.**

1. Locate and dig footing holes as per dimensions shown. See typical concrete footing details, which are located in the preface of this installation manual.
2. Attach NUCLEUS LIL NOVO TABLE PANEL and NUCLEUS LIL NOVO TABLE FRAME using hardware specified in TABLE ASSEMBLY VIEW.
3. Attach frame and panel assembly to the post using hardware specified in TABLE ASSEMBLY VIEW.
4. Block-up, plumb, and level table.
5. Pour concrete. Allow concrete to set for 2-3 days.
6. **If installed in a play area within the use zone of play equipment, then install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**

# Burke®

**Order Number**

**Job Name**

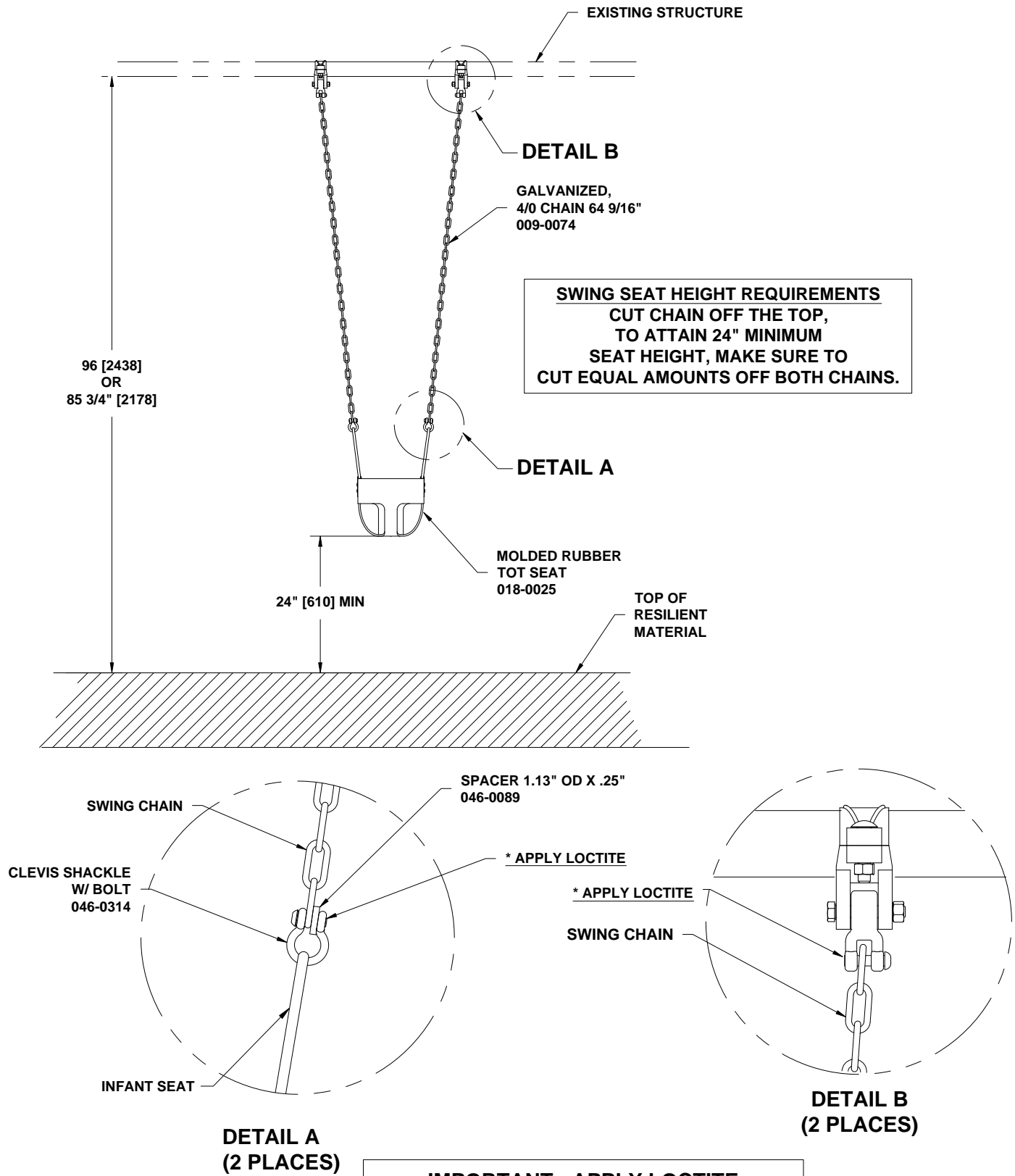
**Structure Number**

## GENERAL CONFORMITY CERTIFICATION

As required by the Consumer Product Safety Improvement Act of 2008, Public Law 110-314 122 Stat. 3016 (August 14, 2008) H.R. 4040

1. This Certification of Compliance covers the playground components sold on Order #\_\_\_\_, identified as Proposal #\_\_\_\_\_.
2. This Certification of Compliance certifies that the products identified in item 1 comply with all rules, bans, standards or regulations applicable to the product under the Consumer Product Safety Improvement Act of 2008; Sections 101, 102, 103 and 108.
3. Manufacturer certifying compliance of the products:  
BCI Burke Company, LLC  
660 Van Dyne Road  
Fond du Lac, WI 54935  
(920) 921-9220
4. The contact information for the individual maintaining records of the test results is as follows:  
Wayne Orvold  
BCI Burke Company, LLC  
660 Van Dyne Road  
Fond du lac, WI 54935  
(920) 921-9220  
[Worvold@bciburke.com](mailto:Worvold@bciburke.com)
5. These products were manufactured for shipment on \_\_\_\_\_.
6. This General Conformity Certification and certification of compliance is based on testing completed through a reasonable testing program (ISO WI 028-08) maintained at the manufacturer listed above.
7. The testing for this certificate was completed at:  
Applied Technical Services, Incorporated  
1049 Triad Coart  
Marietta, GA 30062  
(770) 423-1400





**SWING SEAT HEIGHT REQUIREMENTS**  
CUT CHAIN OFF THE TOP,  
TO ATTAIN 24" MINIMUM  
SEAT HEIGHT, MAKE SURE TO  
CUT EQUAL AMOUNTS OFF BOTH CHAINS.

**IMPORTANT: APPLY LOCTITE  
TO END OF BOLTS BEFORE TIGHTENING**

# TOT SEAT, 7' & 8' SINGLE, STD CHAIN

**550-0099**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
009-0074	GALVANIZED, 4/0 CHAIN 64 9/16"	2
018-0025	MOLDED RUBBER TOT SEAT	1
046-0089	SPACER 1.13" OD X .25"	2
046-2197	LOCTITE	1
046-0314	CLEVIS SHACKLE W/BOLT	2

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

GALVANIZED, 4/0 CHAIN 64 9/16": 3/8" diameter, 4/0 straight coil chain.

MOLDED RUBBER TOT SEAT: Molded rubber, reinforced with a steel insert. Riveted galvanized attachment hardware.

SPACER 1.13" OD X .25": 1/4" Nylatron GS.

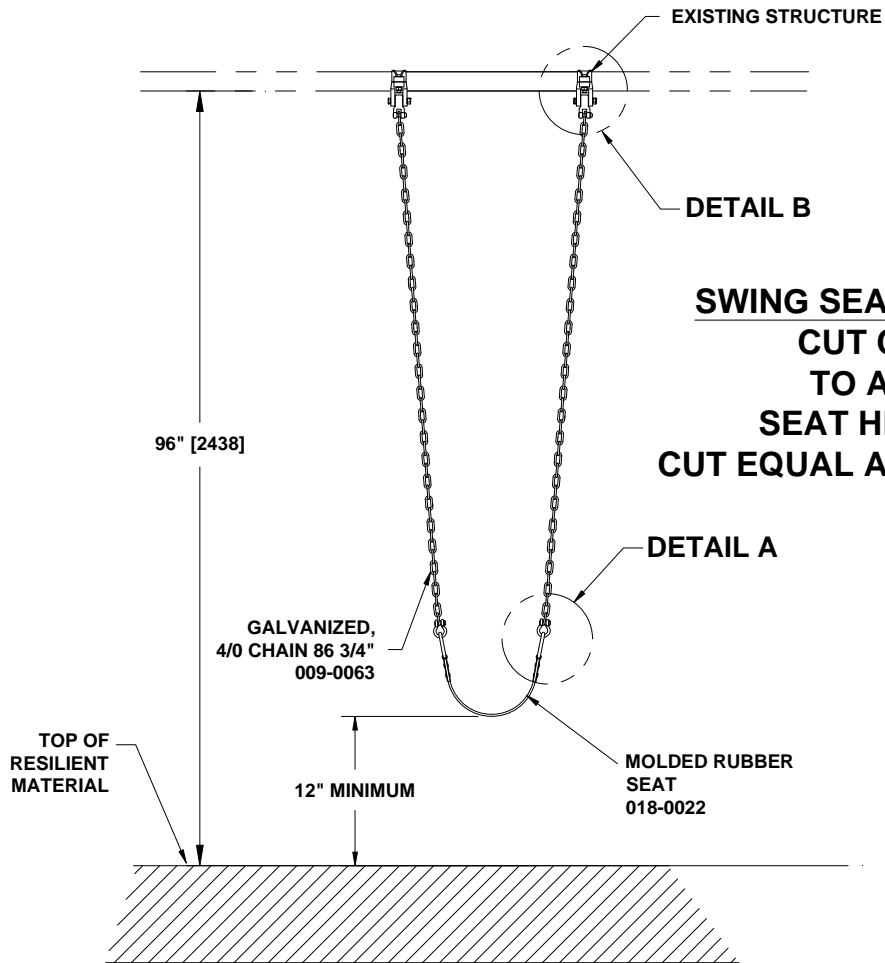
LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

CLEVIS SHACKLE W/BOLT: 5/16" Shackle with a 3/8" X 1 1/2" bolt.

**SHIPPING WEIGHT: 13 LBS.**

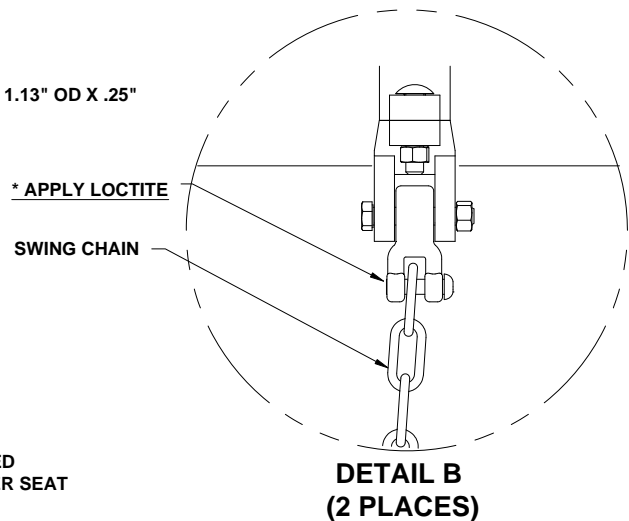
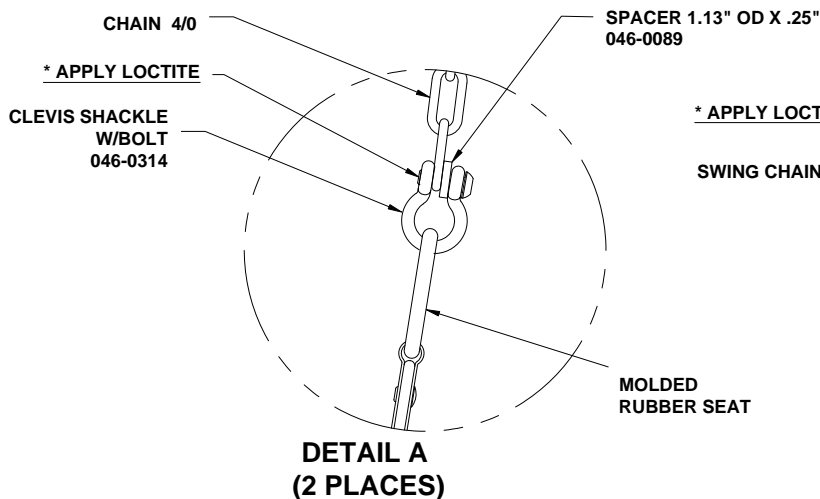
## INSTALLATION INSTRUCTIONS

1. Unscrew bolt on swing hanger and attach swing CHAIN 4/0 to swing hanger. Apply LOCTITE to all bolts on hangers before tightening. See DETAIL B.
2. Unscrew bolt in CLEVIS SHACKLE and slide shackles onto both sides of MOLDED RUBBER SEAT. See DETAIL A.
3. Determine what length to cut the chains. Attach the seat to the chains with SPACER and shackle at your desired height. Note there must be a minimum of 24" between the underside of the seat and the top of the resilient material.
4. With the seats at the desired heights and also attaining the 24" minimum clearance, cut and remove the excess chain. Make sure to cut the same length off each chain so that the seat remains level. Apply loctite to all shackle bolts and tighten.
5. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



**SWING SEAT HEIGHT REQUIREMENTS**  
**CUT CHAIN OFF THE TOP,**  
**TO ATTAIN 12" MINIMUM**  
**SEAT HEIGHT, MAKE SURE TO**  
**CUT EQUAL AMOUNTS OFF BOTH CHAINS.**

**IMPORTANT: APPLY LOCTITE**  
**TO END OF BOLTS BEFORE TIGHTENING**



**550-0111**  
**BELT SEAT, 8' SINGLE, STD CHAIN**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
009-0063	GALVANIZED 4/0 CHAIN 86 3/4"	2
018-0022	MOLDED RUBBER SEAT	1
046-0089	SPACER 1.13" OD X .25"	2
046-2197	LOCTITE	1
046-0314	CLEVIS SHACKLE W/BOLT	2

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

GALVANIZED 4/0 CHAIN 86 3/4": 3/8" diameter, 4/0 straight coil chain.

MOLDED RUBBER SEAT: Molded rubber, reinforced with a steel insert. Riveted galvanized attachment hardware.

SPACER 1.13" OD X .25": 1/4" Nylatron GS.

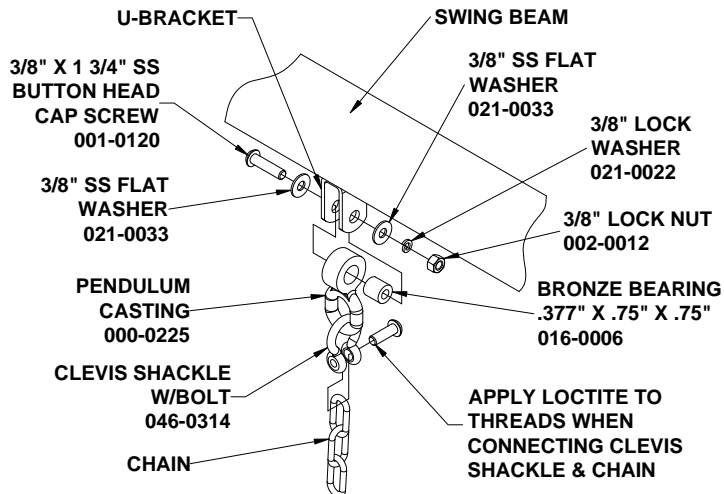
LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

CLEVIS SHACKLE W/BOLT: 5/16" Shackle with a 3/8" X 1 1/2" bolt.

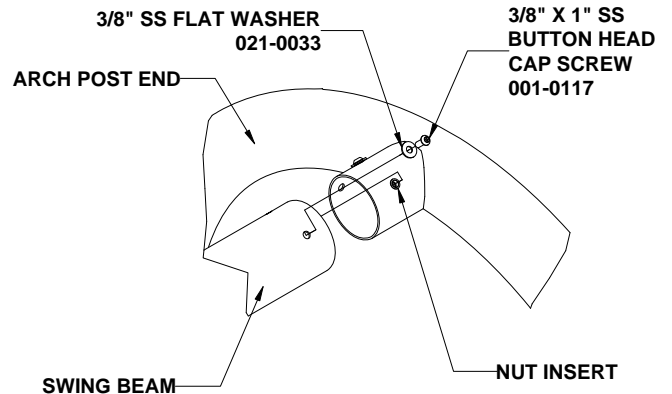
**SHIPPING WEIGHT: 11 LBS.**

## INSTALLATION INSTRUCTIONS

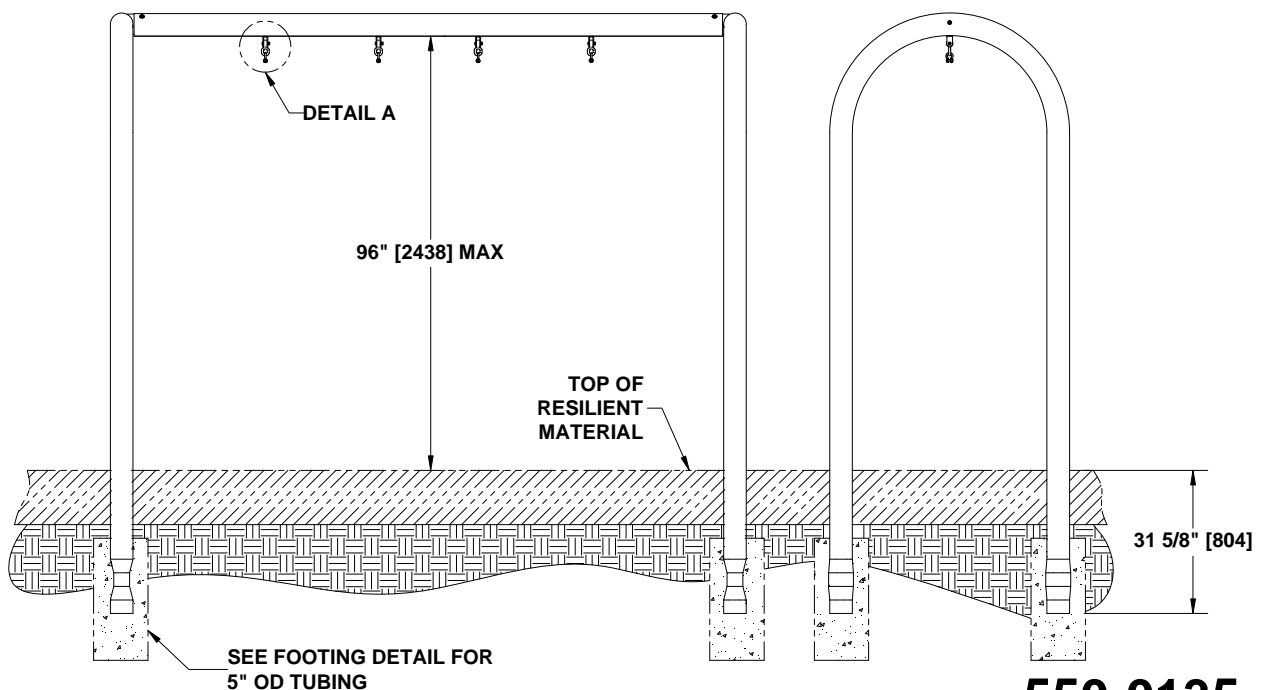
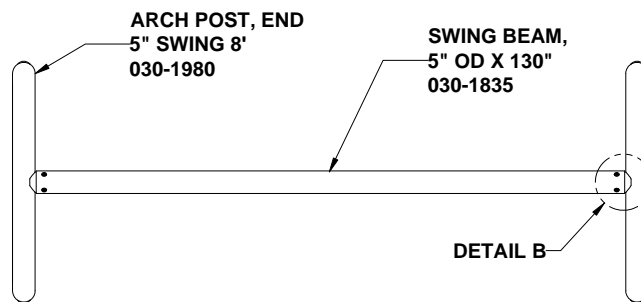
1. Unscrew bolt on swing hanger and attach swing CHAIN 4/0 to swing hanger. Apply LOCTITE to all bolts on hangers before tightening. See DETAIL B.
2. Unscrew bolt in CLEVIS SHACKLE and slide shackles onto both sides of MOLDED RUBBER SEAT. See DETAIL A.
3. Determine what length to cut the chains. Attach the seat to the chains with SPACER and shackle at your desired height. Note there must be a minimum of 12" below the seat between the underside of the seat and the top of the resilient material. When measuring, the seat must be pulled down as if someone were sitting in it and the resilient material must be at it's finished depth.
4. With the seats at the desired heights and also attaining the 12" minimum clearance, cut and remove the excess chain. Make sure to cut the same length off each chain so that the seat remains level. Apply Loctite to all shackle bolts and tighten.
5. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



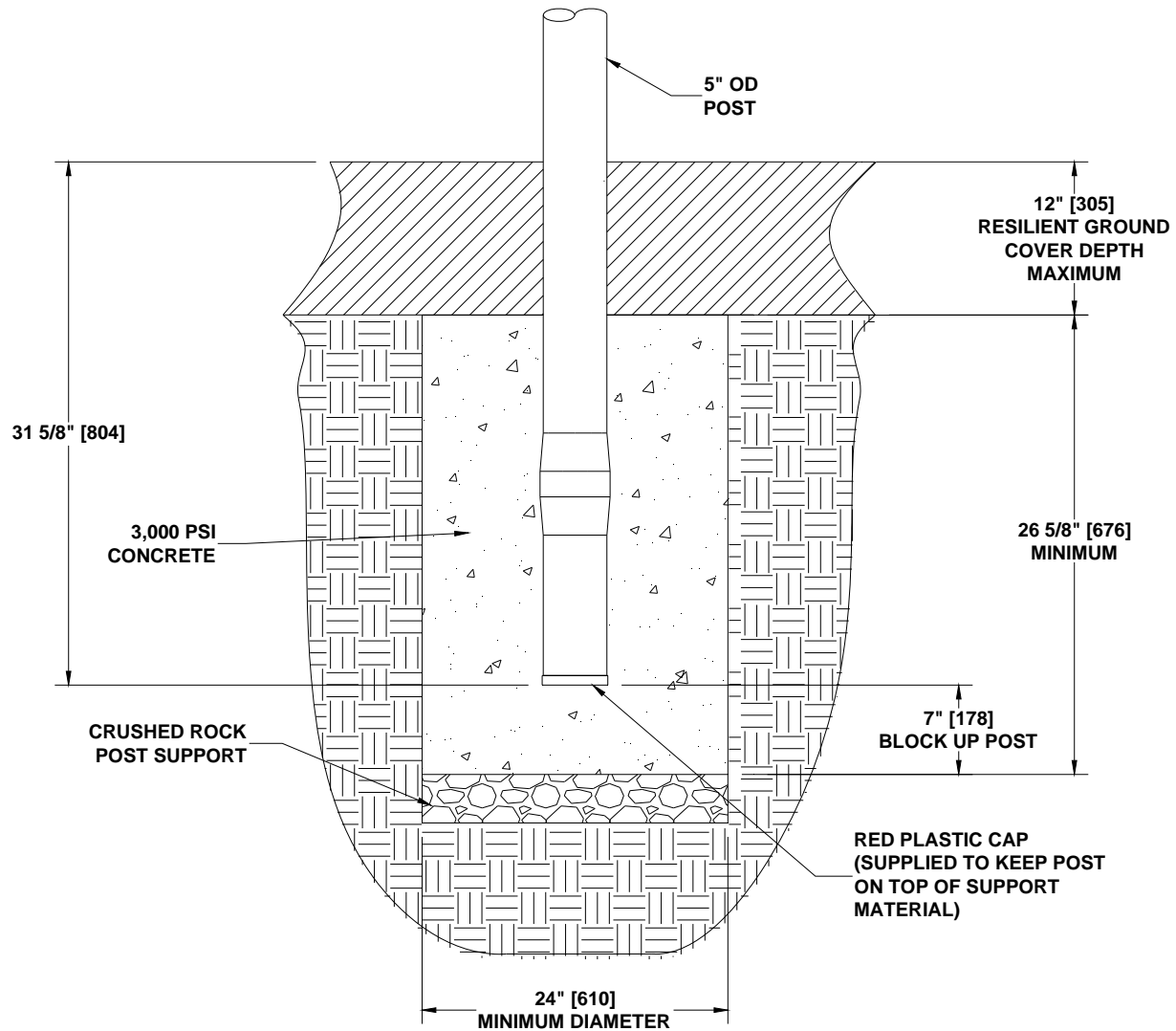
**DETAIL A**  
(4 PLACES)



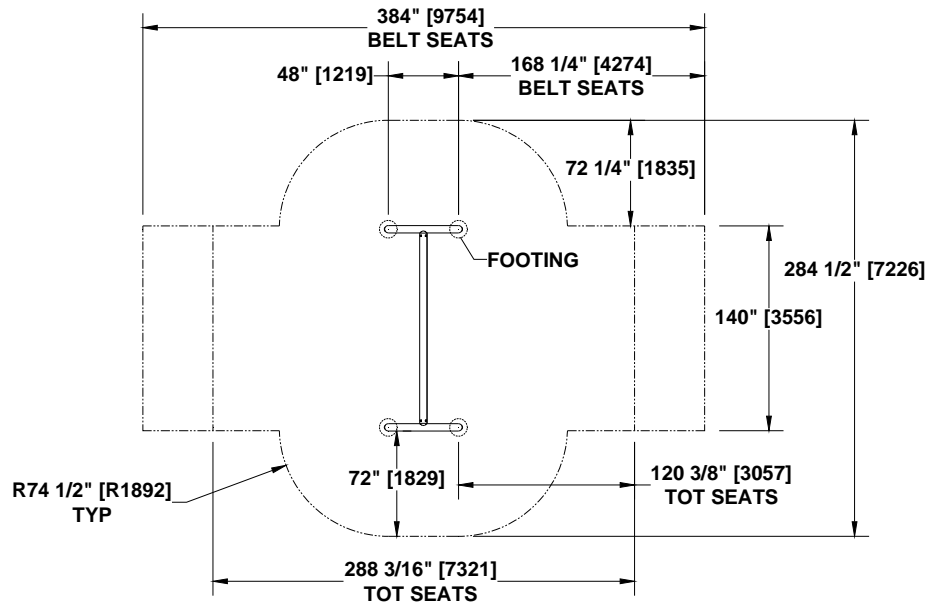
**DETAIL B**  
(2 PLACES)



## 550-0135 5" OD ARCH SWING

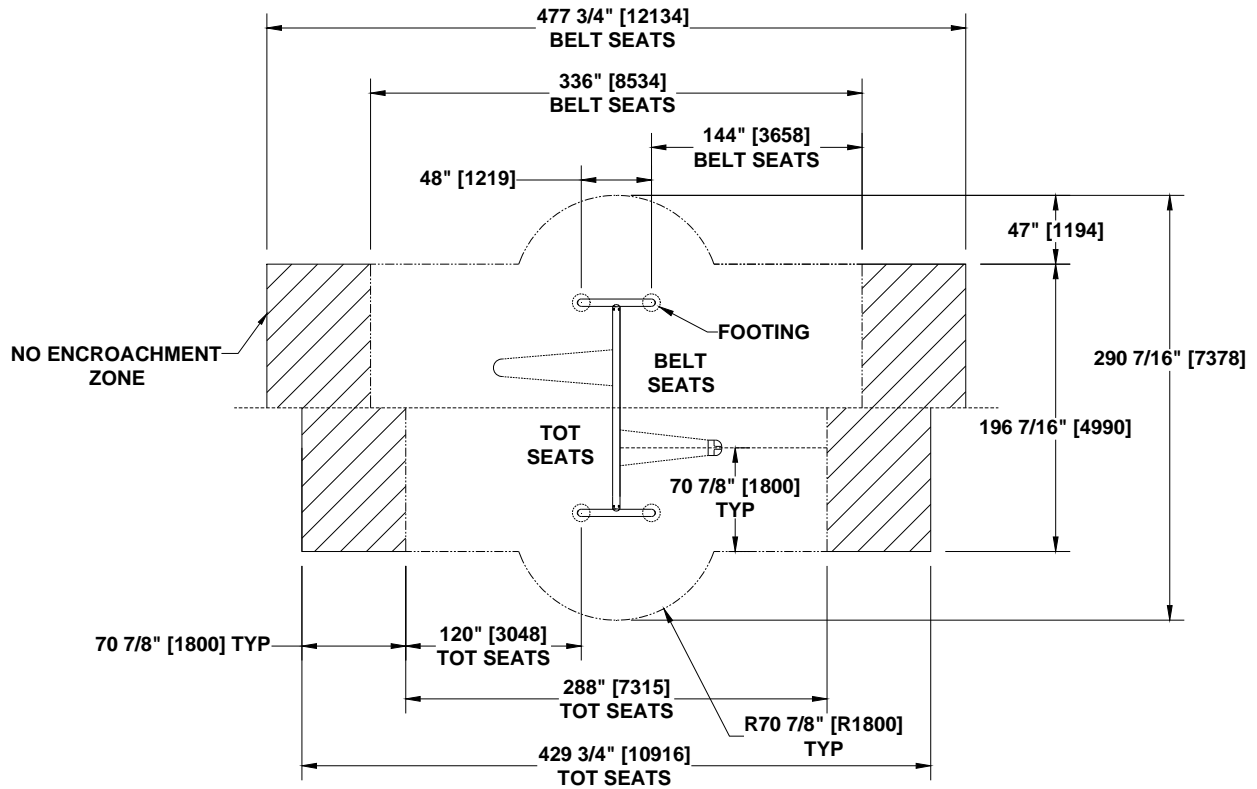


## 550-0135 5" OD ARCH SWING



### USA

USE ZONE PER ASTM/CPSC STANDARDS



### CANADA

PROTECTIVE SURFACING ZONE PER CSA STANDARDS

**550-0135**  
**5" OD ARCH SWING**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0225	PENDULUM CASTING	4
016-0006	BRONZE BEARING .377" X .75" X .75"	4
030-1835	SWING BEAM, 5" OD X 130"	1
030-1980	ARCH POST END, 5" OD SWING	2
036-0227	HARDWARE PACKAGE	1
036-0788	HARDWARE PACKAGE	2
036-1414	HARDWARE PACKAGE	1
046-2197	LOCTITE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

PENDULUM CASTING: Galvanize plated, grade 32510, malleable iron

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

SWING BEAM, 5" OD X 130": One piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.

ARCH POST END, 5" OD SWING: One piece all welded construction consisting of 5" OD x 11 GA & 11/16" OD low carbon steel bar and 4 1/2" OD x 11 GA steel tubing w/cadmium and yellow chromate plating, and an assembly of 3/8" nut inserts. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

HARDWARE PACKAGE: Stainless steel washers & screws and zinc plated steel lock nuts & washers.

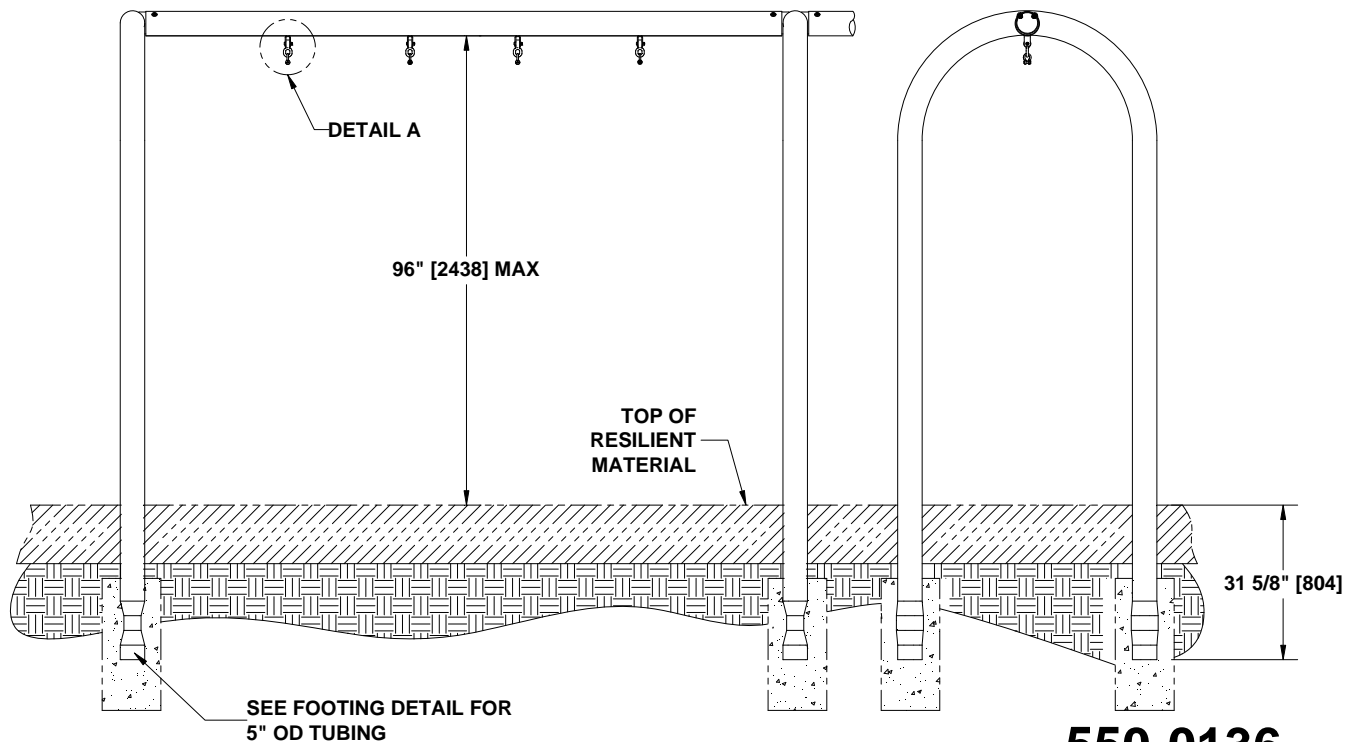
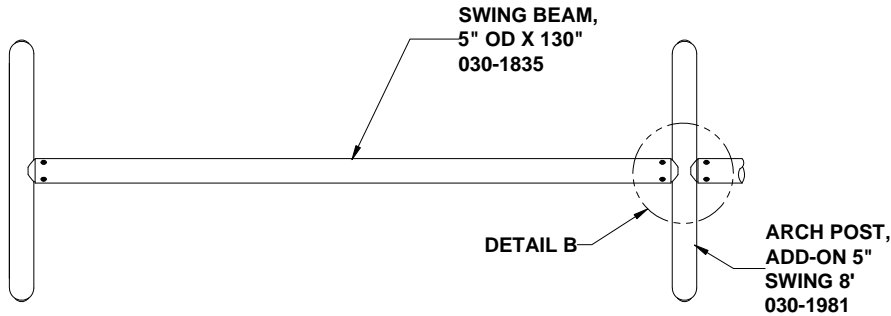
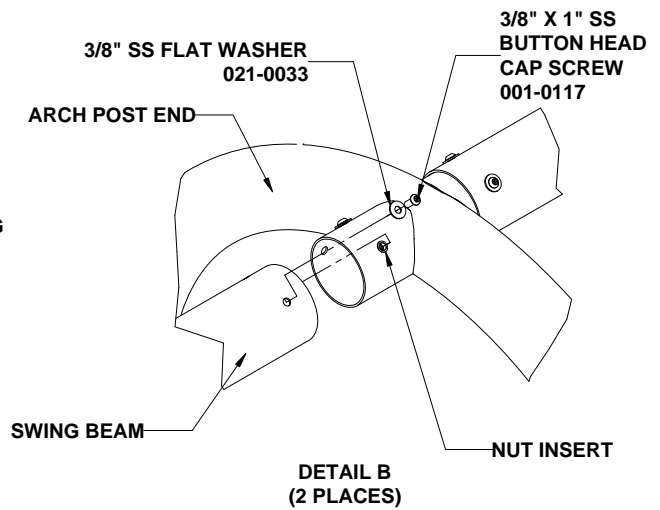
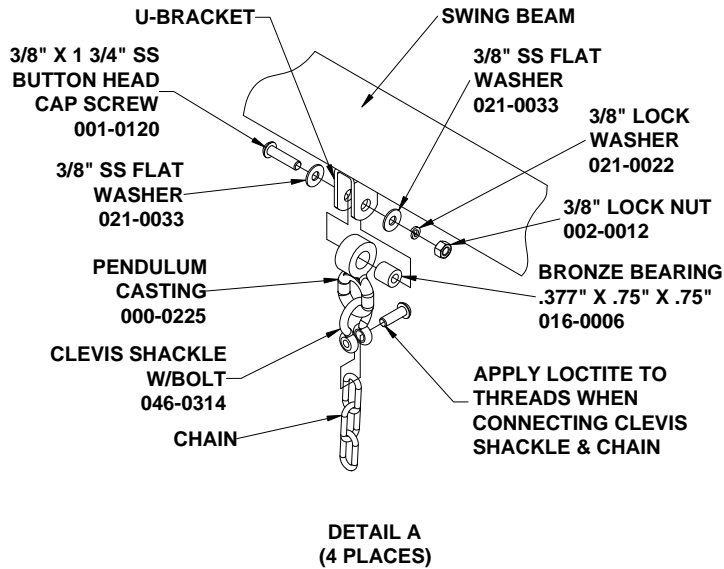
LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

**SHIPPING WEIGHT: 367 LBS.**

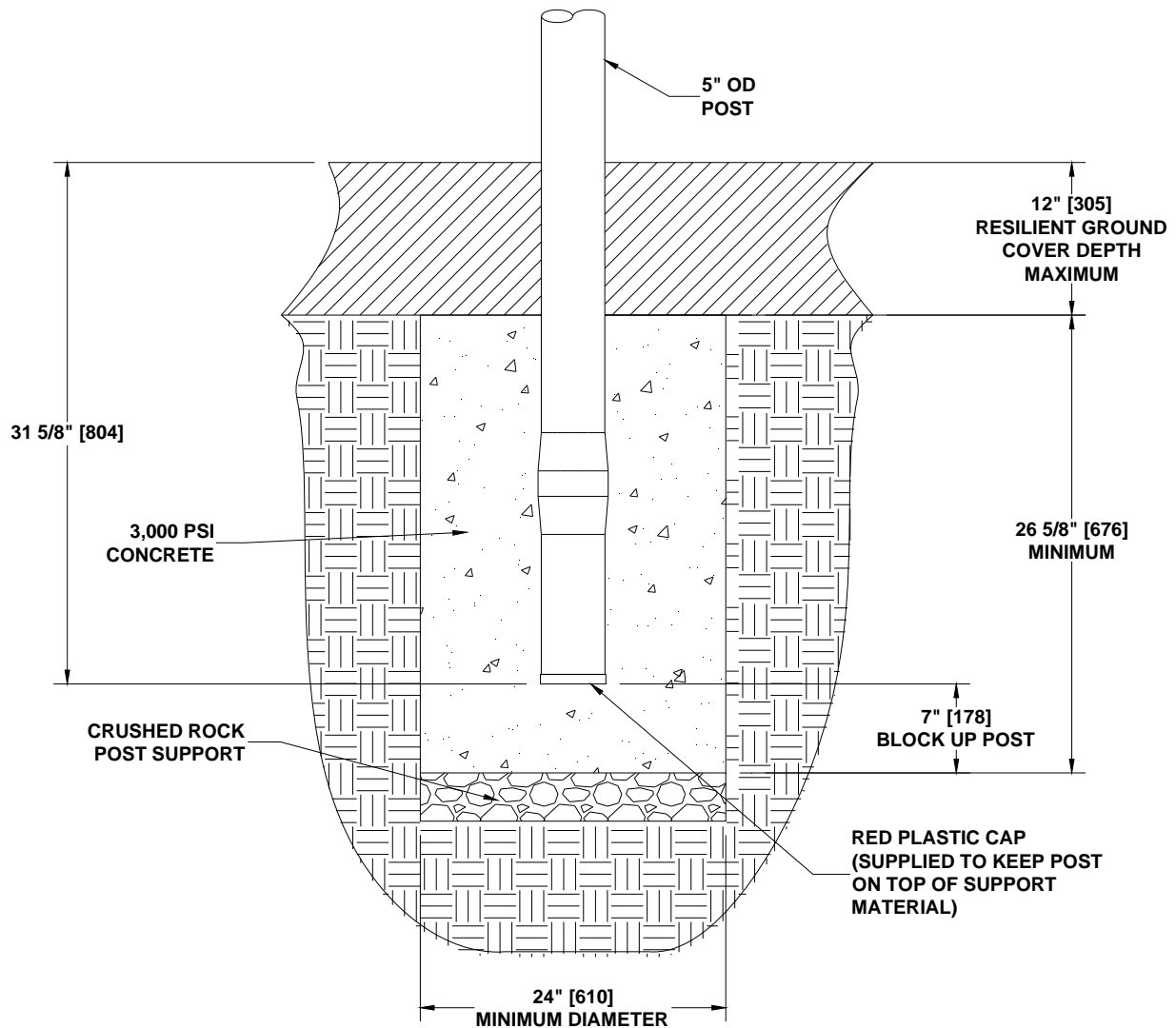
## INSTALLATION INSTRUCTIONS

1. Determine 5" OD post locations per dimensions shown.
2. Dig footing holes. See typical concrete footing drawing for 5" OD posts, which is located in the preface of the installation manual.
3. Attach 5" OD x 130" SWING BEAM to both ARCH POST, END 5" OD SWING by sleeving the swing beam over arch post stub and fasten using 3/8" X 1" SS button head cap screws. Tighten hardware. See DETAIL B.
4. Position frame into footing holes. Block up, plumb, and level frame.
5. Pour concrete and allow it to set for 2 to 3 days.
6. Insert BRONZE BEARING .377" X .75" X .75" into PENDULUMS and attach to swing beam as shown in DETAIL A. Tighten hardware.
7. Attach swing chain to pendulum using CLEVIS SHACKLE W/ BOLT. Tighten hardware. See DETAIL A.
8. **INSTALL RESILIENT SURFACING MATERIAL.**

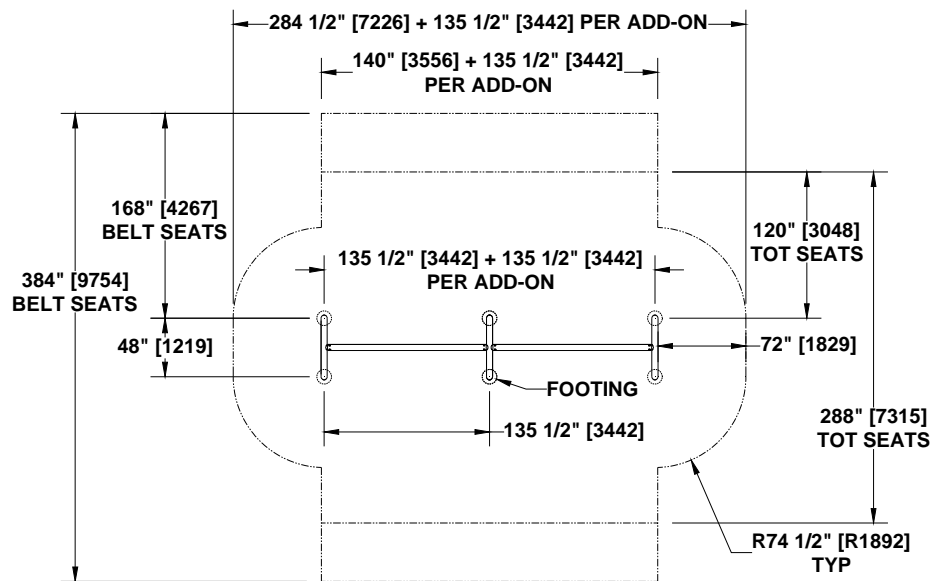




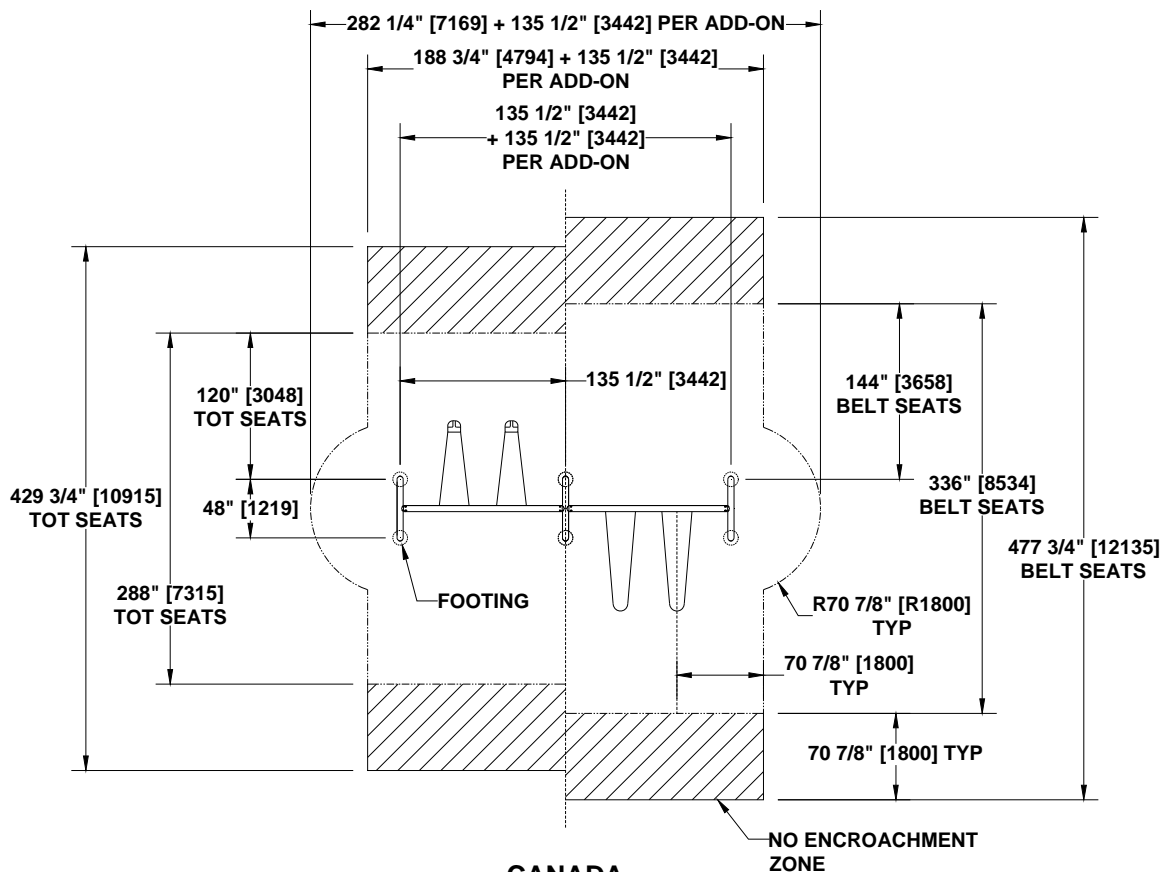
## 550-0136 5" OD ARCH SWING ADD-ON



## 550-0136 5" OD ARCH SWING ADD-ON



**USA**  
USE ZONE PER ASTM/CPSC STANDARDS



**CANADA**  
PROTECTIVE SURFACING ZONE PER CSA STANDARDS

**550-0136**  
**5" OD ARCH SWING ADD-ON**

## PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0225	PENDULUM CASTING	4
016-0006	BRONZE BEARING .377" X .75" X .75"	4
030-1835	SWING BEAM, 5" OD X 130"	1
030-1981	ARCH POST, ADD-ON 5" OD SWING	1
036-0227	HARDWARE PACKAGE	1
036-0788	HARDWARE PACKAGE	2
036-1414	HARDWARE PACKAGE	1
046-2197	LOCTITE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

PENDULUM CASTING: Galvanize plated, grade 32510, malleable iron

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

SWING BEAM, 5" OD X 130": One piece all welded construction consisting of 5" OD x 11 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.

ARCH POST, ADD-ON 5" OD SWING: One piece all welded construction consisting of 5" OD x 11 GA & 3/8" Schedule 40 galvanized steel pipe and 4 1/2" OD x 11 GA steel tubing w/cadmium and yellow chromate plating, and an assembly of 3/8" nut inserts. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

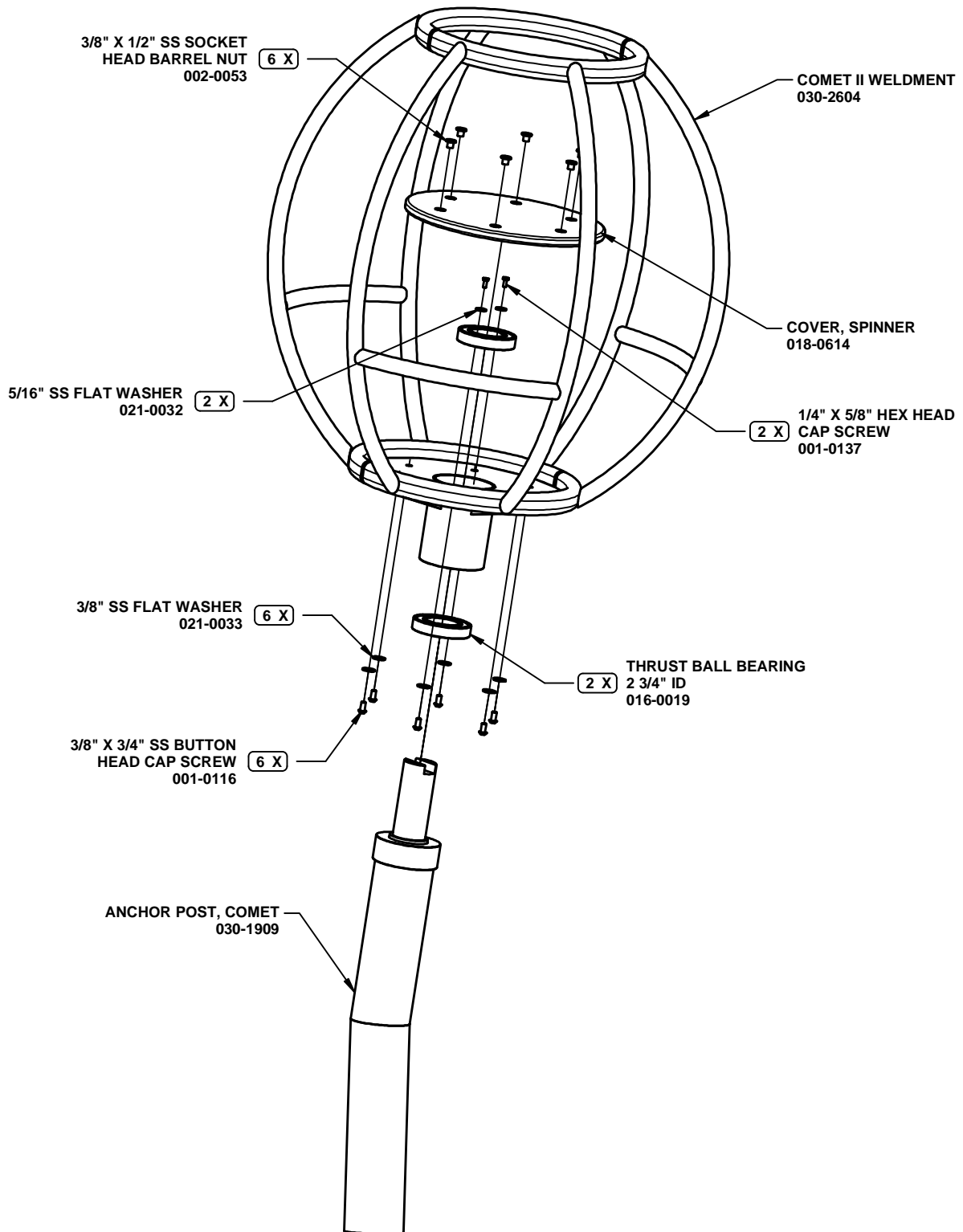
HARDWARE PACKAGE: Stainless steel washers & screws and zinc plated steel lock nuts & washers.

LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

**SHIPPING WEIGHT: 224 LBS.**

## INSTALLATION INSTRUCTIONS

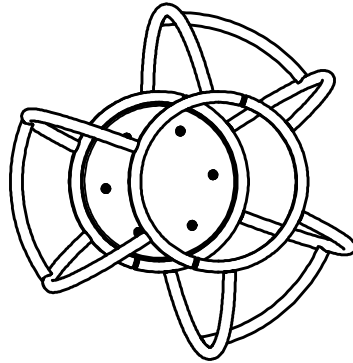
1. Determine 5" OD post locations per dimensions shown.
2. Dig footing holes. See typical concrete footing drawing for 5" OD posts, which is located in the preface of the installation manual.
3. Attach 5" OD x 130" SWING BEAM to arch post end and ARCH POST, ADD-ON 5" SWING 8' by sleeving the swing beam over arch post and fasten using 3/8" X 1" SS button head cap screws. Tighten the hardware. See DETAIL B.
4. Position frame into footing holes. Block up, plumb, and level frame.
5. Pour concrete and allow it to set for 2 to 3 days.
6. Insert BRONZE BEARING .377" X .75" X .75" into PENDULUMS and attach to swing beam as shown in DETAIL A. Tighten hardware.
7. Attach swing chain to pendulum using CLEVIS SHACKLE W/ BOLT. Tighten hardware. See DETAIL A.
8. **INSTALL RESILIENT SURFACING MATERIAL.**



EXPLODED ASSEMBLY VIEW

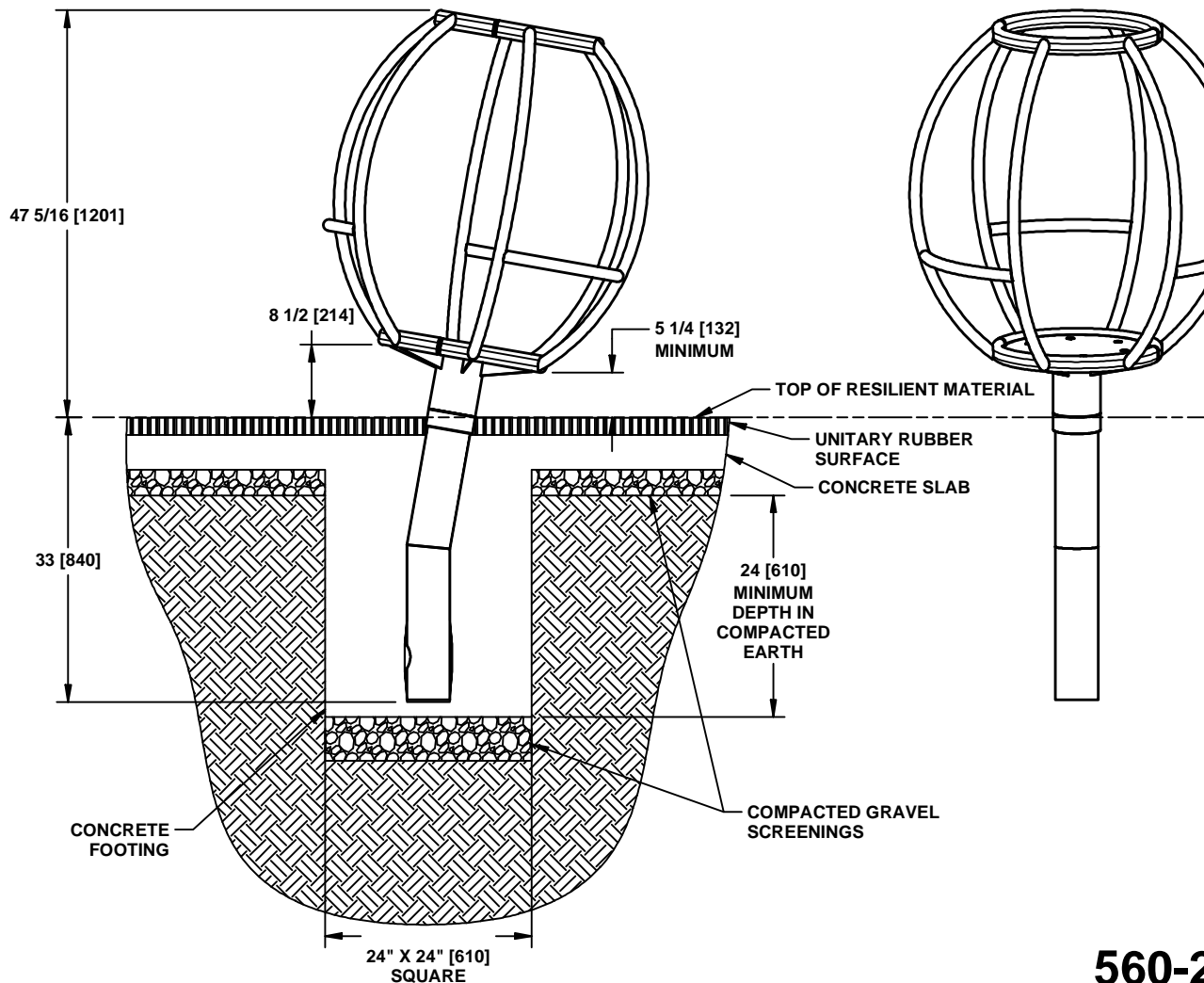
**560-2589**  
**COMET II**

**\*THIS PAGE SHOULD BE USED WHEN UNITARY RUBBER SURFACING IS BEING USED FOR RESILIENT MATERIAL.**

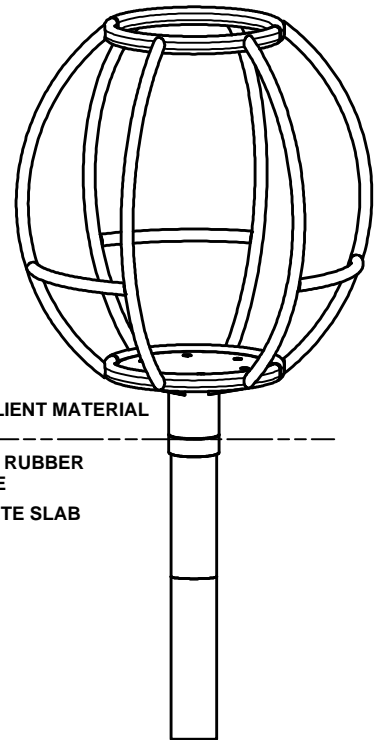


TOP VIEW

SIDE VIEW

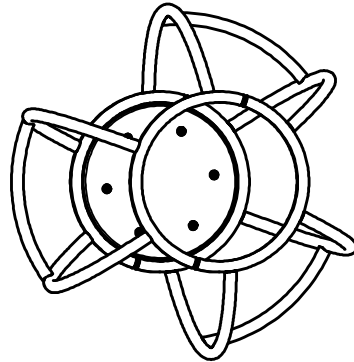


FRONT VIEW



**560-2589**  
**COMET II**

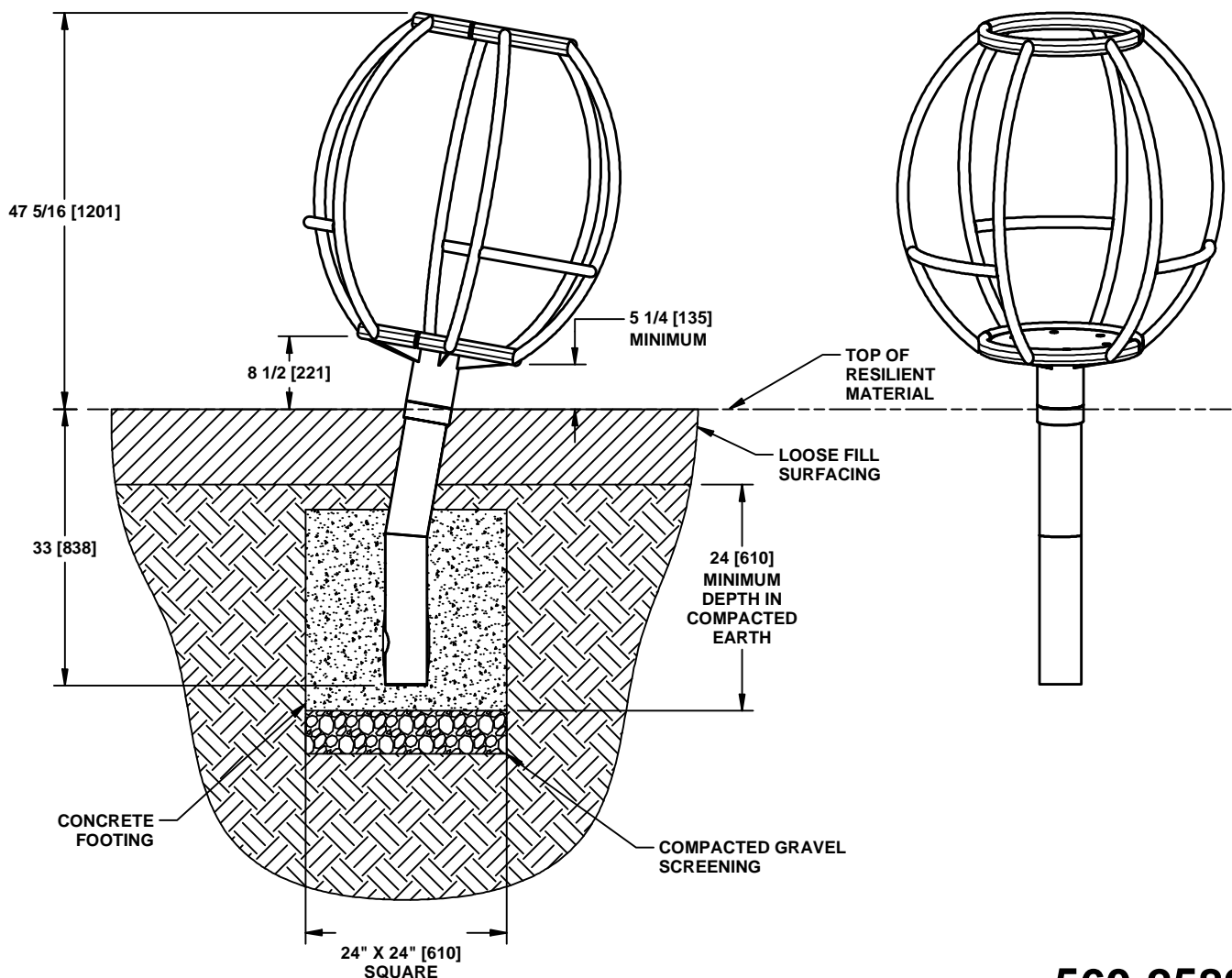
**\*THIS PAGE SHOULD BE USED WHEN LOOSE FILL MATERIAL IS BEING USED FOR RESILIENT MATERIAL.**



TOP VIEW

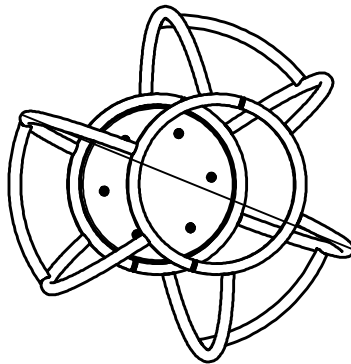
SIDE VIEW

FRONT VIEW



**560-2589**  
**COMET II**

16'  
USE ZONE



TOP VIEW

**560-2589**  
**COMET II**



## PARTS LIST

PART NO.	DESCRIPTION	QTY
016-0019	THRUST BALL BEARING 2 3/4" ID	2
018-0614	COVER, SPINNER	1
030-1909	ANCHOR POST, COMET	1
030-2604	COMET II WELDMENT	1
036-0877	HARDWARE PACKAGE	1
036-1015	HARDWARE PACKAGE	1
036-1470	HARDWARE PACKAGE	1

**NOTE:** Hardware package(s) may include extra hardware that is not necessary for this installation.

## SPECIFICATIONS

THRUST BALL BEARING 2 3/4" ID: Heavy duty, precision thrust, sealed ball bearing.

COVER, SPINNER: 3/4" extruded HDPE.

ANCHOR POST, COMET: One piece all welded construction consisting of 5 1/2" dia. steel housing with 2 3/4" dia. shaft, 1/4" & 7 GA HR steel plate and gussets. Finished with a baked on powder coating.

COMET II WELDMENT: One piece all welded construction consisting of formed 2 3/8" OD x 10 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel button head cap screws, washers and barrel nuts.

HARDWARE PACKAGE: Zinc plated steel.

**SHIPPING WEIGHT: 146.7 LBS.**

## INSTALLATION INSTRUCTIONS

**NOTE:** Do not tighten hardware until instructed to do so.

1. Determine correct footing location for COMET II to be installed.
2. Dig footing hole per dimensions shown in SIDE VIEW. **NOTE:** Hole size and depth may vary depending on local soil, weather conditions and type of resilient material. There is a minimum 24" depth of footing in compacted earth, so the overall height of the footing will be greater than 24" and will be based on the type of surfacing and sub-surfacing used.
3. Apply a liberal amount of grease to the spinning Comet weldment housing and the Comet anchor post shaft.
4. Tap one THRUST BEARING onto COMET ANCHOR POST SHAFT and the other into the COMET II WELDMENT hub housing using a block of wood and a hammer. Then slide COMET II WELDMENT hub and bearing onto shaft of the COMET ANCHOR POST and secure with (2) 1/4" x 5/8" HEX HEAD CAP SCREW and 5/16" SS FLAT WASHER. Make sure both bearings are completely seated. See EXPLODED ASSEMBLY VIEW.
5. Attach SPINNER COVER to bottom plate of COMET II WELDMENT using hardware specified in EXPLODED ASSEMBLY VIEW.
6. Block-up and level. Tighten all hardware.
7. Pour concrete and allow to set for 2-3 days.
8. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



SERIES LINE:

GRO UP:  
Structure | Freestanding  
DESIGNED FOR AGES:

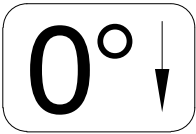
Meadowood Park  
Madison, WI 53711



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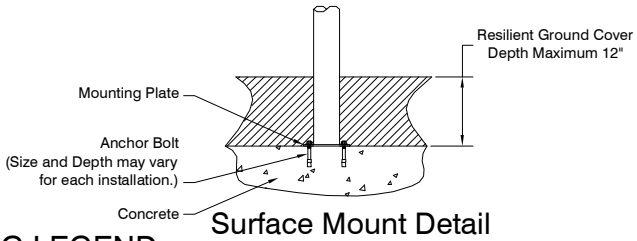
Designer: Brandy Janke



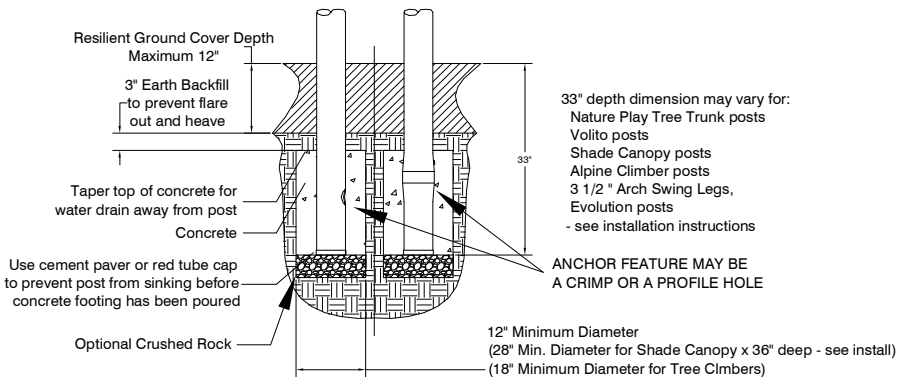
- A1** Support Post Identifier & Footing
- NP1** Nature Play Tree House Post Identifier
- Component Footing

### FOOTING LEGEND

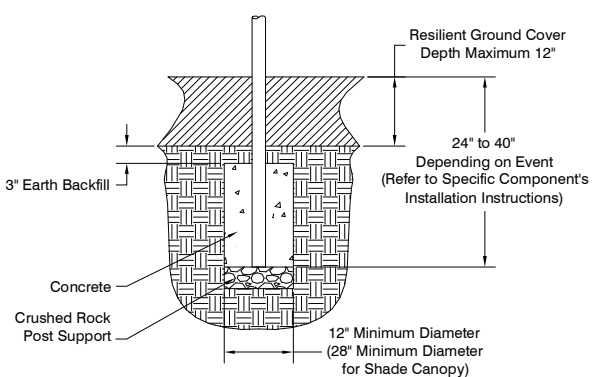
NOTES:  
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2.) Assemble, plumb, and level equipment before pouring concrete.  
3.) Dimensions are rounded to nearest whole inch.



Surface Mount Detail



Support Post Footing Detail



Component Footing Detail

SERIES LINE:

GRO UP:  
Structure

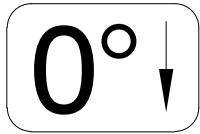
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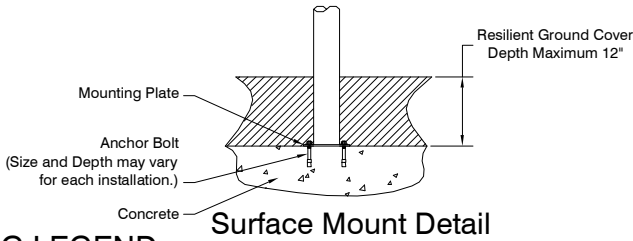
05/16/2024  
Lee Recreation, LLC  
142-185602-1  
Designer: Brandy Janke



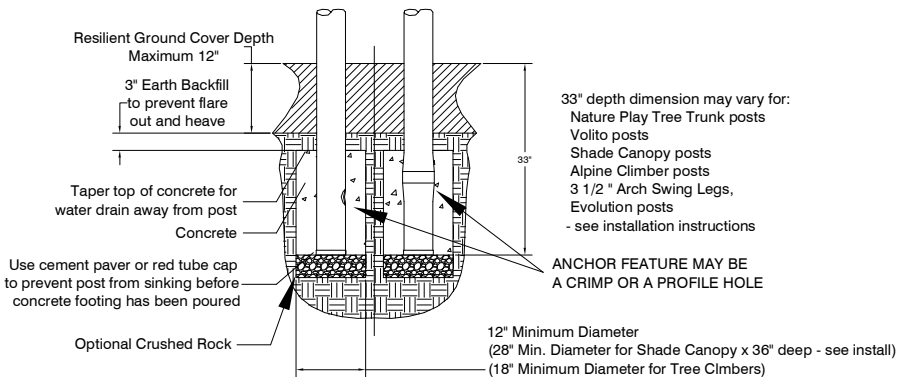
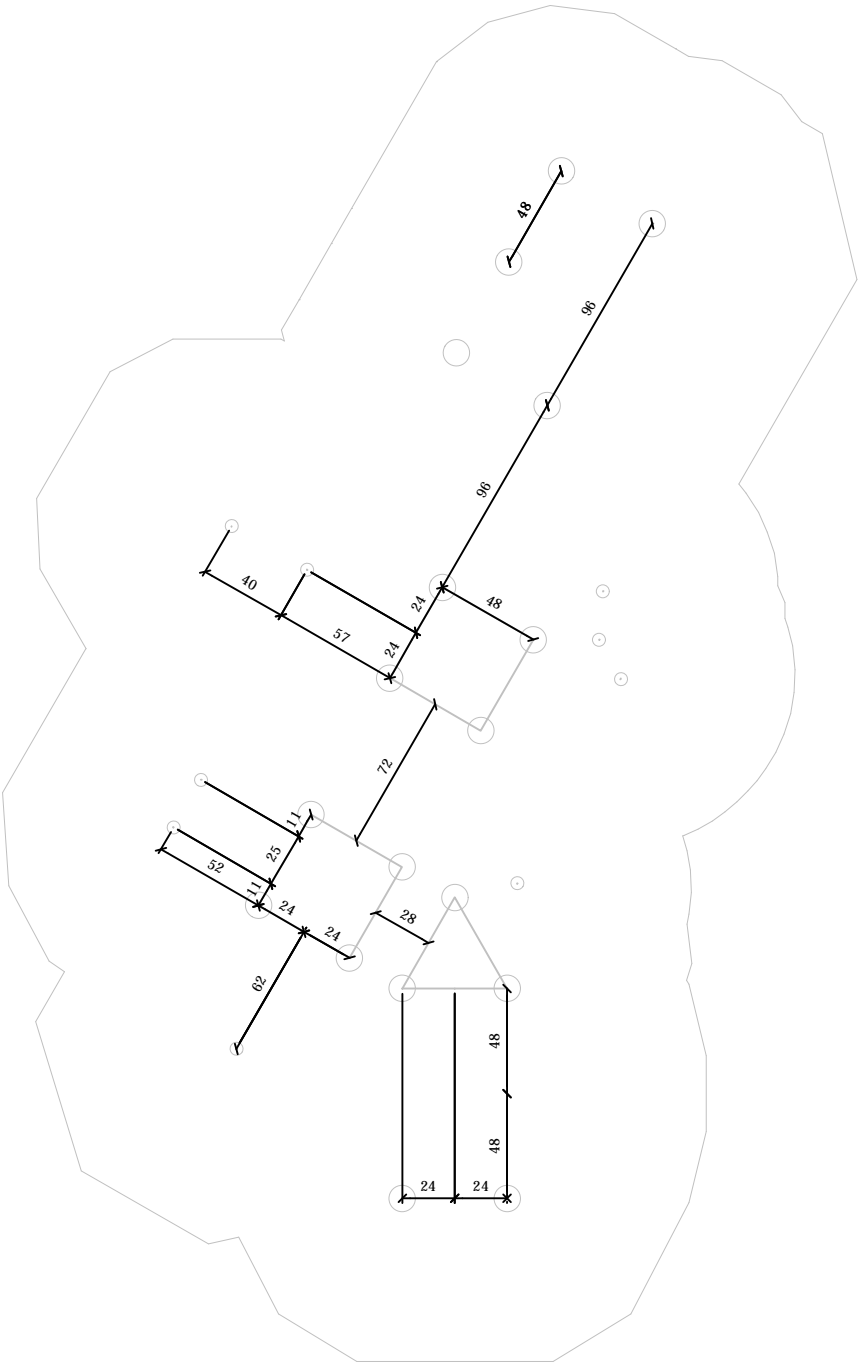
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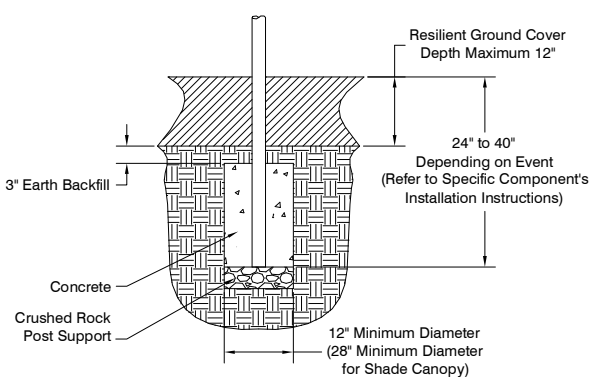
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Surface Mount Detail



Support Post Footing Detail



Component Footing Detail

SERIES LINE:

GRO UP:  
Freestanding

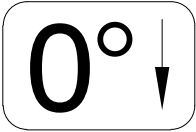
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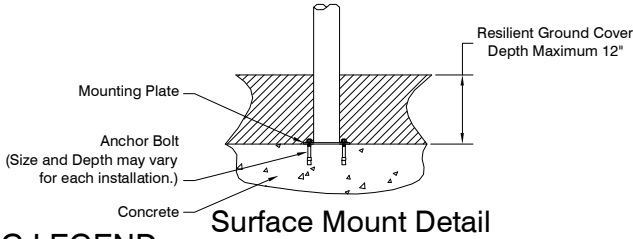
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Designer: Brandy Janke



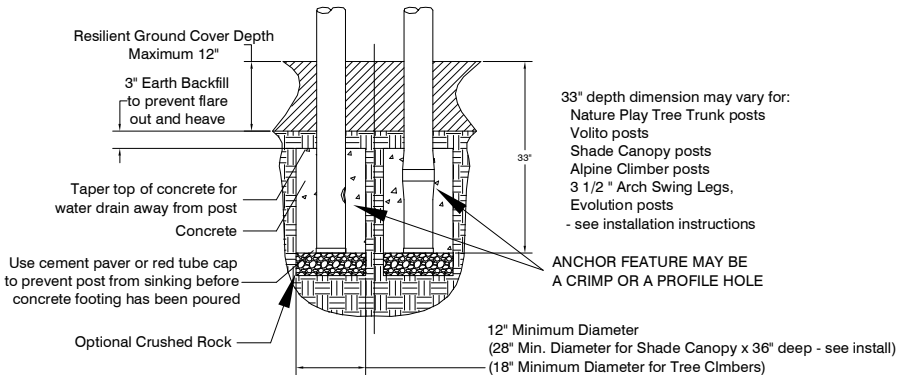
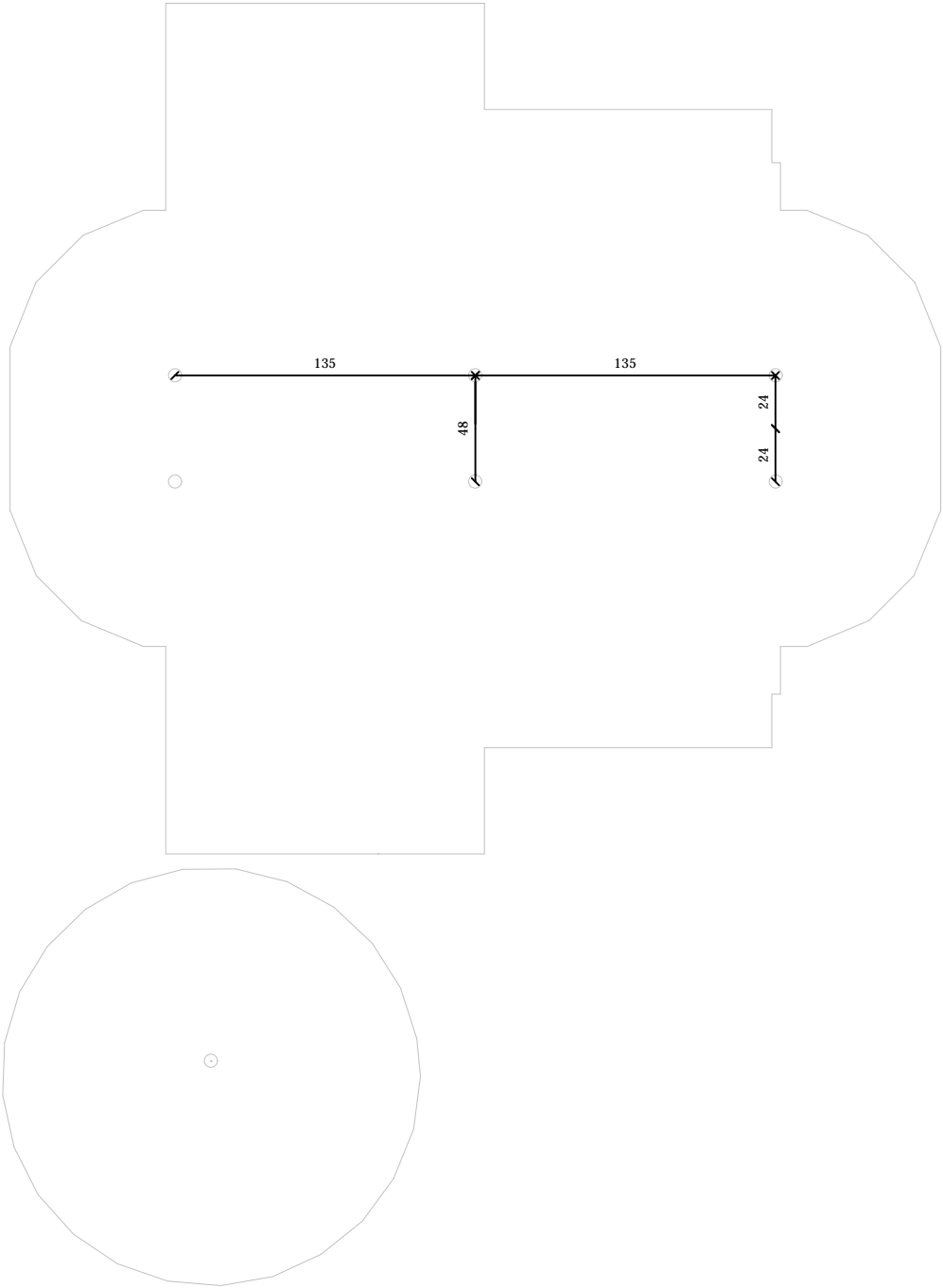
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FOOTING LEGEND

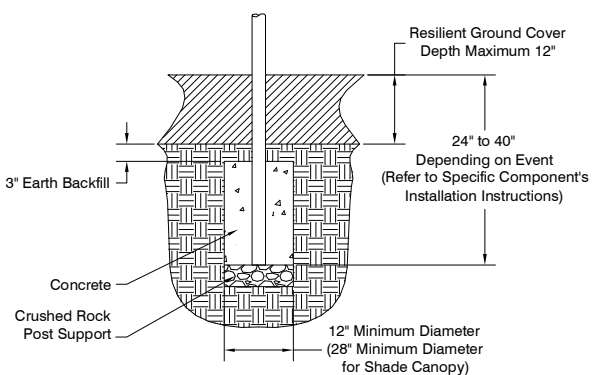
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Surface Mount Detail



Support Post Footing Detail



Component Footing Detail

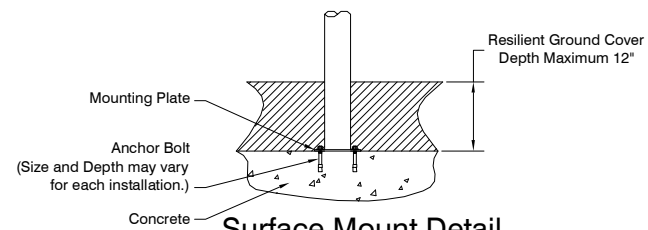
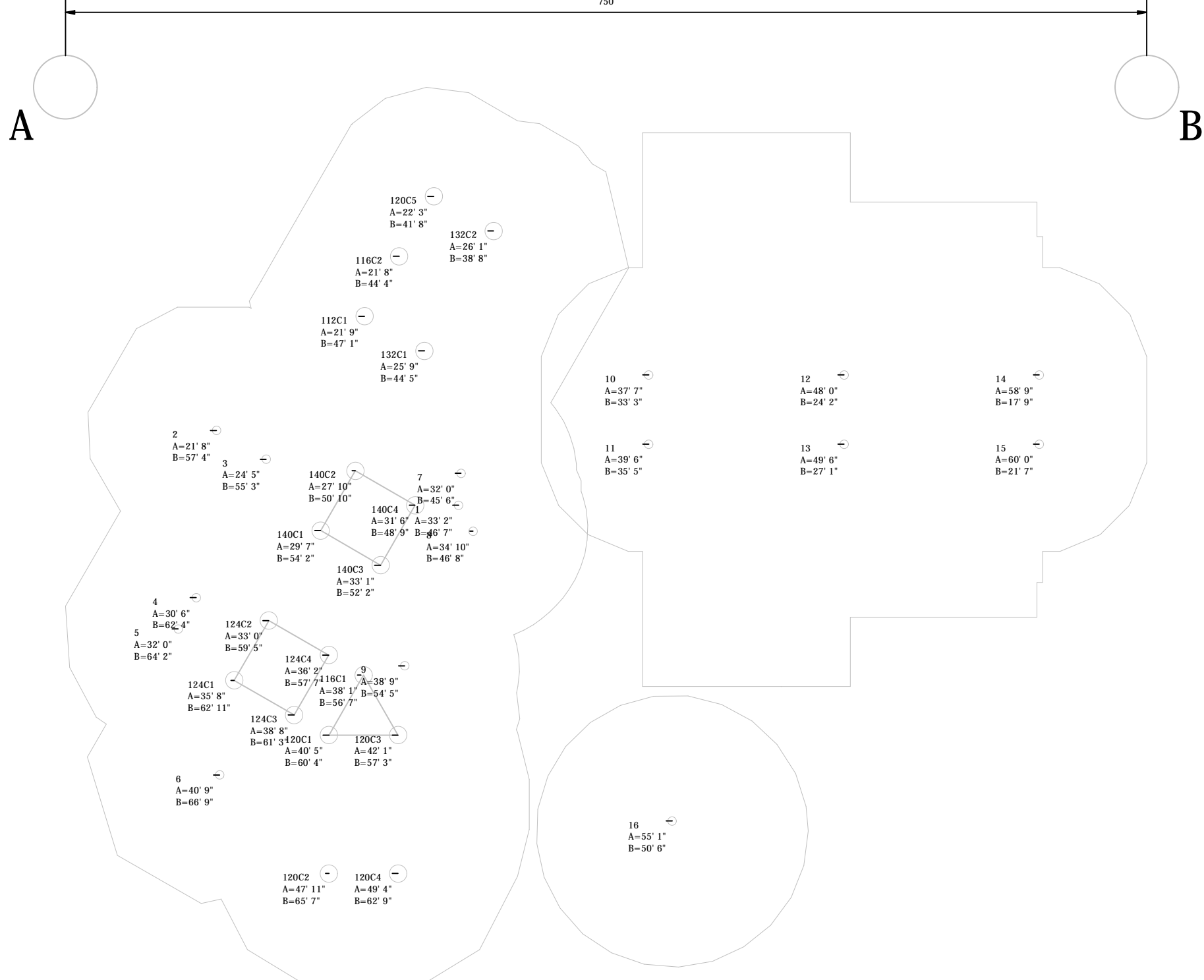
## Meadowood Park

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Designer: Brandy Janke

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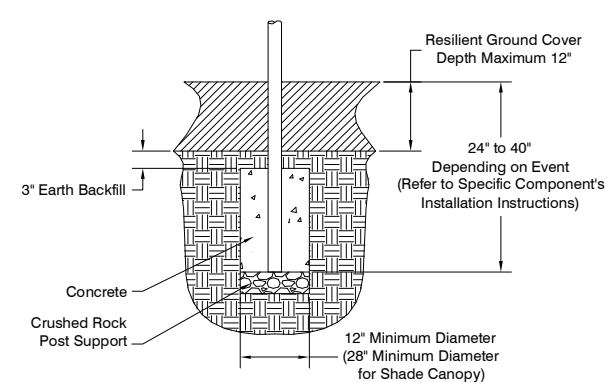
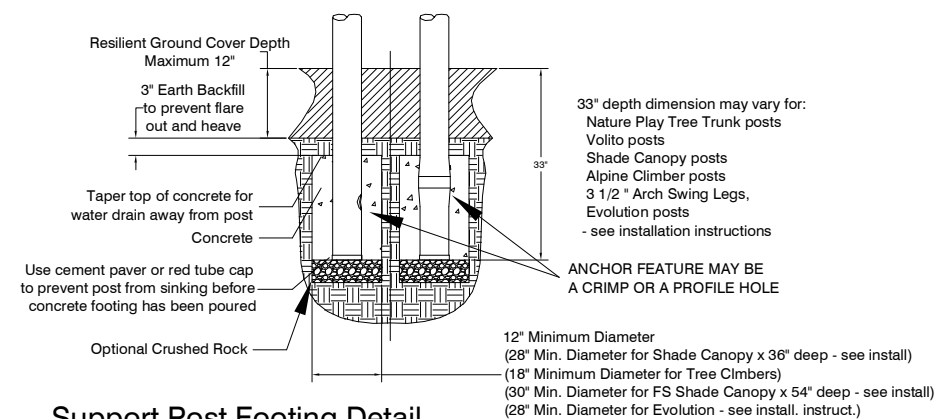


## FOOTING LEGEND

-  Support Post Identifier & Footing
-  Nature Play Tree House Post Identifier
-  Component Footing

NOTES:

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### Component Footing Detail

Structure	Medicon W153711	06/10/2021
	mcacuw0041an	

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Meadowood Park 05/16/2024

Madison, WI 53711

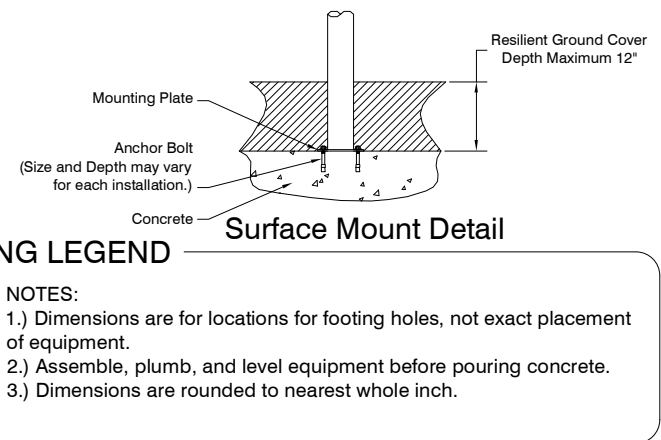
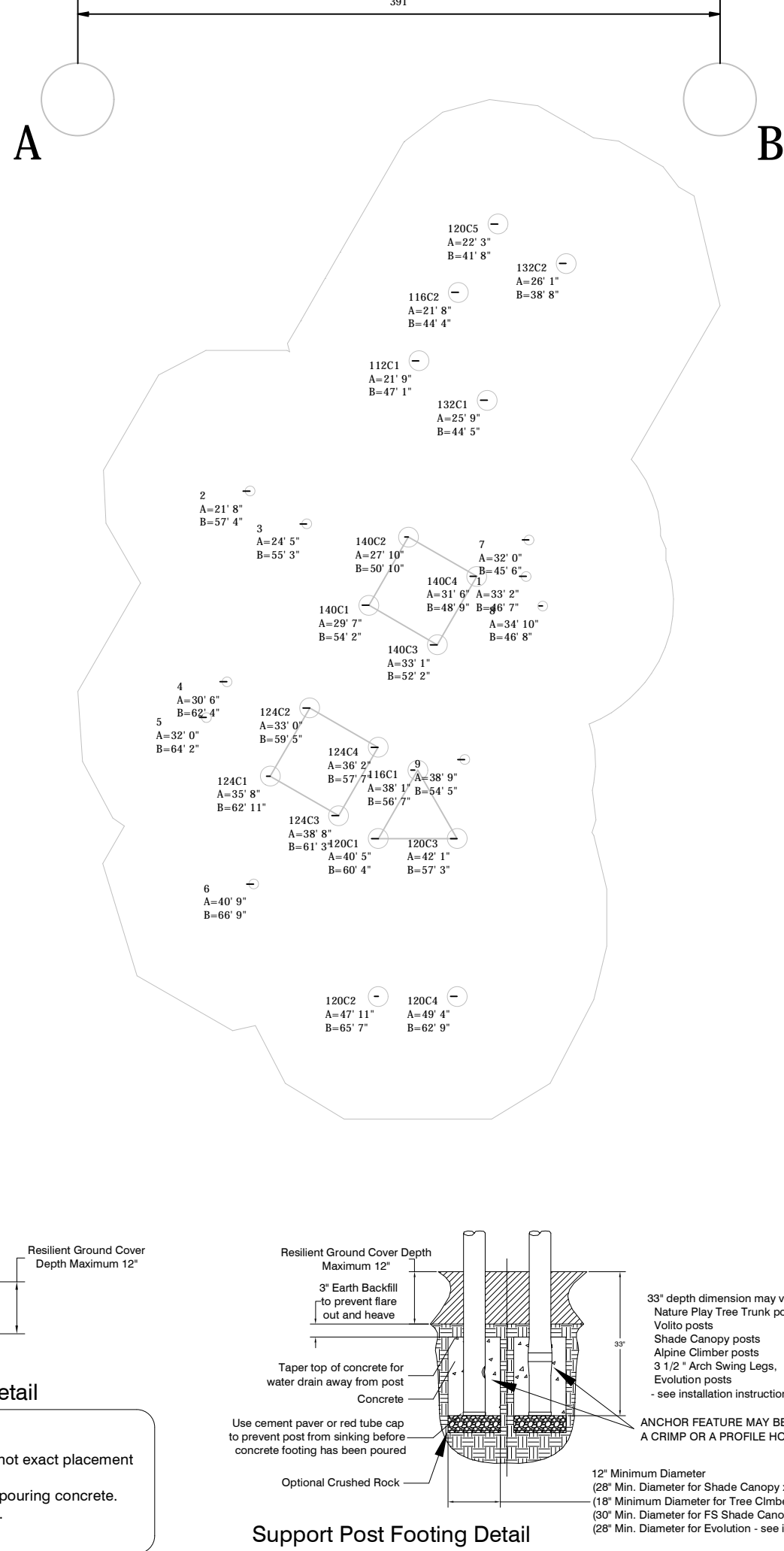
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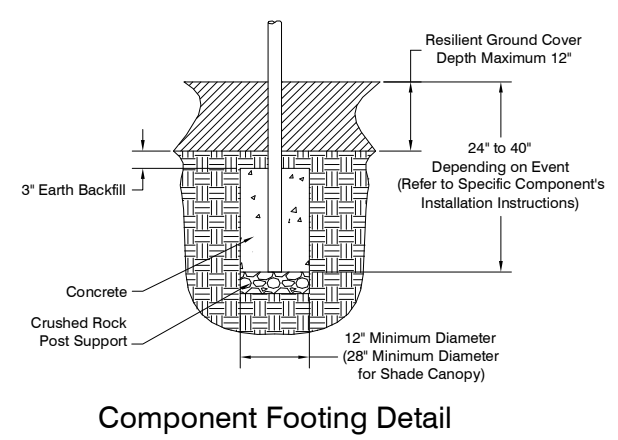
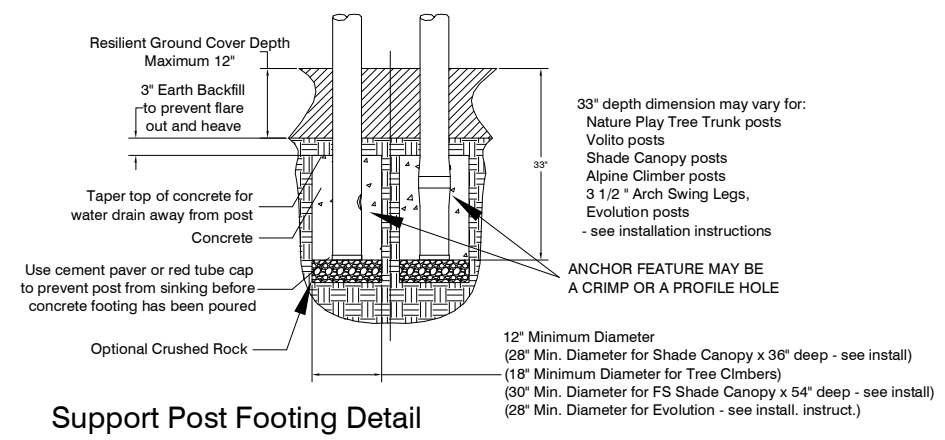
Designer: Brandy Janke



**FOOTING LEGEND**

g	NOTES:
Identifier	1.) Dimensions are of equipment.
	2.) Assemble, plum
	3.) Dimensions are

-  Support Post Identifier & Footing
-  Nature Play Tree House Post Identifier
-  Component Footing



### Component Footing Detail

SERIES LINE:

GRO UP:  
Freestanding

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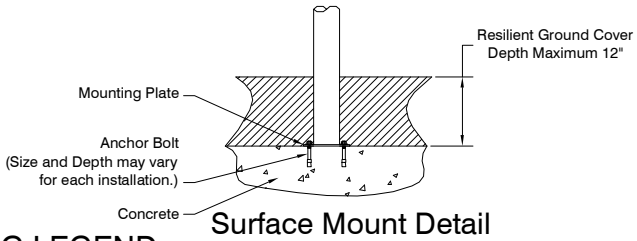
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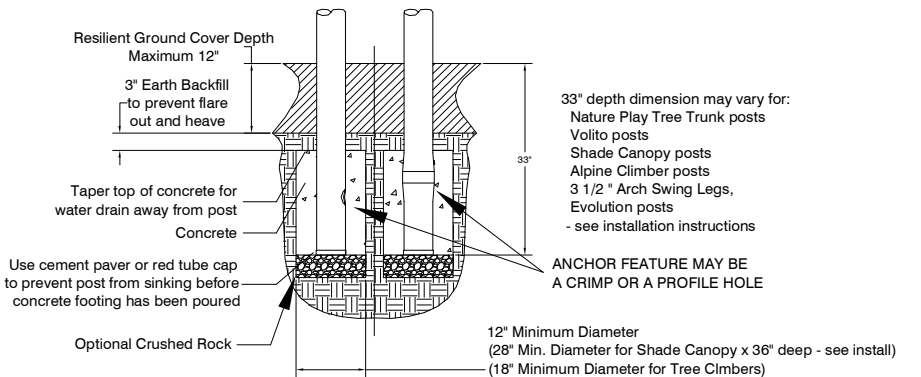
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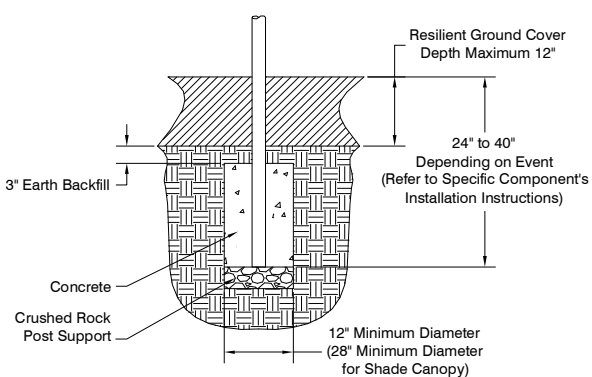
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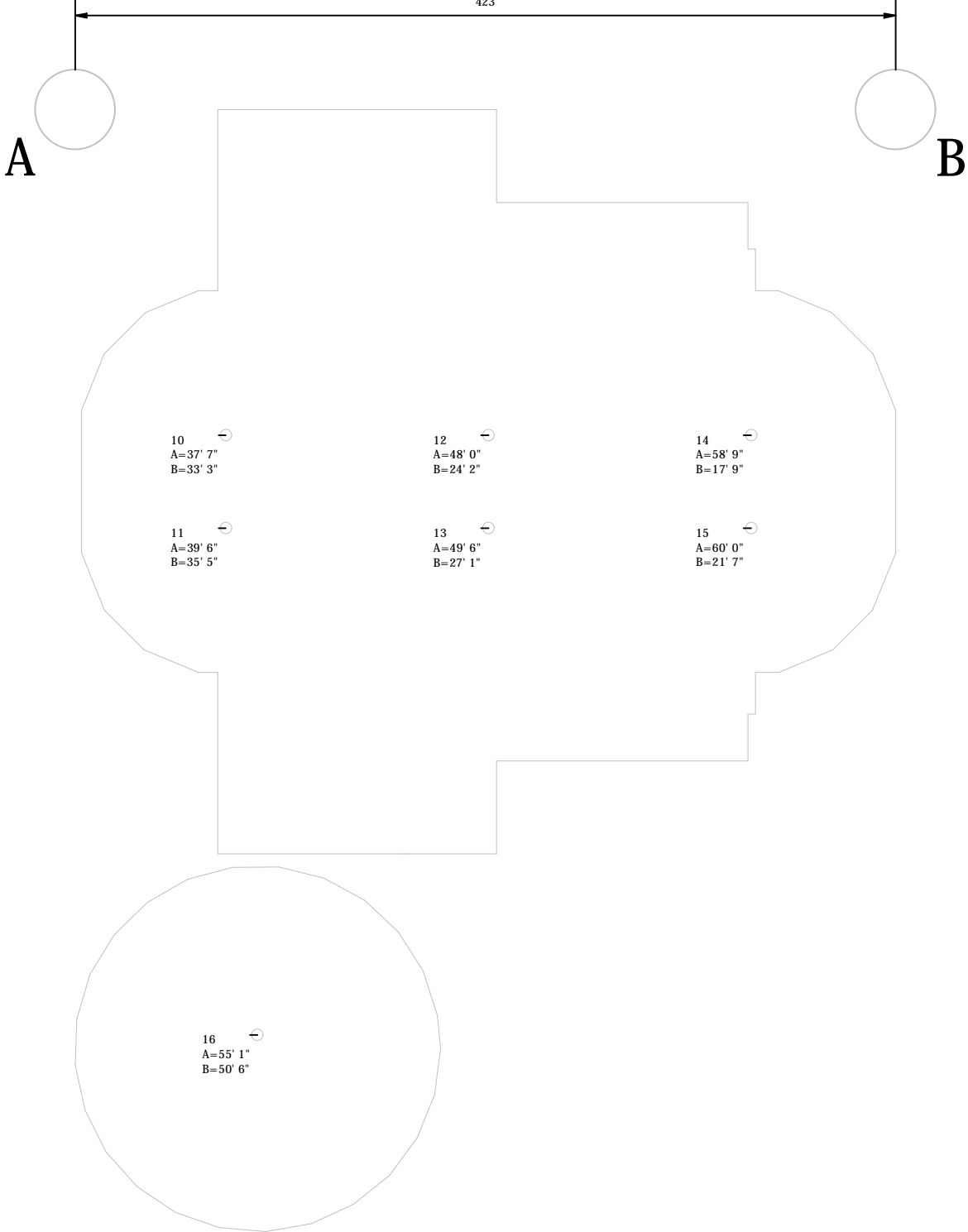
Surface Mount Detail



Support Post Footing Detail



Component Footing Detail





SERIES LINE:

GRO UP:  
Structure | Freestanding  
DESIGNED FOR AGES:

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Madison, WI 53711

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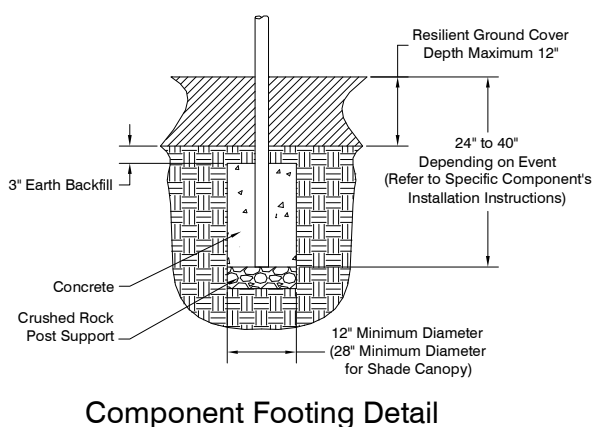
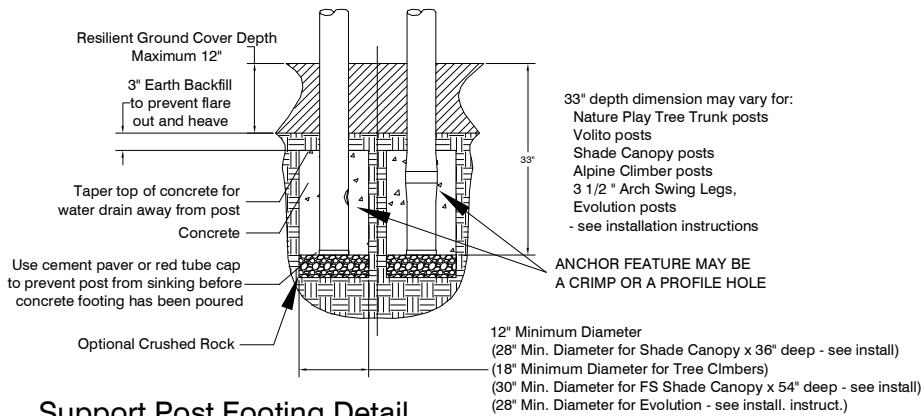
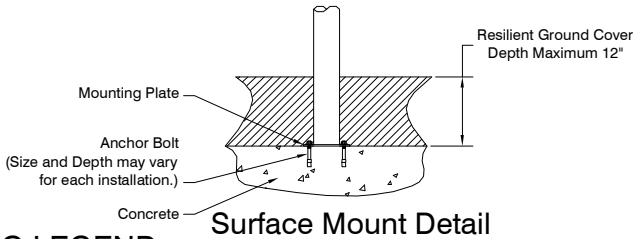
Designer: Brandy Janke



- A1** Support Post Identifier & Footing
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- Component Footing

### FOOTING LEGEND

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SERIES LINE:

GRO UP:  
Structure

DESIGNED FOR AGES:

Meadowood Park

Madison, WI 53711

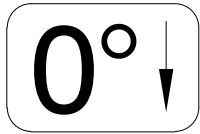
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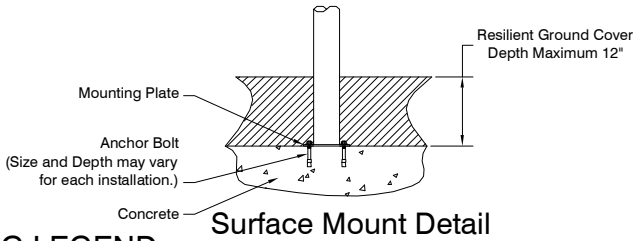
Designer: Brandy Janke



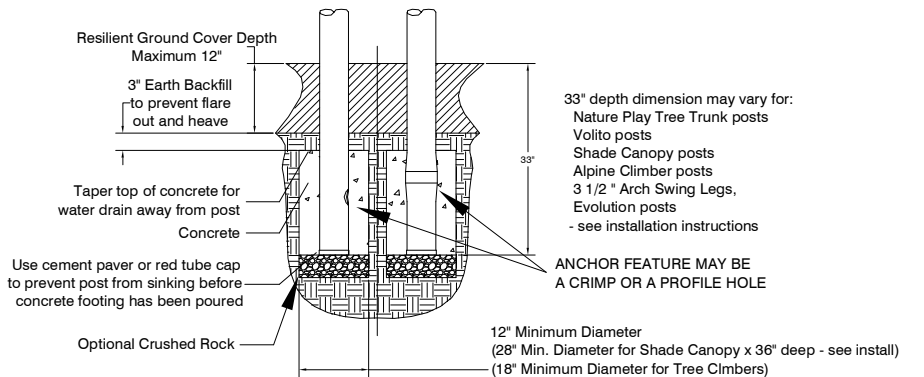
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### FOOTING LEGEND

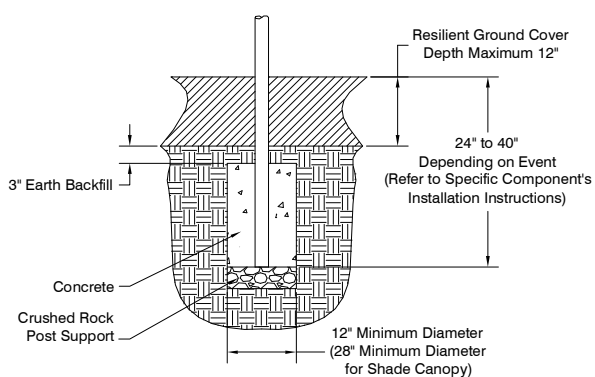
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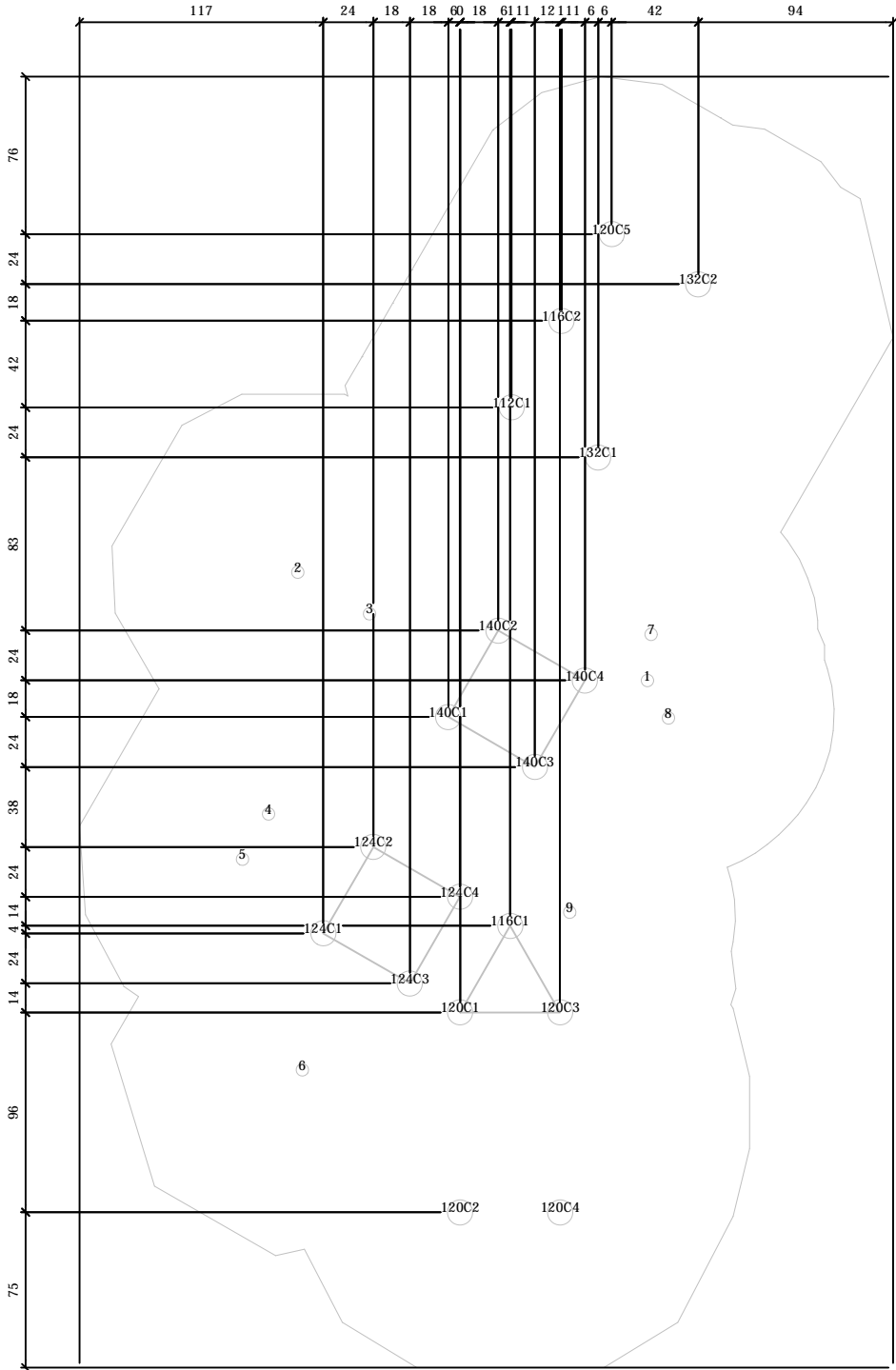
Surface Mount Detail



Support Post Footing Detail



Component Footing Detail



SERIES LINE:

GRO UP:  
Freestanding

DESIGNED FOR AGES:

Meadowood Park  
Madison, WI 53711



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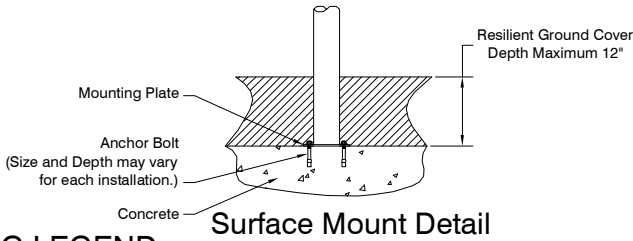
Designer: Brandy Janke



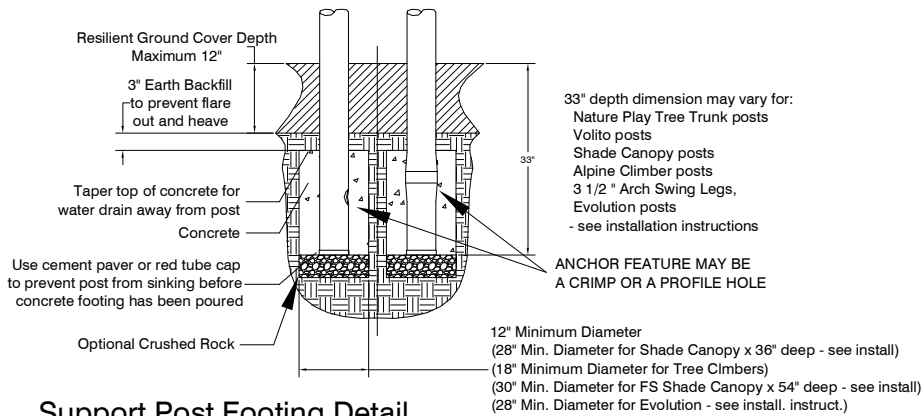
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- Component Footing

### FOOTING LEGEND

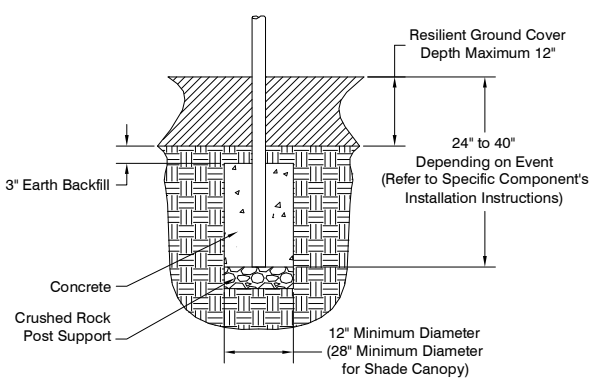
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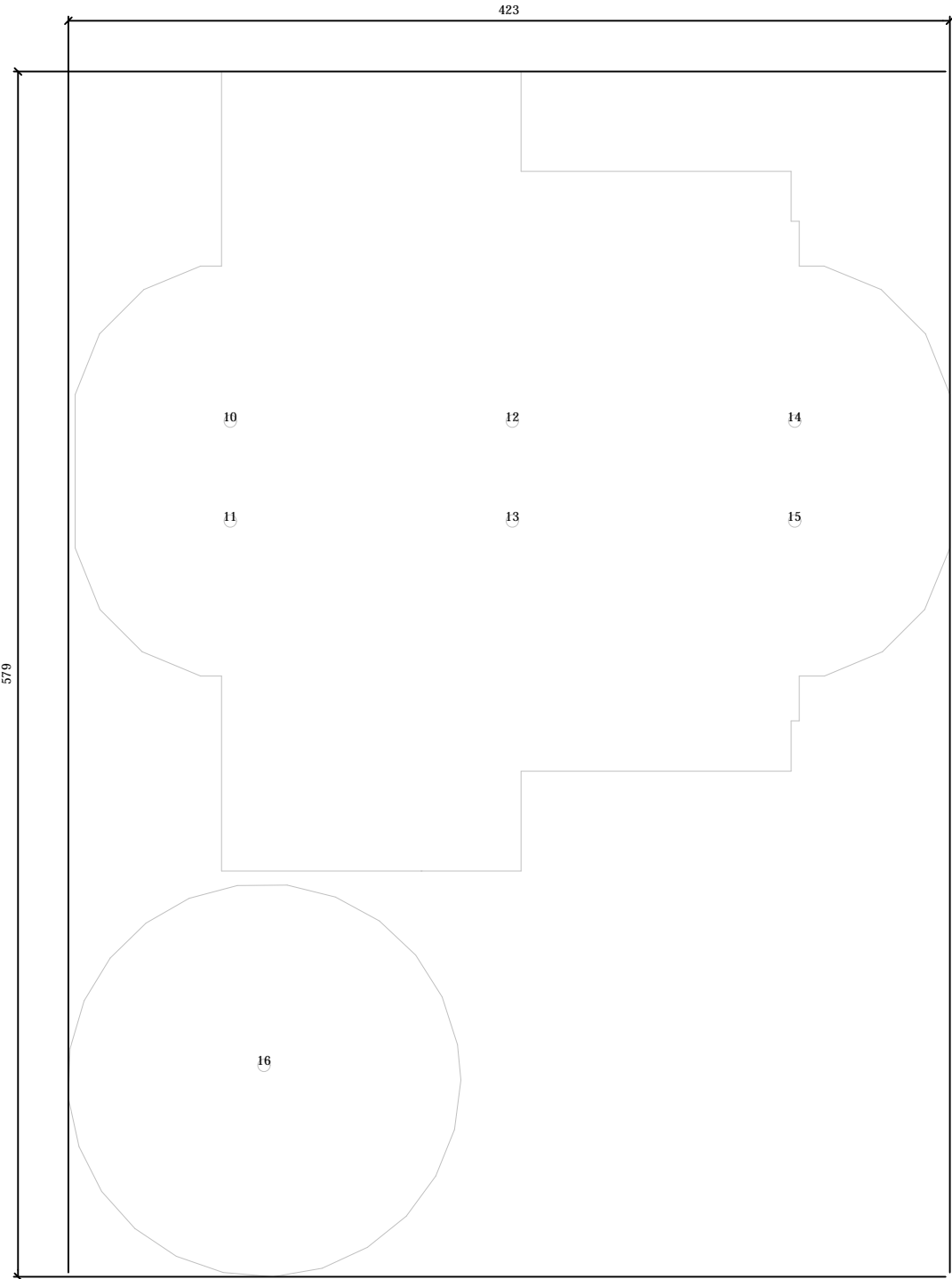
Surface Mount Detail



Support Post Footing Detail



Component Footing Detail





**SERIES LINE:**

GROUP:  
Structure

DESIGNED FOR AGES:

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Madison, WI 53711

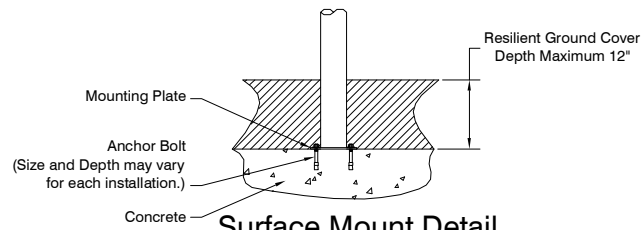
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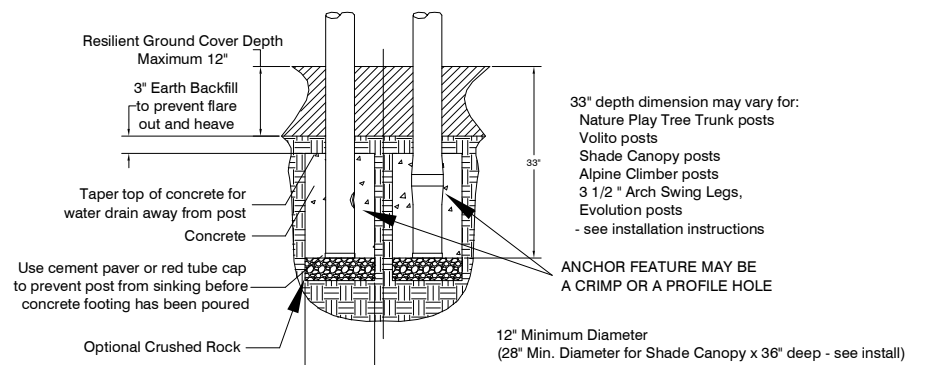


## FOOTING LEGEND

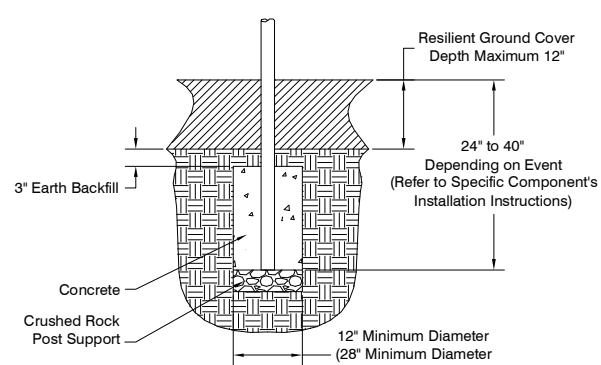
-  Support Post Identifier & Footing
-  Nature Play Tree House Post Identifier
-  Component Footing

NOTES:

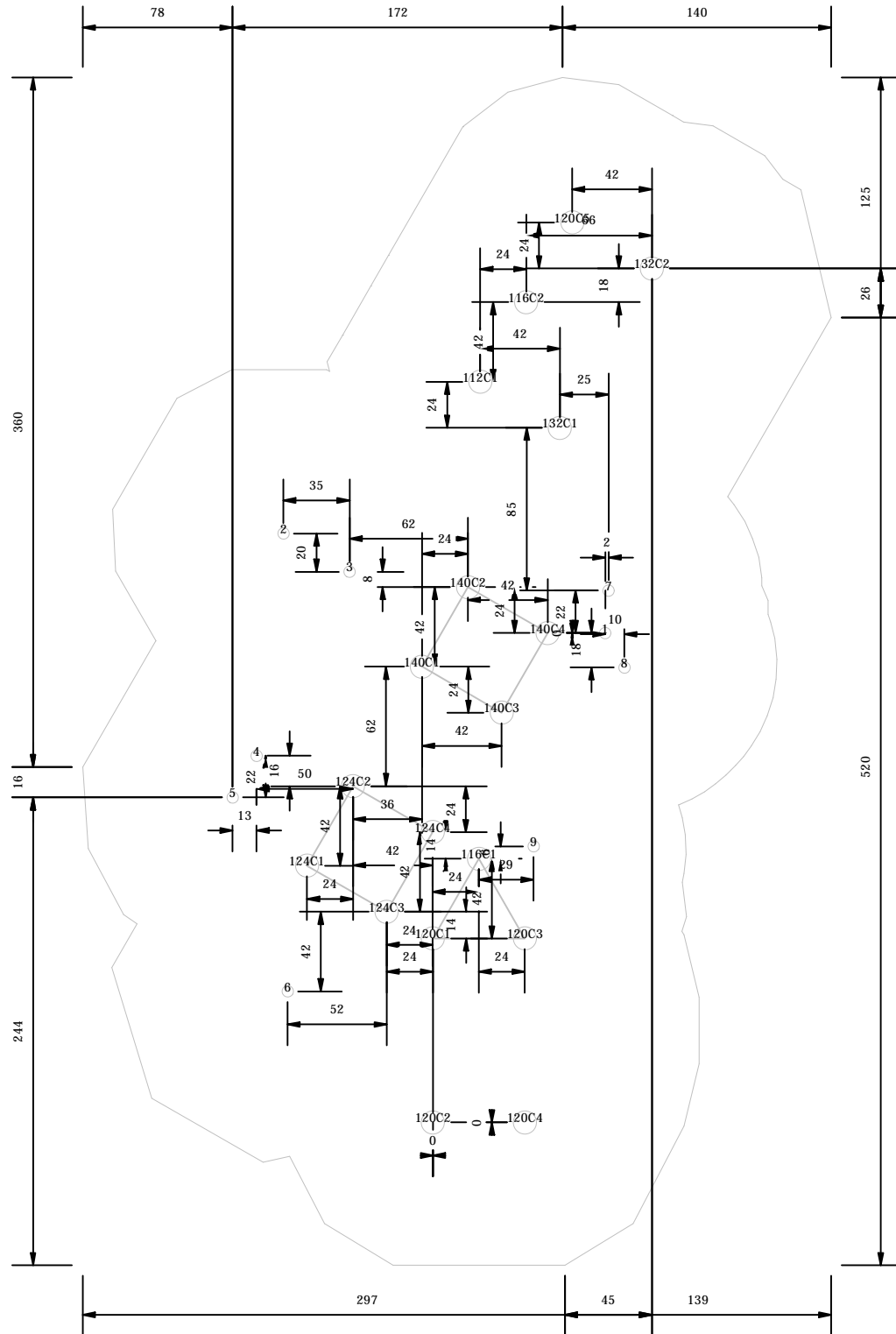
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### Support Post Footing Detail



### Component Footing Detail



SERIES LINE:

GRO UP:  
Freestanding

DESIGNED FOR AGES:

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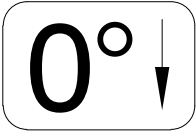
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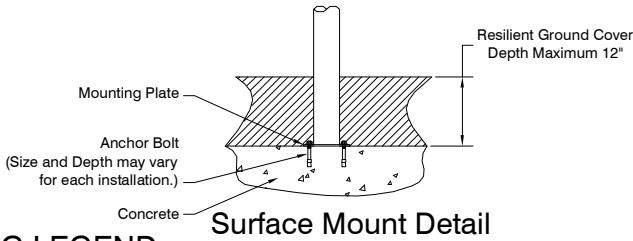
Designer: Brandy Janke



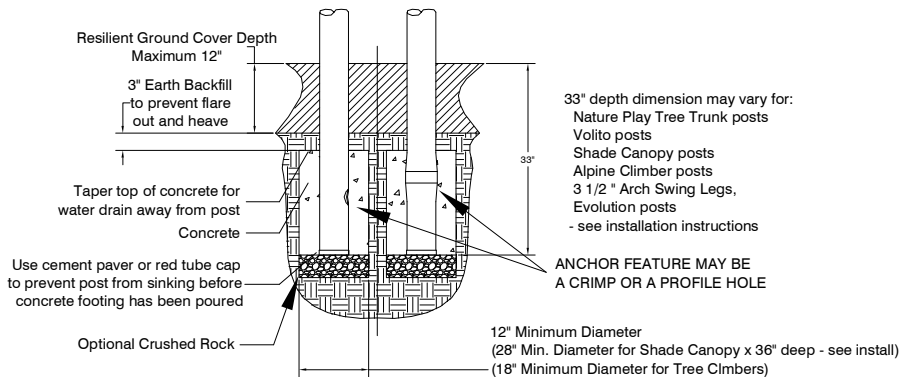
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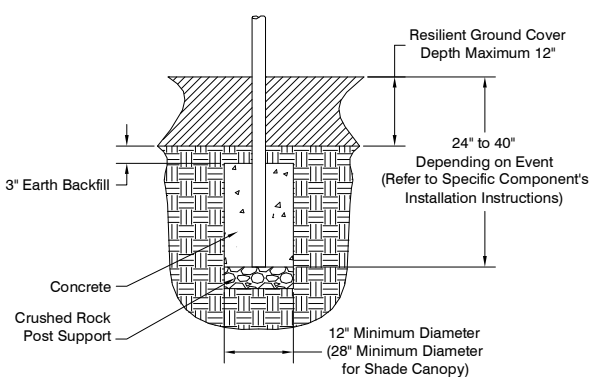
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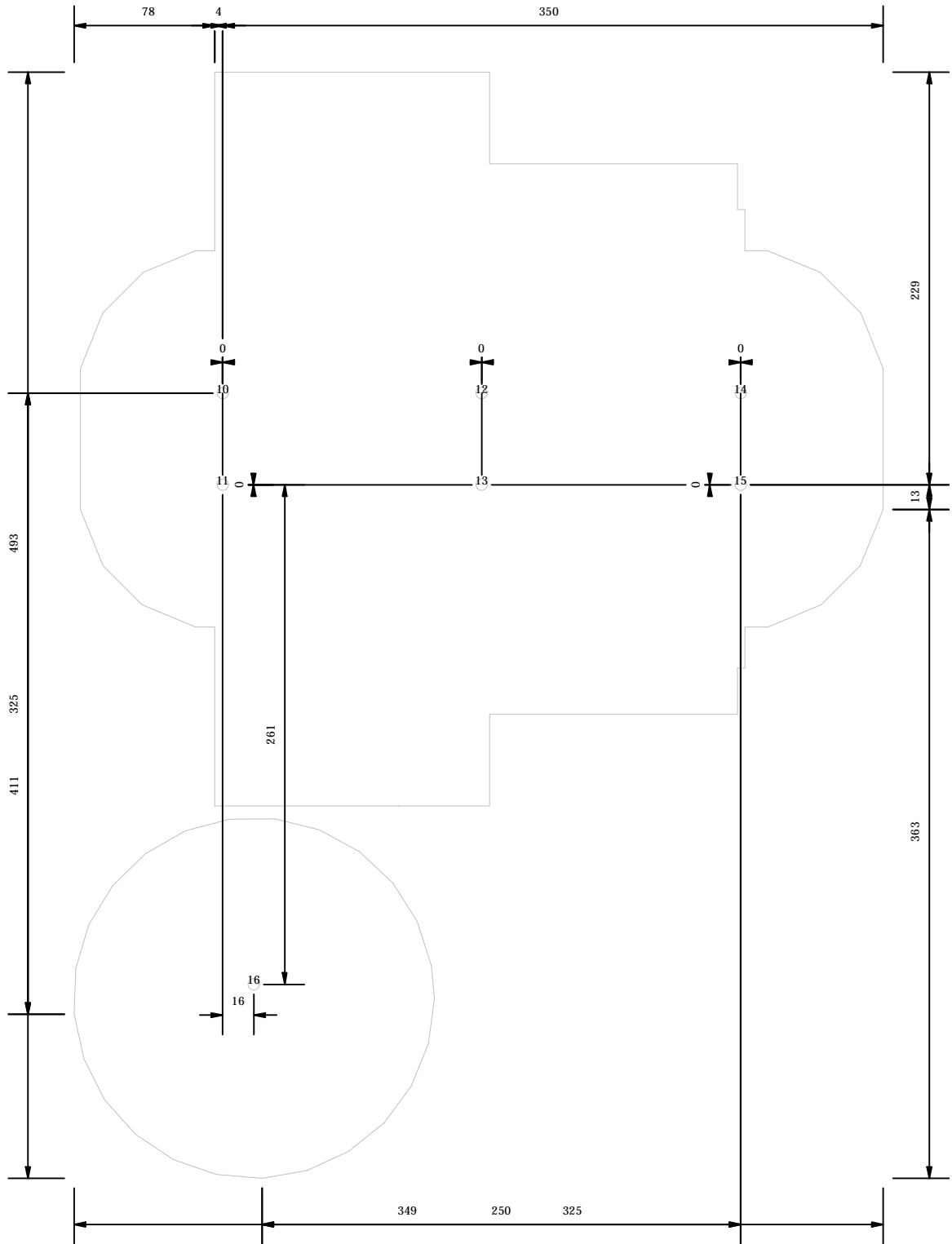
Surface Mount Detail



Support Post Footing Detail



Component Footing Detail



SERIES LINE:

GRO UP:  
Structure | Freestanding

DESIGNED FOR AGES:

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Designer: Brandy Janke

Type	Label	X	Y	Hyp/Diag
Post	112C1	-2' 11"	10' 11"	11' 4"
Post	116C1	-1' 0"	-9' 10"	10' 3"
Post	116C2	0' 11"	14' 5"	14' 5"
Post	120C1	-3' 0"	-13' 3"	14' 2"
Post	120C2	-3' 0"	-21' 3"	21' 10"
Post	120C3	1' 0"	-13' 3"	13' 4"
Post	120C4	1' 0"	-21' 3"	21' 4"
Post	120C5	1' 1"	17' 10"	17' 11"
Post	124C1	-10' 6"	-10' 1"	14' 7"
Post	124C2	-8' 6"	-6' 8"	10' 9"
Post	124C3	-7' 0"	-12' 1"	14' 0"
Post	124C4	-5' 0"	-8' 8"	10' 0"
Post	132C1	0' 6"	8' 11"	8' 11"
Post	132C2	4' 6"	15' 10"	16' 6"
Post	140C1	-5' 6"	-1' 6"	5' 8"
Post	140C2	-3' 6"	2' 0"	4' 0"
Post	140C3	-2' 0"	-3' 6"	4' 0"
Post	140C4	0' 0"	0' 0"	0' 0"
Non-Post	1	2' 6"	0' 0"	2' 6"
Non-Post	2	-11' 6"	4' 4"	12' 3"
Non-Post	3	-8' 7"	2' 8"	9' 0"
Non-Post	4	-12' 8"	-5' 4"	13' 9"
Non-Post	5	-13' 8"	-7' 2"	15' 6"
Non-Post	6	-11' 4"	-15' 7"	19' 3"
Non-Post	7	2' 8"	1' 10"	3' 3"
Non-Post	8	3' 4"	-1' 6"	3' 8"
Non-Post	9	0' 7"	-9' 3"	9' 4"
Non-Post	10	13' 6"	7' 6"	15' 6"
Non-Post	11	13' 6"	3' 6"	13' 11"
Non-Post	12	24' 10"	7' 6"	25' 11"
Non-Post	13	24' 10"	3' 6"	25' 1"
Non-Post	14	36' 1"	7' 6"	36' 10"
Non-Post	15	36' 1"	3' 6"	36' 3"
Non-Post	16	14' 10"	-18' 3"	23' 6"

0°

↓

A1

Support Post Identifier & Footing

NP1

Nature Play Tree House Post Identifier

Component Footing

FOOTING LEGEND

NOTES:  
1.) Dimensions are for locations for footing holes, not exact placement of equipment.  
2.) Assemble, plumb, and level equipment before pouring concrete.  
3.) Dimensions are rounded to nearest whole inch.

Mounting Plate

Anchor Bolt  
(Size and Depth may vary for each installation.)

Concrete

Surface Mount Detail

Resilient Ground Cover

Depth Maximum 12"

Resilient Ground Cover Depth  
Maximum 12"

3" Earth Backfill  
to prevent flare  
out and heave

Taper top of concrete for  
water drain away from post

Concrete

Use cement paver or red tube cap  
to prevent post from sinking before  
concrete footing has been poured

Optional Crushed Rock

Support Post Footing Detail

33" depth dimension may vary for:  
Nature Play Tree Trunk posts  
Volito posts  
Shade Canopy posts  
Alpine Climber posts  
3 1/2 " Arch Swing Legs,  
Evolution posts  
- see installation instructions

ANCHOR FEATURE MAY BE  
A CRIMP OR A PROFILE HOLE

12" Minimum Diameter  
(28" Min. Diameter for Shade Canopy x 36" deep - see install)  
(18" Minimum Diameter for Tree Climbers)  
(30" Min. Diameter for FS Shade Canopy x 54" deep - see install)  
(28" Min. Diameter for Evolution - see install. instruct.)

Resilient Ground Cover  
Depth Maximum 12"

24" to 40"  
Depending on Event  
(Refer to Specific Component's  
Installation Instructions)

3" Earth Backfill

Concrete

Crushed Rock  
Post Support

Component Footing Detail

12" Minimum Diameter  
(28" Minimum Diameter  
for Shade Canopy)



SERIES LINE:

GRO UP:  
Structure

DESIGNED FOR AGES:

Meadowood Park

Madison, WI 53711

**Burke.**  
PLAY THAT MOVES YOU.

05/16/2024

Lee Recreation, LLC

142-185602-1

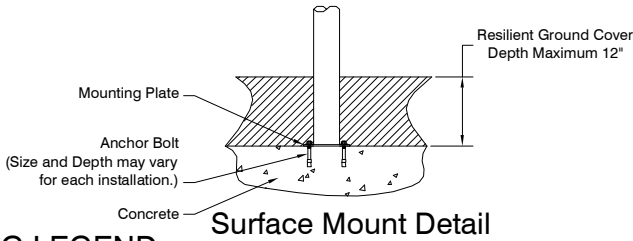
Designer: Brandy Janke



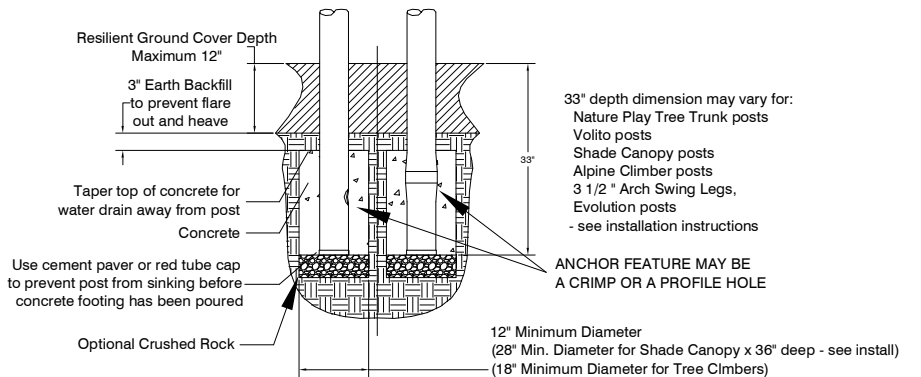
FOOTING LEGEND

- Support Post Identifier & Footing
- Nature Play Tree House Post Identifier
- Component Footing

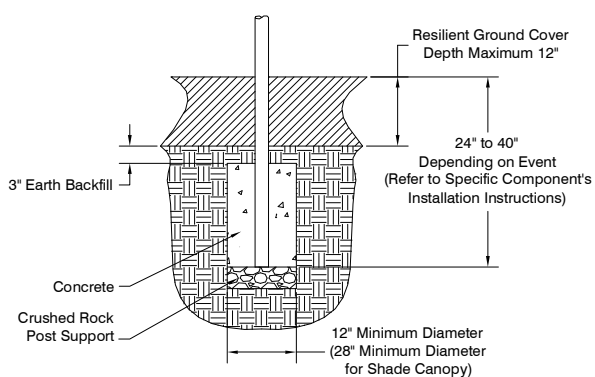
NOTES:  
1.) Dimensions are for locations for footing holes, not exact placement of equipment.  
2.) Assemble, plumb, and level equipment before pouring concrete.  
3.) Dimensions are rounded to nearest whole inch.



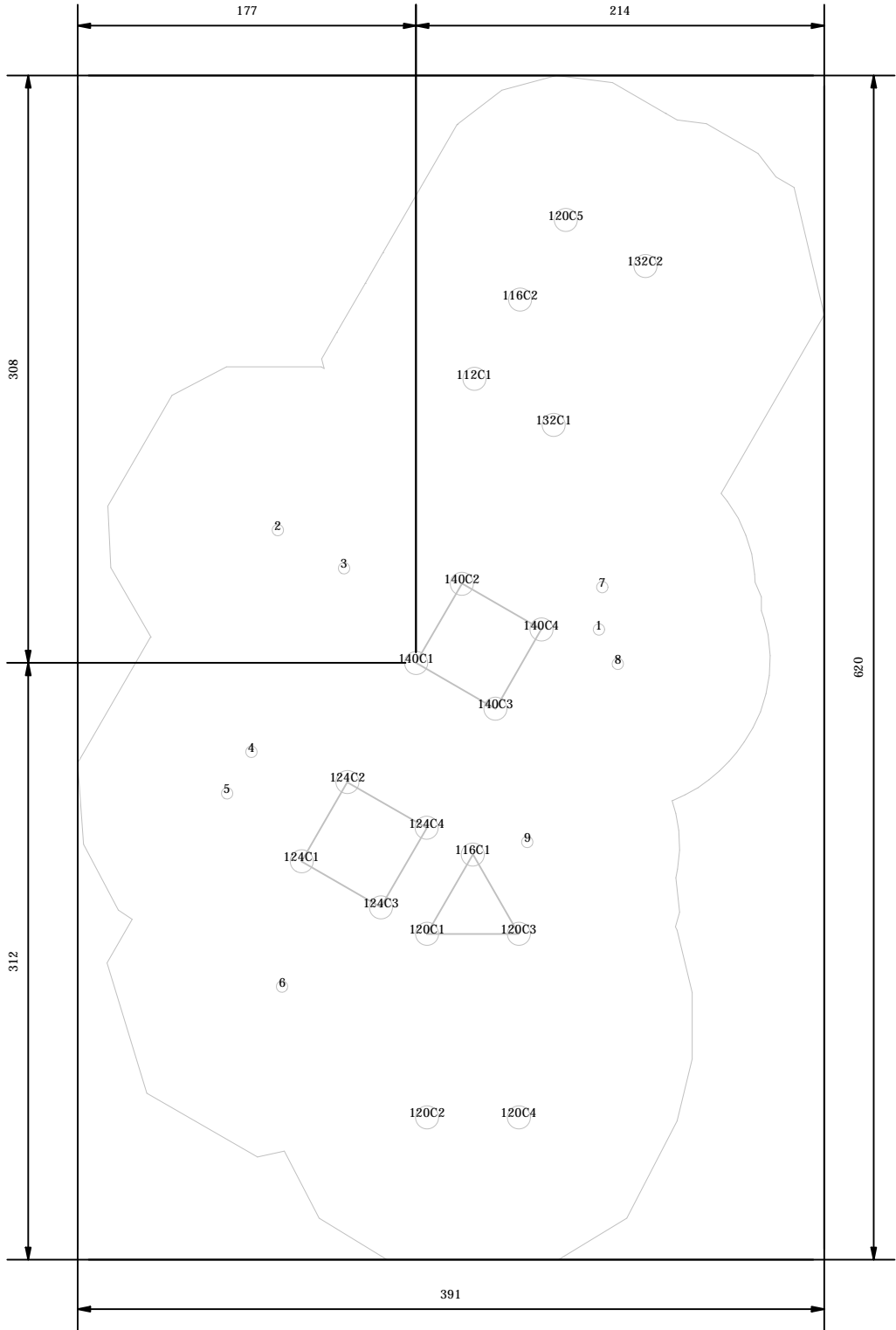
Surface Mount Detail



Support Post Footing Detail



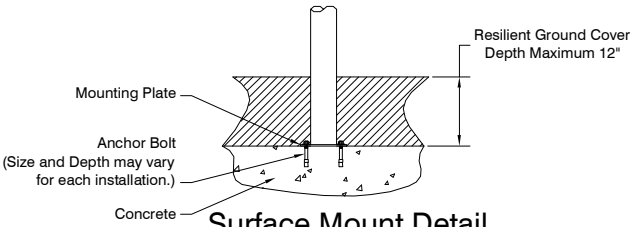
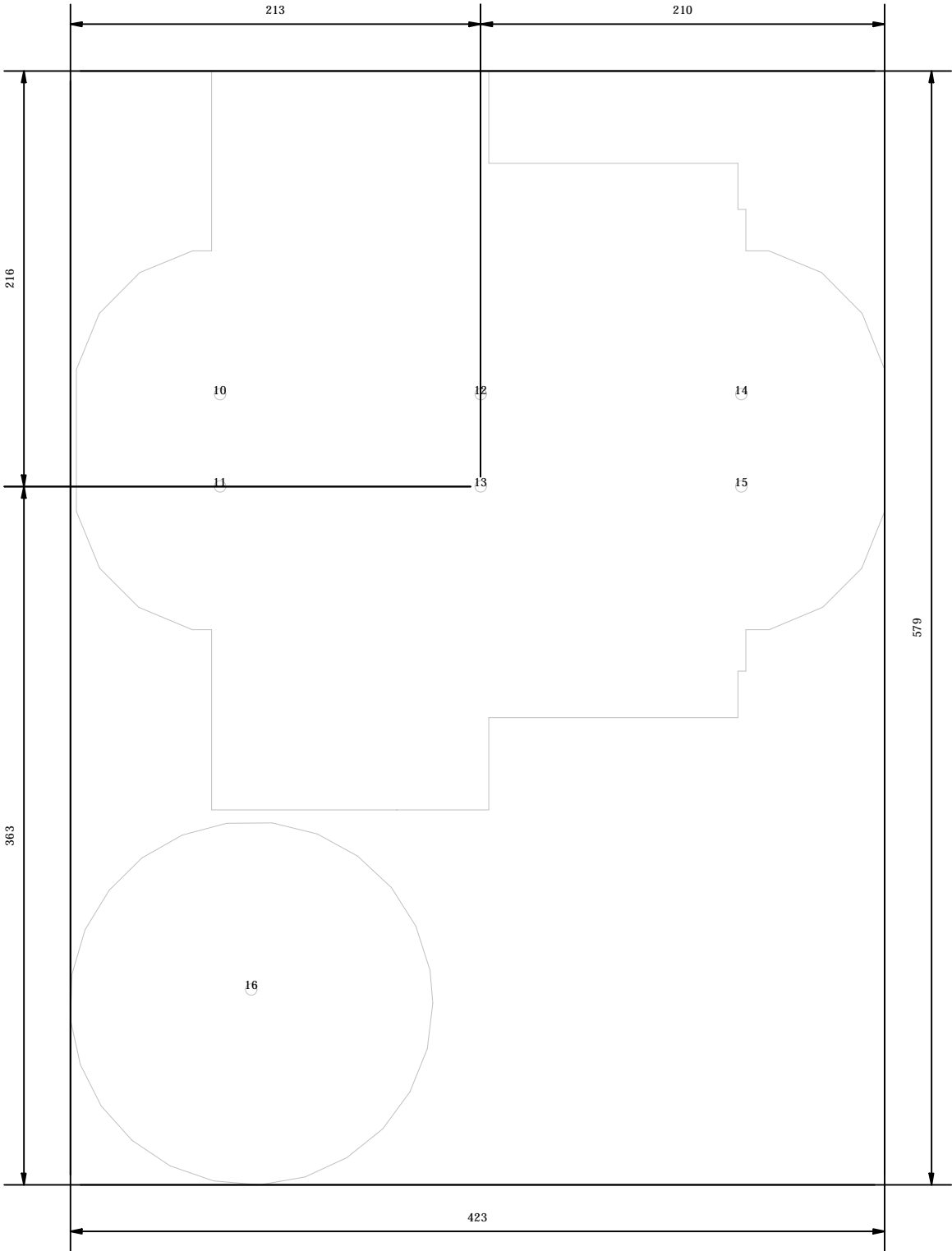
Component Footing Detail



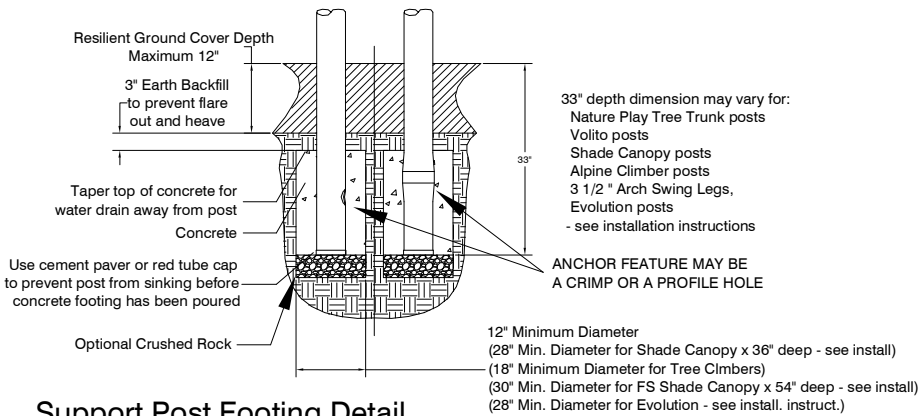
Type	Label	X	Y	Hyp/Diag
Post	112C1	2' 6"	12' 5"	12' 8"
Post	116C1	2' 6"	-8' 4"	8' 9"
Post	116C2	4' 6"	15' 10"	16' 6"
Post	120C1	0' 6"	-11' 10"	11' 10"
Post	120C2	0' 6"	-19' 10"	19' 10"
Post	120C3	4' 6"	-11' 10"	12' 8"
Post	120C4	4' 6"	-19' 10"	20' 4"
Post	120C5	6' 6"	19' 4"	20' 5"
Post	124C1	-5' 0"	-8' 8"	10' 0"
Post	124C2	-3' 0"	-5' 2"	6' 0"
Post	124C3	-1' 6"	-10' 8"	10' 9"
Post	124C4	0' 6"	-7' 2"	7' 3"
Post	132C1	6' 0"	10' 5"	12' 0"
Post	132C2	10' 0"	17' 4"	20' 0"
Post	140C1	0' 0"	0' 0"	0' 0"
Post	140C2	2' 0"	3' 6"	4' 0"
Post	140C3	3' 6"	-2' 0"	4' 0"
Post	140C4	5' 6"	1' 6"	5' 8"
Non-Post	1	8' 0"	1' 6"	8' 1"
Non-Post	2	-6' 0"	5' 10"	8' 4"
Non-Post	3	-3' 2"	4' 2"	5' 2"
Non-Post	4	-7' 2"	-3' 10"	8' 2"
Non-Post	5	-8' 3"	-5' 8"	10' 0"
Non-Post	6	-5' 10"	-14' 1"	15' 3"
Non-Post	7	8' 1"	3' 4"	8' 9"
Non-Post	8	8' 10"	0' 0"	8' 10"
Non-Post	9	4' 10"	-7' 10"	9' 2"



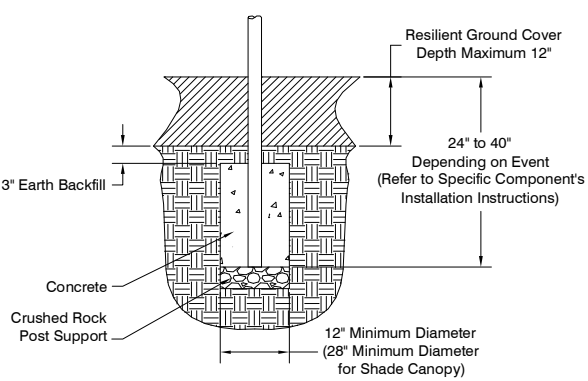
Type	Label	X	Y	Hyp/Diag
Non-Post	10	-11' 3"	4' 0"	12' 0"
Non-Post	11	-11' 3"	0' 0"	11' 3"
Non-Post	12	0' 0"	4' 0"	4' 0"
Non-Post	13	0' 0"	0' 0"	0' 0"
Non-Post	14	11' 3"	4' 0"	12' 0"
Non-Post	15	11' 3"	0' 0"	11' 3"
Non-Post	16	-9' 11"	-21' 9"	23' 11"



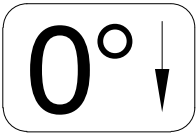
Surface Mount Detail



Support Post Footing Detail



Component Footing Detail



FOOTING LEGEND

- A1 Support Post Identifier & Footing
- NP1 Nature Play Tree House Post Identifier
- Component Footing

NOTES:  
1.) Dimensions are for locations for footing holes, not exact placement of equipment.  
2.) Assemble, plumb, and level equipment before pouring concrete.  
3.) Dimensions are rounded to nearest whole inch.

SERIES LINE:

GRO UP:  
Freestanding  
DESIGNED FOR AGES:

Meadowood Park  
Madison, WI 53711

Burke  
PLAY THAT MOVES YOU.

05/16/2024

Lee Recreation, LLC

142-185602-1

Designer: Brandy Janke



# Parks Playground Equipment Sherwood Park Playground

Red and Silver Color Option







Elevated View







# Parks Playground Equipment Sherwood Forest Park Playground

Purple, Lime and Orange Color  
Option





Elevated View







# Parks Playground Equipment Sherwood Park Playground

Purple, Standard Green, and Orange  
Color Option







Elevated View





Project Number: R0324240162

PlayArea: PlayArea\_1 | Traditional Play

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

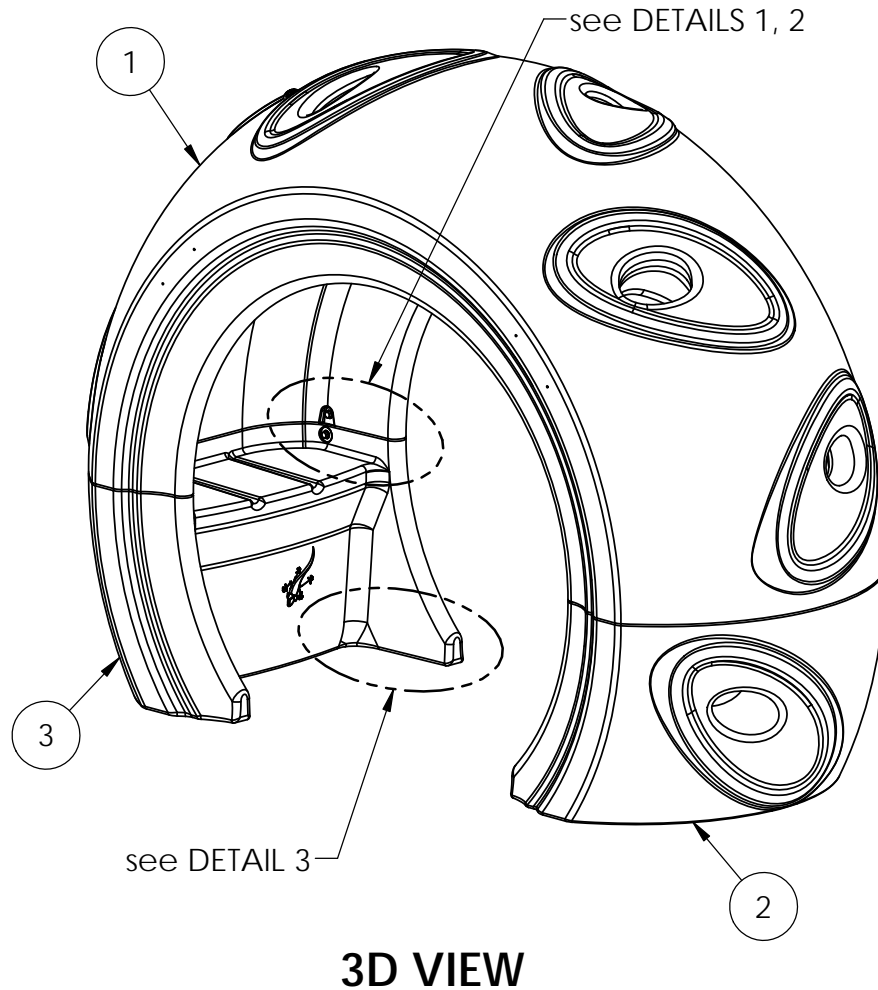
Date: 5/13/2024 12:00:00 AM

# TIRE CLIMB HALF W/RISERS

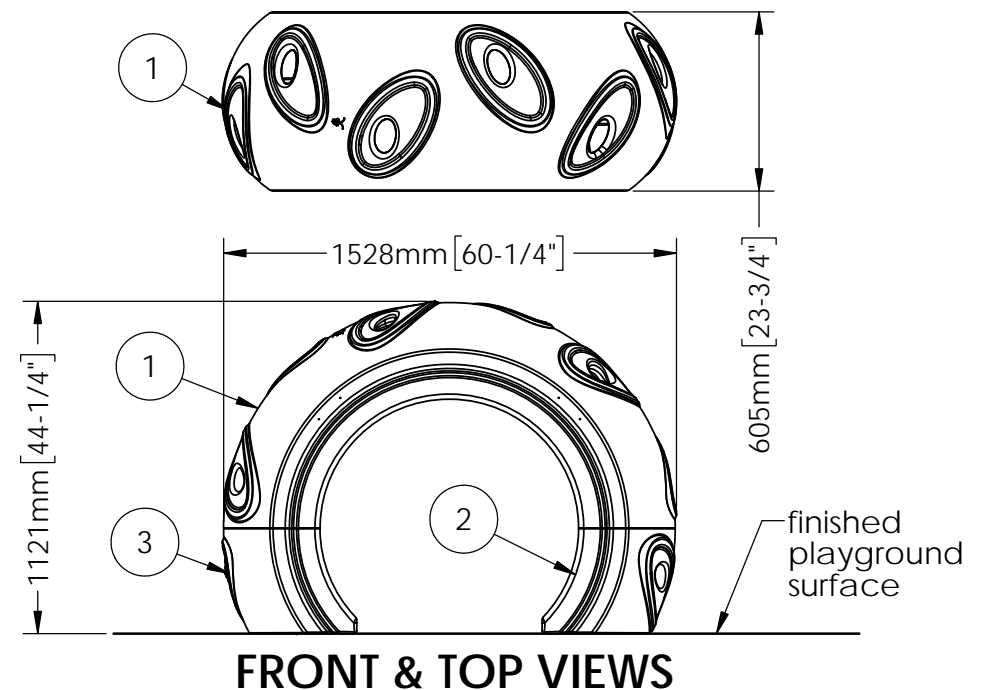
I300071B  
SHEET 1 OF 7

MODEL # 200203283

AUTHORIZED BY: 16AUG17  
TRACY ARCHER



PARTS LIST			
ITEM	QTY	PART #	DESCRIPTION
1	1	999271P	HALF TIRE ROTO
2	1	999273P	TIRE RISER A
3	1	999274P	TIRE RISER B
4	4	912759	WELDMENT F/TIRE CONNECTION
5A		912755	WELDMENT F/SM TIRE
5B	4	912753	WELDMENT F/305SM TIRE
5C		912757	WELDMENT F/ING TIRE
HDWR PARTS LIST			
6	12	200002018	SCREW MACH. BUTTONHEAD M10 X 1.50 X 25MM
7	8	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK
8	12	200002079	WASHER FLAT M11 23 X 12 X 1.6MM

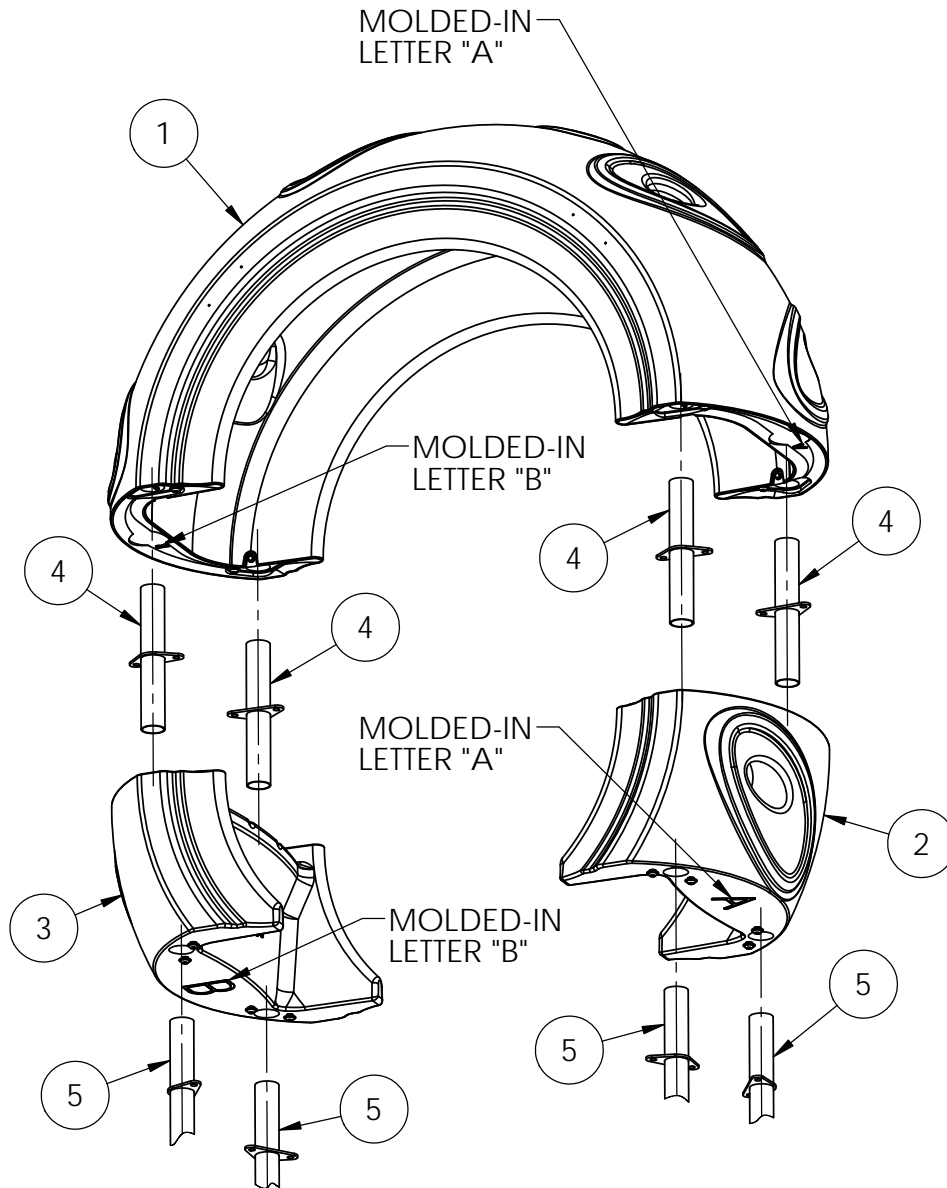




# TIRE CLIMB HALF W/RISERS

I300071B  
SHEET 2 OF 7

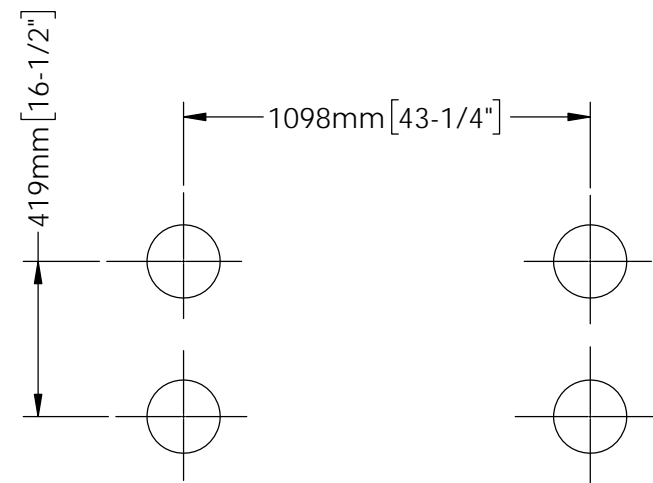
AUTHORIZED BY: 16AUG17  
TRACY ARCHER



**EXPLODED VIEW**

## Installation Instructions

1. Attach the weldment f/tire connection (item 4) to the half tire (item 1) in four places as shown in DETAIL 1.
  2. Attach the tire risers A and B (items 2 and 3) to the half tire as shown in DETAIL 2. Note the location of the molded-in letters "A" and "B" on the half tire and risers. Install the risers on the matching end of the half tire - refer to EXPLODED VIEW.
  3. Attach the footing weldments (item 5) in four places as shown in DETAIL 3.
  4. Move completed assembly to installation location and block up to correct height - bottom of tire risers should be flush with finished playground surface. Refer to sheets 6 and 7 for footing details.
- For 40mm [1.5"] surface mount ground cover installation, install one anchor bolt in each footing plate.
- For 305mm [12"] surface mount ground cover installation, install two anchor bolts in each footing plate, opposite (at 180 degrees) to each other.
5. Complete footings and install resilient surfacing.



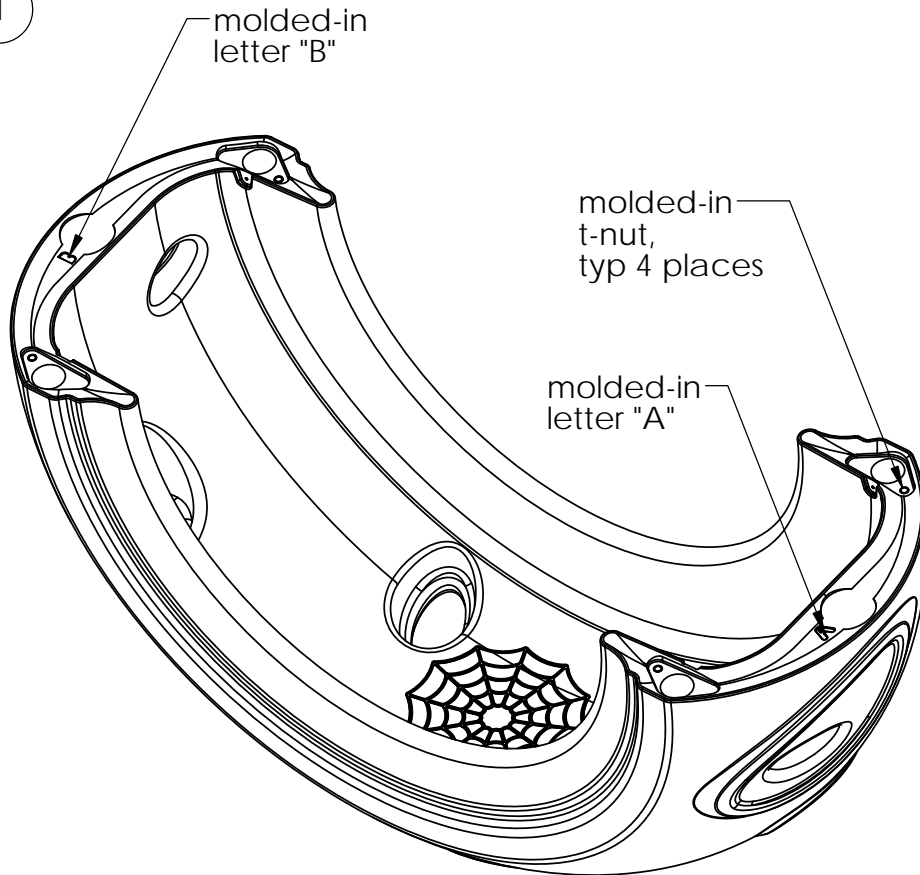
**FOOTING DIMENSIONS**

# TIRE CLIMB HALF W/RISERS

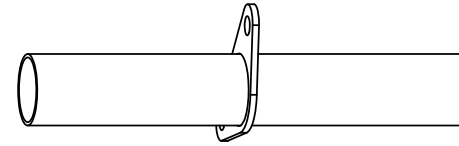
I300071B  
SHEET 3 OF 7

AUTHORIZED BY: 16AUG17  
**TRACY ARCHER**

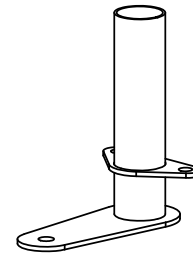
1



4

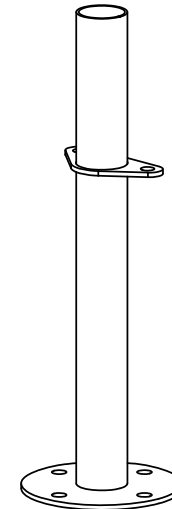


5A



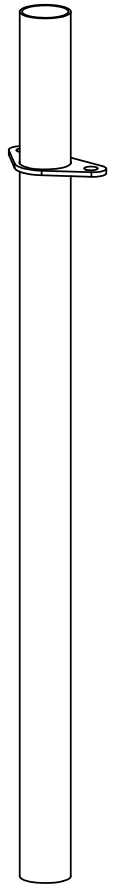
Surface Mount  
40mm [1.5"]

5B



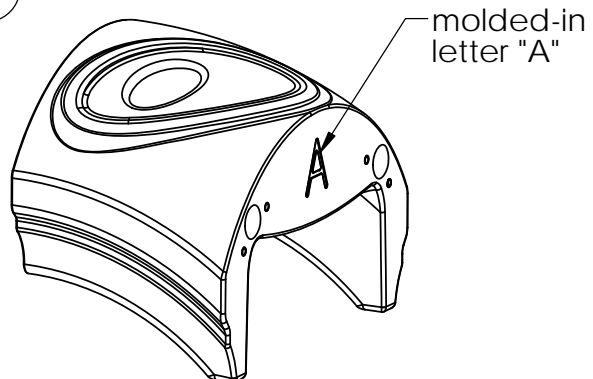
Surface Mount  
305mm [12"]

5C

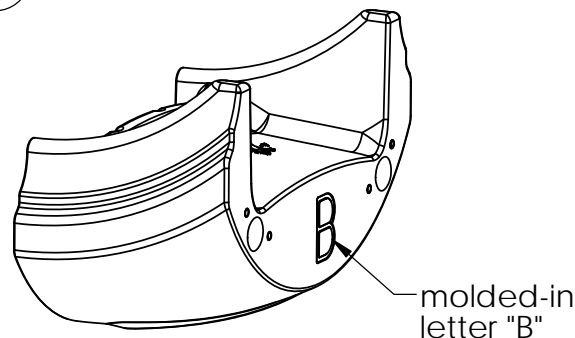


Inground  
Mount

2



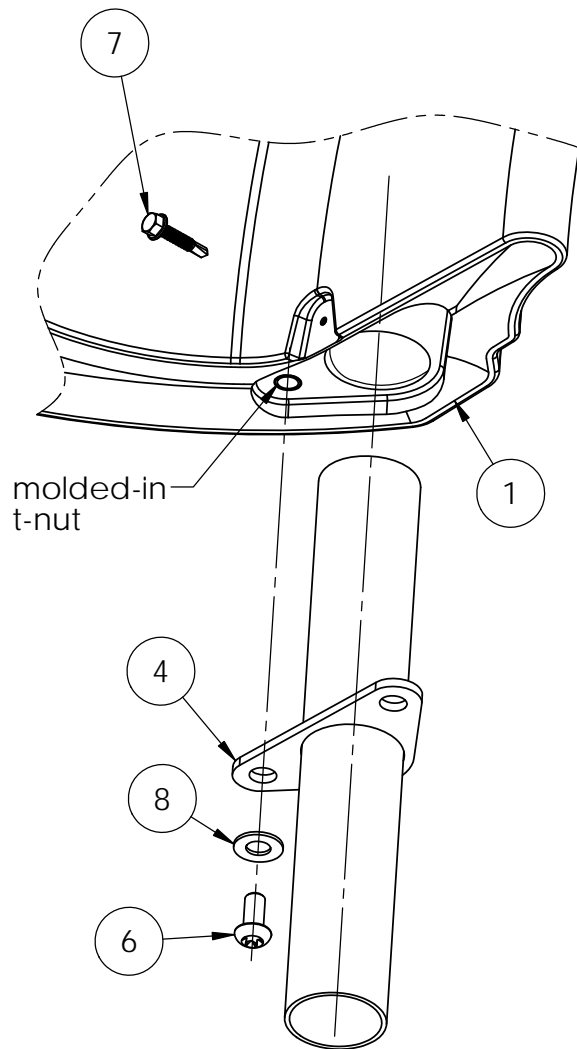
3



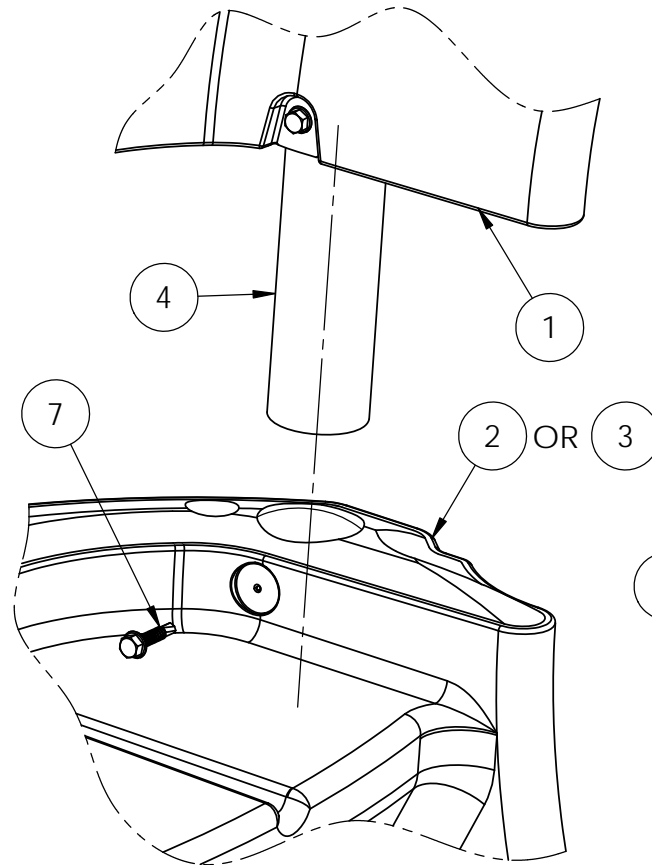
# TIRE CLIMB HALF W/RISERS

I300071B  
SHEET 4 OF 7

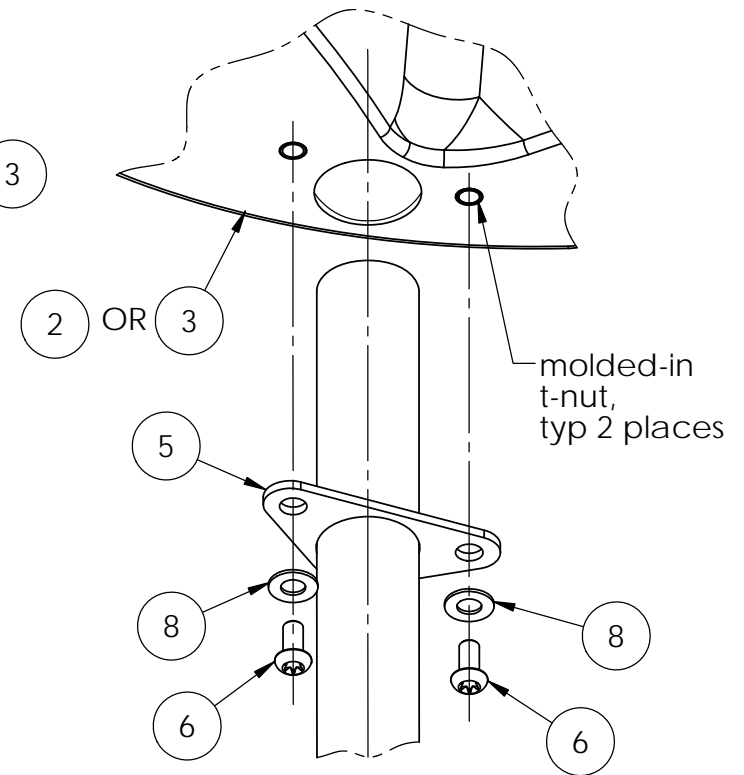
AUTHORIZED BY: 16AUG17  
**TRACY ARCHER**



**DETAIL 1**  
Typ 4 Places



**DETAIL 2**  
Typ 4 Places



**DETAIL 3**  
Typ 4 Places

**BEFORE STARTING INSTALLATION OF YOUR LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"**

This playevent is designed to suit a level site. Should there be any slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm [3.5"] to 229mm [9"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

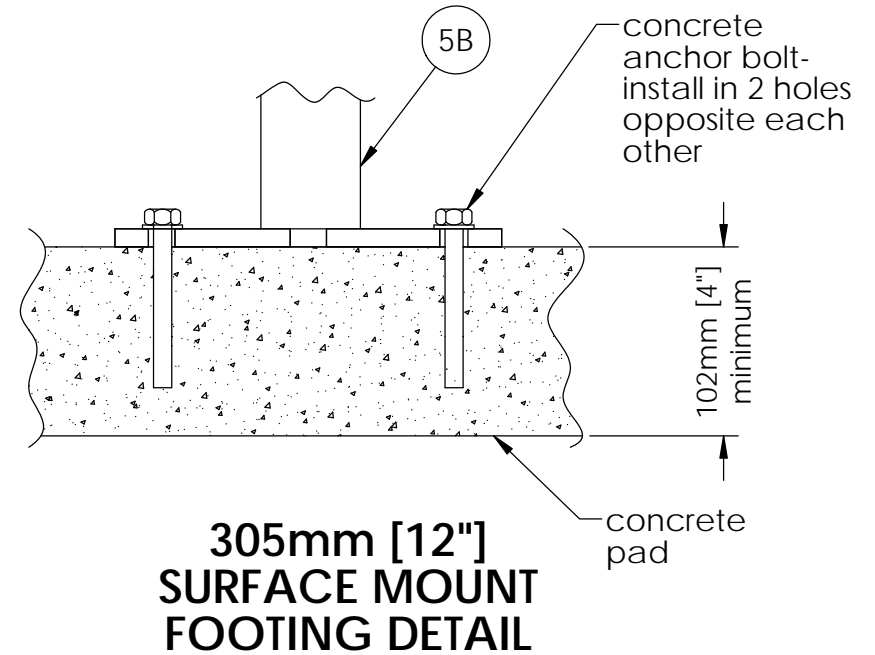
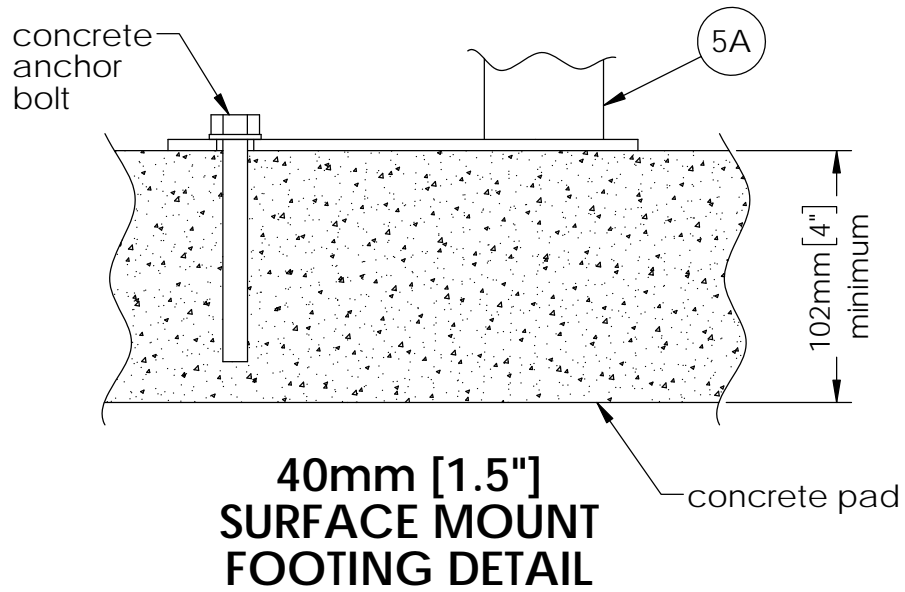
The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

**ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.**



## SURFACE MOUNT PLAYEVENT FOOTING

AUTHORIZED BY: 16AUG17  
TRACY ARCHER

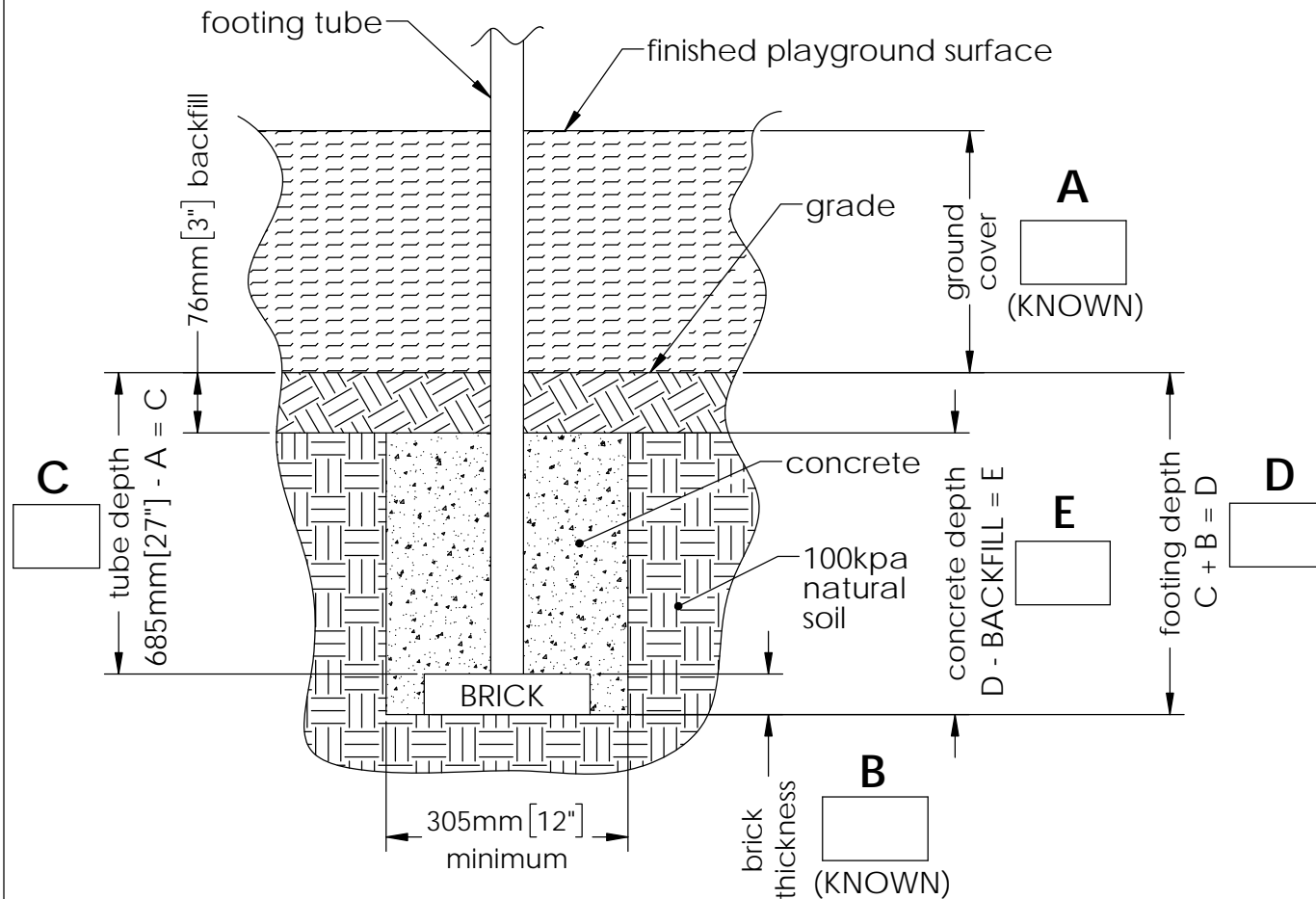


# TIRE CLIMB HALF W/RISERS

I300071B  
SHEET 7 OF 7

## INGROUND PLAYEVENT FOOTING

AUTHORIZED BY: 16AUG17  
TRACY ARCHER



1. Complete the calculation sheet by filling in blocks A thru E.
2. Footing size may vary due to local soil and weather conditions.
3. Base of footing must be below frost line.

**A** = ground cover depth (known)

**B** = brick thickness (known)

**C** = 685mm [27"] - A

because A + C should always equal 685mm [27"]

**D** = footing depth = C + brick thickness

minimum 305mm [12"] + brick thickness footing depth required

**E** = concrete depth =

footing depth (D) - 76mm [3"] (backfill)

## HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times [\text{concrete depth(mm)}/915] \times \text{No. of footing holes} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times [\text{concrete depth (in)}/36] \times \text{No. of footing holes} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.

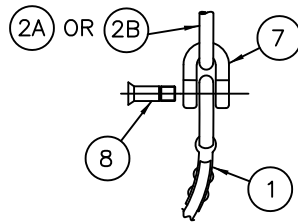
If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our *Customer Service Department* at 1(800)325-8828. They will be able to provide you with the information you require.

# TOT SWING SEAT

1800038C

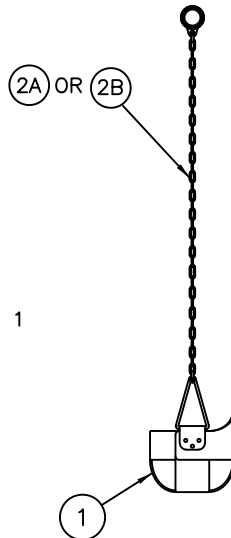
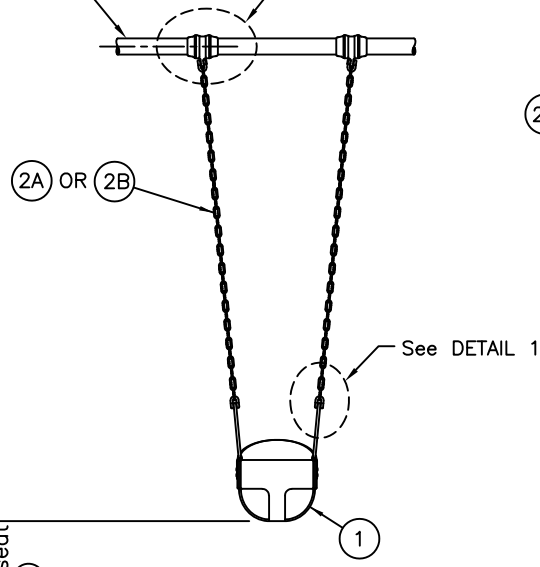
Sheet 1 of 2

AUTHORIZED BY: 07APR20  
STEVE ADKINS



DETAIL 1  
Typ 2 Places

Anti-wrap swing beam — See DETAIL 2



ASSY TOT SEAT F/8' SWING W/CHAIN — 200202836

ASSY TOT SEAT F/10' SWING W/CHAIN — 200202834

Item	Code	Description	Qty.
1	999605*	TOT SWING SEAT 360 DEG — NO LOGO	1
2A	200187283	CHAIN F/8' TOP RAIL BUCKET SEAT BG (52")	1
2B	200187284	CHAIN F/10' TOP RAIL BUCKET SEAT BG (75")	1
3	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1
4	200189490	HDWR BAG LBL/INST.F/BUCKET SWG CSA	1
5	200189489	HDWR BAG LBL/INST.F/BUCKET SWG US	1
6	HW35993-02	HRDW PKG 2 SM D STY SKL ST S1/1	1

HRDW PKG 2 SM D STY SKL ST S1/1 — HW35993-02

Item	Code	Description	Qty.
7	200035993	SHACKLE "D" STYLE 41 MM 300 S.S.(SMALL)	2
8	200035994	BOLT M10 X 1.5 X 27 MM 300 SS 6-LOBE(SM)	2

Note: An (\*) by a part number (CODE) indicates: Color Code Required.

## Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit.
- Check chain and seat for wear

## Specifications

### CHAINS

MATERIAL: 4/0 chain link hot dipped galvanized

### TOT SEAT

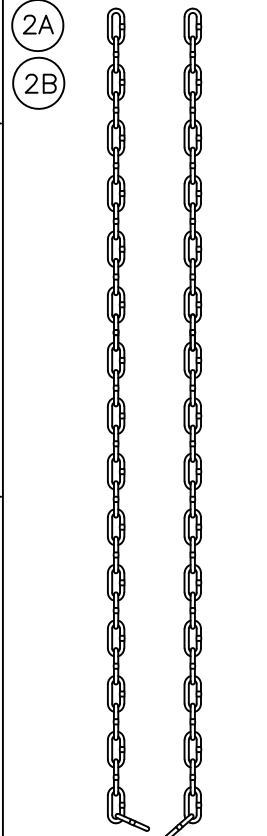
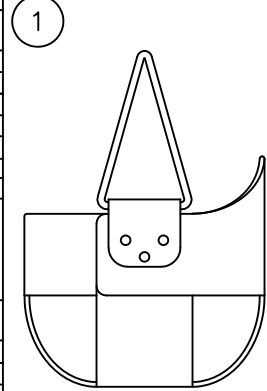
MATERIAL: Tot Swing Seats shall be heavy duty construction, fabricated from rubber with a tempered steel insert molded inside, rendering them slashproof. Tot seat shall be fully enclosed to prevent slipping out and provide lower back support. Two sizes of leg cutouts make this seat versatile enough to accommodate larger children with special needs also.

## Installation Instructions

1. Attach swing seat (Item 1) to chains (Item 2A or 2B), DETAIL 1.
2. Determine seat height and trim chains accordingly.
3. Attach chains to beam, DETAIL 2, Sheet 2.

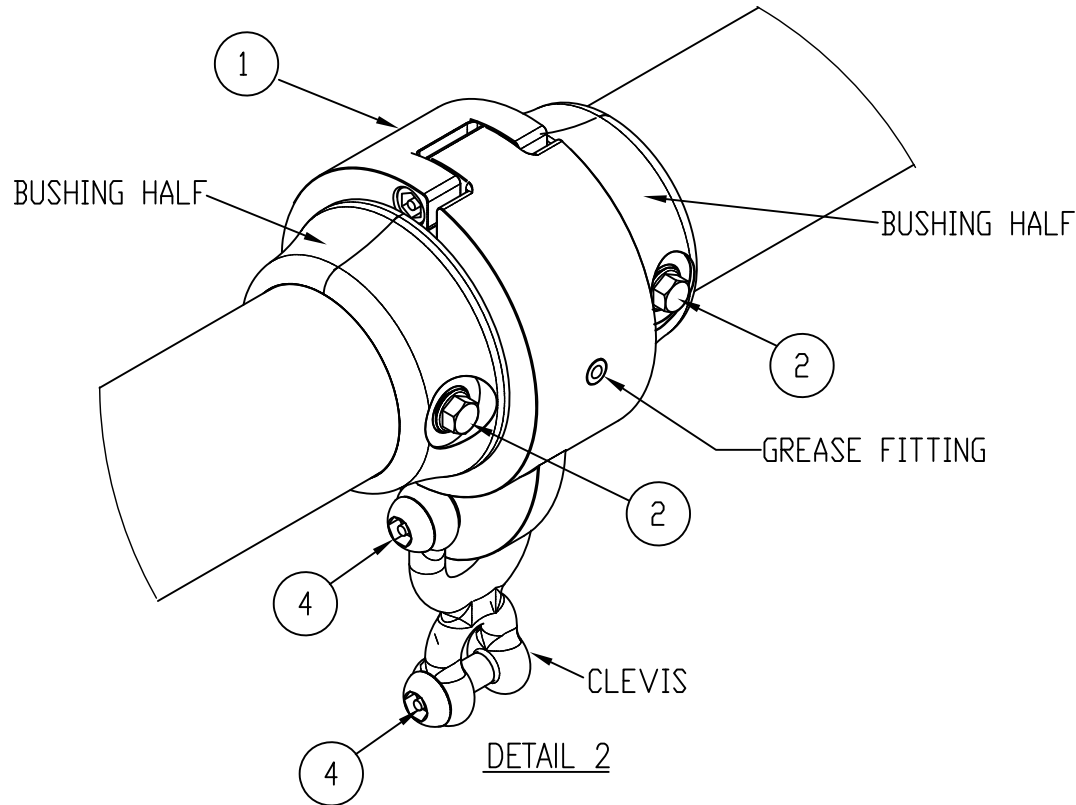
## NOTES:

1. See separate instruction for swing frame installation.



## NOTE:

1. MINIMUM SEAT HEIGHT TO BE 24 INCHES.



## 994824 - (2) ANTI WRAP HANGER 2 3/8" TOP RAIL PARTS

Item	Code	Description	Qty.
1	102421	ANIT-WRAP SWING HANGER 2 3/8" TOP RAIL	2
2	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
3	102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
4	SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

NOTE: DISCARD TEK SCREWS THAT COME WITH THE 102421 KIT AND USE (ITEM 2).

### Installation Instructions

STEP 1 – REMOVE THE BOLT FROM THE CLEVIS AND SET THE BOLT ASIDE.

STEP 2 – OPEN THE HANGER ASSEMBLY (ITEM 1) AND REMOVE THE BUSHING HALVES. CENTER ONE (1) OF THE BUSHING HALVES ON TO THE BEAM USING THE HANGER LAYOUT FOR LOCATION, SHEET 3. ATTACH USING TWO (2) OF BOLTS (ITEM 2).

STEP 3 – REPEAT WITH THE OTHER BUSHING HALF. NOTE THAT THE BUSHING HALVES WILL NOT COMPLETELY MATE ON THE SWING BEAM. ALIGN THE TABS WITH THE NOTCHES AND ENSURE THE GAP BETWEEN THE BUSHING HALVES IS EQUAL ON BOTH SIDES OF THE SWING BEAM.

STEP 4 – PLACE THE HANGER ASSEMBLY (ITEM 1) AROUND THE BUSHING HALVES.

STEP 5 – APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT THAT WAS SET ASIDE IN STEP 1. ATTACH THE CLEVIS BACK TO THE HANGER ASSEMBLY (ITEM 1) USING THAT BOLT.

STEP 6 – ATTACH THE CHAIN TO THE BOTTOM OF THE CLEVIS USING THE BOLT THAT CAME WITH (ITEM 1). APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT BEFORE INSERTING INTO CLEVIS. TIGHTEN ALL HARDWARE.

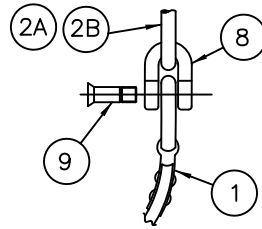
STEP 7 – USING A GREASE GUN, PLACE A SUFFICIENT AMOUNT OF ALL-PURPOSE GREASE INTO THE GREASE FITTING TO ALLOW THE HANGER TO SWING FREELY.

# BELT SWING SEAT

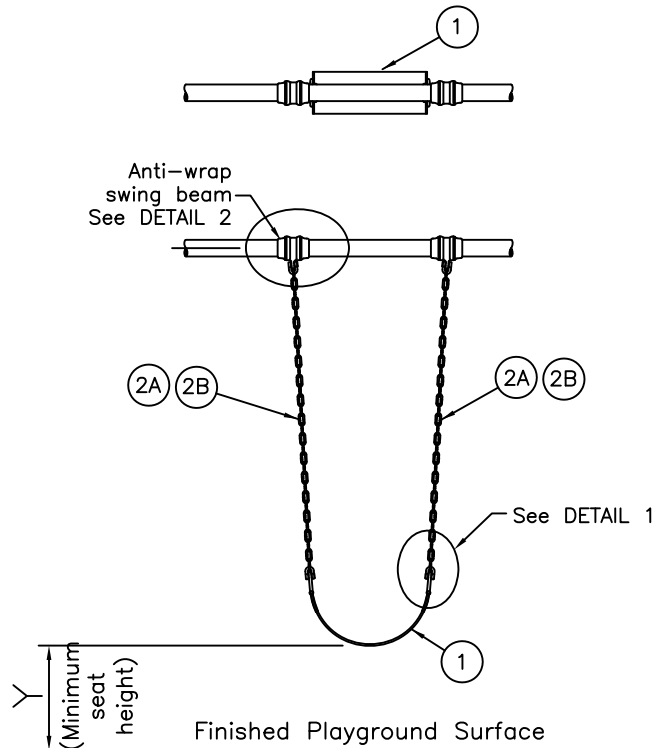
I800039C

Sheet 1 of 2

AUTHORIZED BY: 17APR19  
Steve Adkins



**DETAIL 1**  
Typ 2 Places



## NOTE:

1. MINIMUM SEAT HEIGHT TO BE 12 INCHES.

**ASSEMBLY BELT SEAT F/8' SWING W/CHAIN - 200202835**  
**ASSEMBLY BELT SEAT F/10' SWING W/CHAIN - 200202832**

Item	Code	Description	Qty.
1	999604*	BELT SWING SEAT, SLASH PROOF - NO LOGO	1
2A	200187286	CHAIN F/8' TOP RAIL BELT/DURAGLIDE (71")	1
2B	200187287	CHAIN F/10' TOP RAIL BELT/DURAGLIDE (95")	1
3	200189491	HDWR BAG LBL/INST.F/BELT SWG CSA	1
4	200189492	HDWR BAG LBL/INST.F/BELT SWG 8' BEAM US	1
5	200189493	HDWR BAG LBL/INST.F/BELT SWG 10' BEAM US	1
6	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1
7	HW35993-02	HRDW PKG 2 SM D STY SKL ST S1/1	1

**HRDW PKG 2 SM D STY SKL ST S1/1 - HW35993-02**

Item	Code	Description	Qty.
8	200035993	SHACKLE "D" STYLE 41MM 300 SS (SMALL)	2
9	200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE (SM)	2

## Application

- For age groups 2-12 years.

## Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit.
- Check chain and seat for wear

## Specifications

### CHAINS

MATERIAL: 4/0 chain link hot dipped galvanized

### BELT SEAT

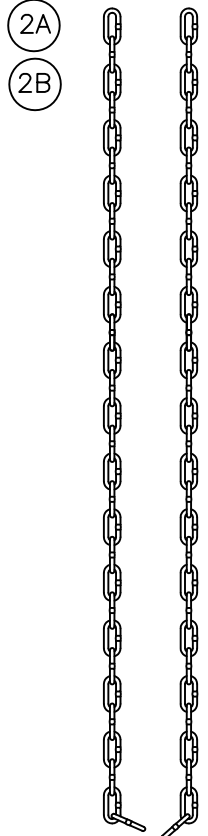
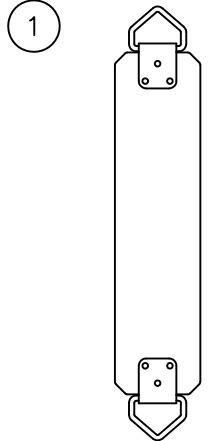
MATERIAL: Rubber with a tempered steel insert molded inside

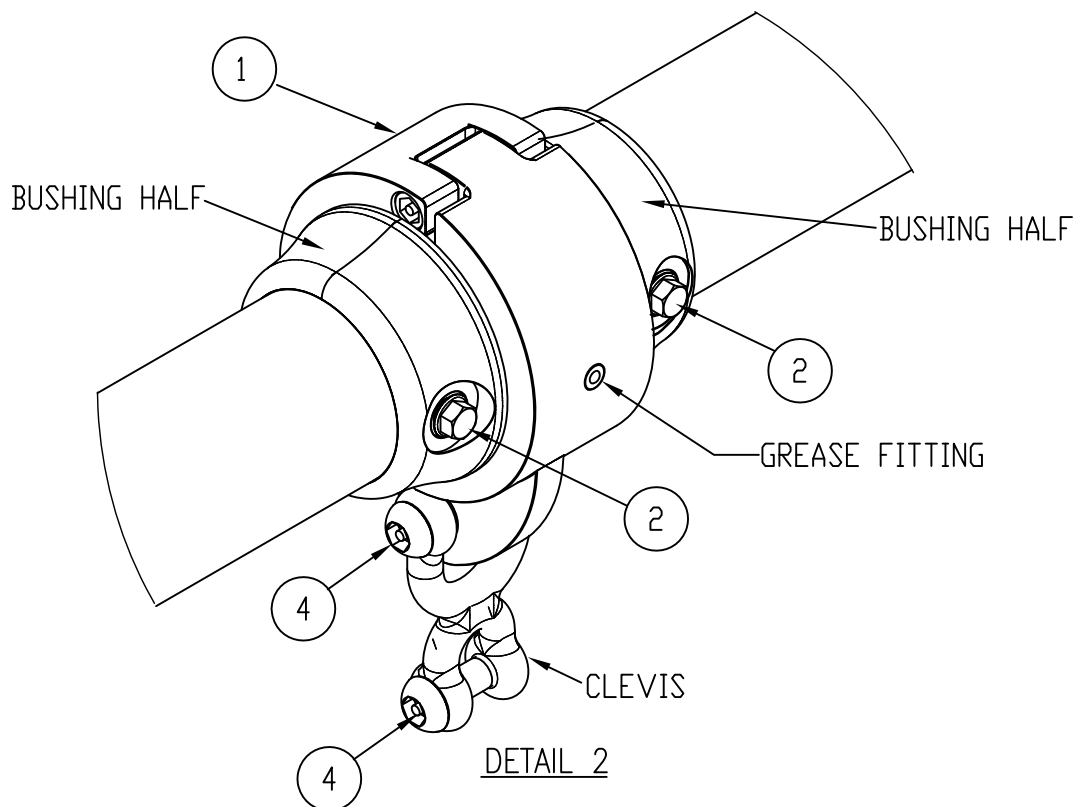
## Installation Instructions

1. Attach chains and hangers to beam as shown in DETAIL 2, Sheet 2.
2. Determine seat height and trim chains accordingly.
3. Attach swing seat to chains as shown in DETAIL 1.

## NOTES:

1. See separate instruction for swing frame installation.





## 994824 - (2) ANTI WRAP HANGER 2 3/8" TOP RAIL PARTS

Item	Code	Description	Qty.
1	102421	ANIT-WRAP SWING HANGER 2 3/8" TOP RAIL	2
2	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
3	102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
4	SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

NOTE: DISCARD TEK SCREWS THAT COME WITH THE 102421 KIT AND USE (ITEM 2).

### Installation Instructions

STEP 1 – REMOVE THE BOLT FROM THE CLEVIS AND SET THE BOLT ASIDE.

STEP 2 – OPEN THE HANGER ASSEMBLY (ITEM 1) AND REMOVE THE BUSHING HALVES. CENTER ONE (1) OF THE BUSHING HALVES ON TO THE BEAM USING THE HANGER LAYOUT FOR LOCATION, SHEET 3. ATTACH USING TWO (2) OF BOLTS (ITEM 2).

STEP 3 – REPEAT WITH THE OTHER BUSHING HALF. NOTE THAT THE BUSHING HALVES WILL NOT COMPLETELY MATE ON THE SWING BEAM. ALIGN THE TABS WITH THE NOTCHES AND ENSURE THE GAP BETWEEN THE BUSHING HALVES IS EQUAL ON BOTH SIDES OF THE SWING BEAM.

STEP 4 – PLACE THE HANGER ASSEMBLY (ITEM 1) AROUND THE BUSHING HALVES.

STEP 5 – APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT THAT WAS SET ASIDE IN STEP 1. ATTACH THE CLEVIS BACK TO THE HANGER ASSEMBLY (ITEM 1) USING THAT BOLT.

STEP 6 – ATTACH THE CHAIN TO THE BOTTOM OF THE CLEVIS USING THE BOLT THAT CAME WITH (ITEM 1). APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT BEFORE INSERTING INTO CLEVIS. TIGHTEN ALL HARDWARE.

STEP 7 – USING A GREASE GUN, PLACE A SUFFICIENT AMOUNT OF ALL-PURPOSE GREASE INTO THE GREASE FITTING TO ALLOW THE HANGER TO SWING FREELY.

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

**NOTE:** Inspect equipment on a regularly scheduled basis. Refer to Playground Inspection/Maintenance and Repair Guidelines located in Installation Manual. Anti-Wrap Swing Swivel should be inspected monthly to ensure there are no worn, sharp, vandalized or rusted components. It should also be determined at this time if more grease is required to keep Swivel moving freely.

**I800053**  
**5" Arch Swing Frame**  
**w/Antiwrap (2022)**

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
LT0943	5" 2 Seat Arch Swing W/AW	2
LT0945	5" 2 Seat Arch Swing Add-A-Bay W/AW	3
LT0947	5" 1 Seat Arch Swing W/AW	4
LT0949	5" 1 Seat Arch Swing Add-A-Bay W/AW	5

*Note: An (\*) by a part number (Code) indicates: Color Code Required.*

### TOOLS AND EQUIPMENT REQUIRED

*Also see "Installations 101"*

1. Concrete for footings, wheelbarrow or mixer, 5 gallon bucket, water supply
2. Digging equipment for footings (spade shovel, post hole digger, auger)
3. Bracing materials (2x4s, wood pieces, concrete blocks, bricks, jackstands, sawhorses, etc.)
4. Tape measure and level
5. Open end wrench set, Allen and 6-lobe wrenches or bits, socket set, screwdrivers
6. Drill, bits, extension cords, power supply
7. Rubber mallet
8. Step ladder
9. Adult installers - 2 minimum

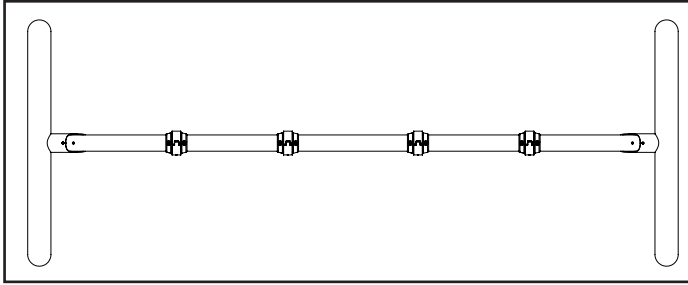
**Arch Swing Frames 5" with Anti-Wrap Swing Hangers**

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

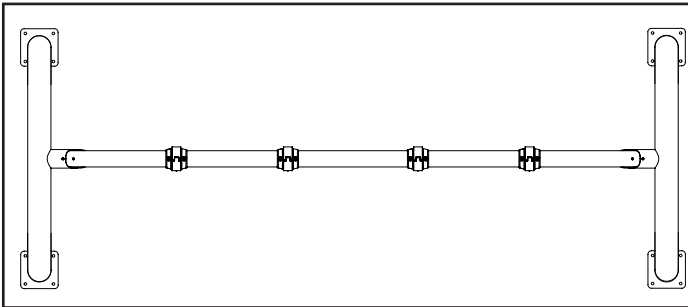
LT0943

**5" 2 Seat Arch Swing  
w/Anti-Wrap Swing Hangers**

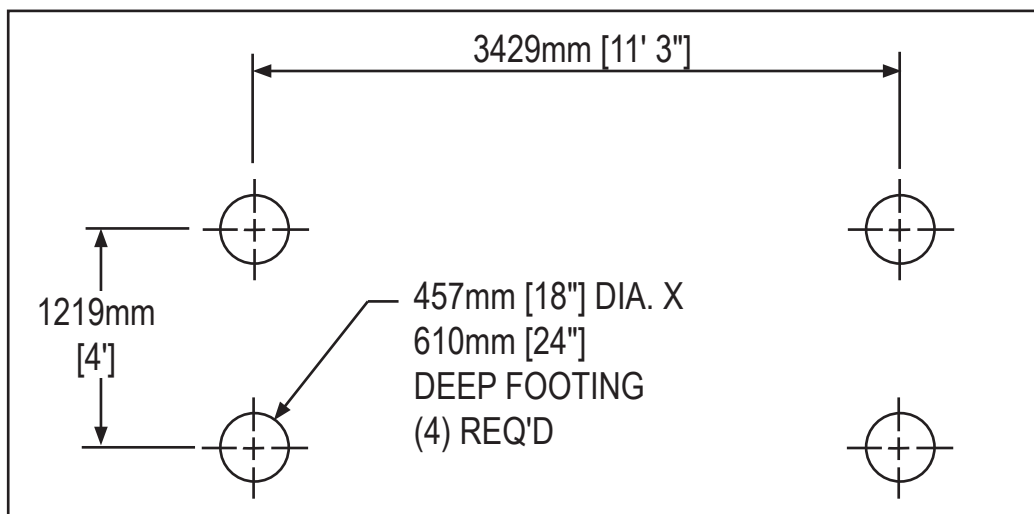
Protective Area: 24' x 32'



Top View - Inground



Top View - Surface Mount

Inground Model  
Shown

Footing Layout - Same spacing for inground and surface mount.



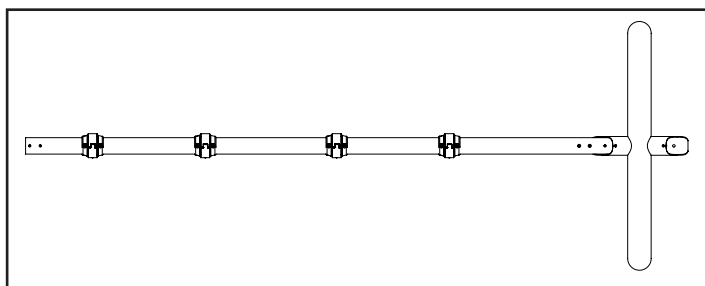
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

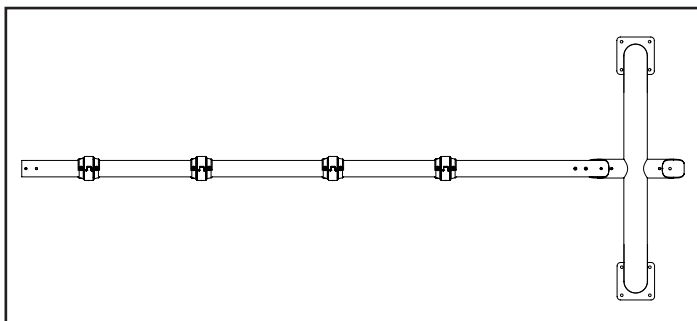
LT0945

5" 2 Seat Arch Swing Add-A-Bay  
w/Anti-Wrap Swing Hangers

Protective Area: 24' x 32'



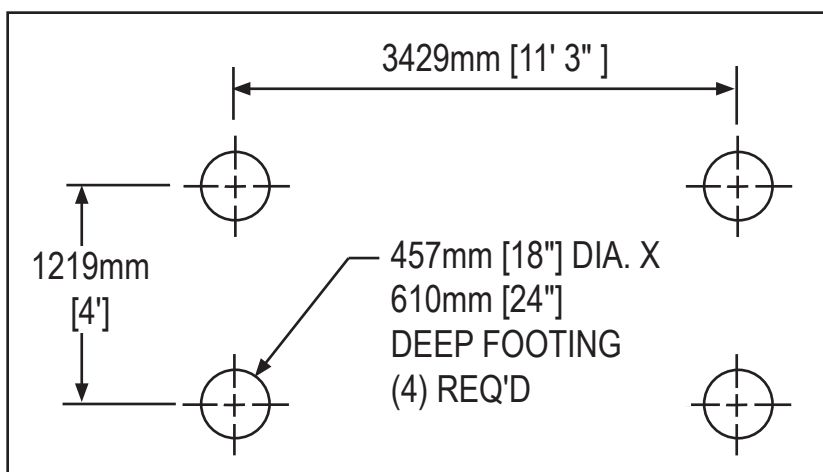
Top View - Inground



Top View - Surface Mount



Inground Model  
Shown



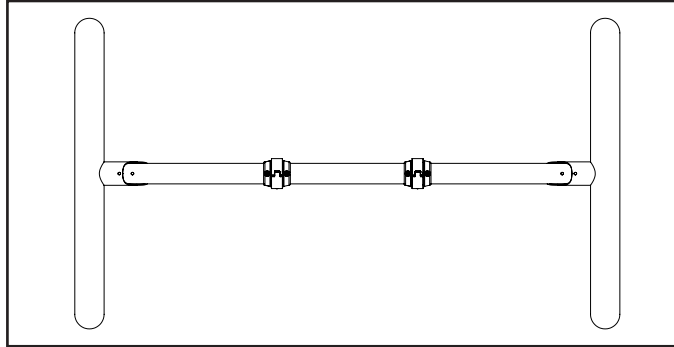
Footing Layout - Same spacing for inground and surface mount.

*Each Add-A-Bay for these two models use the footing layout shown at left.*

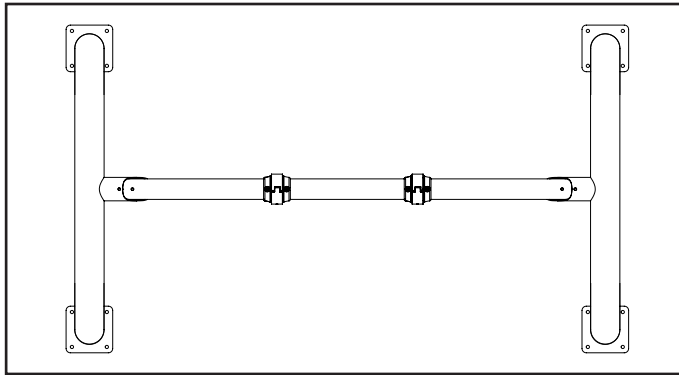
*Note: For more than eight bays, please contact your service representative.*

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers**

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay



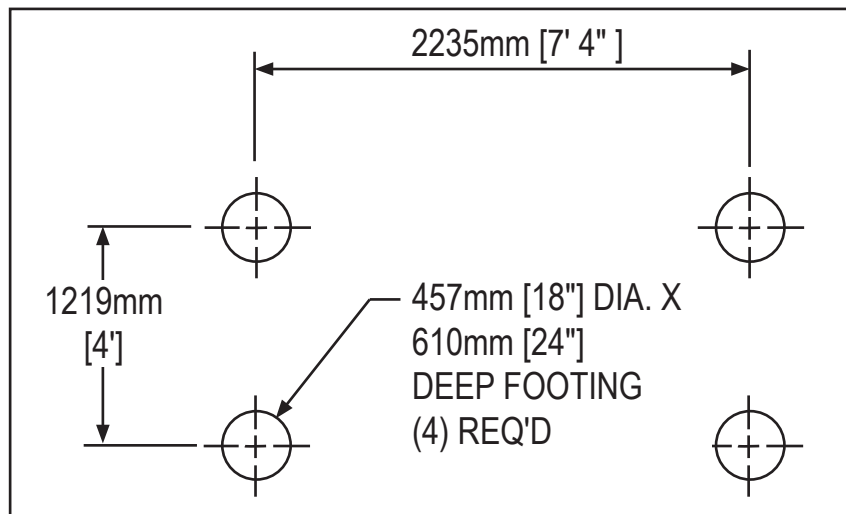
Top View - Inground



Top View - Surface Mount

**LT0947****5" 1 Seat Arch Swing  
w/Anti-Wrap Swing Hangers**

Protective Area: 21' x 32'

Inground Model  
Shown

Footing Layout - Same spacing for inground and surface mount.

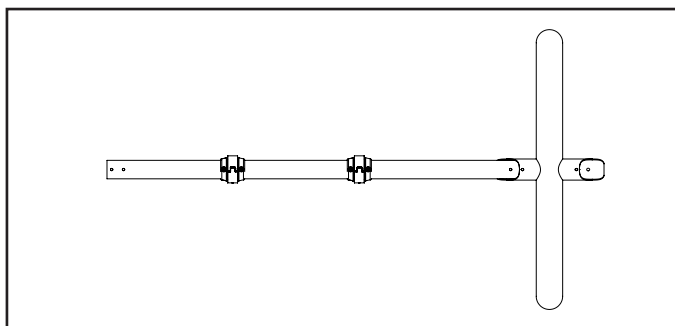
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

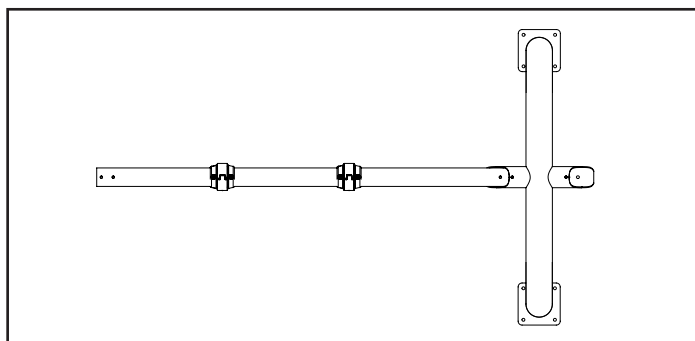
LT0949

5" 1 Seat Arch Swing Add-A-Bay  
w/Anti-Wrap Swing Hangers

Protective Area: 21' x 32'



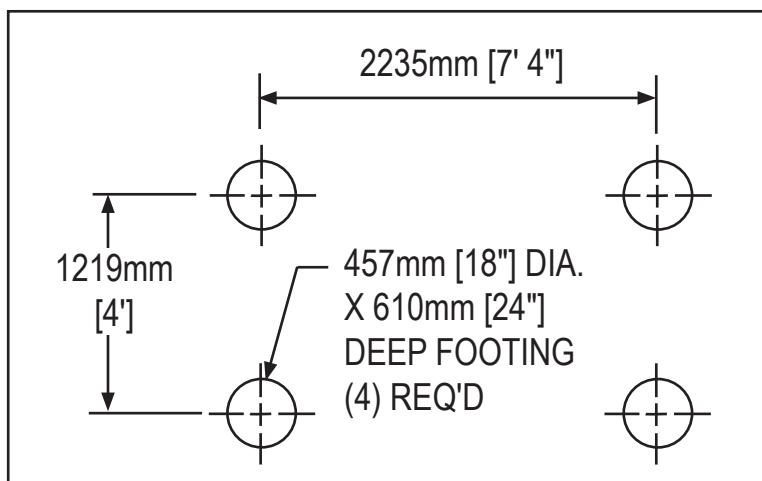
Top View - Inground



Top View - Surface Mount



Inground Model  
Shown



Footing Layout - Same spacing for inground and surface mount.

*Each Add-A-Bay for these two models use the footing layout shown at left.*

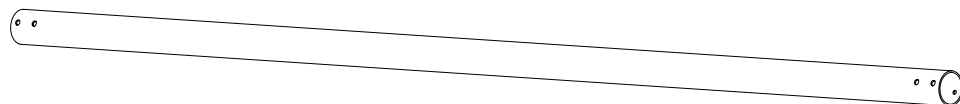
*Note: For more than eight bays, please contact your service representative.*

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers**

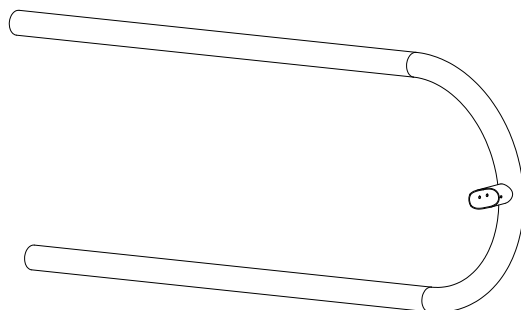
(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

**PARTS IDENTIFICATION**

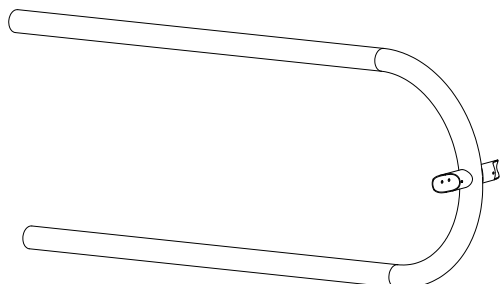
**PN 929419\* TOP  
RAIL-3.5"OD X 79.58"  
(ANTI-WRAP)**



**PN 929418\* TOP RAIL-  
3.5"OD X 126.58"  
(ANTI-WRAP)**



**PN 929414\* FRAME - 5.00"  
STEEL ARCH SWING**

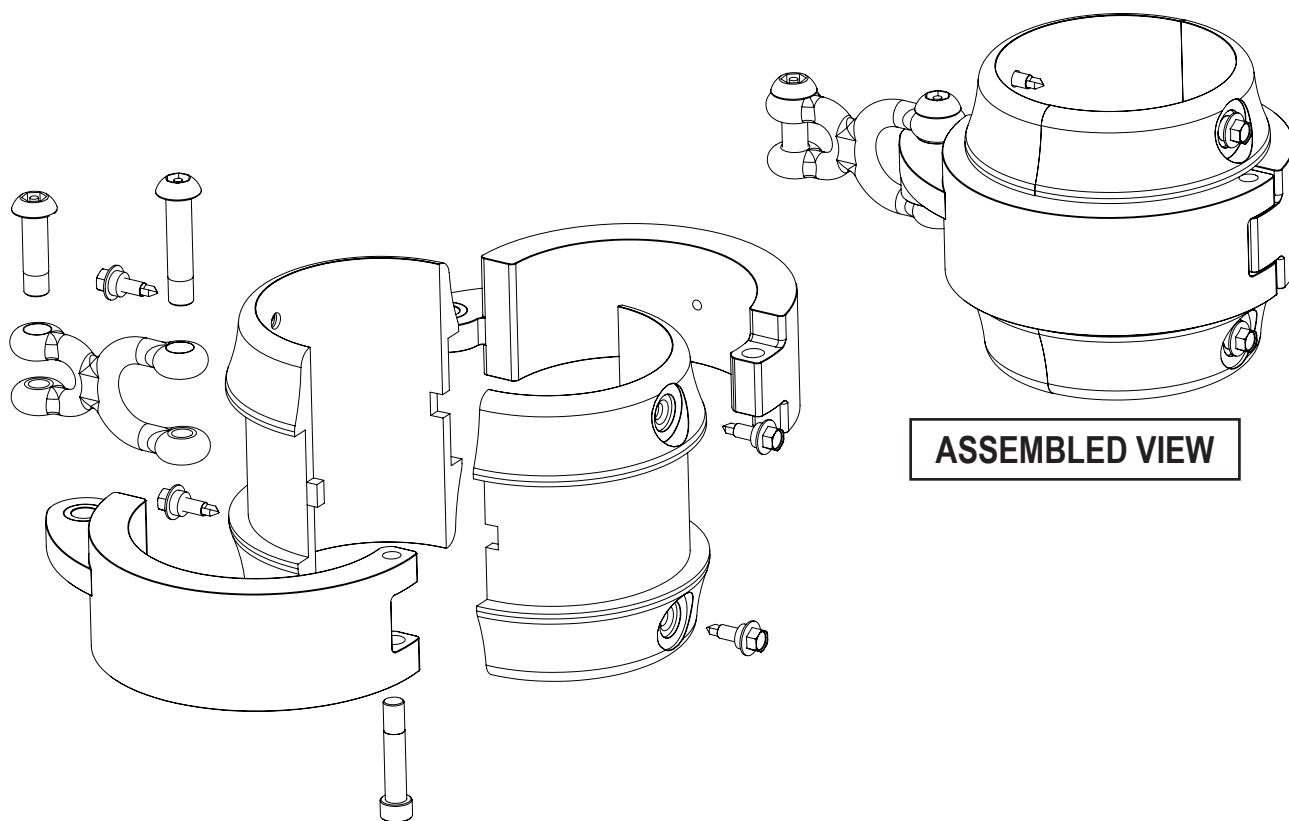


**PN 929415\* FRAME - 5.00"  
STEEL ARCH SWING (ADD  
BAY)**

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

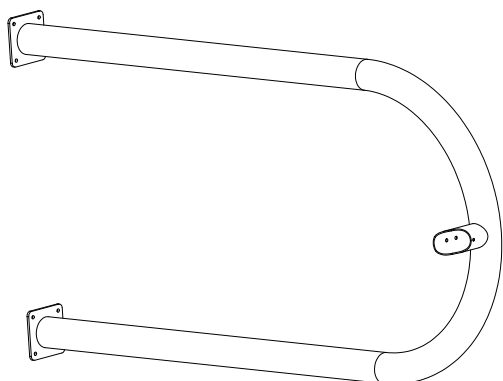
### PARTS IDENTIFICATION



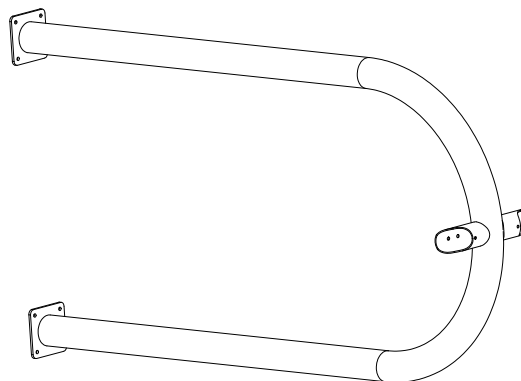
ASSEMBLED VIEW

EXPLODED VIEW

PN 102422 ANTI WRAP SWING HANGER 3 1/2" TOP RAIL



PN 929426\* FRAME-5.00"  
STEEL ARCH SWING (SM)



PN 929427\* FRAME-5.00" STEEL  
ARCH SWING (ADD BAY)SM

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

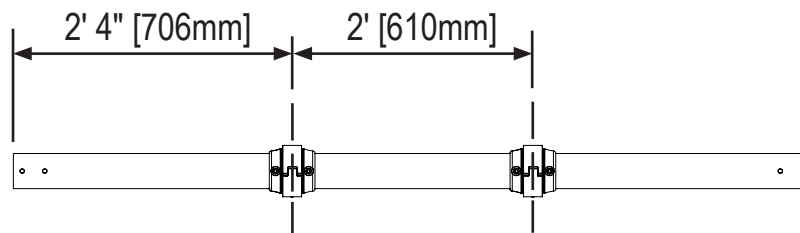
### **STEP 1** DIG FOOTINGS (IF APPLICABLE)

1a. Refer to Footing Layout and Construction Drawings for inground and surface mount footing criteria for installation. Surface mount model can be placed on either a 4" concrete slab or a concrete footing. For inground footings, place blocking material in bottom of footing holes.

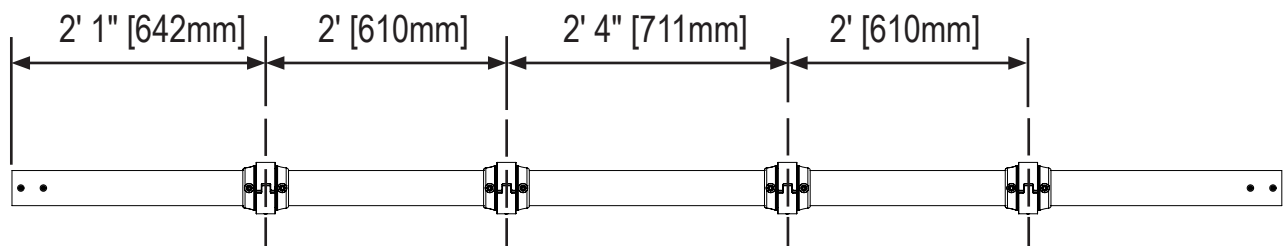
*Note: Do not pour concrete for footings until model is fully assembled per instructions and braced in position, leveled and plumbed.*

### **STEP 2** MARK TOP RAILS FOR HANGER PLACEMENT

2a. Mark top rails for anti-wrap swing hanger placement. Measure from **end** of top rail to **center** of anti-wrap swing hanger as shown below.



**PN 929419\* TOP RAIL-3.5"OD X 79.58" (ANTI-WRAP)**



**PN 929418\* TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)**

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### STEP 3 ASSEMBLE AND ATTACH ANTI-WRAP SWING HANGERS

3a. Locate anti-wrap swing hanger. Remove H-shackle using a wrench with pin hole to remove tamper proof bolt. Set bolt aside. Open hanger into halves and remove plastic collar.

3b. *Illustration 1* - Centering plastic collar on mark made on top rail in Step 2, set top half on rail. Attach with included hardware as shown.

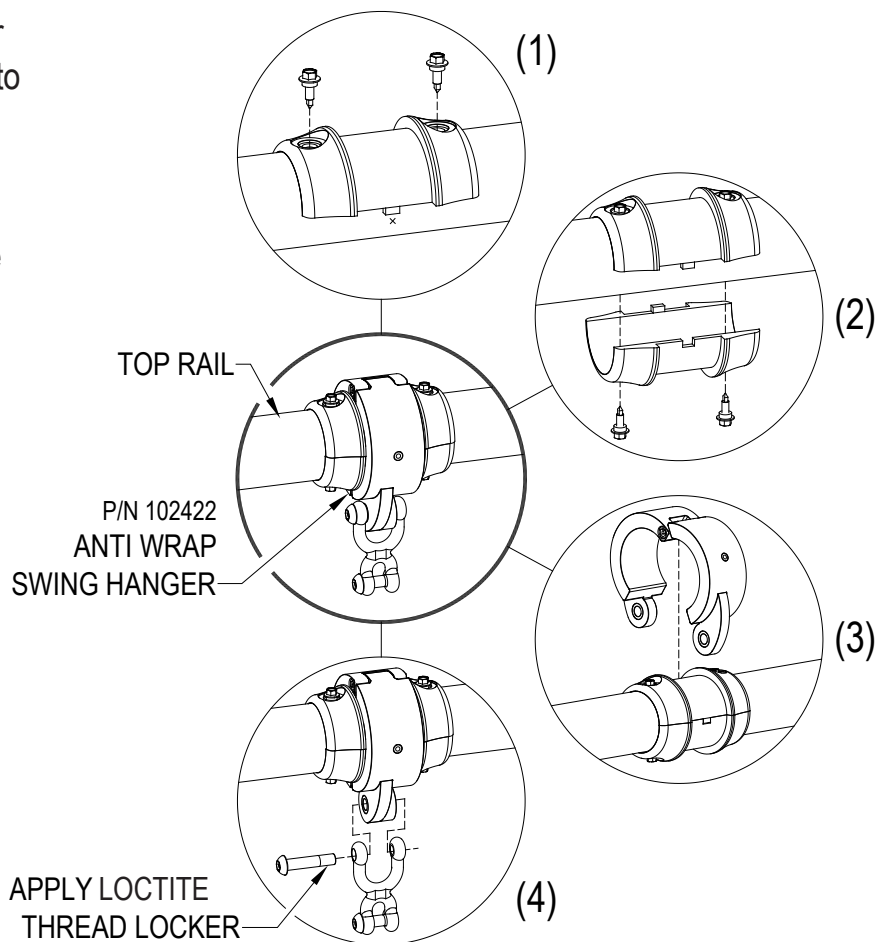
3c. *Illustration 2* - Repeat with bottom collar half. **NOTE: Plastic collar halves will NOT COMPLETELY MATE on top rail. Align tab with notch, and ensure gap between collar halves is equal on both sides of top rail.**

3d. *Illustration 3* - Place steel hanger around plastic collar.

3e. *Illustration 4* - Apply loctite threadlocker to end of tamper proof bolt. Attach H-shackle to hanger via tamper proof bolt. Tighten all hardware.

3f. Using a grease gun, place

hanger to swing freely.



## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

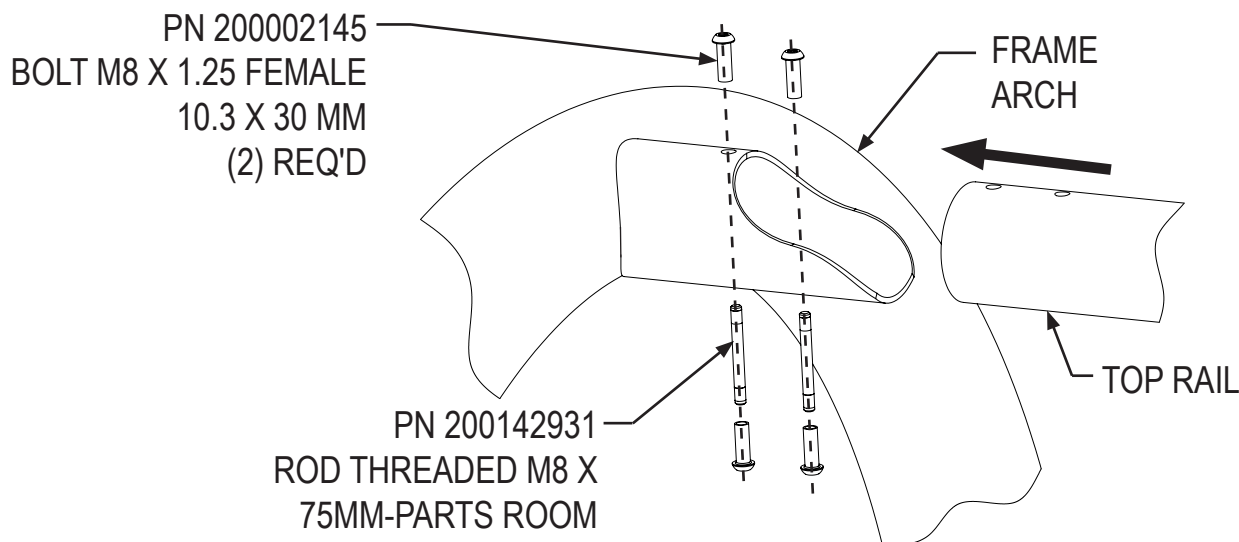
(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### **STEP 4** FASTEN TOP RAIL TO ARCHES

4a. Set arches on ground with stubs facing each other. Firmly seat ends of top rail over each arch stub, aligning mating bolt holes.

4b. Install bolts through top rail and arch stub in two places; repeat at other end of top rail.

*Install Tip: Once top rail is in stub, all eight bolt holes must be aligned. If necessary for alignment, run a 11/16" drill bit through all eight holes. Do not allow bit to wander, creating a larger hole.*



### **STEP 5** SET FRAME ARCH INTO FOOTINGS

5a. Repeat *Step 4* for remaining arches and top rails, if applicable.

5b. For inground model, lift frame assembly and set in footings. Surface mount model will be attached to concrete with anchor bolts in *Step 6*. Ensure that frame arches are plumb and that top rails are level. Block in position so that bottom surface of top rails are **96"** (8'- 0")



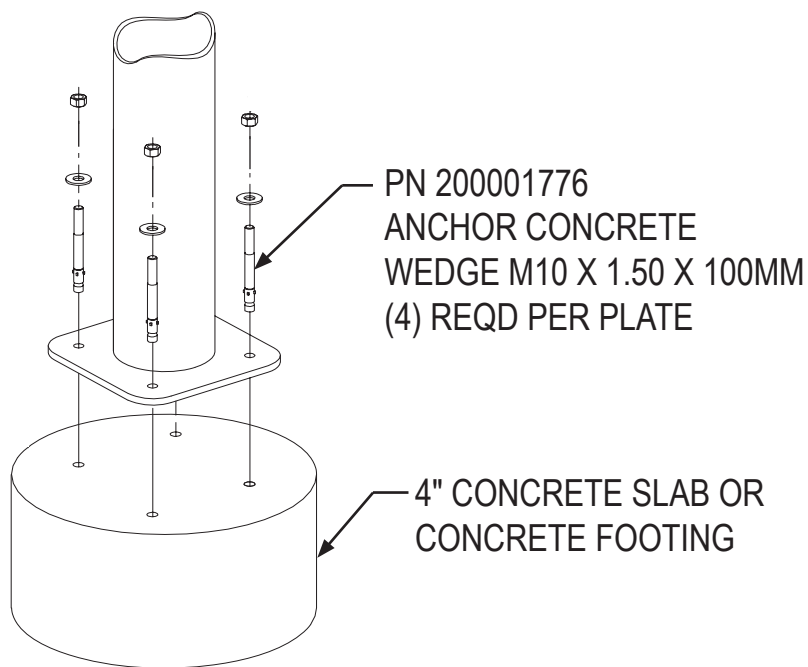
## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

### STEP 6 POUR CONCRETE (IF APPLICABLE)

6a. Rope off area to prevent access and pour concrete; allow to cure for 72 hours. For surface mount models, see illustration below.

***Important Note:*** Do not hang swing chains and seats until concrete has fully cured per concrete manufacturer's instructions (usually 72 hours) and protective surfacing is installed, to avoid risk of injury to users and damage to play equipment.



**SURFACE MOUNT FOOTING**

### STEP 7 INSTALL LABELS

7a. Install age appropriate labels per "Placement of Age Appropriate Labels" located in Installations 101 in Installation Manual.

### FINAL STEP

Proceed with **Final Assembly installation** located behind *Installations 101* in Installation Manual. Assemble swing chains and seats per separate instructions.

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers****(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay**

<b>5" 2 SEAT ARCH SWING W/AW LT0943</b>		
CODE	DESCRIPTION	QTY
929414*	FRAME -5.00" STEEL ARCH SWING ( for inground)	2
929426*	FRAME-5.00" STEEL ARCH SWING (SM) (for surface mount)	
929418*	TOP RAIL-3.5"OD X 126.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	2
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

<b>5" 2 SEAT ARCH SWING ADD-A-BAY W/AW LT0945</b>		
CODE	DESCRIPTION	QTY
929415*	FRAME - 5.00" STEEL ARCH SWING (ADD BAY) (for inground)	1
929427*	FRAME-5.00" STEEL ARCH SWING (ADD BAY)SM (for surface mount)	
929418*	TOP RAIL-3.5"OD X 126.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	2
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

## Arch Swing Frames 5" with Anti-Wrap Swing Hangers

(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay

<i>5" 1 SEAT ARCH SWING W/AW LT0947</i>		
CODE	DESCRIPTION	QTY
929414*	FRAME - 5.00" STEEL ARCH SWING (for inground)	2
929426*	FRAME-5.00" STEEL ARCH SWING (SM) (for surface mount)	
929419*	TOP RAIL-3.5"OD X 79.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	1
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

<i>5" 1 SEAT ARCH SWING ADD-A-BAY W/AW LT0949</i>		
CODE	DESCRIPTION	QTY
929415*	FRAME - 5.00" STEEL ARCH SWING (ADD BAY) (for inground)	1
929427*	FRAME-5.00" STEEL ARCH SWING (ADD BAY)SM (for surface mount)	
929419*	TOP RAIL-3.5"OD X 79.58" (ANTIWRAP)	1
994825	PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422	1
928468	PC F/ARCH SWING	1
928469	PC F/BD ARCH SWINGS (for surface mount)	1
925105	HDWR BAG OF LABELS F/5-12 FS PPLT	1

**Arch Swing Frames 5" with Anti-Wrap Swing Hangers****(inground and surface mount) 2 Seat, 2 Seat Add-A-Bay, 1 Seat, 1 Seat Add-A-Bay*****PARTS CARTON (2) ANTI-WRAP 3 1/2" 102422 994825***

CODE	DESCRIPTION	QTY
102422	ANTI WRAP SWING HANGER 3 1/2" TOP RAIL	2
104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

***PC F/ARCH SWING 928468***

CODE	DESCRIPTION	QTY
HW928468-1	HRDW PKG ARCH SWINGS S1/1	1
200142931	ROD THREADED M8 X 75MM-PARTS ROOM	4

***HRDW PKG ARCH SWINGS S1/1 HW928468-1***

CODE	DESCRIPTION	QTY
200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	8
104478	BIT T-50 FOR 7/16 6-LOBE BHD BOLT	1
104480	BIT 6 LOBE T-45 FOR 3/8 BOLTS	1

***PC F/BD ARCH SWINGS 928469***

200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	16

***HDWR BAG OF LABELS F/5-12 FS PPLT 925105***

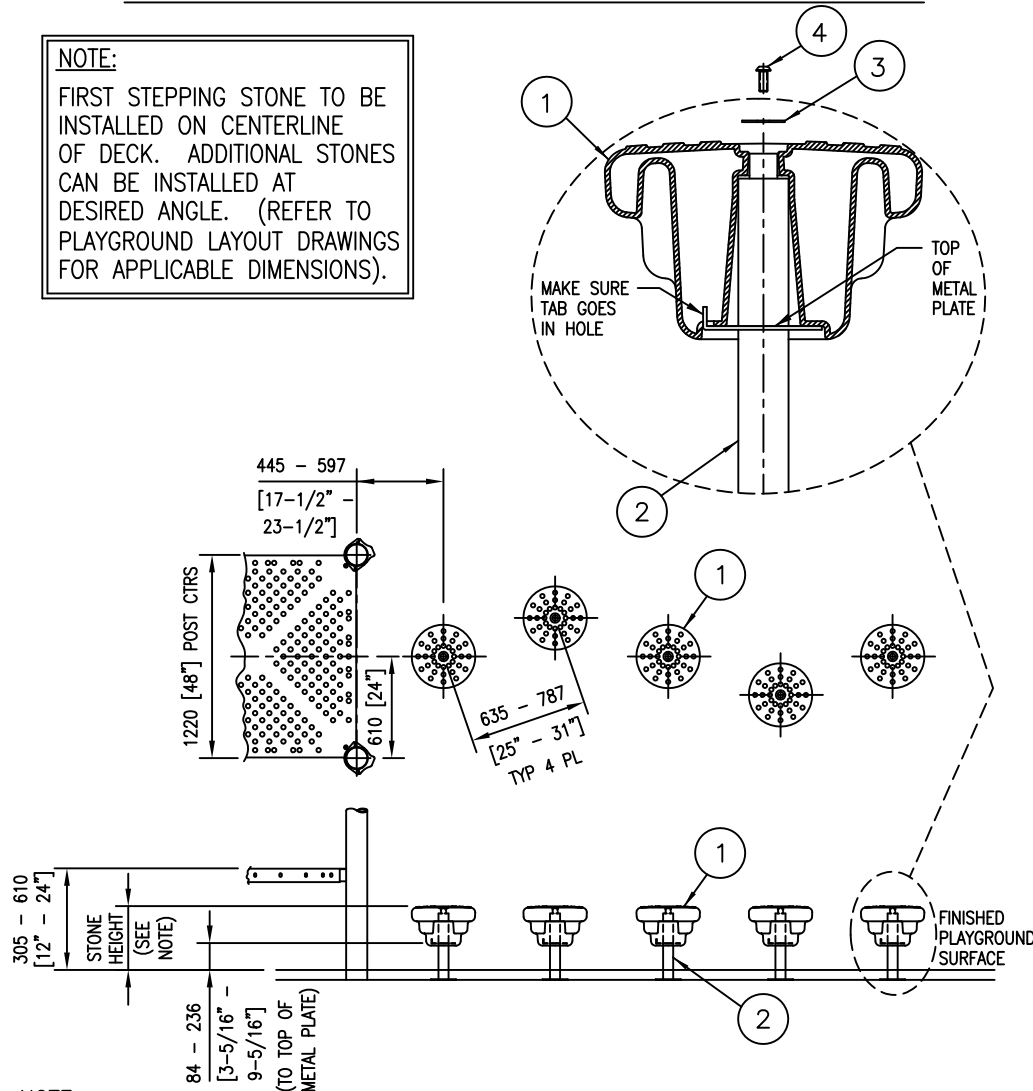
CODE	DESCRIPTION	QTY
200182847	LABEL ID/AGE 5-12	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200104307	LABEL AGE APP. (5 TO 12 YRS.) LT	1
116099	LABEL, PLAY SMART RULES	1



## STEPPING STONES

### NOTE:

FIRST STEPPING STONE TO BE INSTALLED ON CENTERLINE OF DECK. ADDITIONAL STONES CAN BE INSTALLED AT DESIRED ANGLE. (REFER TO PLAYGROUND LAYOUT DRAWINGS FOR APPLICABLE DIMENSIONS).



### NOTE:

THE STANDARD HEIGHT IS 381mm [15"] ABOVE FINISHED GROUND SURFACE HEIGHT CAN VARY FROM 305mm [12"] - 457mm [18"] (INGROUND FOOTING WILL BE ADJUSTED TO ACCOMMODATE)

## STEPPING STONES

200092701  
KB500007D  
SHEET 1 OF 1

### STEPPING STONES 200092591

Item	Code	Description	Qty.*
1	-	PLASTIC STONE	1*
2	-	POST F/STONE PODS (INGROUND OR SURFACE MT.)	1*

### HDWR BAG F/SINGLE STEPPING STONE 200093810

Item	Code	Description	Qty.*
3	117988	WASHER FLAT 1/4 X 2 X .125 SS	1*
4	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25mm	1*

\* ITEMS WILL VARY PER SALES ORDER.

### Application

- INSTALL OFF OF A 305mm - 610mm [12" - 24"] DECK ONLY.

### Maintenance

- ROUTINELY CHECK ALL HARDWARE.
- INSPECT ALL PAINTED SURFACING FOR DAMAGE.

### Installation Instructions

1. DIG FOOTINGS OR PREPARE SITE FOR SURFACE MOUNTING IF NECESSARY.
2. PLUMB POSTS F/STONE PODS AND SECURE THE POSTS TO THE FOOTING. FOR INGROUND INSTALLATION, POUR CONCRETE FOOTINGS.
3. ATTACH STONES TO POSTS AS SHOWN IN DETAIL.
4. INSTALL RESILIENT GROUND SURFACING.

AUTHORIZED BY:  
TRACY ARCHER

02MAY17

### Specifications

#### ANCHORS

MATERIAL: RDTB ILG 60.3 [2-3/8"] X 3.0 [1/8"] TUBING.

COLOR: AS SELECTED FROM STD. COLOR RANGE.  
FINISH: ELECTROSTATICALLY APPLIED DRY POWDER POLYESTER PAINT.

#### STEPS

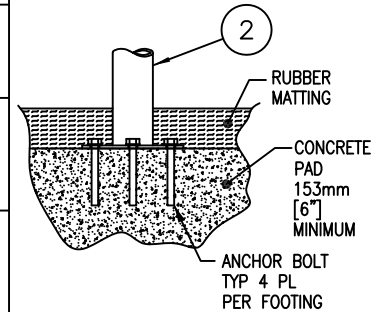
MATERIAL: ROTATIONALLY MOLDED LINEAR LOW DENSITY POLYETHYLENE.

COLOR: AS SELECTED FROM STD. COLOR RANGE.  
FINISH: NONE.

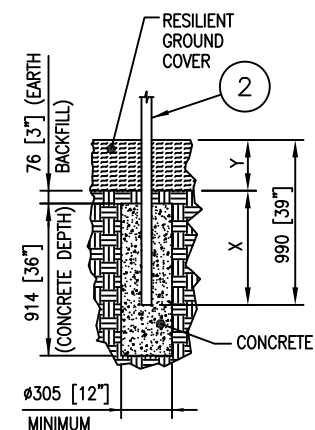
#### FASTENERS

FINISH: STAINLESS STEEL (METRIC).

#### Surface Mount Footing Detail



#### Inground Footing Detail



X PLUS Y = 990mm

# INST F/NRG FREESTYLE HUB

200313248  
NRG60001B  
SHEET 1 OF 6  
14JAN13  
AUTHORIZED BY:  
ERIC CLOWDUS

## 200202989 NRG FREESTYLE 2 UP HUB

Item	Code	Description	Qty
1A	-	RAIL 2 HUB F/NFS	1
2	200173898	RING PLASTIC SMALL F/STAND N SPIN	1
3	200173899	RING PLASTIC LARGE F/STAND N SPIN	1
4	200309038	RAIL SHROUD	4

## 200315658 HDWR BAG F/NFS 2 UP HUB

5	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	5
6	200002079	WASHER FLAT M11 23 X 12 X 1.6	17
7	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	6
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	5
9	200002133	BOLT M8 X 1.25 MALE 27.5 MM	6

## 200202884 NRG FREESTYLE 3 UP HUB

Item	Code	Description	Qty
1B	-	RAIL 3 HUB F/NFS	1
2	200173898	RING PLASTIC SMALL F/STAND N SPIN	1
3	200173899	RING PLASTIC LARGE F/STAND N SPIN	1
4	200309038	RAIL SHROUD	6

## 200310578 HDWR BAG F/NFS 3 HUB

5	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	5
6	200002079	WASHER FLAT M11 23 X 12 X 1.6	23
7	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	9
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	5
9	200002133	BOLT M8 X 1.25 MALE 27.5 MM	9

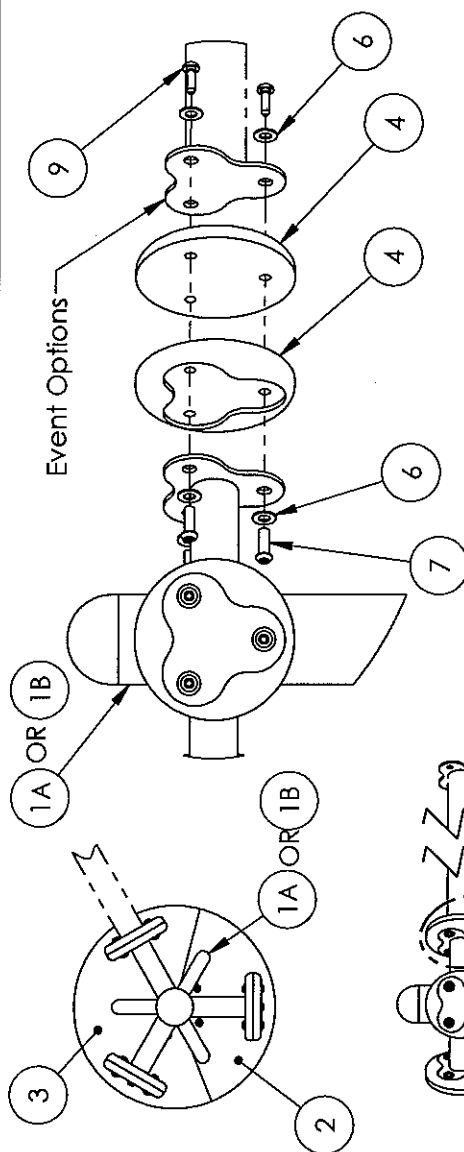
### Application

- Hub is not a play event. Rail 2 Hub must be installed with QTY 2 play events and Rail Hub 3 must be installed with QTY 3 play events available for NRG Freestyle Rail System.

- Age group: 5 - 12 year olds

### Installation Instructions

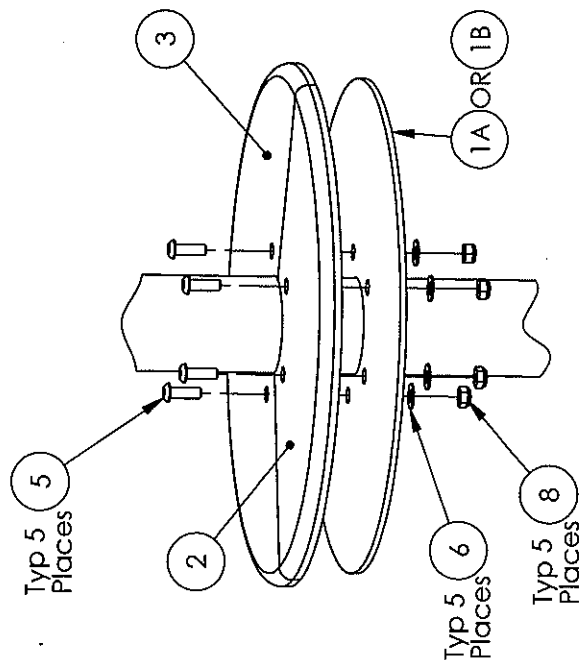
1. Prepare footings per footings details on sheet 3.
2. Install platform (items 2 & 3) as shown in DETAIL 1.
3. Attach overhead events per DETAIL 2.
4. Complete footings and install approved resilient surfacing material.



DETAIL 2  
3 Places

Multiple event options available

See DETAIL 2



DETAIL 1

Finished Playground Surface

284mm [11-1/4"]

# INST F/NRG FREESTYLE HUB

200313248  
NRG60001B  
SHEET 2 OF 6  
AUTHORIED BY: 14JAN13  
ERIC CLOWDUS

## BEFORE STARTING INSTALLATION OF YOUR LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"

This playevent is designed to suit a level site. Should there be any slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

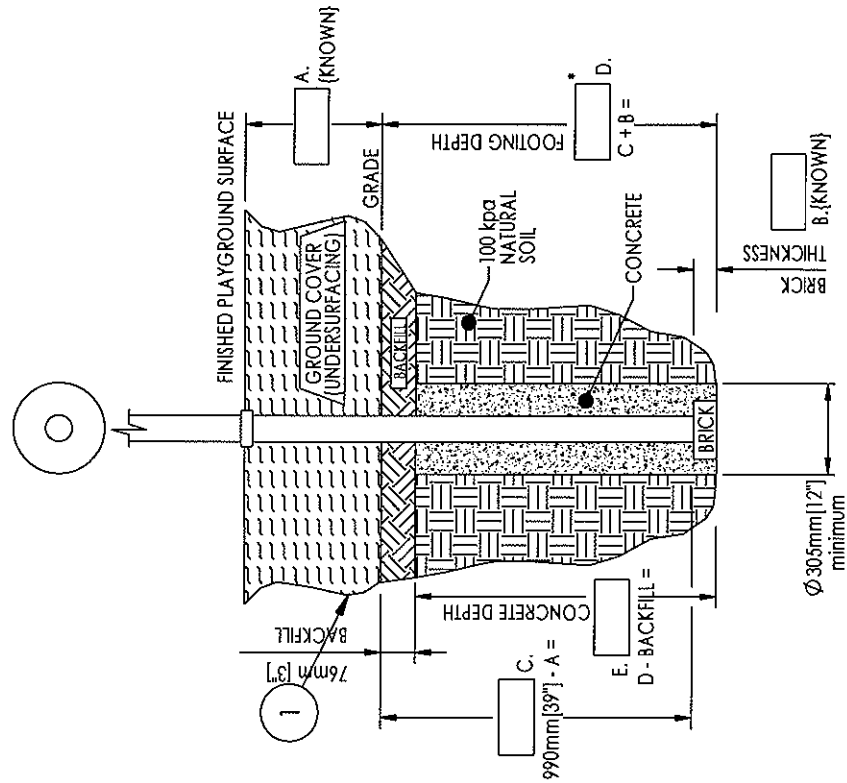
As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm [3.5"] to 229mm [9"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

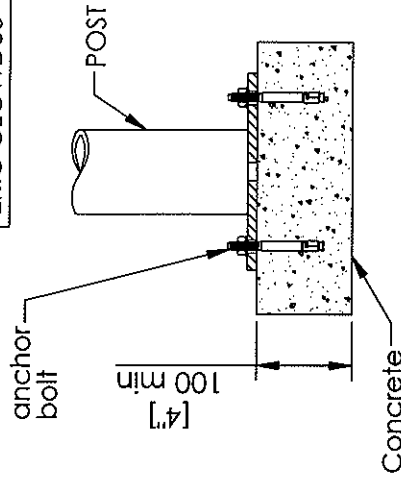
The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

**ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.**

## POST FOOTING DETAIL



## INGROUND



## SURFACE MOUNT

1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E)
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 990mm [39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm [39"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.  
\* MINIMUM 610mm [24"] + BRICK THICKNESS.
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm [3"] (BACKFILL).

### HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ m}^3 \times \left\{ \frac{\text{CONCRETE DEPTH [mm]}}{915} \right\} \times \text{No. OF FOOTING HOLES} = \text{m}^3$$

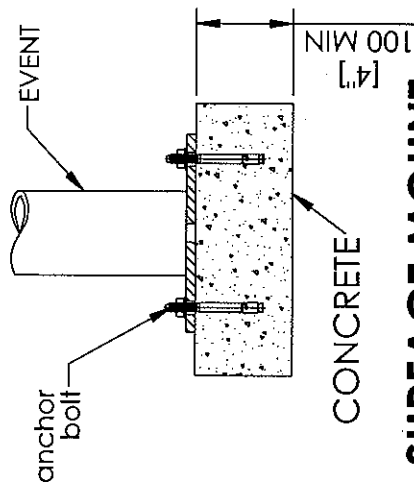
$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH [in]}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.

If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.



## EVENT FOOTING DETAIL



## SURFACE MOUNT

1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E)
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 685mm[27"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 685mm[27"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.  
\*MINIMUM 305mm[12"] + BRICK THICKNESS  
FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

### HOW MUCH CONCRETE?

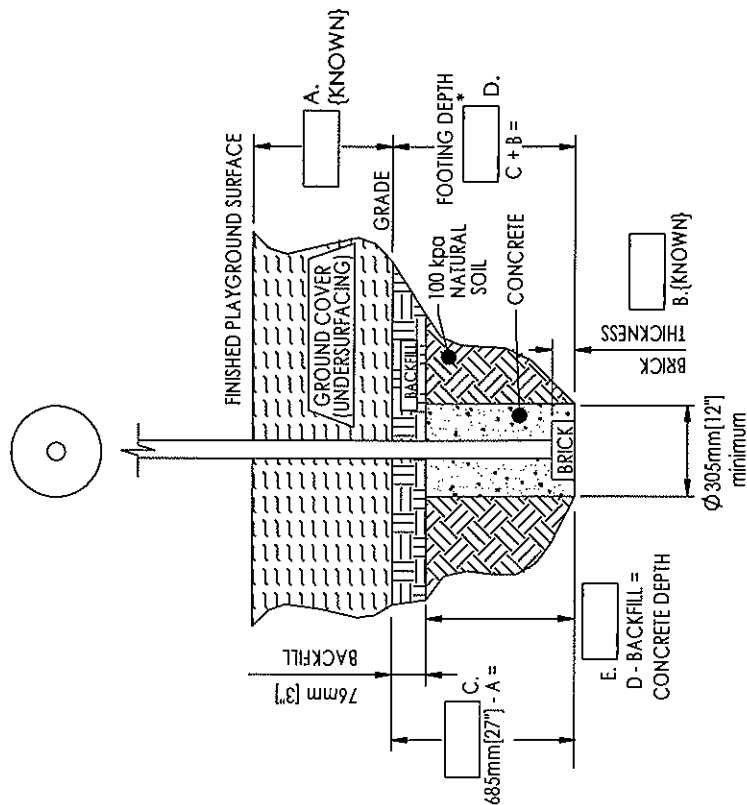
VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ m}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (mm)}}{915} \right\} \times \text{No. OF FOOTING HOLES} = \text{m}^3$$

$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (IN)}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.

## INGROUND



If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-6828. They will be able to provide you with the information you require.

# INST F/NRG FREESTYLE HUB

200313248  
NRG60001B  
SHEET 5 OF 6  
AUTHOR: BY: 14JAN13  
ERIC CLOWDUS

## LABELS:

Safety Labels have been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the potential safety risk involved if a fall onto a hard surface occurs. It is important when installing your playground equipment to display this label in a prominent location on each structure.

The label should be placed such that it will:

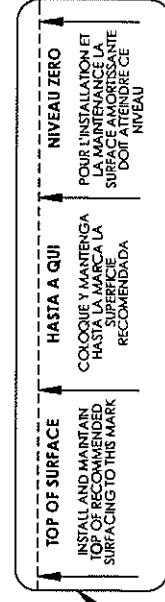
- 1) be readily visible to the intended viewer.
- 2) alert the viewer to the potential hazard in time to take appropriate action.

Surfacing labels have been provided to assist with the installation of your ground cover. After installing your ground cover, these labels should be placed on posts by the installer. Attach a label to a post so that the line is level with the ground cover as erosion or compaction of the surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing. If the surfacing is worn away, it greatly reduces its effectiveness.

PLAYGROUND EQUIPMENT INSTALLED OVER HARD SURFACES SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS. MAKE SURE THAT APPROPRIATE SAFETY SURFACING IS PRESENT, BEFORE ALLOWING CHILDREN TO PLAY.

CHILDREN HAVE STRANGLED AND DIED WHEN THEIR CLOTHING CAUGHT ON SLIDES AND OTHER PLAYGROUND EQUIPMENT. BEFORE ALLOWING CHILDREN TO PLAY, REMOVE HELMETS, SCARVES, NECKLACES, HOOD CORDS, NECK DRAWSTRINGS, AND MITTENS CONNECTED THROUGH SLEEVES. ALSO REMOVE ANY FOREIGN ROPES, STRINGS, OR SHOE LACES THAT MAY BE TIED TO THE EQUIPMENT.

ALL PLAYGROUND EQUIPMENT AND RUBBER SAFETY SURFACING MAY BECOME HOT ENOUGH TO CAUSE BURNS. CHECK FOR HOT SURFACES BEFORE ALLOWING CHILDREN TO PLAY. CHILDREN SHOULD WEAR APPROPRIATE SHOES AT ALL TIMES.



# INST F/NRG FREESTYLE HUB

200313248  
NRG60001B  
SHEET 6 OF 6  
AUTHORIED BY: 14JAN13  
ERIC CLOWDUS

1A

40mm [1-1/2"]  
Surface Mount

305mm [12"]  
Surface Mount

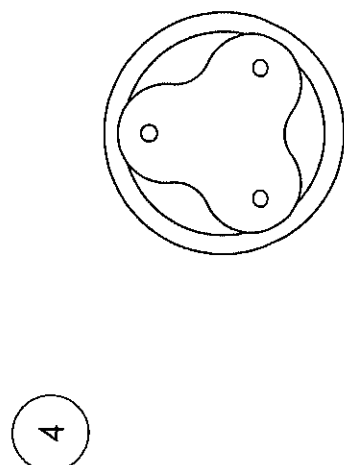
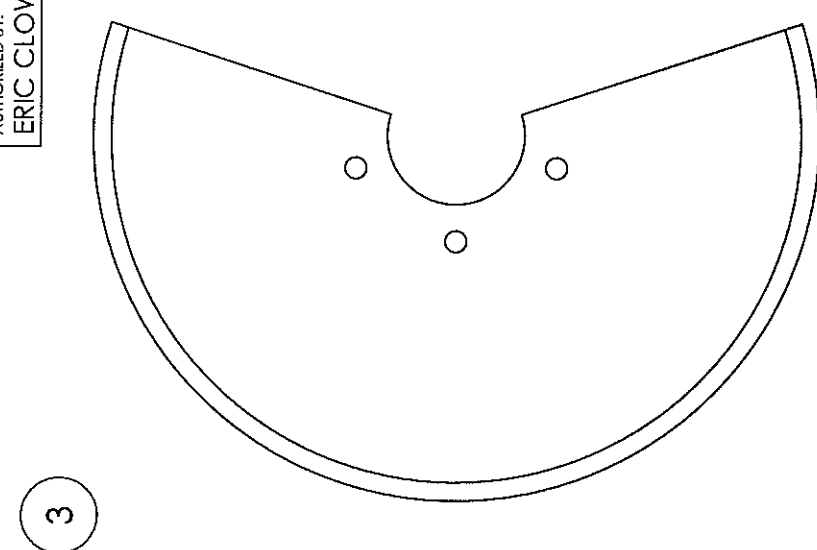
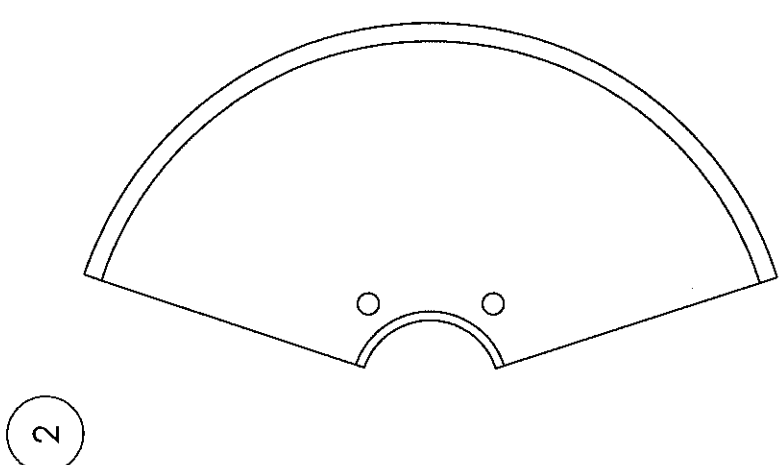
Inground Mount

1B

40mm [1-1/2"]  
Surface Mount

305mm [12"]  
Surface Mount

Inground Mount



# INST F/NRG FREESTYLE OVERHEADS

200313254

NRG60007B

SHEET 1 OF 3

AUTHORIZED BY: 03JAN17  
Dustin Imel

NRG FREESTYLE RING TREK 200202890

Item	Code	Description	Qty
1A	-	ASSY RING TREK RAIL F/NFS	1

NRG FREESTYLE INLINE RAIL 200202891

Item	Code	Description	Qty
1B	-	INLINE RAIL F/NFS	1

NRG FREESTYLE LOOP RAIL 200202892

Item	Code	Description	Qty
1C	-	LOOP RAIL F/NFS	1

NRG FREESTYLE FUNWHEEL 200202894

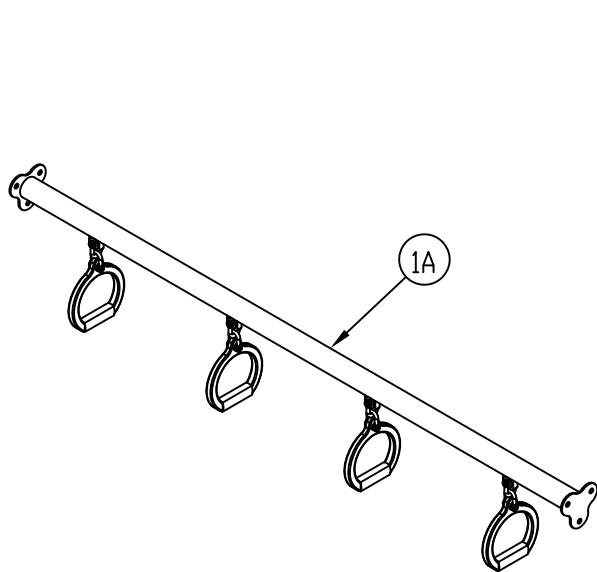
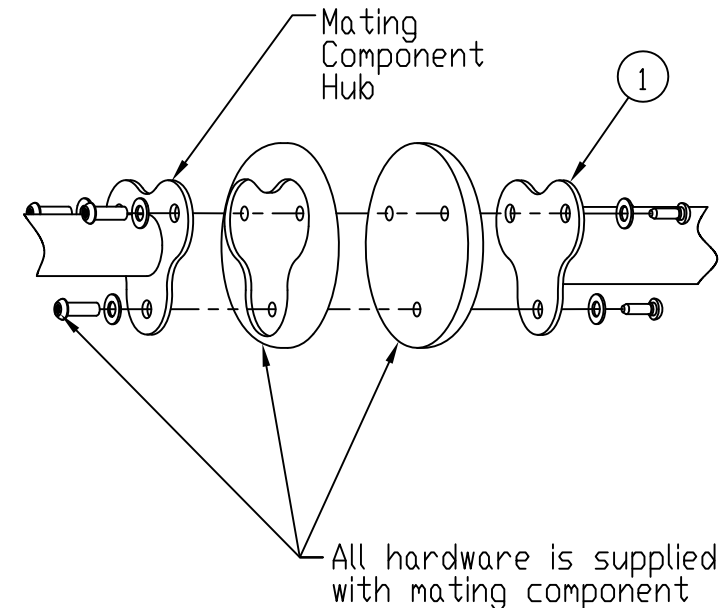
Item	Code	Description	Qty
1D	-	ASSY FUNWHEEL F/NFS	1

Application

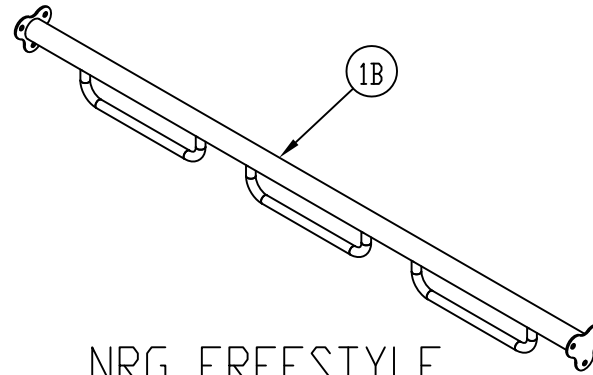
- Age group: 5 - 12 year olds

Installation Instructions

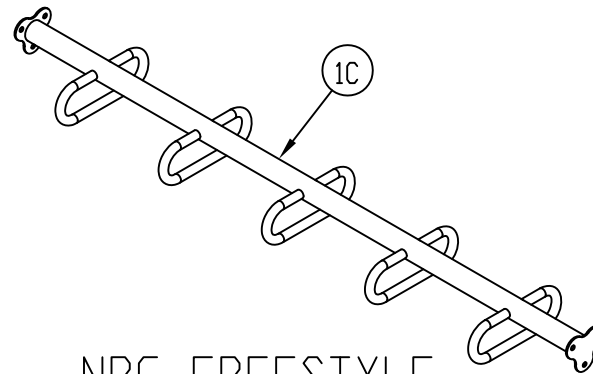
1. Attach overhead to hubs on mating components as shown on mating component installation instruction.



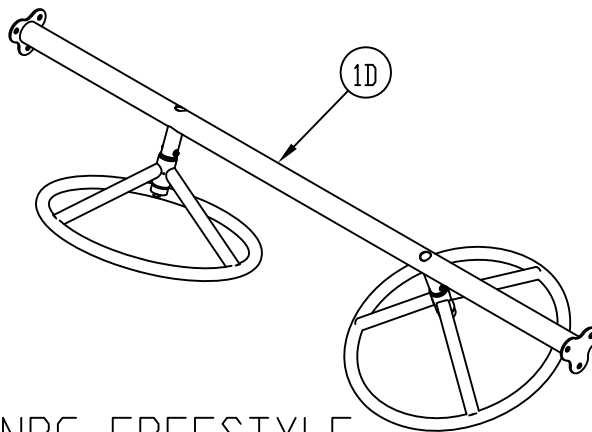
NRG FREESTYLE  
RING TREK



NRG FREESTYLE  
INLINE RAIL



NRG FREESTYLE  
LOOP RAIL



NRG FREESTYLE  
FUNWHEEL

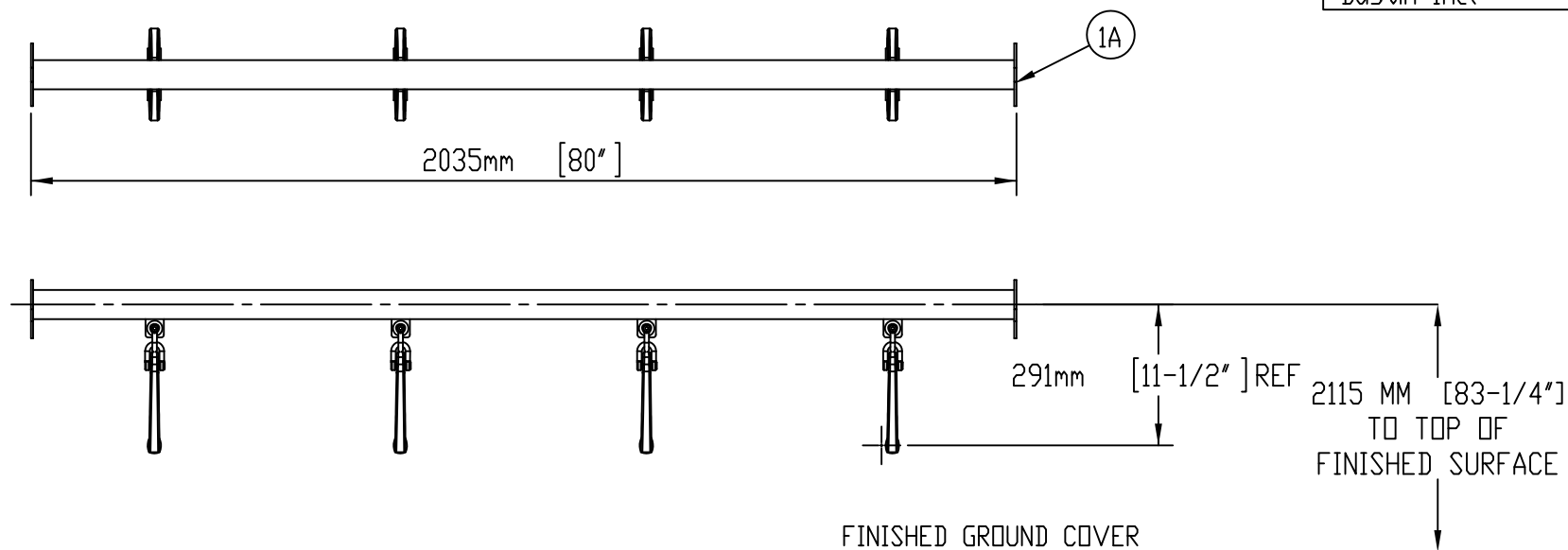
# INST F/NRG FREESTYLE OVERHEADS

200313254

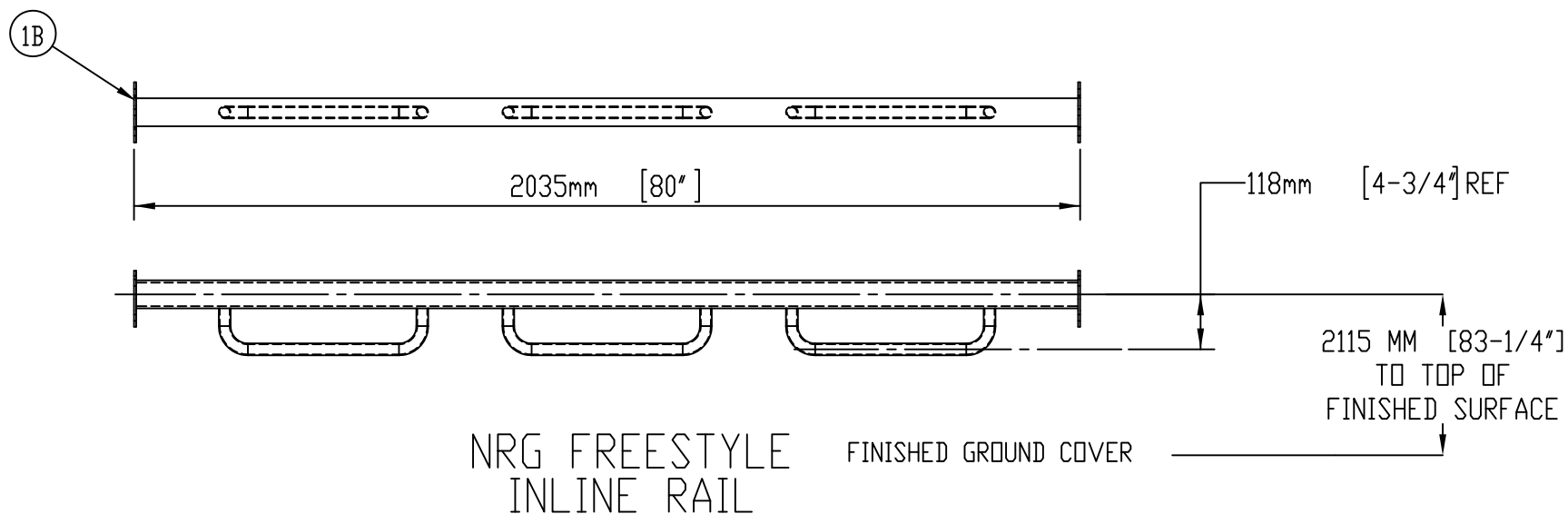
NRG60007B

SHEET 2 OF 3

AUTHORIZED BY: 03JAN17  
Dustin Imel



NRG FREESTYLE  
RING TREK



NRG FREESTYLE  
INLINE RAIL

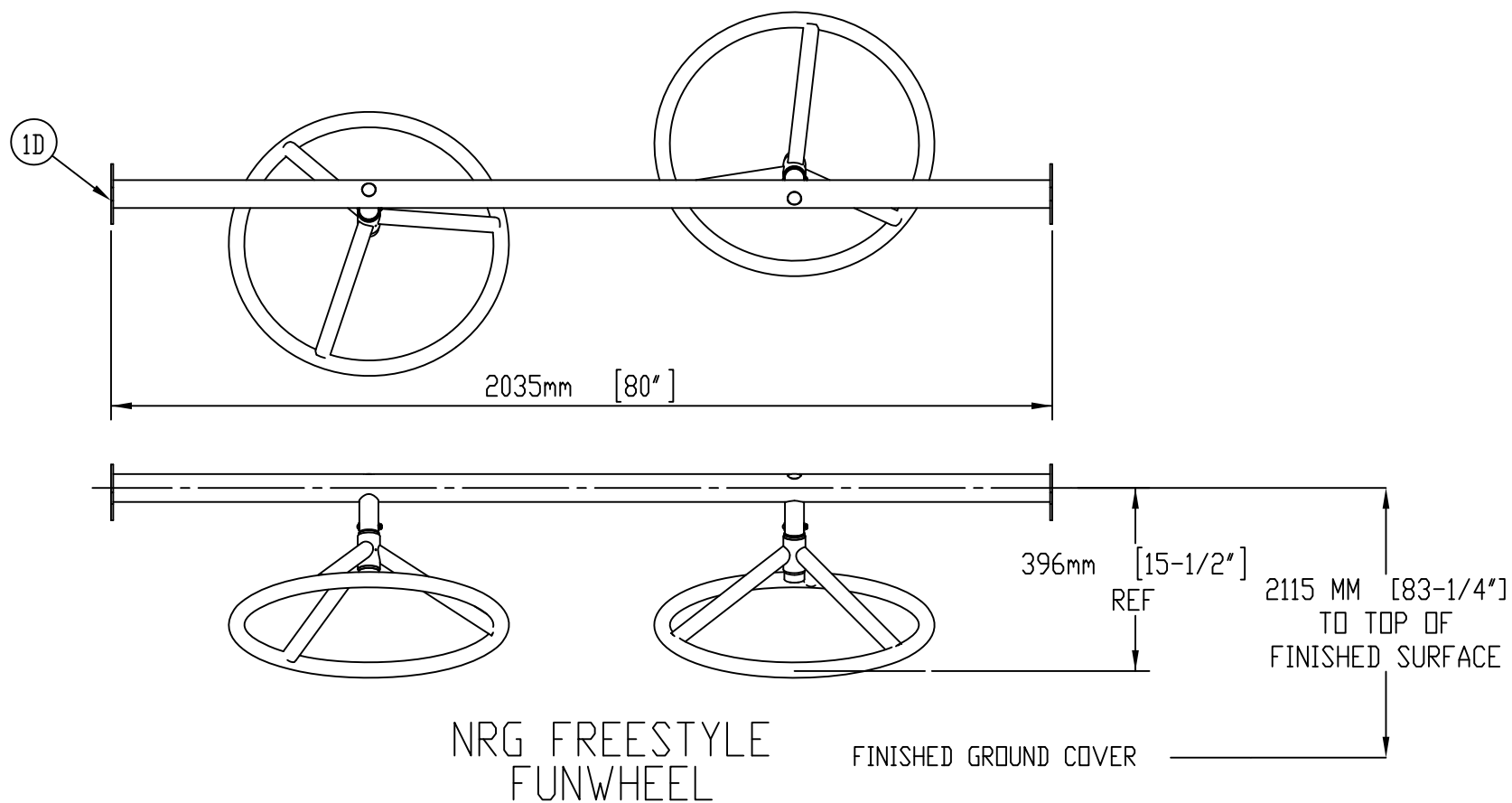
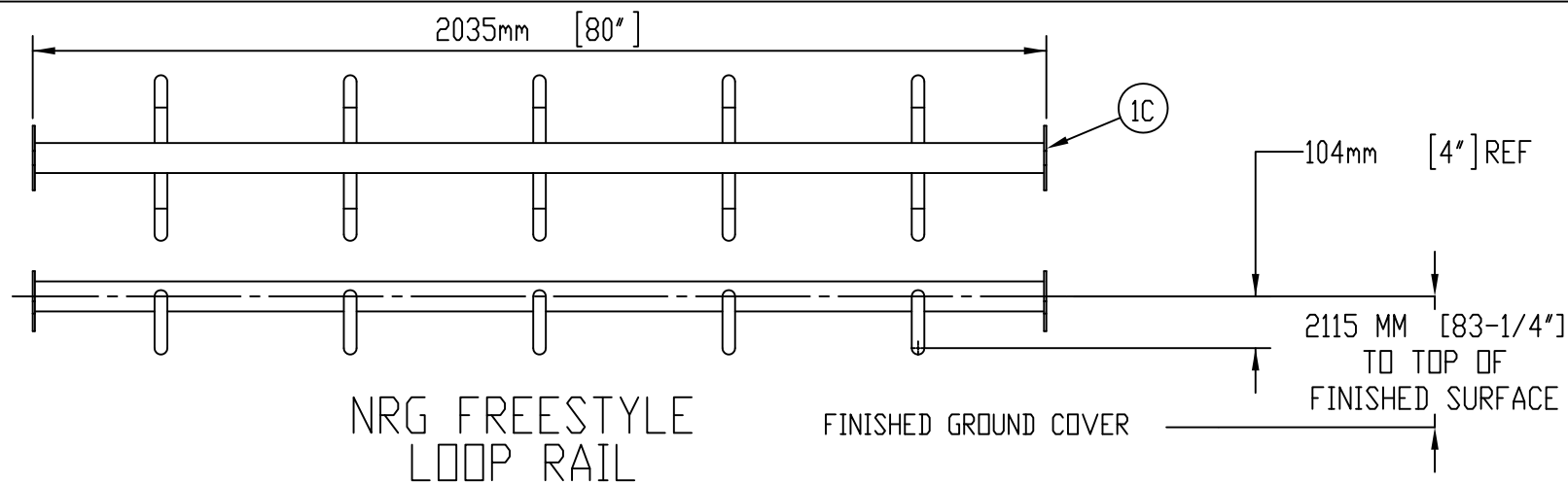
# INST F/NRG FREESTYLE OVERHEADS

200313254

NRG60007B

SHEET 3 OF 3

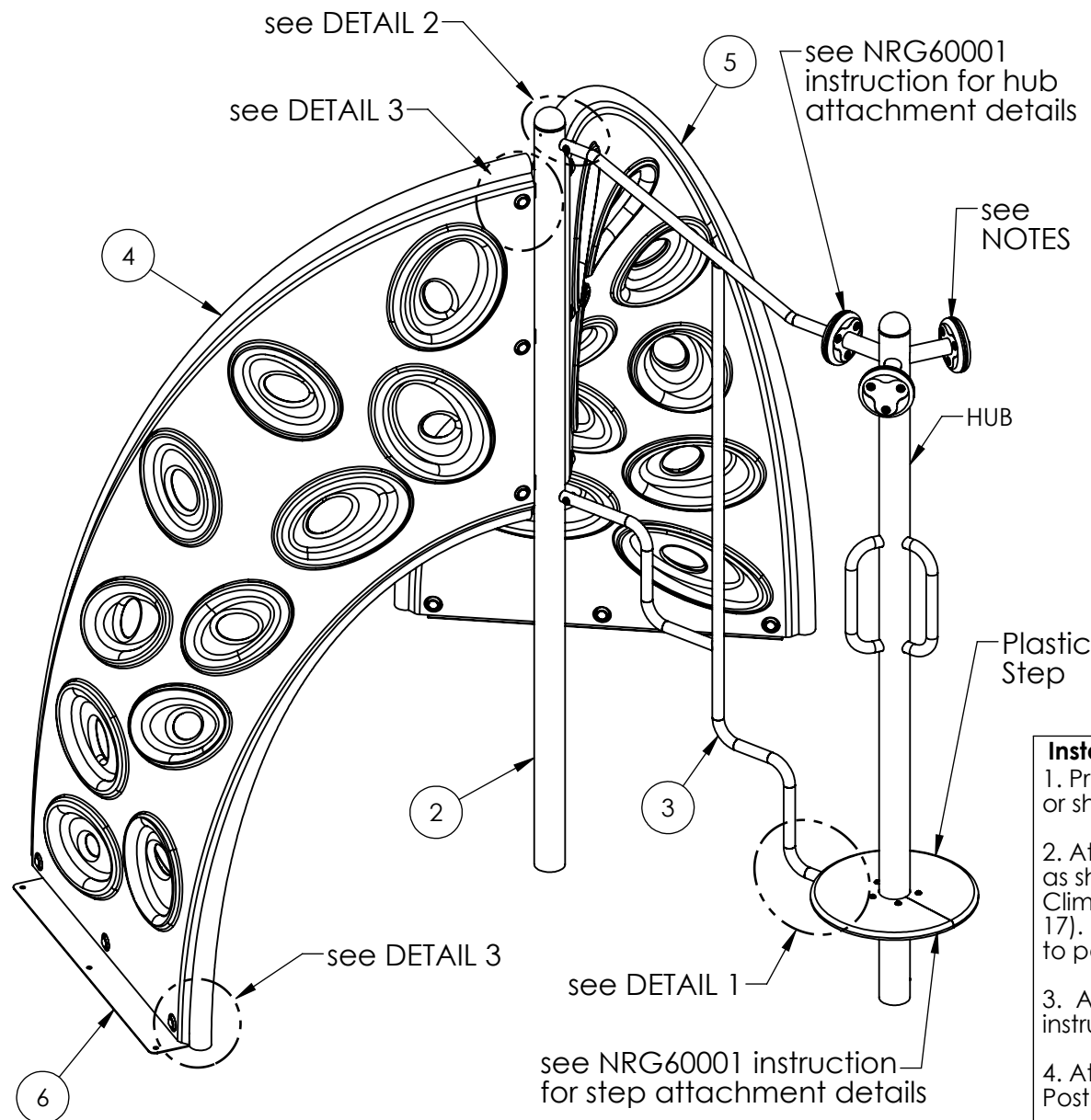
AUTHORIZED BY: 03JAN17  
Dustin Imel



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

# INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

200313260  
NRG60013B  
SHEET 1 OF 6  
AUTHORIZED BY: 11MAR13  
ERIC CLOWDUS



## NOTES:

1. Event may be used on multiple play systems. See front of installation manual, or NRG60001 FREESTYLE HUB INSTRUCTION for footing details.
2. Hubs may have 2 or 3 arms on them depending on the customer order.

## NRG FREESTYLE SIDESTEP INF SPOKE 200203117

Item	Code	Description	Qty
1	-	HUB (PROVIDED SEPARATELY)	1
2	-	SIDESTEP SPOKE POST F/NFS	1
3	-	SIDE STEP INFINITY SPOKE F/NFS	1
4	-	INFINITY CLIMBER (COLOR 1)	1
5	-	INFINITY CLIMBER (COLOR 2)	1
6	-	FOOTING INFINITY CLIMBER	2
7	-	CAP HDWR BASE	24
8	-	CAP HDWR COVER	24

## HDWR BAG F/NFS SIDESTEP INF SPOKE 200312884

9	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	14
10	200002133	BOLT M8 X 1.25 MALE 27.5 MM	2
11	200001826	CAP SCRW HEX HD M8 X 1.25 X 75MM W/PATCH	12
12	300002750	SCREW T-27 TORX ROUND WASHER HD	2
13	200058372	GASKET F/PB TABS (SMALL)	1
14	200002096	WASHER FLAT M10 34 OD X 11 ID X 3 MM SS	24
15	200002079	WASHER FLAT M11 23 X 12 X 1.6	24
16	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	4
17	200066126	DRIVER BIT T-27 TAMPER-RESISTANT F/PB	1

## Application

- Age group: 5 - 12 year olds

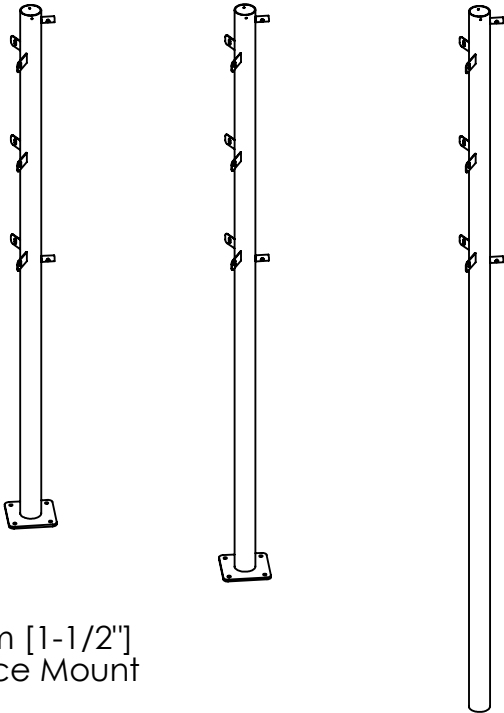
## Installation Instructions

1. Prepare footings per details on sheet 4 (40mm surface mount), or sheet 5 (305mm surface mount and inground mount).
2. Attach Sidestep Climber (item 3) to Hub Post upper connection as shown in NRG60001 instruction. Attach lower end of Sidestep Climber to Hub Post as shown in DETAIL 1, using the Driver Bit (item 17). **NOTE:** Do Not exceed 105 in-lbs torque when installing screws to post.
3. Attach plastic step to Hub Post as shown in NRG60001 instruction.
4. Attach other side of Sidestep Climber (item 3) to Sidestep Spoke Post (item 2) as shown in DETAIL 2.
5. Attach footings to ends of Infinity Climbers as shown in DETAIL 3.
6. Attach other ends of Infinity Climbers to Sidestep Spoke Post tabs (item 2) as shown in DETAIL 3.
7. Complete footings and install approved resilient surfacing material.

INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

200313260  
NRG60013B  
SHEET 2 OF 6  
AUTHORIZED BY: 11MAR13  
ERIC CLOWDUS

2

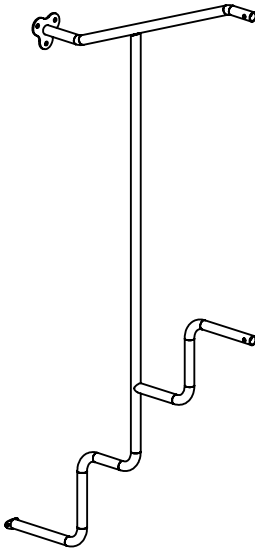


40mm [1-1/2"]  
Surface Mount

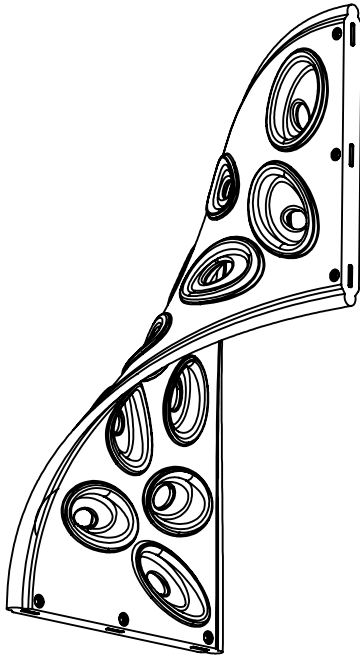
305mm [12"]  
Surface Mount

Inground Mount

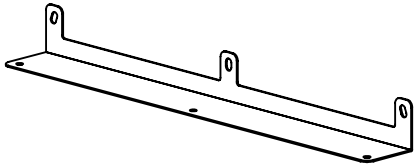
3



4 5

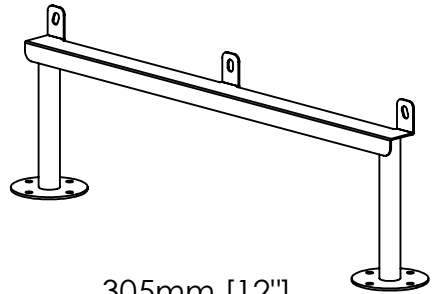


6A



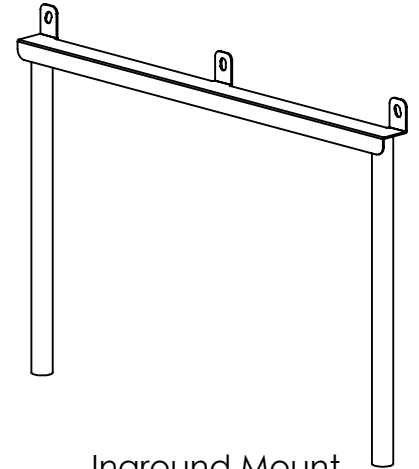
40mm [1-1/2"]  
Surface Mount

6B



305mm [12"]  
Surface Mount

6C

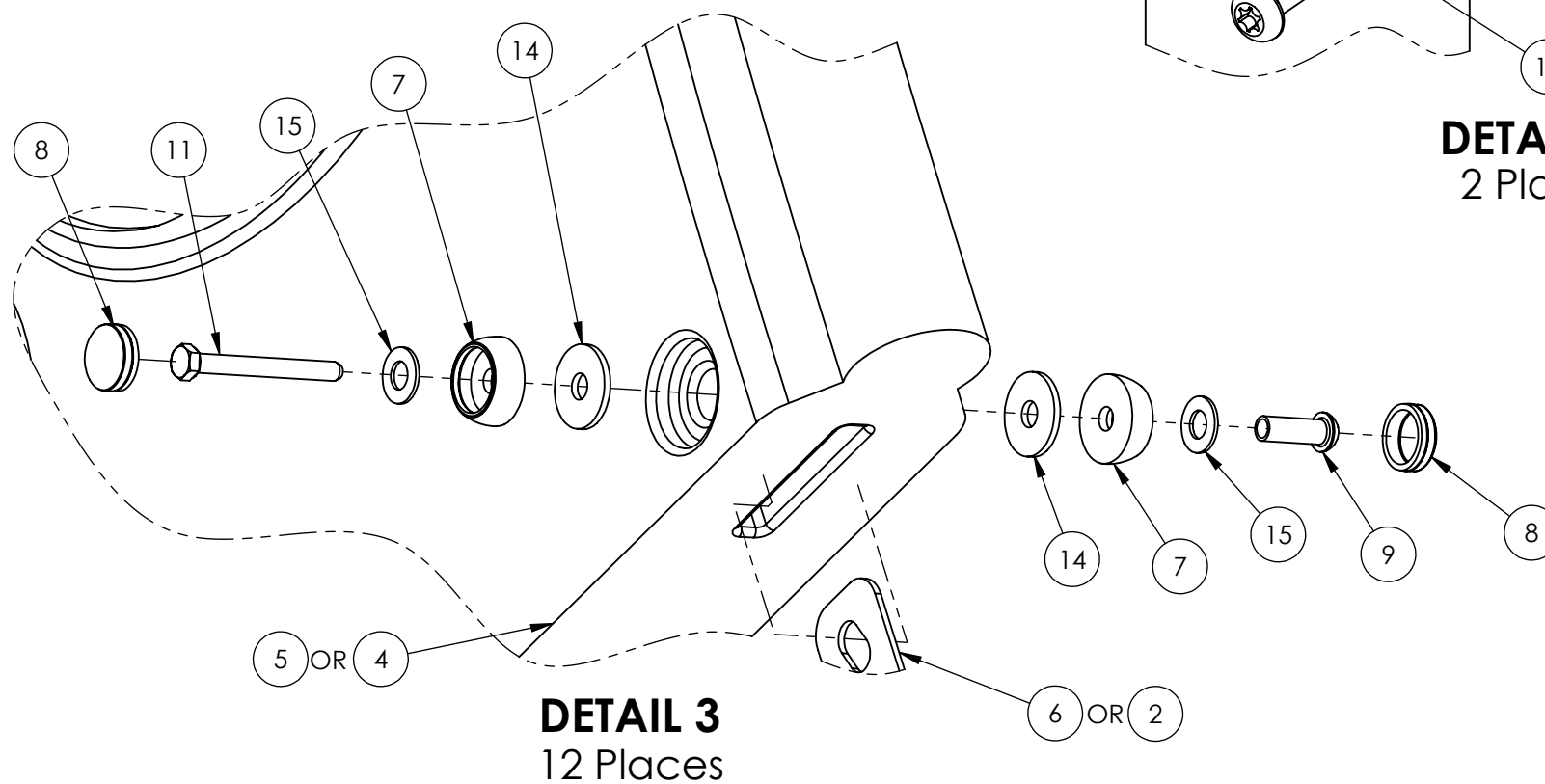
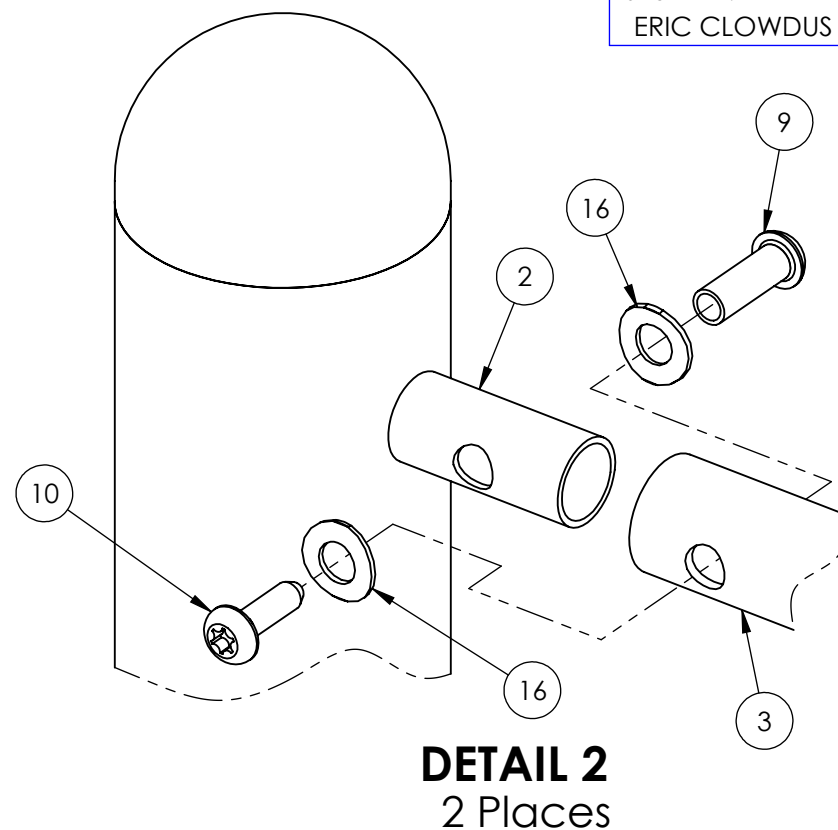
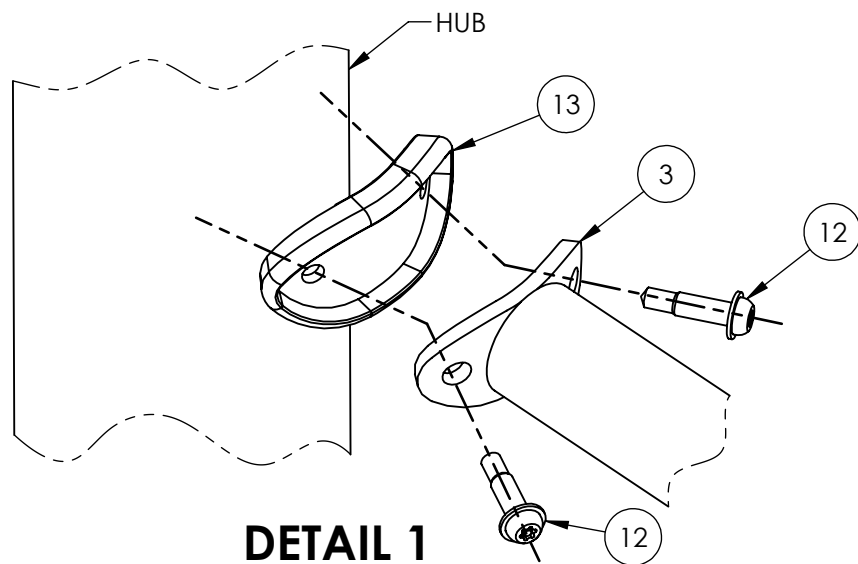


Inground Mount



# INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

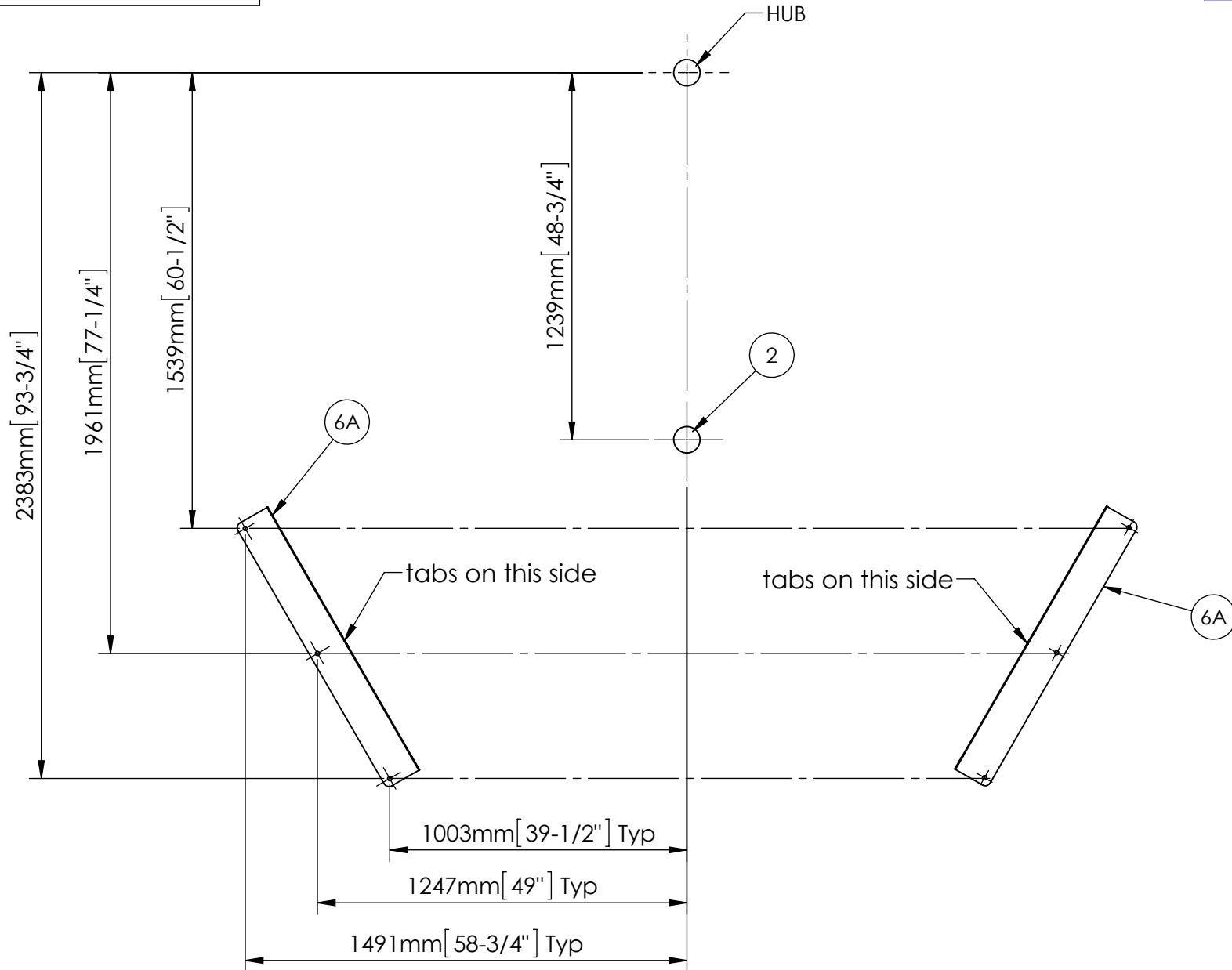
200313260  
NRG60013B  
SHEET 3 OF 6  
AUTHORIZED BY: 11MAR13  
ERIC CLOWDUS



# INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

200313260  
NRG60013B  
SHEET 4 OF 6  
AUTHORIZED BY: 11MAR13  
ERIC CLOWDUS

## FOOTING DIMENSIONS



**40mm [1-1/2"] Surface Mount**

# INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

200313260

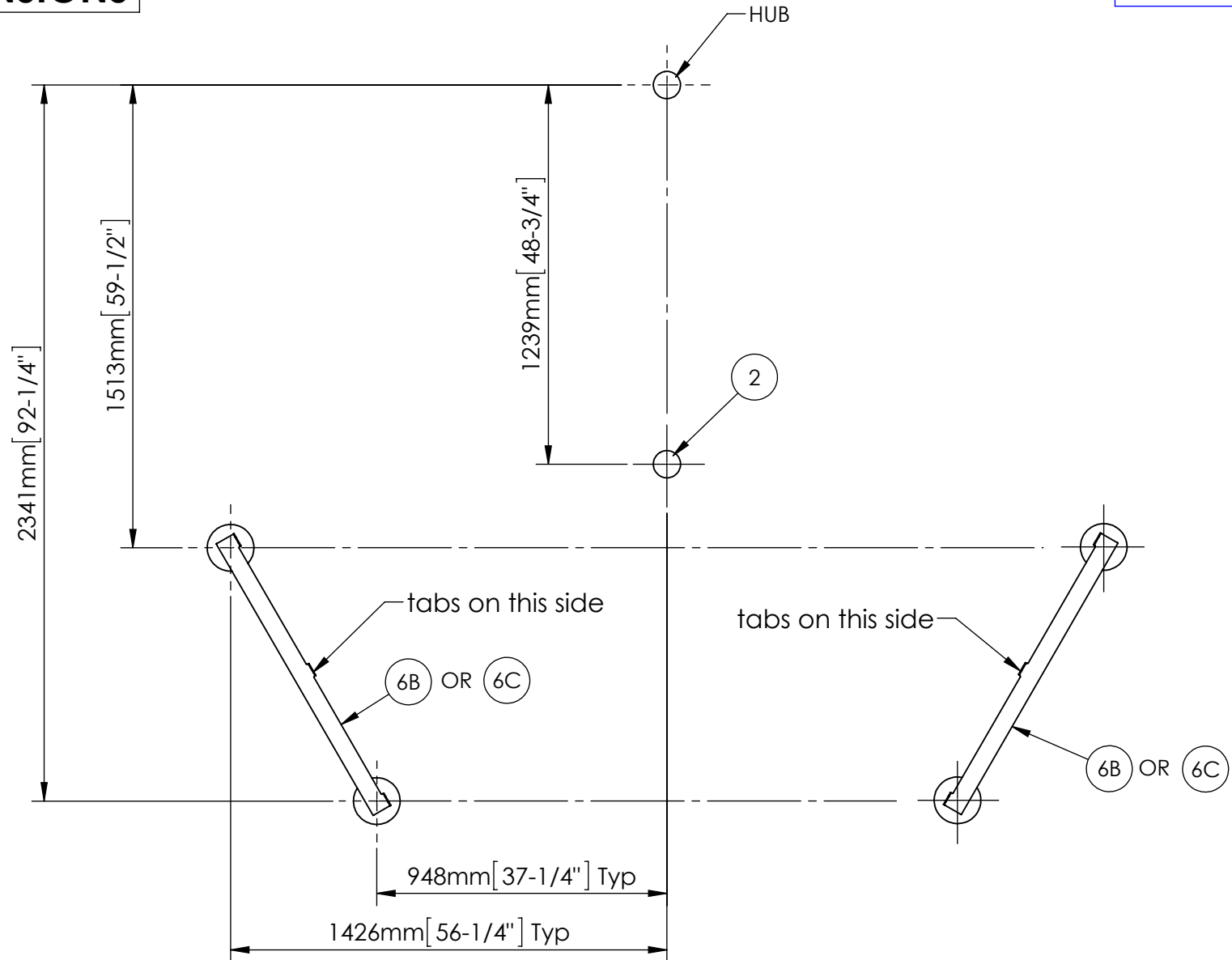
NRG60013B

SHEET 5 OF 6

AUTHORIZED BY: 11MAR13

ERIC CLOWDUS

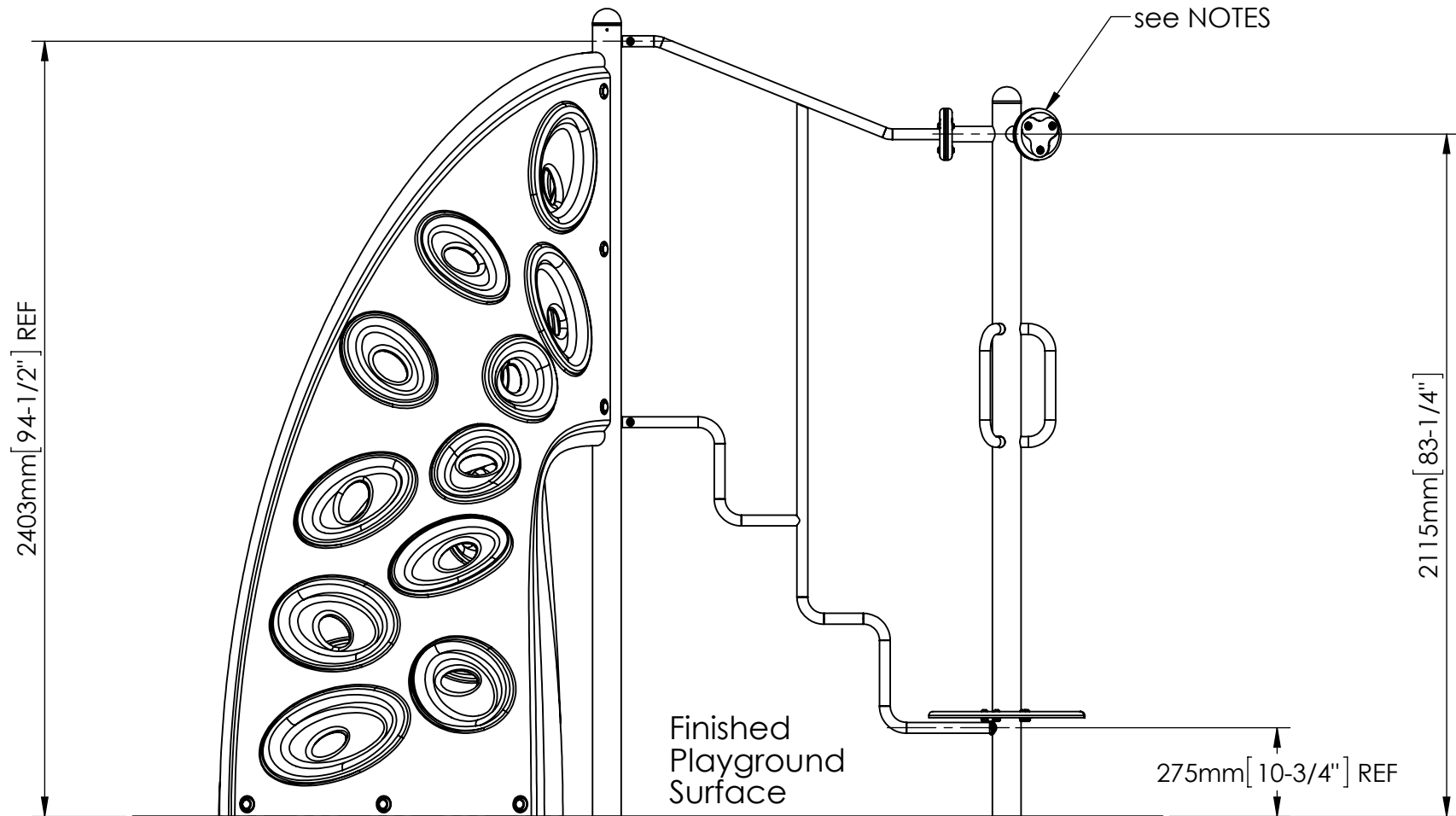
## FOOTING DIMENSIONS



**305mm [12"] Surface Mount and  
Inground Mount**

# INST F/NRG FREESTYLE SIDESTEP INFINITY SPOKE

200313260  
NRG60013B  
SHEET 6 OF 6  
AUTHORIZED BY: 11MAR13  
ERIC CLOWDUS



## NOTES:

1. Event may be used on multiple play systems. See front of installation manual, or NRG60001 FREESTYLE HUB INSTRUCTION for footing details.
2. For the 2 hub option, make sure the second hub is correctly aligned with playevent to be attached.



Project Number: R0324240162

PlayArea: PlayArea\_3 | KidBuilders

Project Name:

Project Location:

Sales Representative:

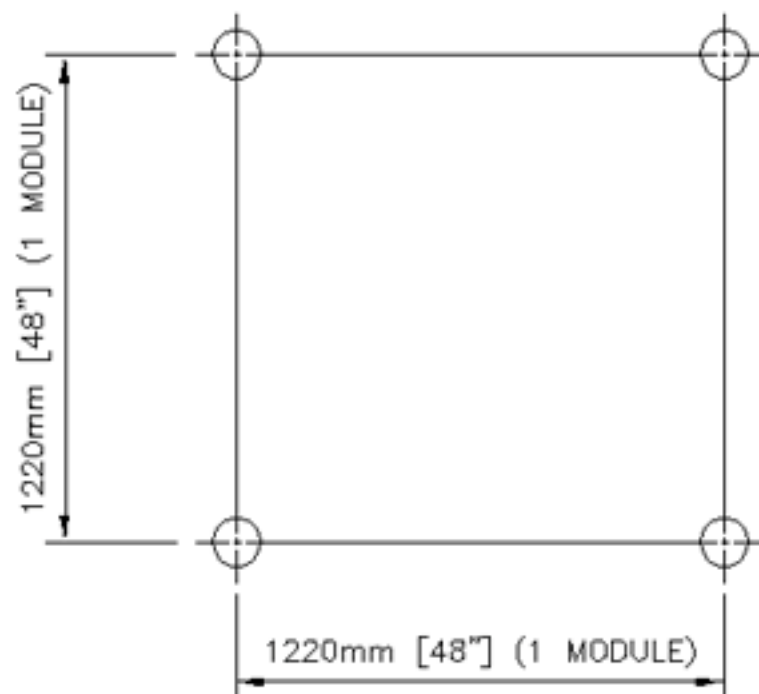
Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

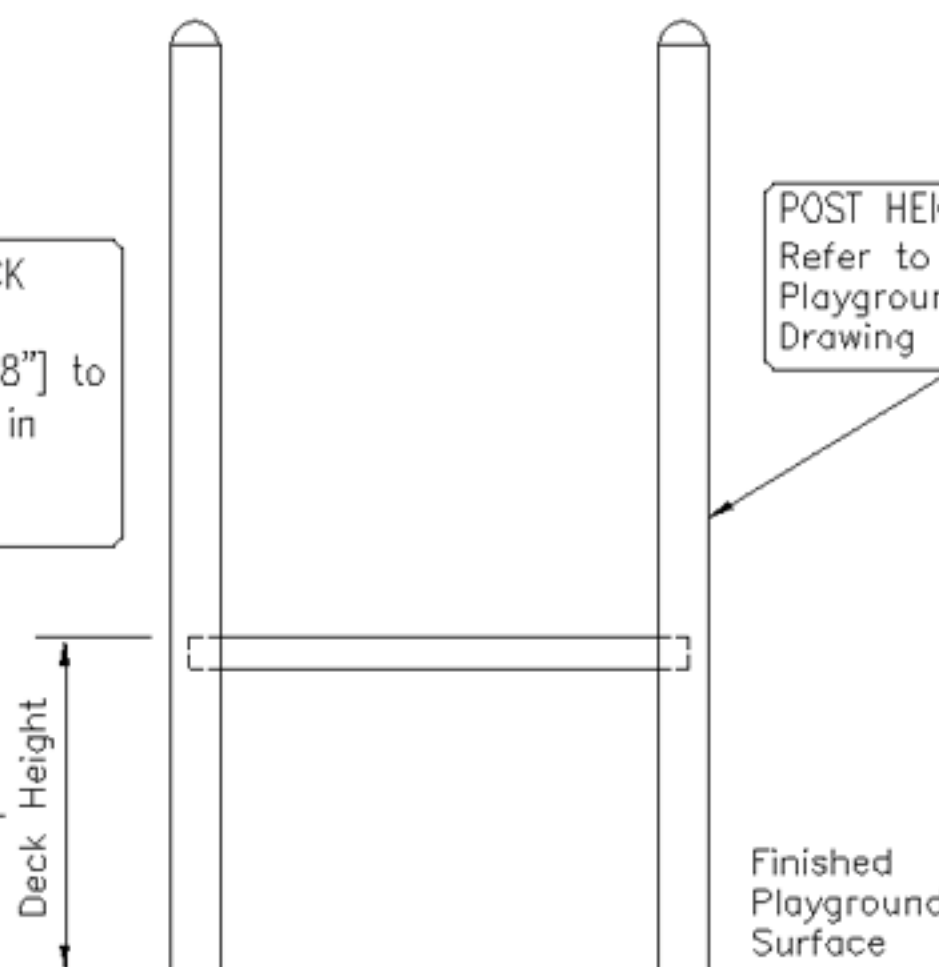
Please, read all information in this manual  
before starting to install your equipment.

Date: 5/13/2024 12:00:00 AM

Posts and decks of the Kid Builders system are based on a module of 1220mm [48"] x 1220mm [48"]



**STANDARD DECK HEIGHTS:**  
From 203mm[8"] to 2440mm[96"] in 203mm[8"] increments.



**POST HEIGHTS:**  
Refer to  
Playground Layout  
Drawing

Finished  
Playground  
Surface

**NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS**

BEFORE STARTING INSTALLATION OF YOUR KID BUILDERS PLAYGROUND, "PLEASE READ INSTRUCTIONS THOROUGHLY"

AUTHORIZED BY:  
*Chris M. MacLennan* 15MAR01

## SITE REQUIREMENTS:

The Kid Builder system is designed to suit a level site. Should there be any falls or slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

## MAINTENANCE:

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm[3.5"] to 228.6mm [9"], or string entanglements. Make certain the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

**ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.**

## SAFETY AREAS:

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

## INSTALLATION MANUAL:

We have tried to make this installation manual as comprehensive and factual as possible. Please note from time to time information may be changed or updated. Equipment shown or described throughout this manual may be changed. The right is reserved to make changes at any time without notice.



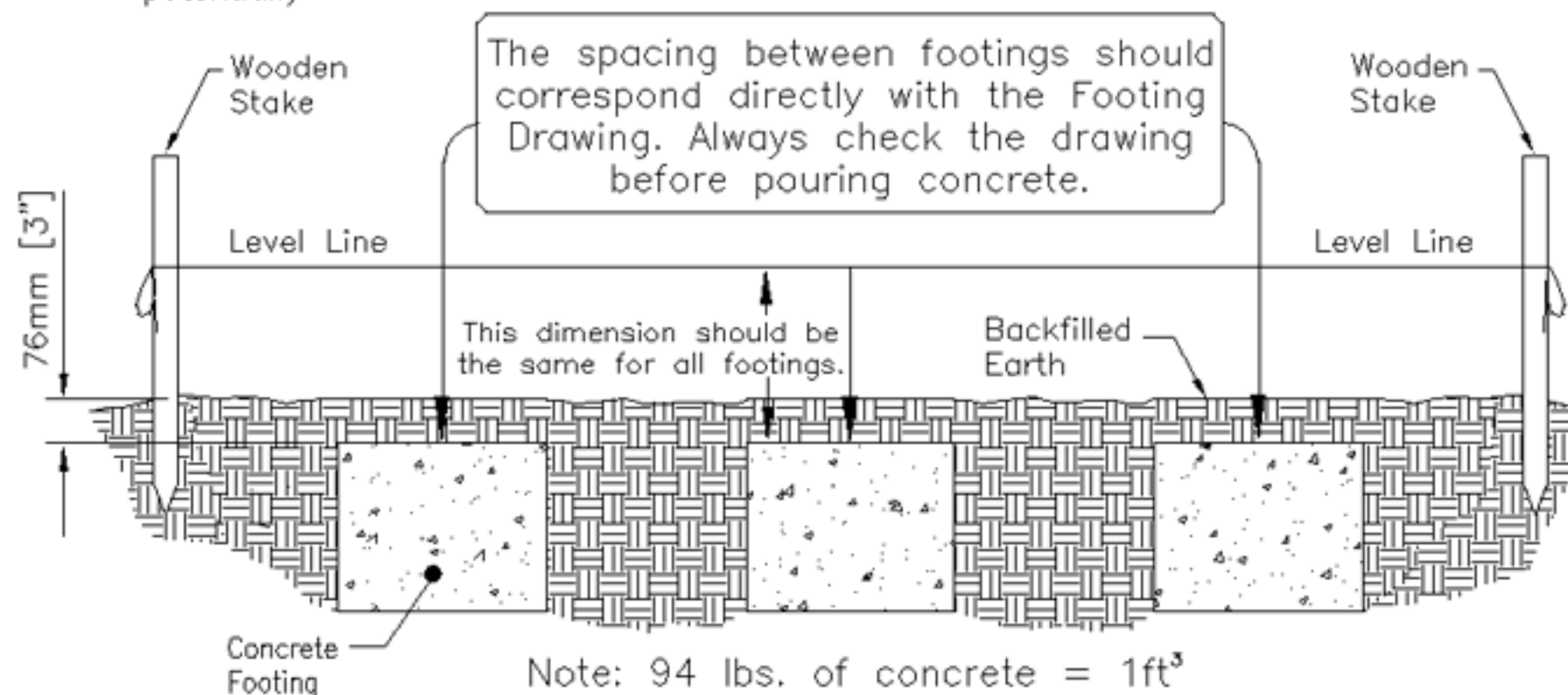
## THE ORDER OF ASSEMBLY:

- 1) Prepare your site. (Consideration is necessary for installing the talk tube on a structure. See Site Preparation Guidelines, or Talk Tube instructions for details.)
- 2) If you are using an Anchor bolt, you will need to pour concrete at least 48 hours in advance. Do not leave any open holes overnight. (Never leave a structure overnight in a potentially hazardous condition, i.e. open footing holes, open decks, exposed concrete, without roping off the area and posting warning signs. It is always best if the construction is scheduled such that the entire installation can be performed in one day, however, with larger structures this may be difficult.)
- 3) Start with the lowest deck and four posts. Calculate the location of the deck top on the first post by adding 991 [39"] to the deck height. Mark the post then install as shown. (See Square Deck installation instructions for further details. THE INSTALLATION OF THE FIRST DECK IS CRITICAL TO PROPERLY INSTALLING THIS EQUIPMENT, SO MAKE SURE THE POSTS AND DECK ARE AT THE PROPER HEIGHT AND ARE PLUMB AND LEVEL.
- 4) Place this assembly in the footings. If you are sure the first deck assembly is correctly positioned, you may pour the four post footings at this time to help stabilize the structure. If installing the Surface Mount method, move the assembly to the proper location. Use the feet as templates, drill bolt holes and secure the structure to the footings.
- 5) If a Deck to Deck Plate, Ladder Panel, or Interstep Deck are to be attached to the first deck, assemble the bottom edge to the deck edge. See individual instructions for details.
- 6) Attach the next deck to two posts and move the posts into the footing holes and level the deck. Attach the two open corners of the deck to the previous deck assembly posts. Finish installing the deck to deck attachment by assembling it to the edge of the upper deck.
- 7) Attach any structure linking events or overheads to the deck assemblies, such as Crawl Tunnels, Clatter Bridges, Burmese Bridges, Suspension Bridges, Challenge Ladders, etc. Continue to add the remaining decks and deck attachments to the existing structure until all platforms are in place.
- 8) Make sure the structure is level and the decks are at the proper height. Install any roofs or enclosures.
- 9) Install all remaining events.
- 10) Tighten all hardware and install clamp drive pins. Be sure to use as many as the instructions call out.
- 11) Place warning labels on the structure. Inspect playground for protruding hardware, entrapment gaps between 89mm [3-1/2"] to 229mm [9"], and string entanglements. Make sure the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible exposed bolt ends that protrude beyond the face of the nut more than two threads should be trimmed and peened by the installer.
- 12) Install resilient surfacing on the entire "use zone".

## MAKING LEVEL FOOTINGS:

By using wooden stakes and stringing a level line, you can determine the proper height for your concrete. If available, a surveyor's transit will also be helpful.

Determine ground level at the lowest footing location and pour concrete in this location first. This level will be your datum plane. (The point at which all other footing heights are referenced from.) Pour the rest of the footings up to 76mm[3"] from the level of the datum plane. Make sure that all measurements from the top of the poured footing to the level line are the same. (Hint: If installing a surface mount structure, concrete should be poured at least 48 hours in advance of the playground being installed to ensure maximum holding potential.)



If installing with the Inground method, you must always backfill footings with at least 76mm[3"] of earth after concrete has cured (not shown).

## SUGGESTED TOOLS:

- |                                       |                                  |
|---------------------------------------|----------------------------------|
| - 2 Magnetic Levels                   | - Extension Cords                |
| - 1 1220[48"] Carpenter's Level       | - Water Supply/Garden Hose       |
| - 2 Measuring Tapes                   | - Wooden Stakes                  |
| - 1 Felt Tip Pen                      | - Concrete (in some cases)       |
| - 1 Sledge Hammer or Rubber Mallet    | - Some sort of digging equipment |
| - 1 610mm-915mm [24"-36"] Bolt Cutter | - Transit                        |
| - 1 Roll of String                    | - Adjustable Wrenches            |
| - Ratchets for M10 Torx Service Drive | - Metric Socket Set              |
| - Electric Drill                      | - Various Drill Bits             |
| - C-Clamps                            | - Wheel Barrow                   |
| - Saw Horses                          | - Ladders                        |
| - Resilient Ground Cover              | - Generator/ Power Source        |





## WARNING

INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS.

L'INSTALLATION SUR SURFACE DURE TELLE QUE DU CIMENT, DE L'ASPHALTE OU DE LA TERRE BATTUE PEUT CAUSER DE SERIEUSES BLESSURES OU MEME LA MORT EN CAS DE CHUTE.

INSTALACION SOBRE UNA SUPERFICIE DURA, TAL COMO CONCRETO, ASFALTO O TERRENO COMPACTADO, PUEDE PROVOCAR QUE UNA CAIDA CAUSE LESIONES SERIAS O INCLUSO LA MUERTE.

Little Tikes Commercial Play Systems Inc.  
P.O. Box 897  
Farmington, MO 63640

For more information, call Little Tikes  
Commercial Play Systems Inc.  
at 1-888-458-2737 or 1-573-756-4591

← This label has been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the safety risk involved if a fall onto a hard surface occurs.

It is important when installing your play equipment to display this label in a prominent location on each structure.

This label should be placed such that it will:

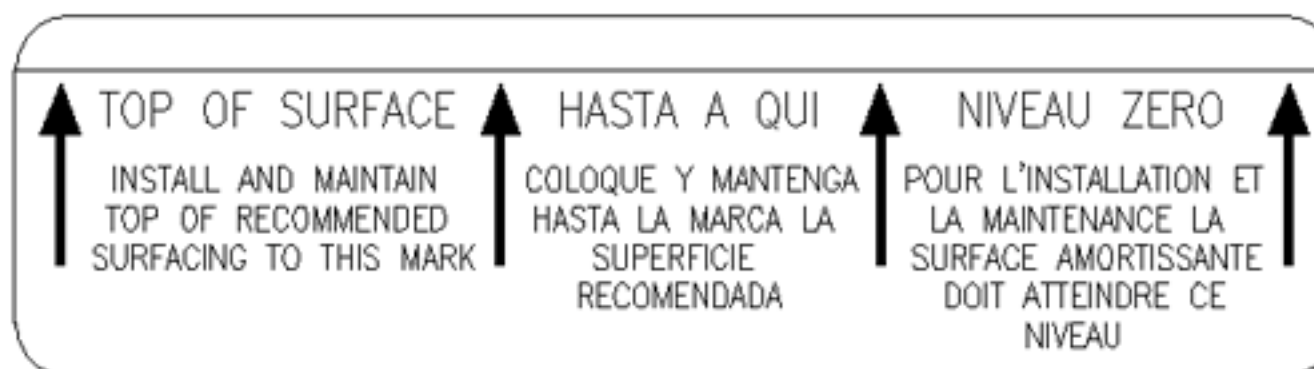
- (1) Be readily visible to the intended viewer and,
- (2) Alert the viewer to the potential hazard in time to take appropriate action.

Do not place this label in a high traffic area or in a location of excessive wear. If the label becomes illegible, destroyed, or removed, it is necessary for the operator to replace the label as soon as possible.

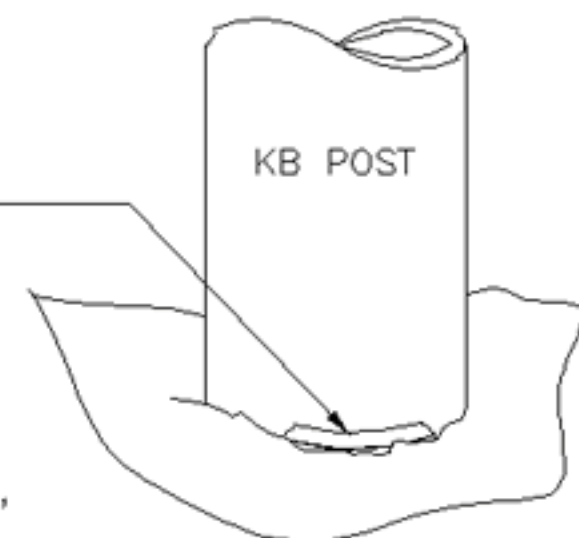
## SLIDE INSTALLATION:

Due to manufacturing variability, the actual slide footing dimensions may vary from the installation instruction dimensions by as much as 50mm [2"]. Actual footing locations should be determined by positioning assembled equipment.

If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.



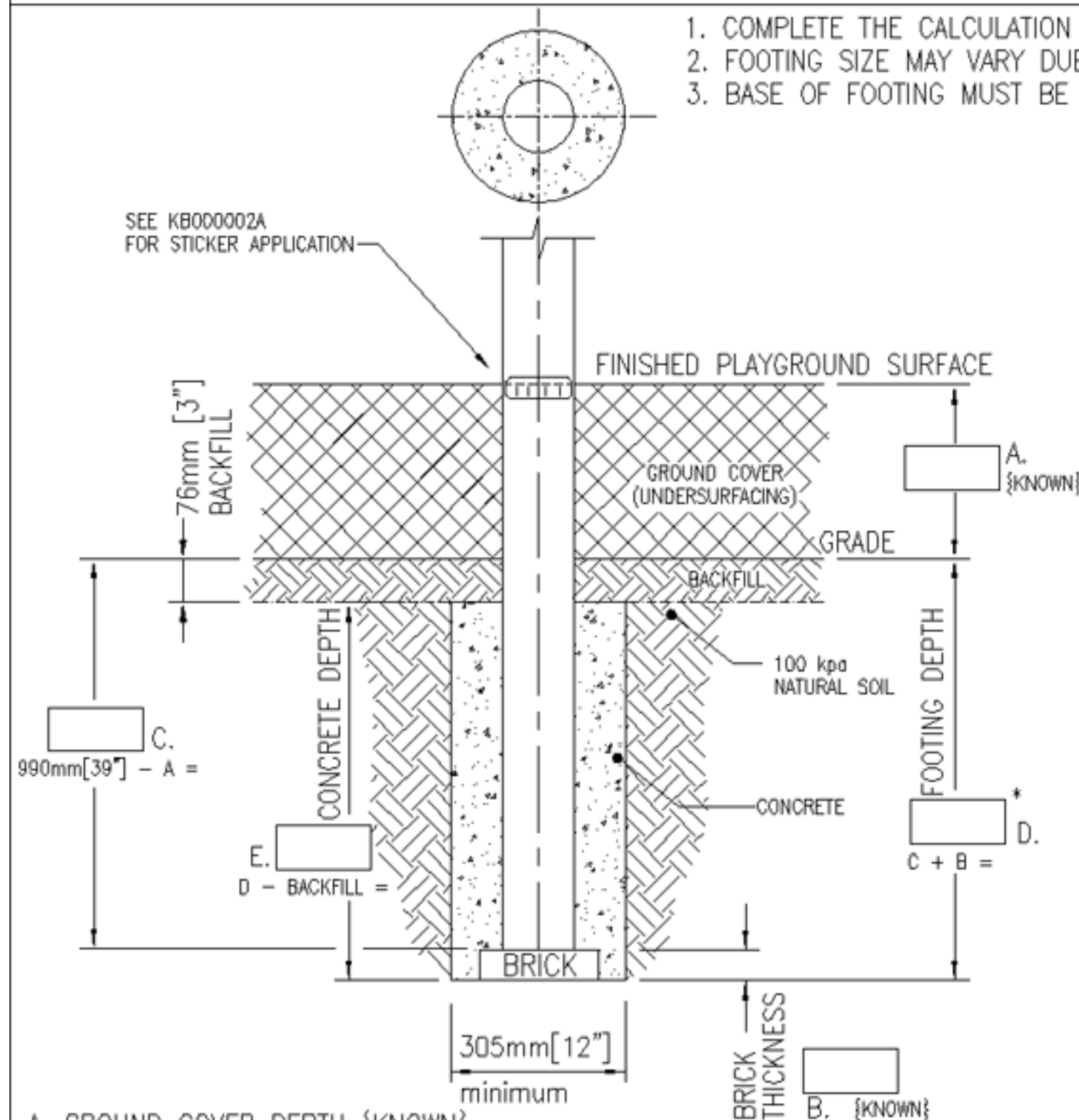
The sticker shown here has been provided to assist with the maintenance of your ground cover. After installing the ground cover, these stickers should be placed on the post by the installer (as shown). Peel the backing away from the sticker and attach it to the post so that the line is level with the top of your ground cover. As erosion or compaction of surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing.





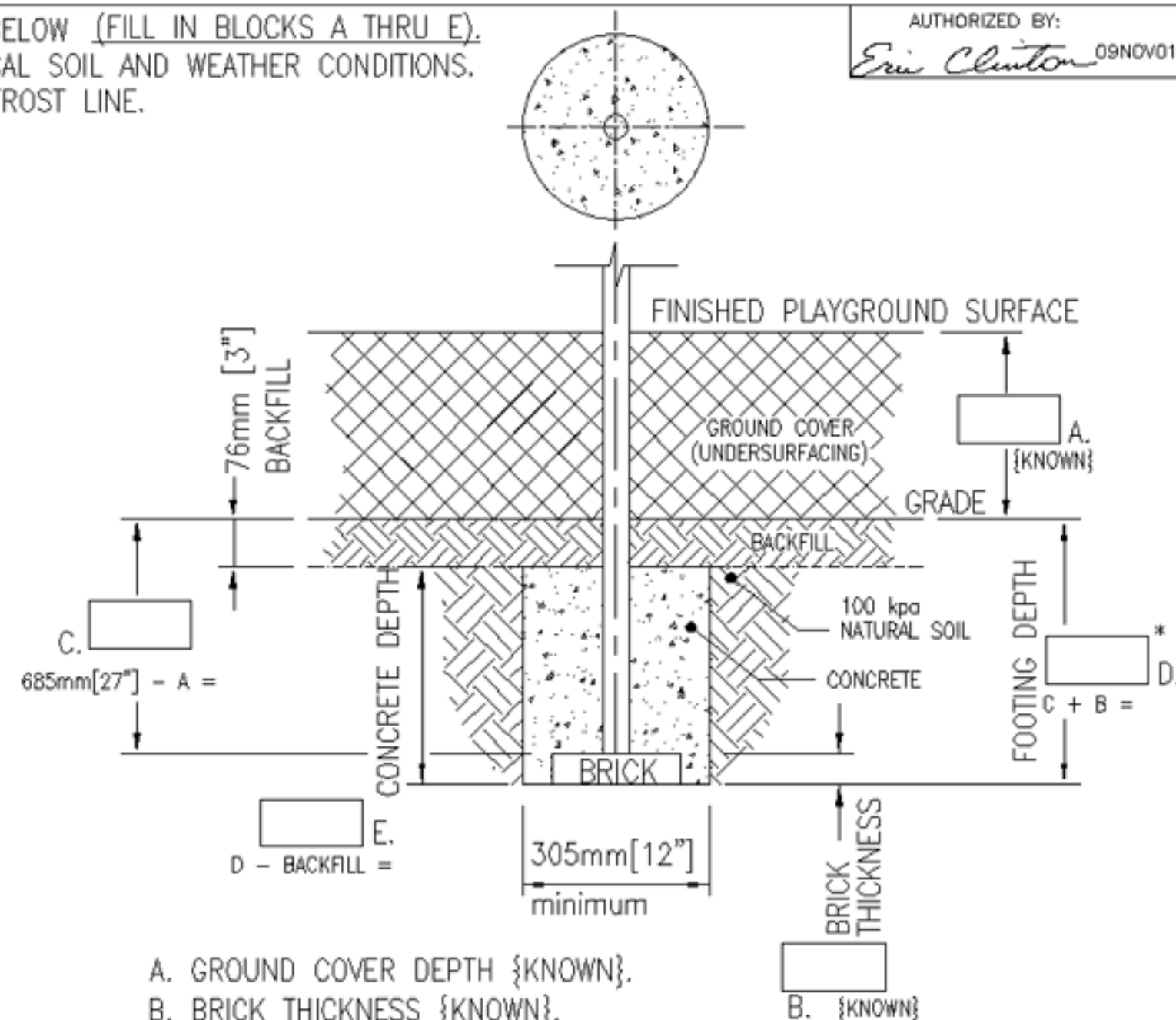
1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

SEE KB000002A  
FOR STICKER APPLICATION



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 990mm[39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm[39"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
- \*MINIMUM 610mm[24"] + BRICK THICKNESS FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

## KB POST FOOTING - INGROUND



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 685mm[27"] - A
- BECAUSE A + C SHOULD ALWAYS EQUAL 685mm[27"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
- \*MINIMUM 305mm[12"] + BRICK THICKNESS FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

## KB PLAYEVENT FOOTING - INGROUND

### HOW MUCH CONCRETE?

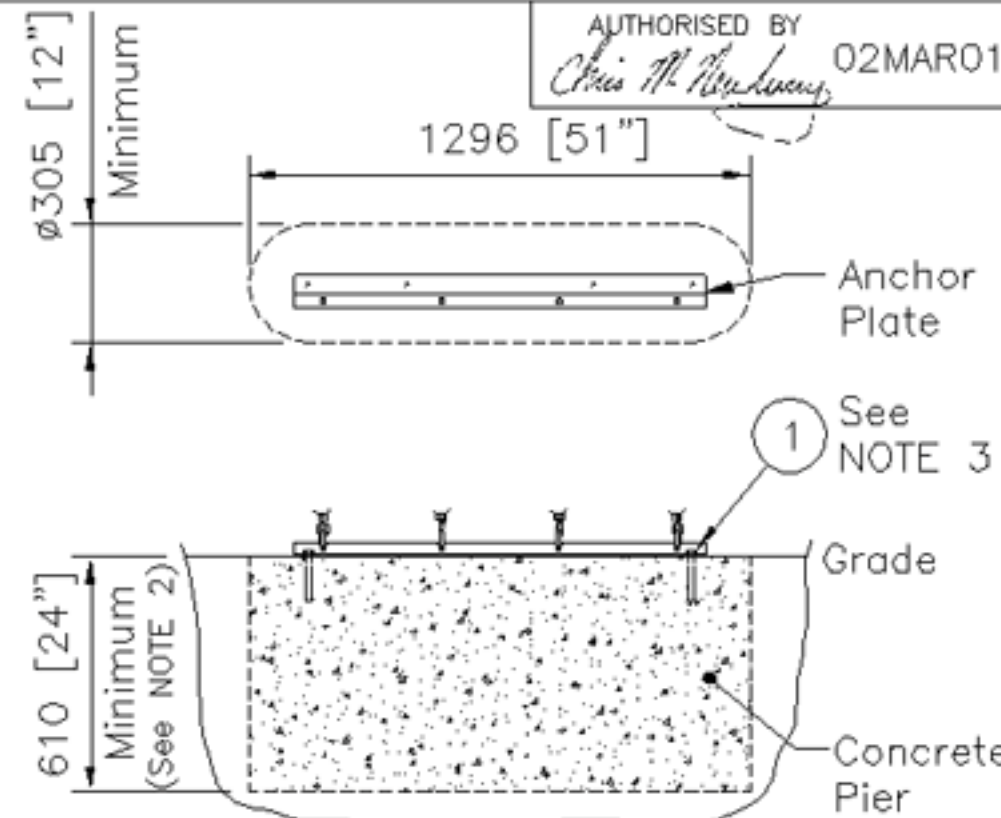
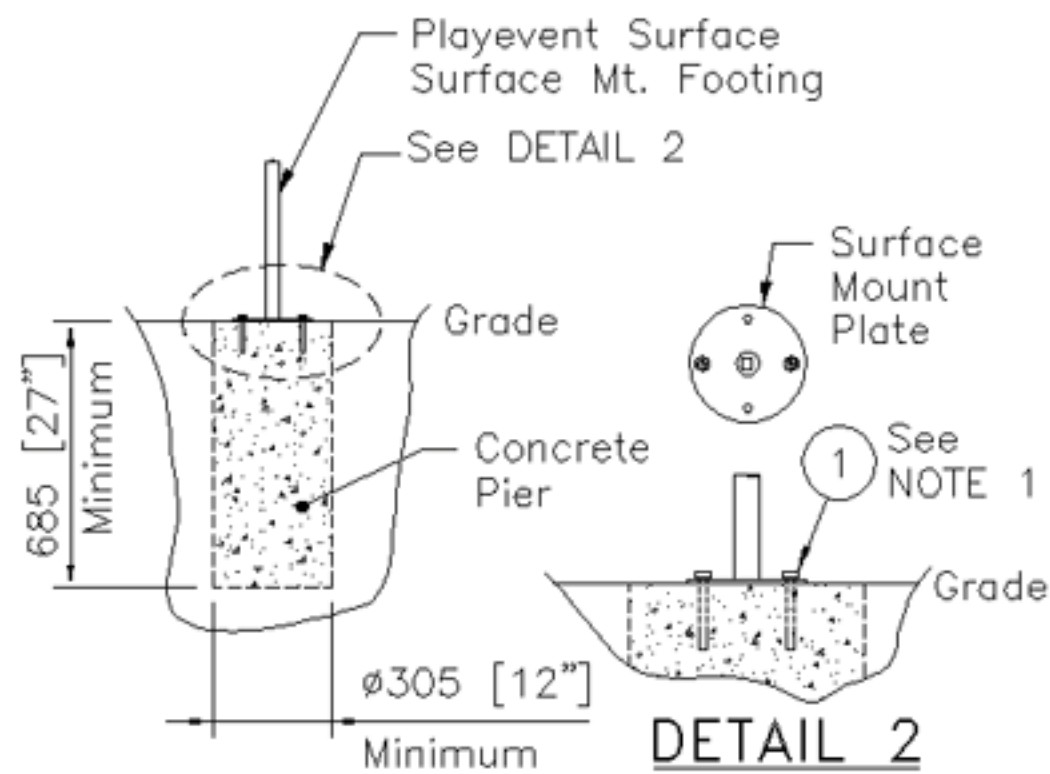
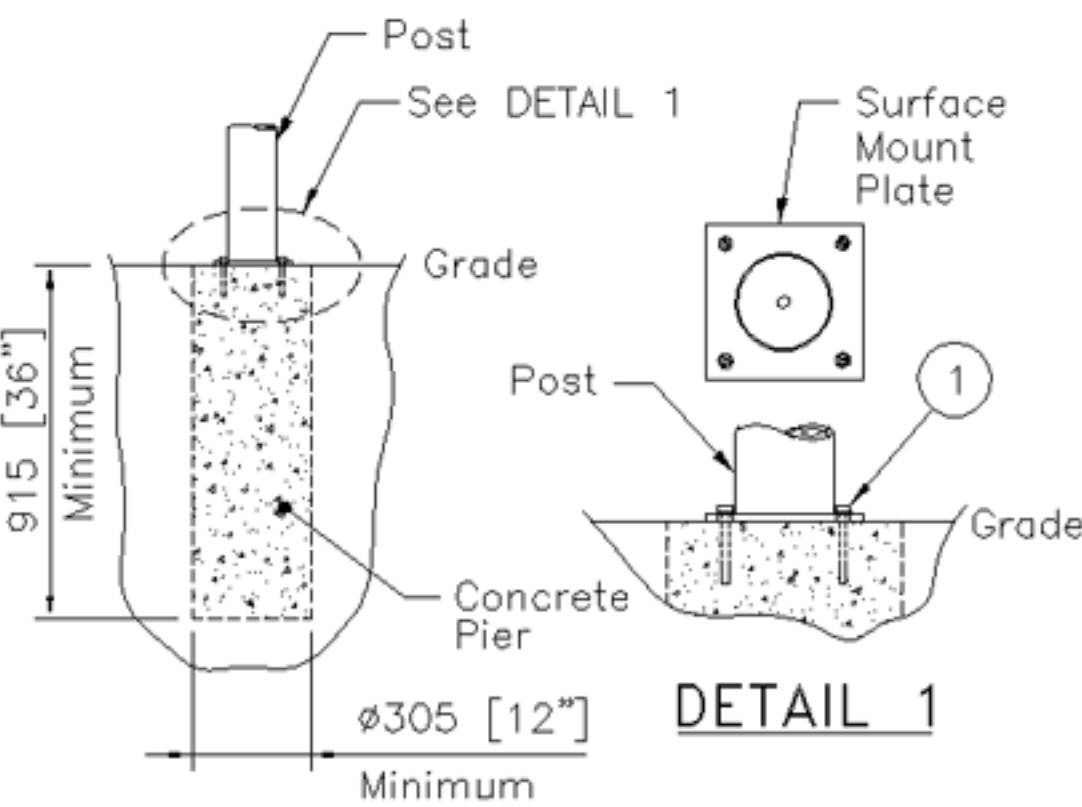
#### VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times \frac{\text{CONCRETE DEPTH (mm)}}{915} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \frac{\text{CONCRETE DEPTH (IN)}}{36} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27  
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.

**OPTION 1: PIER**



NOTE 1: Two per plate, diagonally located.

NOTE 2: Depth is less than round anchor because of extra volume of concrete.  
NOTE 3: Anchor bolts shown on ends, but can be moved to other holes if necessary for accessibility.

Post Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4

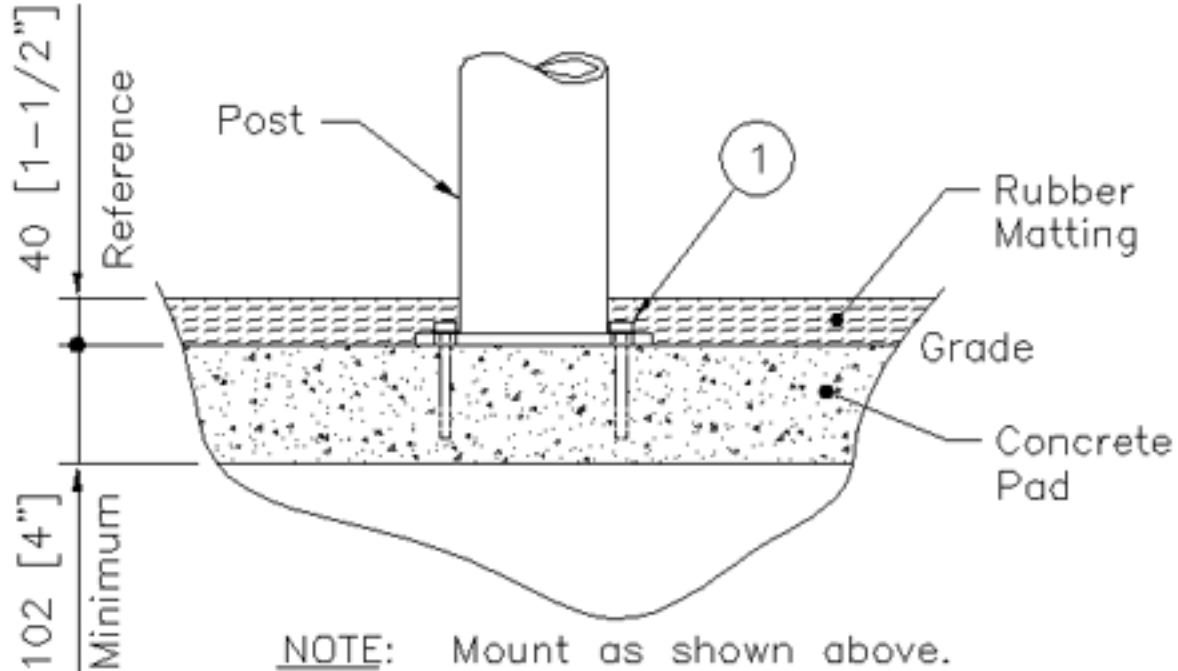
**Post Footing**

Playevent Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

**Playevent Footing**

**OPTION 2: CONCRETE PAD**

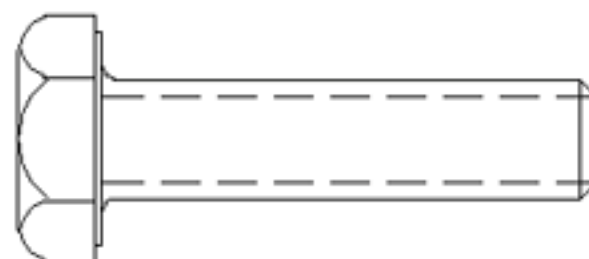
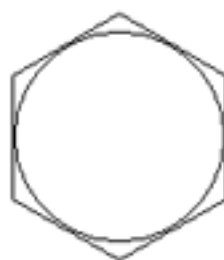
NOTE 4: Concrete may require up to 3 days to cure.  
NOTE 5: A 3/8" Masonry bit is required to install anchor bolts.



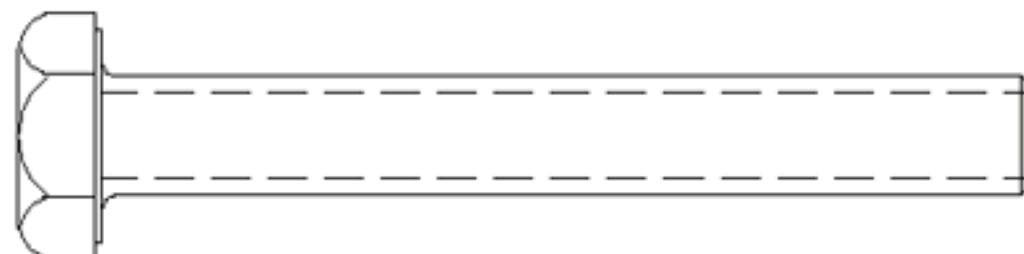
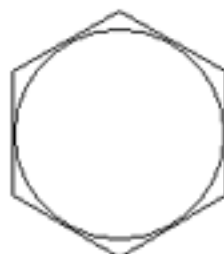
NOTE: Mount as shown above.



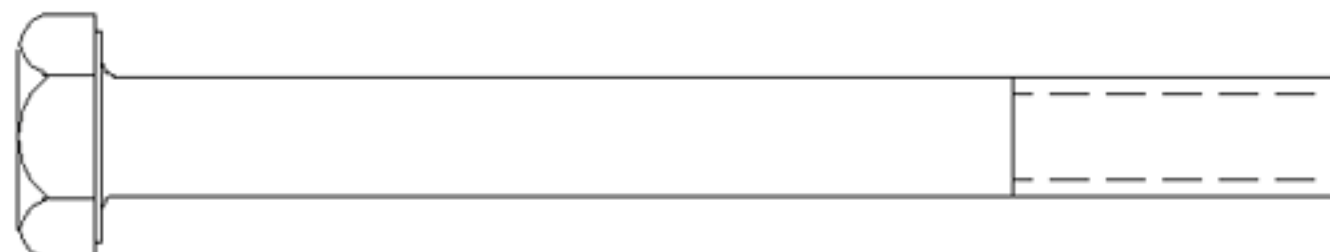
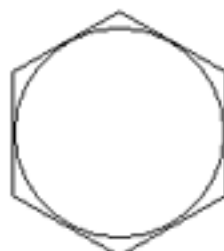
200001850  
CAP SCREW HEX HEAD M10 x 1.50 x 40mm



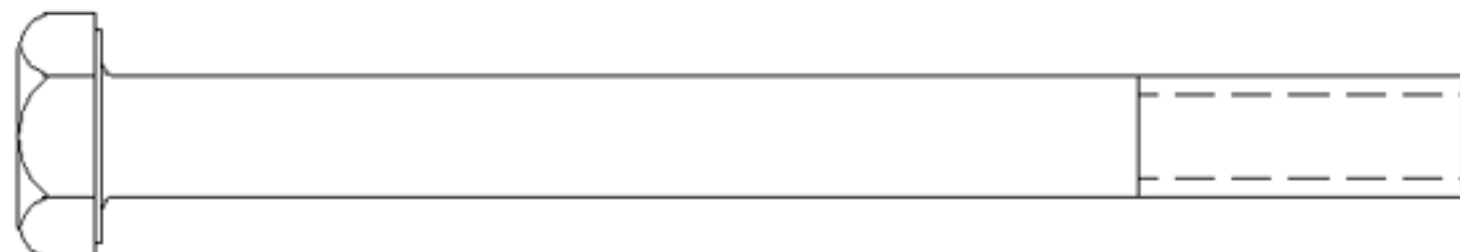
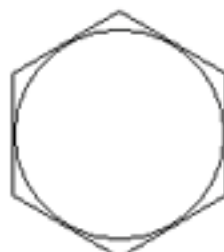
200001859  
CAP SCREW HEX HEAD M10 x 1.50 x 75mm



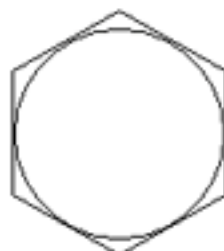
200001866  
CAP SCREW HEX HEAD M10 x 1.50 x 100mm



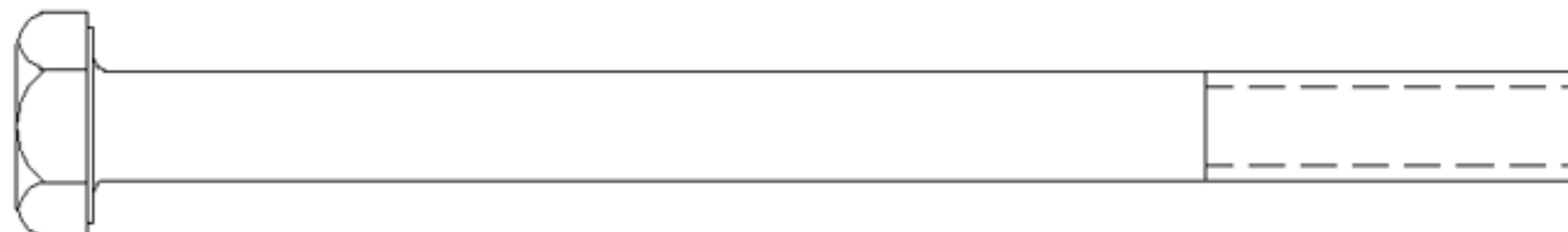
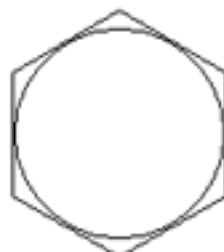
200001875  
CAP SCREW HEX HEAD M10 x 1.50 x 110mm



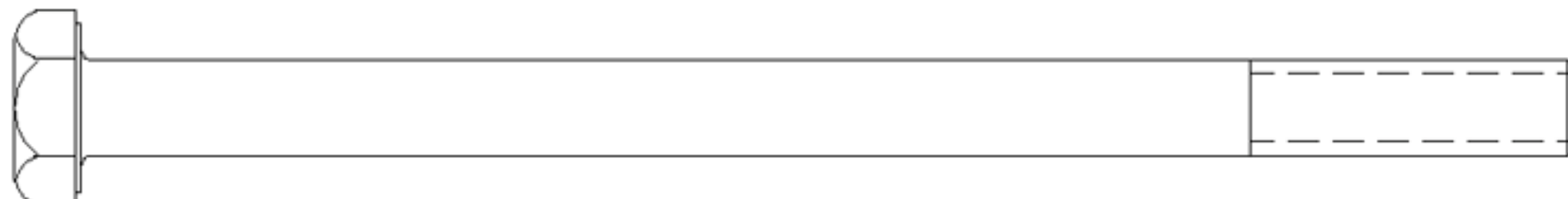
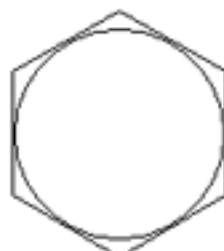
200001879  
CAP SCREW HEX HEAD M10 x 1.50 x 120mm

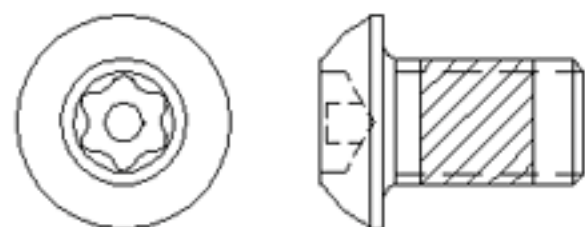


200001883  
CAP SCREW HEX HEAD M10 x 1.50 x 130mm



200000792  
CAP SCREW HEX HEAD M10 x 1.50 x 150mm

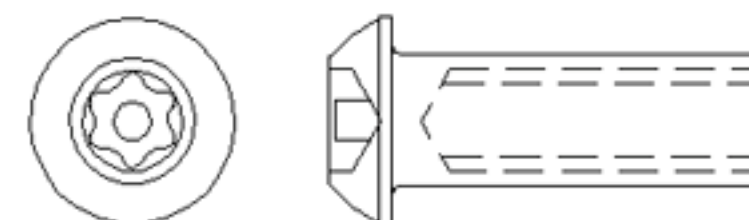




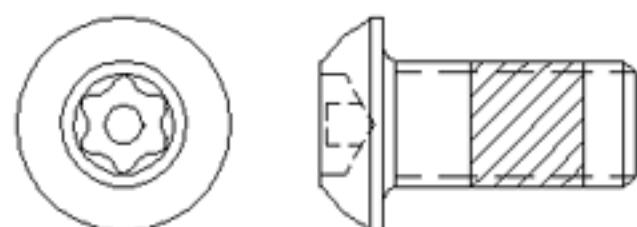
200002010  
SCREW MACH BUTTONHEAD M10 x 1.50 x 16mm



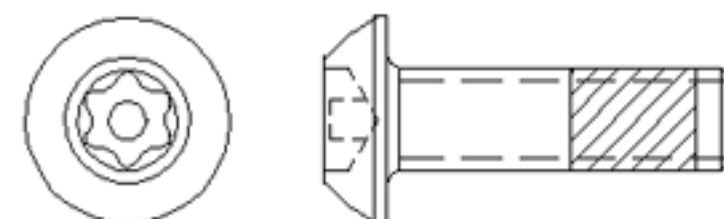
200002150  
SCREW MACH BUTTONHEAD M10 x 1.50 x 55mm



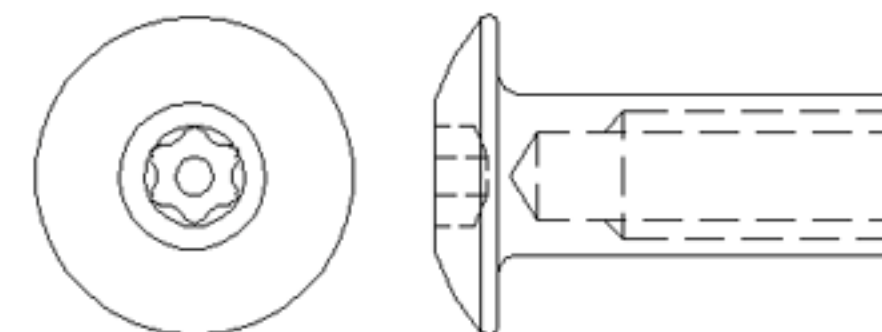
200002145  
BOLT M8 x 1.25 FEMALE 10.3 x 30mm



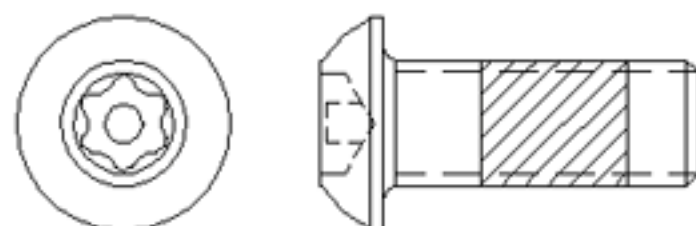
200002014  
SCREW MACH BUTTONHEAD M10 x 1.50 x 20mm



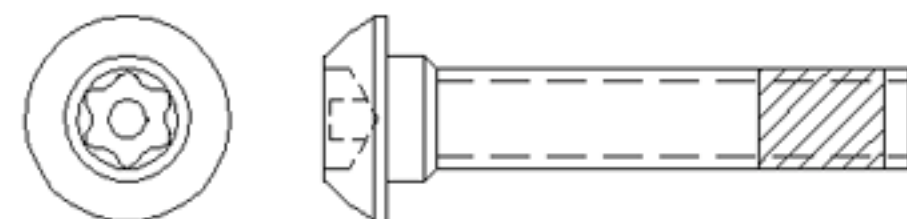
200002133  
BOLT M8 x 1.25 MALE 27.5mm



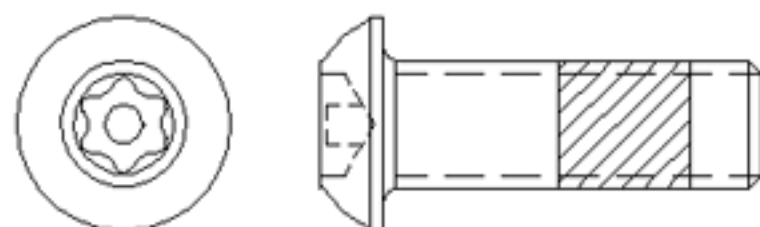
200001954  
BARREL NUT M10 X 1.50 (12.70 DIA x 32mm)



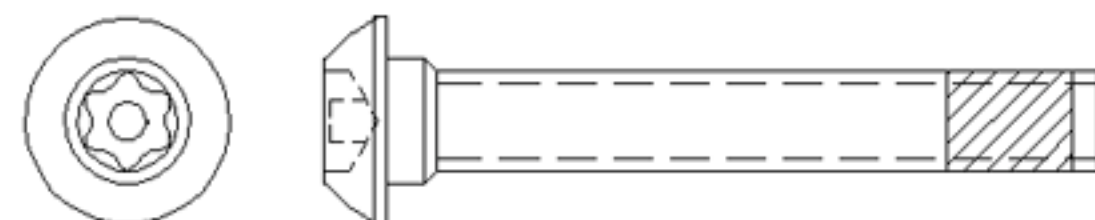
200002018  
SCREW MACH BUTTONHEAD M10 x 1.50 x 25mm



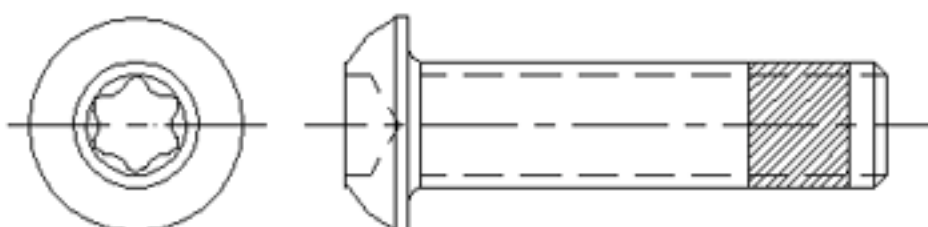
200002138  
BOLT M8 x 1.25 MALE 42.5mm



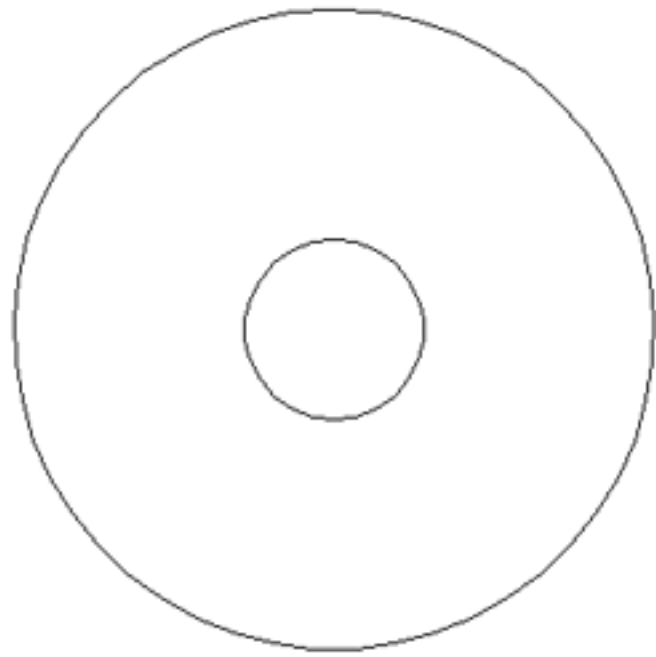
200002030  
SCREW MACH BUTTONHEAD M10 x 1.50 x 30mm



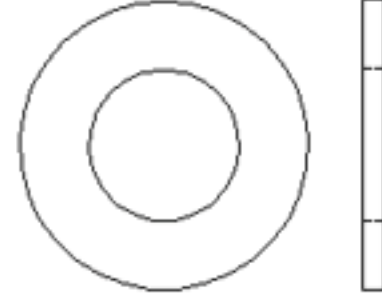
200002142  
BOLT M8 x 1.25 MALE 57.5mm



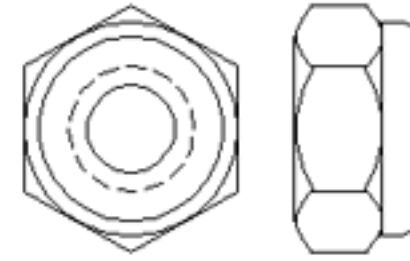
200097726  
SCREW MACH BUTTONHEAD M10 x 1.50 x 38mm



200002079  
WASHER FLAT M11 23 x 12 X 1.6mm



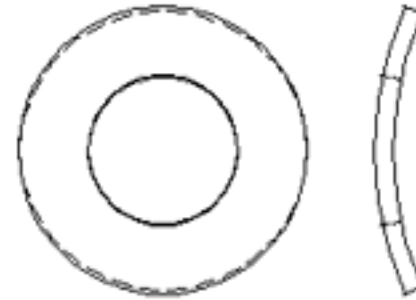
200001945  
NUT LOCK HEX NYLON INSERTED M10 x 1.5



200002002  
SCREW DRILL HEX HEAD M6 .3 x 1.81 x 65mm



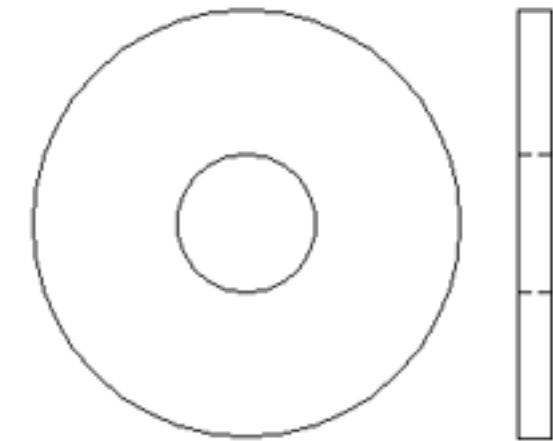
200008483  
WASHER BOWED M11 23.5 x 11.7 x 1.57 mm



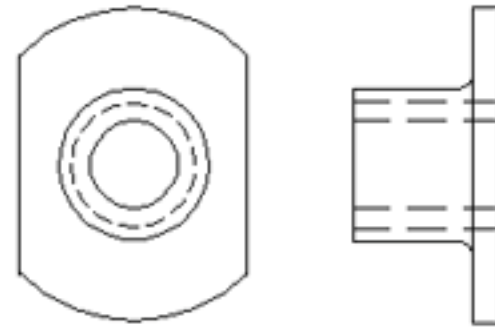
200001810  
BOLT CARRIAGE M10 x 1.50 x 100mm



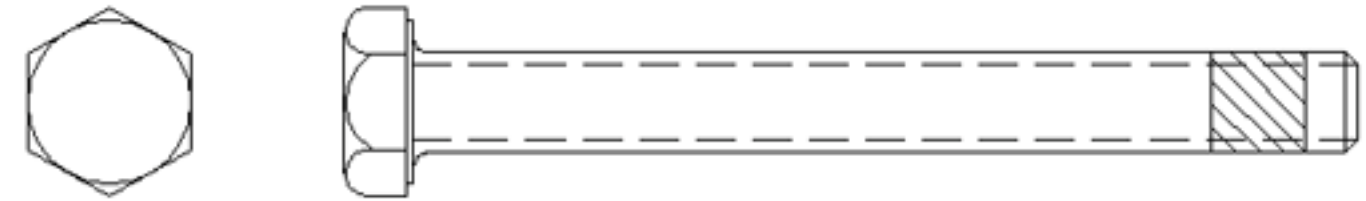
200002113  
WASHER FLAT M12 (51 x 14.5 x 2mm)



200001966  
T-NUT SLAB BASE M10 x 1.50 x 9.5mm



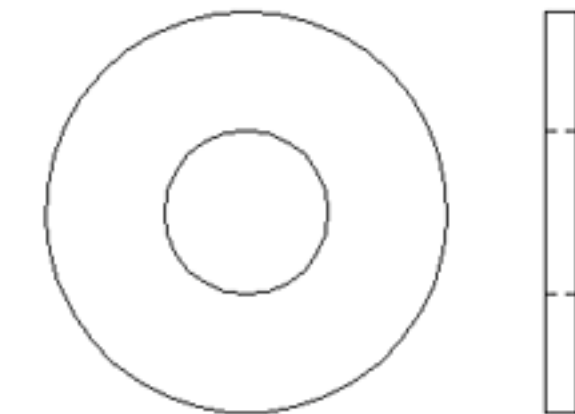
200001826  
CAP SCREW HEX HEAD M8 X 1.25 X 75mm



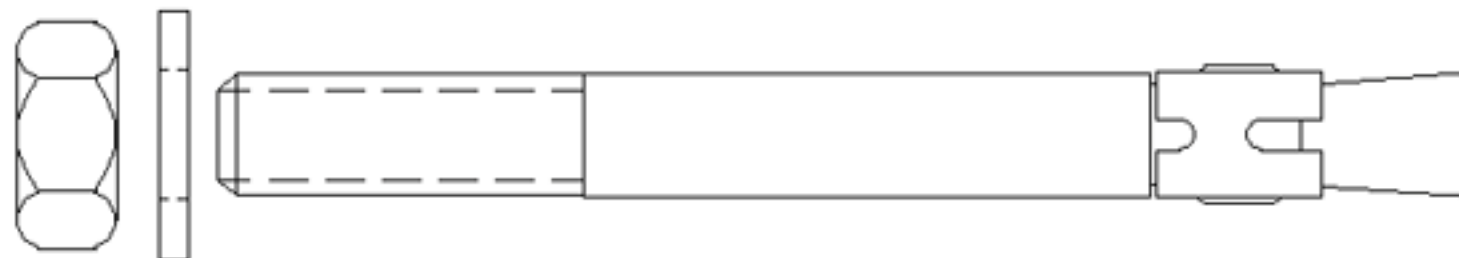
200002096  
WASHER FLAT M10 34OD x 11ID x 3 mm THK



200001986  
SCREW U-DRIVE ROUND HEAD M5 x 16mm



200001776  
ANCHOR CONCRETE WEDGE M10 x 1.5 x 100mm



200001934  
NUT LOCK HEX NYLON INSERTED M8 x 1.25

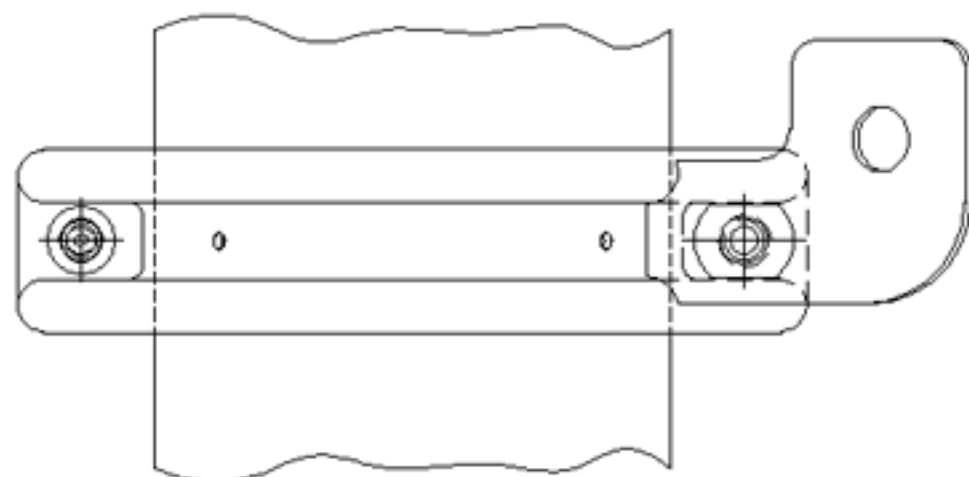


200002100  
WASHER FLAT M11 32OD x 13ID x 2 mm THK

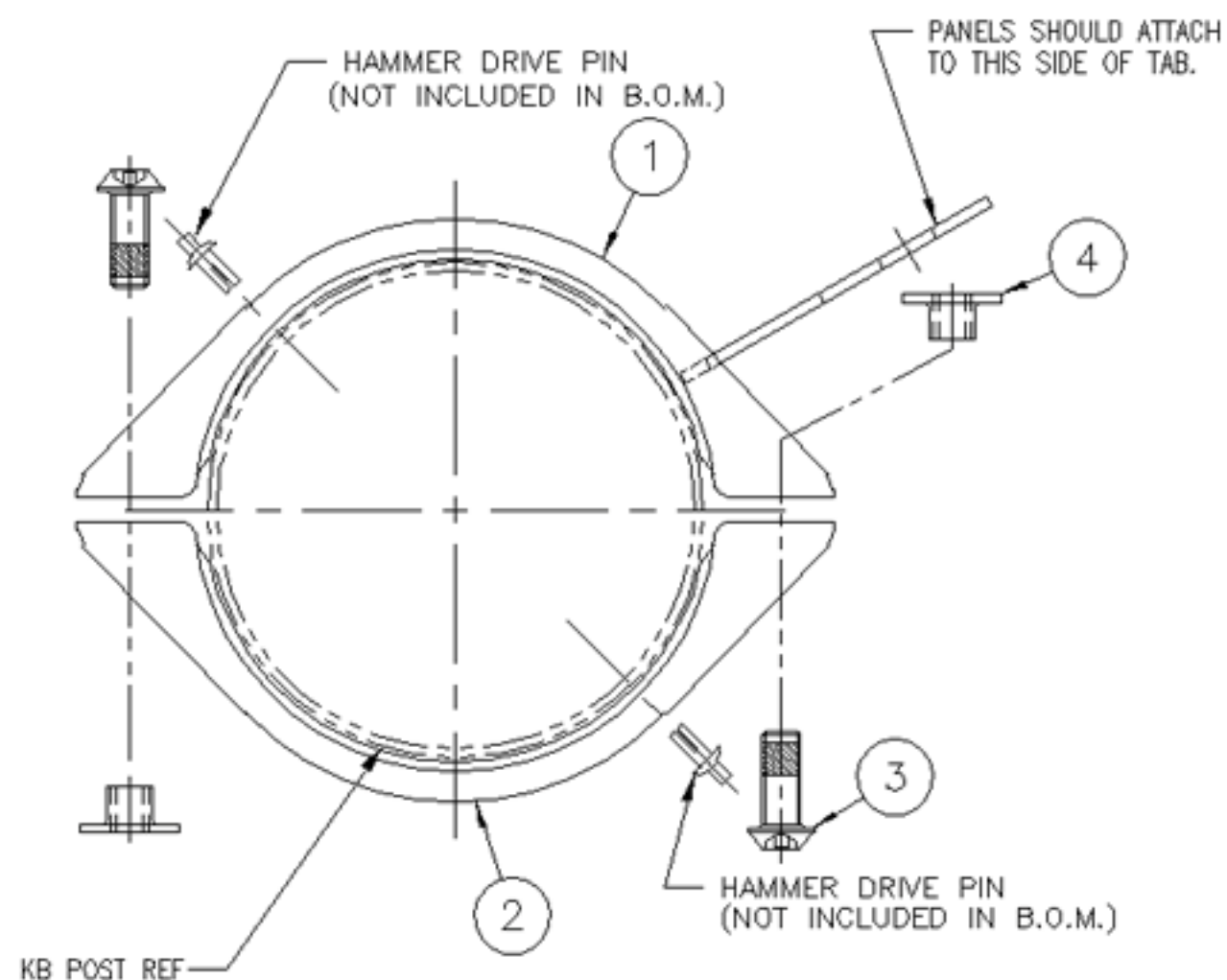




## CLAMP HI-LO TAB F/KB



**NOTE:**  
TAB WILL BE DIRECTED  
UP (AS SHOWN) ON ONE  
SIDE OF THE PANEL AND  
DOWN ON THE OTHER  
SIDE OF THE PANEL



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

KB000009A

AUTHORIZED BY:

*Raymond* 03AUG99

## CLAMP HI-LO TAB F/KB

200079200

### CLAMP HI-LO TAB F/KB

Item	Dwg Ref	Description	Qty.
1	-	CLAMP HI-LO TAB F/ KB	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2

#### Application

- FOR USE WHEN HIGH-LOW CLAMP CONFIGURATION IS NEEDED TO ATTACH PANELS.

#### Maintenance

- CHECK ALL HARDWARE
- TOUCH UP ANY MARRED PAINT SURFACE

#### Specifications

##### CLAMP

MATERIAL: STAMPED SHST  
COLOR: AS SELECTED FROM STD. COLOR RANGE.  
FINISH: ELECTROSTATICALLY APPLIED POLYESTER  
DRY POWDER COAT

##### FASTENERS

FINISH: STAINLESS STEEL

#### Installation Instructions

1. POSITION THE CLAMP HALVES AROUND THE POST AND LOOSELY CONNECT HALVES TOGETHER WITH THE HARDWARE SHOWN. CLAMPS SHOULD BE ORIENTED SO THAT PANELS WILL ATTACH TO THE TAB FACE SHOWN IN THE DETAIL.
2. MOVE THE CLAMP ASSEMBLY ALONG THE POST UNTIL IT LINES UP WITH THE LOCATION THAT IT WILL BE CONNECTED TO THE PANEL. COMPLETE THE PANEL CONNECTION AS SPECIFIED IN THE INDIVIDUAL PANEL INSTRUCTION.
3. LEVEL THE CLAMP ASSEMBLY AROUND THE POST AND TIGHTEN CLAMP HARDWARE.
4. AS A LAST STEP IN THE PLAYGROUND INSTALLATION, INSTALL HAMMER DRIVE PINS. LOCATE ONE OF THE EXISTING SMALL HOLES IN A CLAMP HALF. (EITHER HOLE CAN BE USED, USE THE MOST ACCESSIBLE.) THIS WILL BE THE DRILLING SITE FOR THE HAMMER DRIVE PIN. DRILL A 5mm (3/16") DIA. HOLE INTO THE POST. INSERT THE HAMMER DRIVE PIN INTO THE HOLE. TAP THE CENTER CORE PIN INWARD UNTIL IT IS FLUSH WITH THE OUTER PIN SURFACE. BE CAREFUL NOT TO MAR THE PAINTED SURFACES. REPEAT ON THE OTHER CLAMP HALF. HAMMER DRIVE PINS ARE SHIPPED SEPERATELY FROM CLAMP HARDWARE.

## PANEL OR WING CLAMP

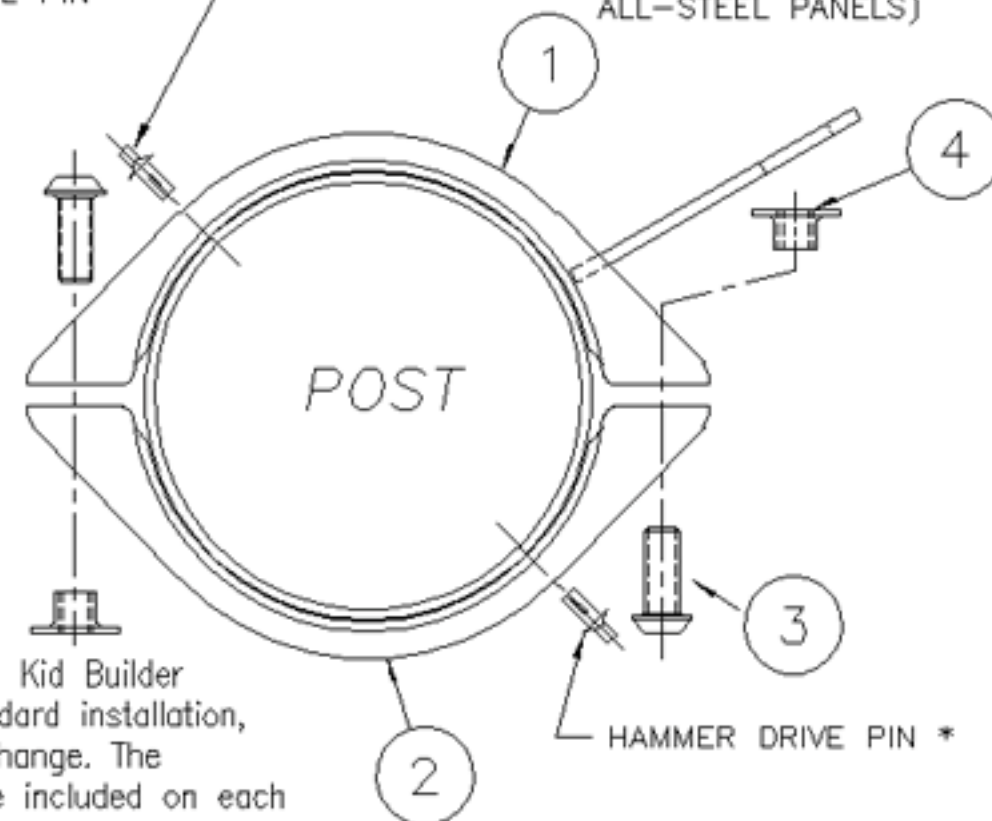
ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/TAB F/PANEL MT. ZN	1
-OR- 1	-	CLAMP HALF W/TAB F/KB WING CLAMP	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2



REF: PANEL CLAMP


REF: WING CLAMP  
(TO BE USED ON KB PLUS  
ALL-STEEL PANELS)

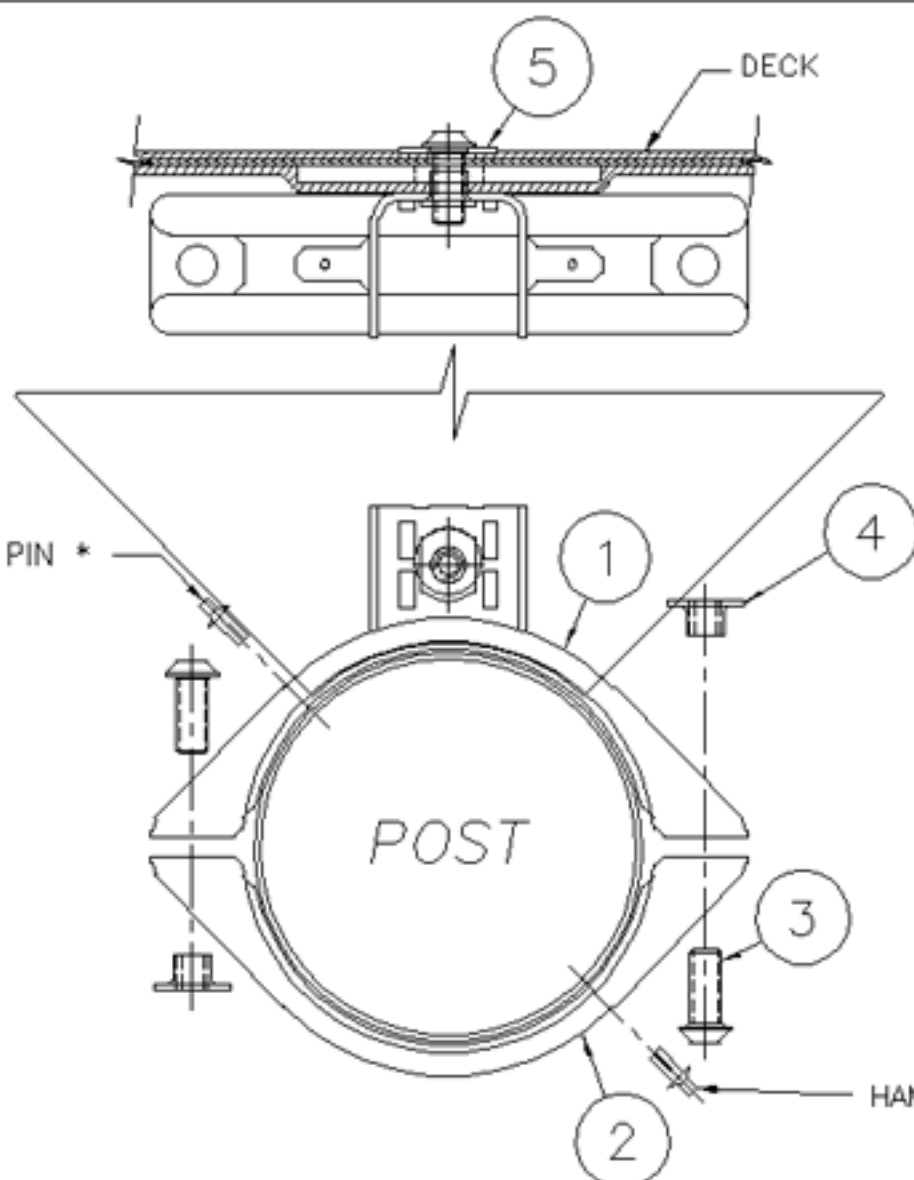
HAMMER DRIVE PIN \*



HAMMER DRIVE PIN \*

## DECK CLAMP

ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/NEW DECK ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	3
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	3
5	200002100	WASHER FLAT M11 320D X 13ID X 2 MM THK	1



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change. The hardware used to attach a Panel Clamp to a panel will be included on each component page.

1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.

2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.

3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

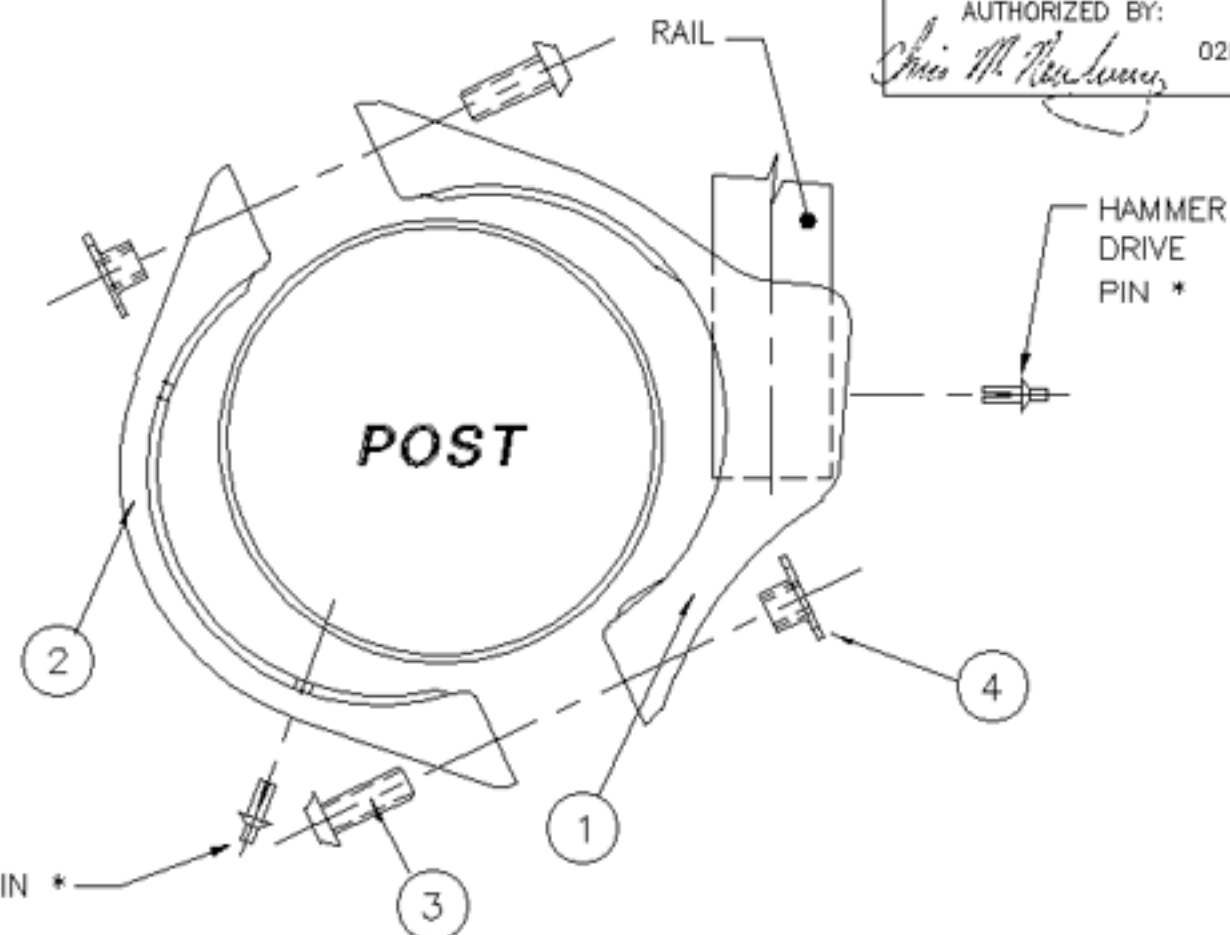
\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change.

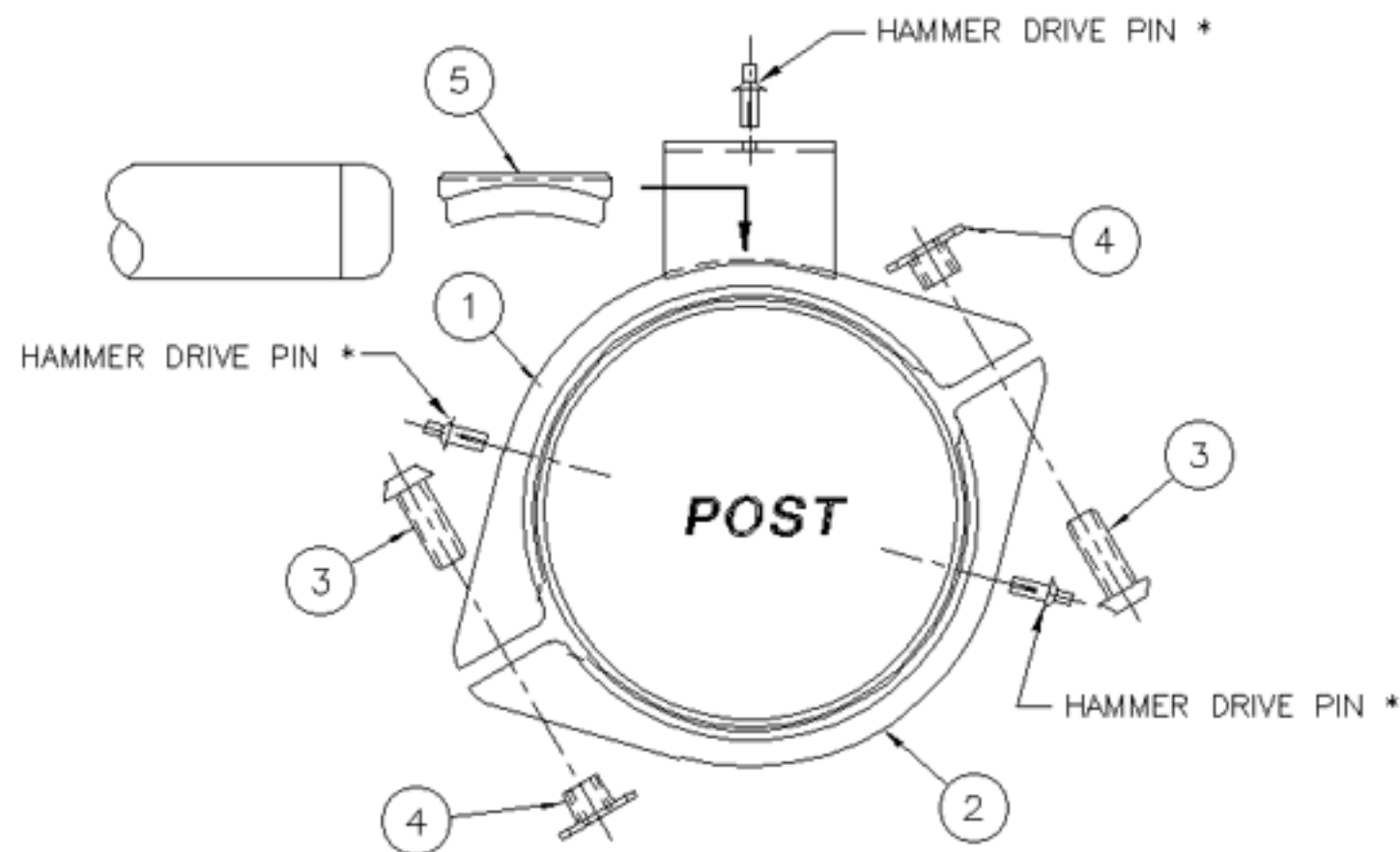
1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.
2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.
3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

\* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



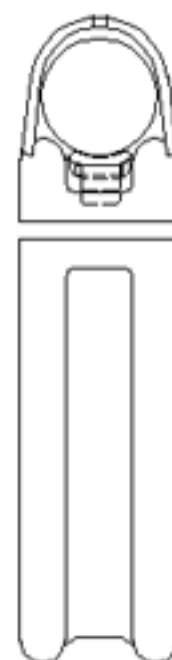
## 30 DEG. RAIL CLAMP W/ WEDGE

ITEM	DRG REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/ATT. F/RAILS ZN 30 DEG.	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25 MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5 MM	2
5	200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	1



## HOODED RAIL CLAMP

ITEM	DRG. REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/HOODED RAIL ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH. BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2





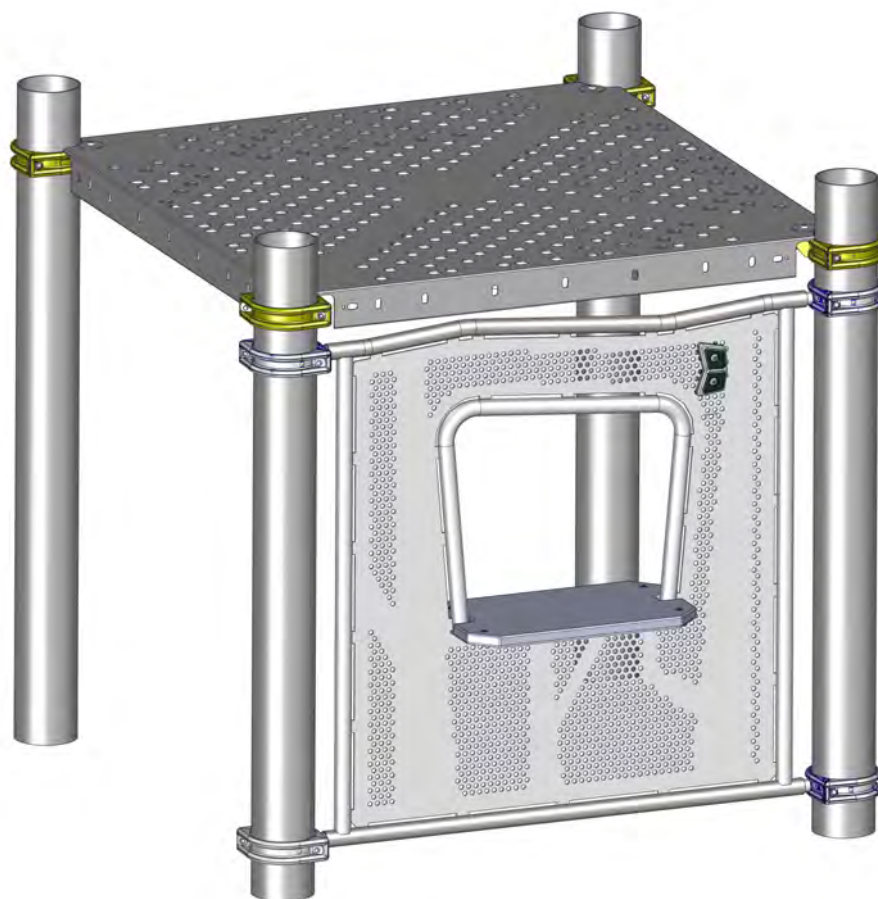
## Kid Builders™ Nu-Edge Birch Counter Panel

**IMPORTANT!** Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

**KB600075**

**200203753**

**Nu-Edge Birch Counter Panel f/KB**



### NOTES:

For below deck use only. Cannot be used as an enclosure.

Deck and posts are not included in this model.

An (\*) by a part number (Code) indicates: Color Code Required.

# Kid Builders™ Nu-Edge Birch Counter Panel

## NU-EDGE BIRCH COUNTER PANEL F/KB Model 200203753

CODE	DESCRIPTION	QTY
930415*	NU-EDGE NATURE KB CP WLDMNT	1
930416DSD	NU-EDGE NATURE KB CP WOOD	1
930959*	PC F/NU-EDGE BIRCH CP	1
930960*	PC F/FIRE TRUCK CLAMPS	1

## PC F/NU-EDGE BIRCH CP 930959\*

CODE	DESCRIPTION	QTY
HW203753-2	HRDW PKG NU-EDGE BIRCH COUNTER PNL S2/2	1
HW203753-1	HRDW PKG NU-EDGE BIRCH 930719 S1/2	1
930719*	NU-EDGE NATURE 2 LEAF	2

## HRDW PKG NU-EDGE BIRCH COUNTER PNL S2/2 HW203753-2

CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	4
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	4
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	4

## HRDW PKG NU-EDGE BIRCH 930719 S1/2 HW203753-1

CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	2
304273	BOLT M8 X 1.25 MALE 25MM	2

## PC F/FIRE TRUCK CLAMPS 930960\*

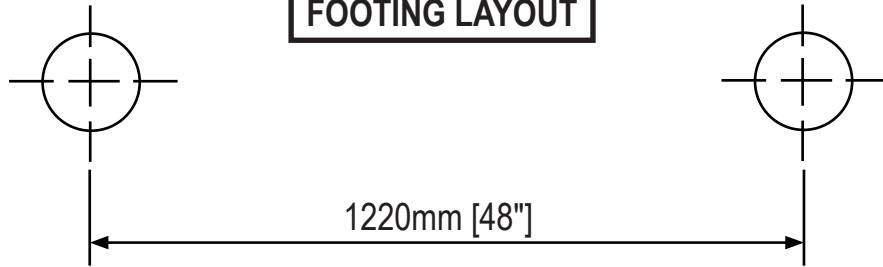
CODE	DESCRIPTION	QTY
905576*	CLAMP HALF W/O WELDED ATTACH.	4
910908*	CLAMP HALF F/FIRE-TRUCK LADDER	4
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	2

## HRDW PKG F/2SETS O/CLAMPS S1/1 HW2CLMPSET-1

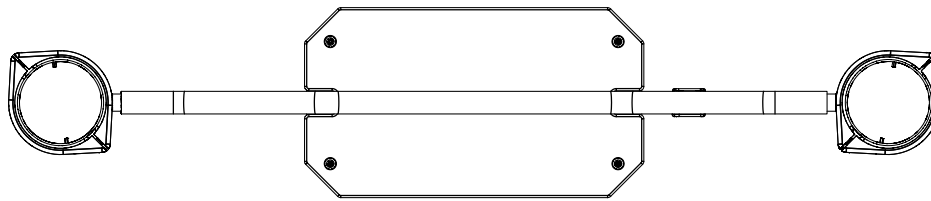
CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

# Kid Builders™ Nu-Edge Birch Counter Panel

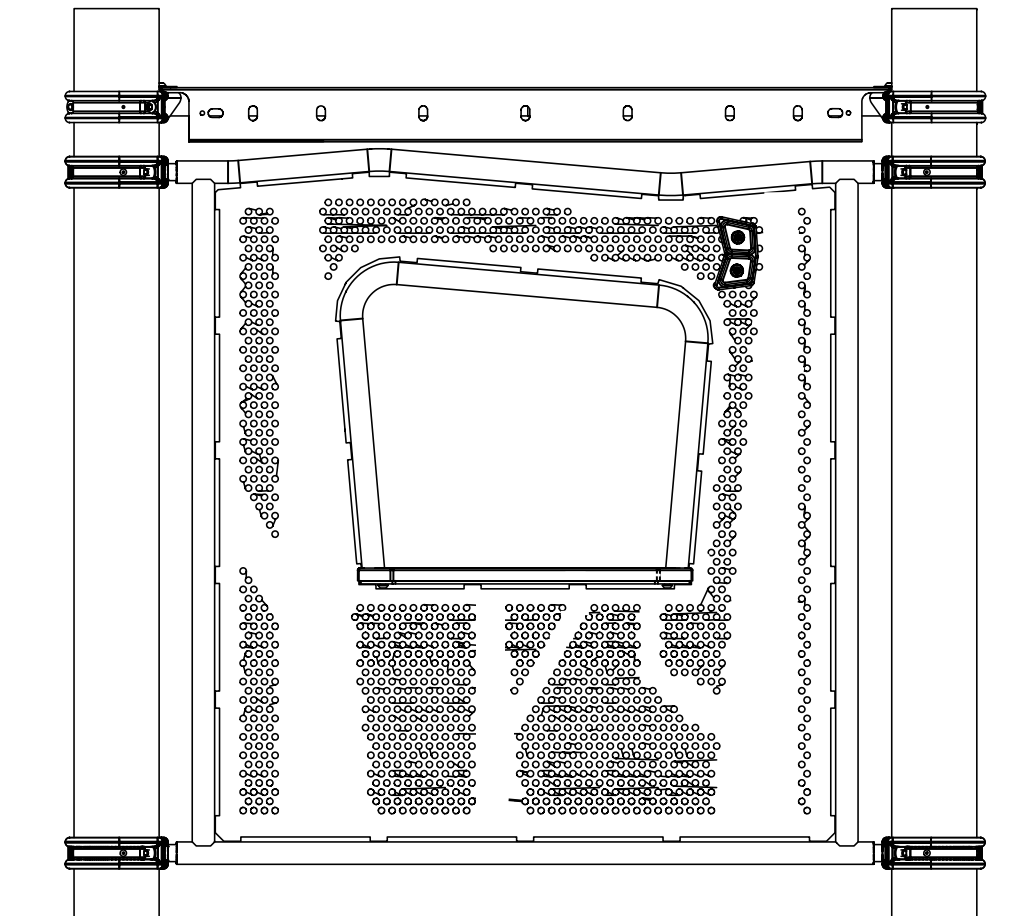
FOOTING LAYOUT



TOP VIEW

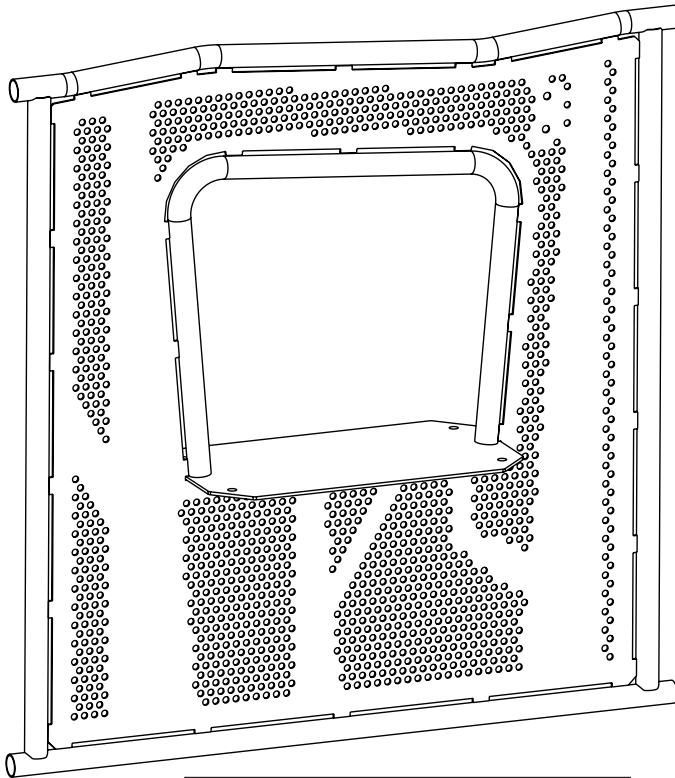


FRONT VIEW

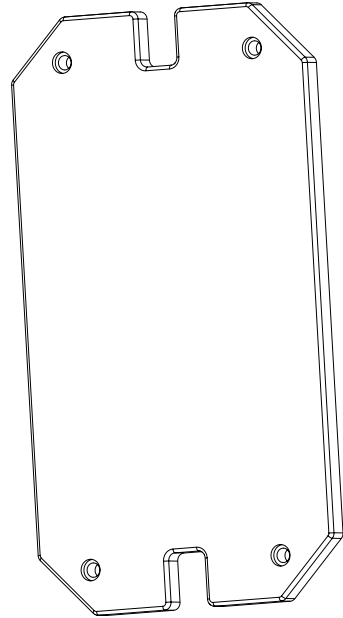


# Kid Builders™ Nu-Edge Birch Counter Panel

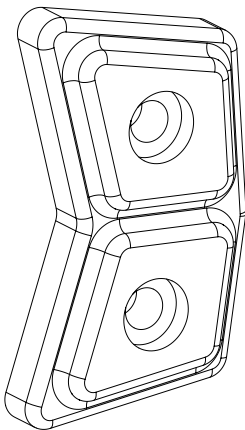
## PARTS IDENTIFICATION



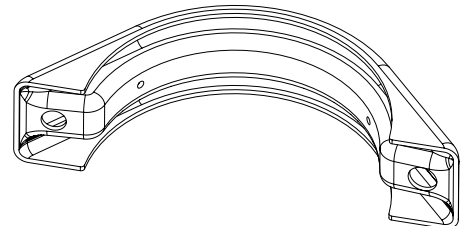
930415\* NU-EDGE NATURE  
KB CP WLDMNT



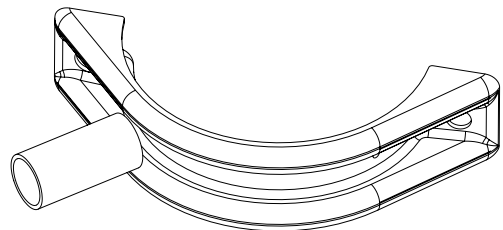
930416\* NU-EDGE NATURE  
KB CP WOOD



930719\* NU-EDGE  
NATURE 2 LEAF



905576\* CLAMP HALF  
W/O WELDED ATTACH.



910908\* CLAMP HALF F/  
FIRE-TRUCK LADDER

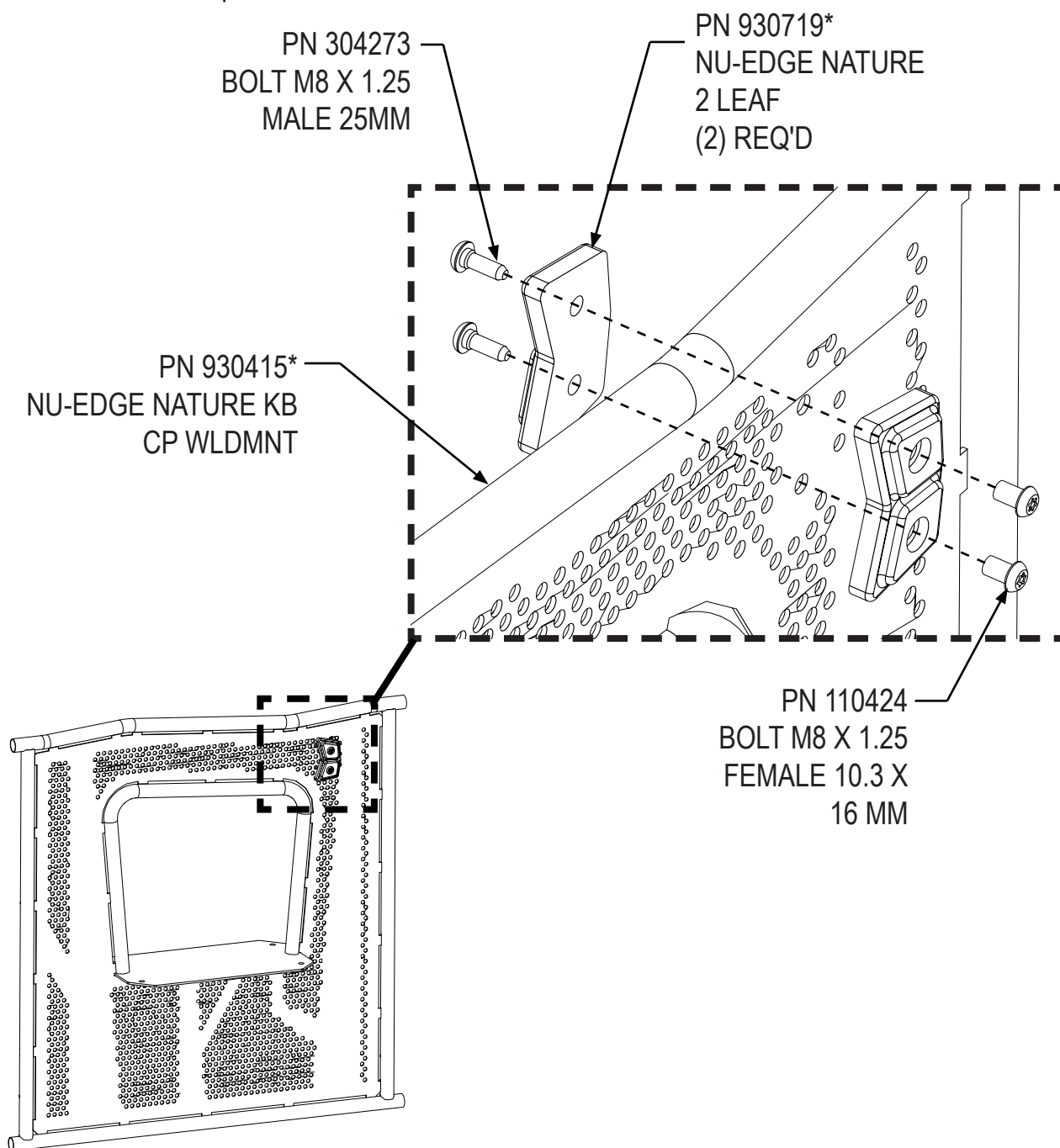
## Kid Builders™ Nu-Edge Birch Counter Panel

### STEP 1 DECK AND POST FOOTINGS

1a. See separate installation instructions for deck and posts. Deck and posts are in place per *Footing Layout* and *Construction Drawings*. Counter panel is below deck use only.

### STEP 2 PRE-ASSEMBLE LEAVES ON PANEL

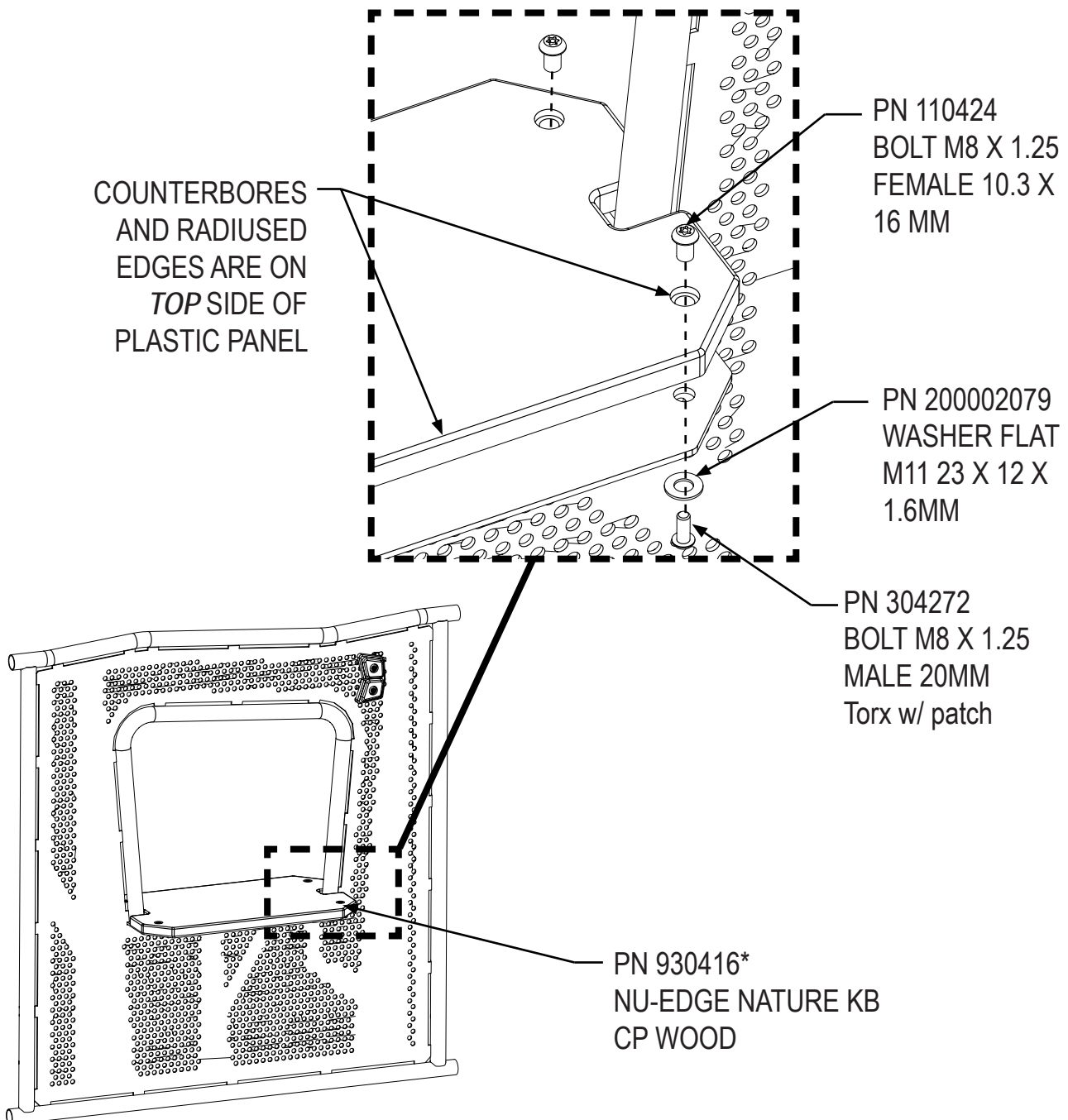
2a. Loosely attach the two leaves on the panel with hardware as shown below side of leaf towards panel.



## Kid Builders™ Nu-Edge Birch Counter Panel

### STEP 3 ATTACH PLASTIC PANEL TO COUNTER PANEL

3a. Loosely attach the plastic panel to the counter panel metal plate in four places with hardware as shown below. Note correct orientation of panel - counterbored/radiused side should face *up*.



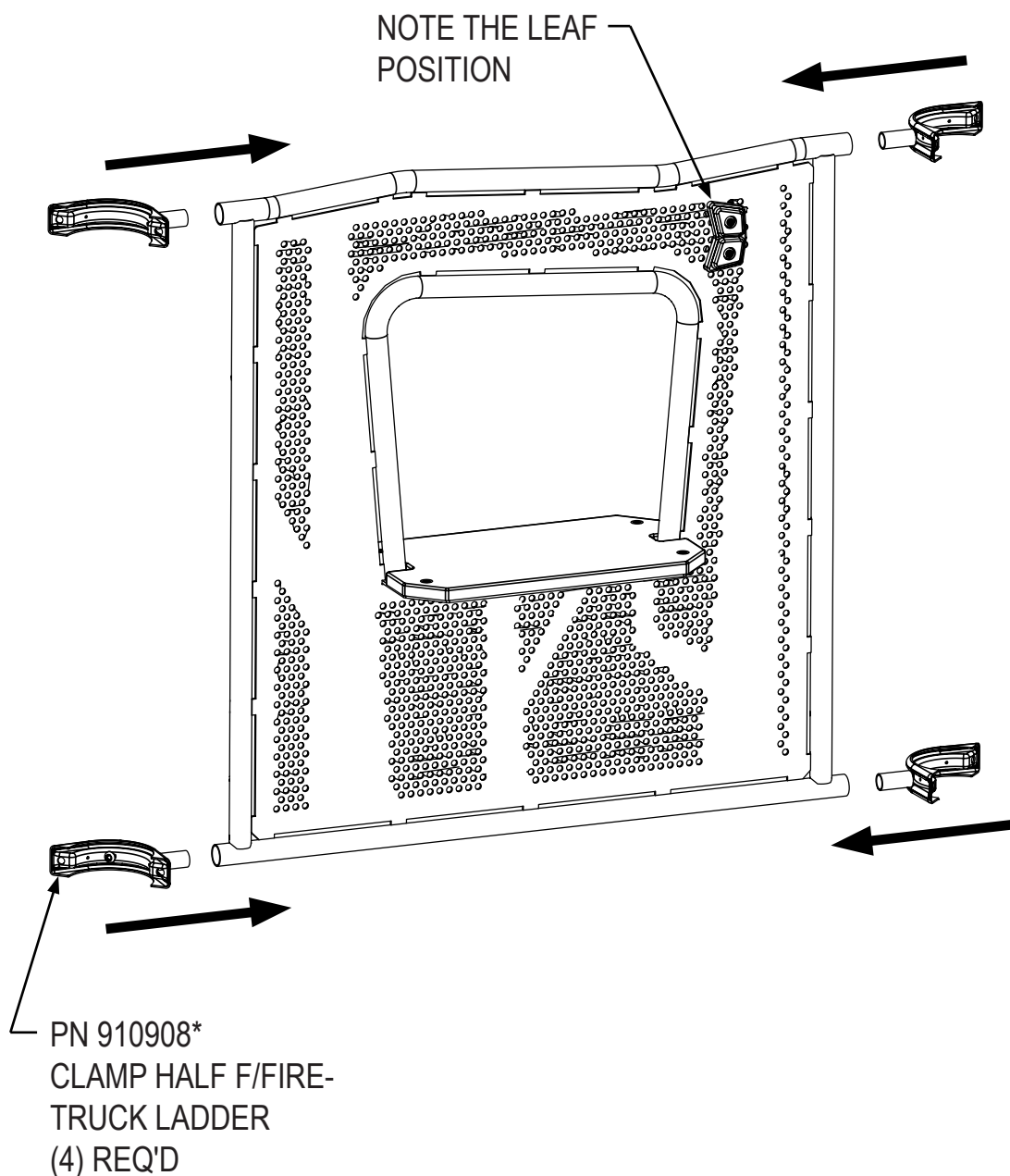


## Kid Builders™ Nu-Edge Birch Counter Panel

### STEP 4 PLACE CLAMP HALVES WITH STUB ON COUNTER PANEL RAILS

4a. Place the clamp halves with stubs on the top and bottom rails of the counter panel. Orient as shown below. Note the position of the leaf is on the upper right side of the panel. Hardware is not required for these connections.

4b. Place the panel with clamp halves on the deck posts and loosely assemble the clamps around the posts as shown in next step. *For installation under a 1220mm [48"] deck, see step 5a. For installation under higher than 1220mm [48"] decks, see step 5b.*



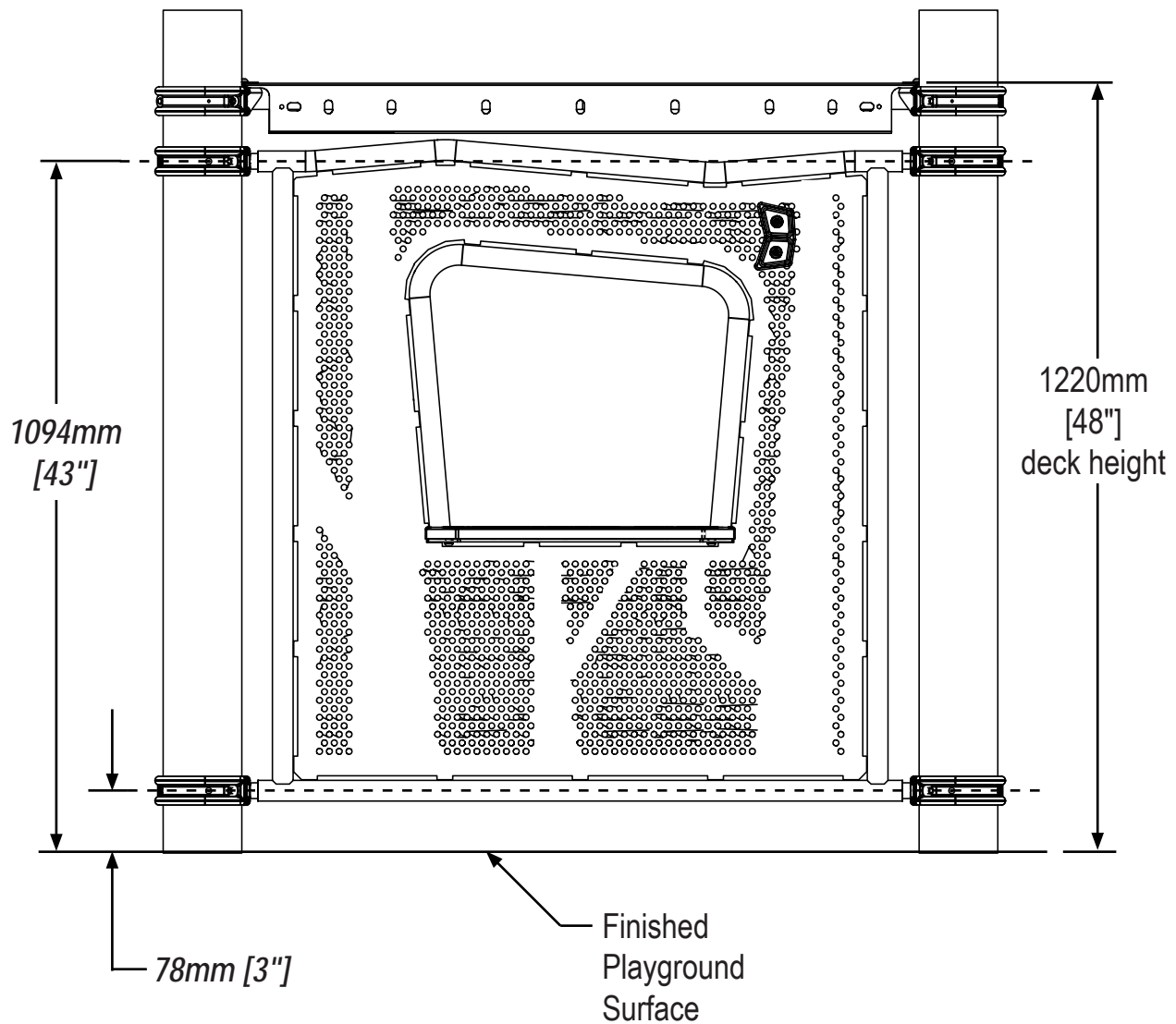
## Kid Builders™ Nu-Edge Birch Counter Panel

### STEP 5 ATTACH CLAMPS TO POSTS

5a. For installation under a 1220mm [48"] deck only:

Loosely assemble the four clamps on posts per clamp installation details in the installation manual. Do not install clamp hammer drive pins yet. Dimensions for clamp placement are shown below.

**NOTE: make sure there is not an entrapment gap between the counter panel top and deck bottom, and counter panel bottom and finished playground surface of 89mm - 229mm [3-1/2" - 9"].**





## Kid Builders™ Nu-Edge Birch Counter Panel

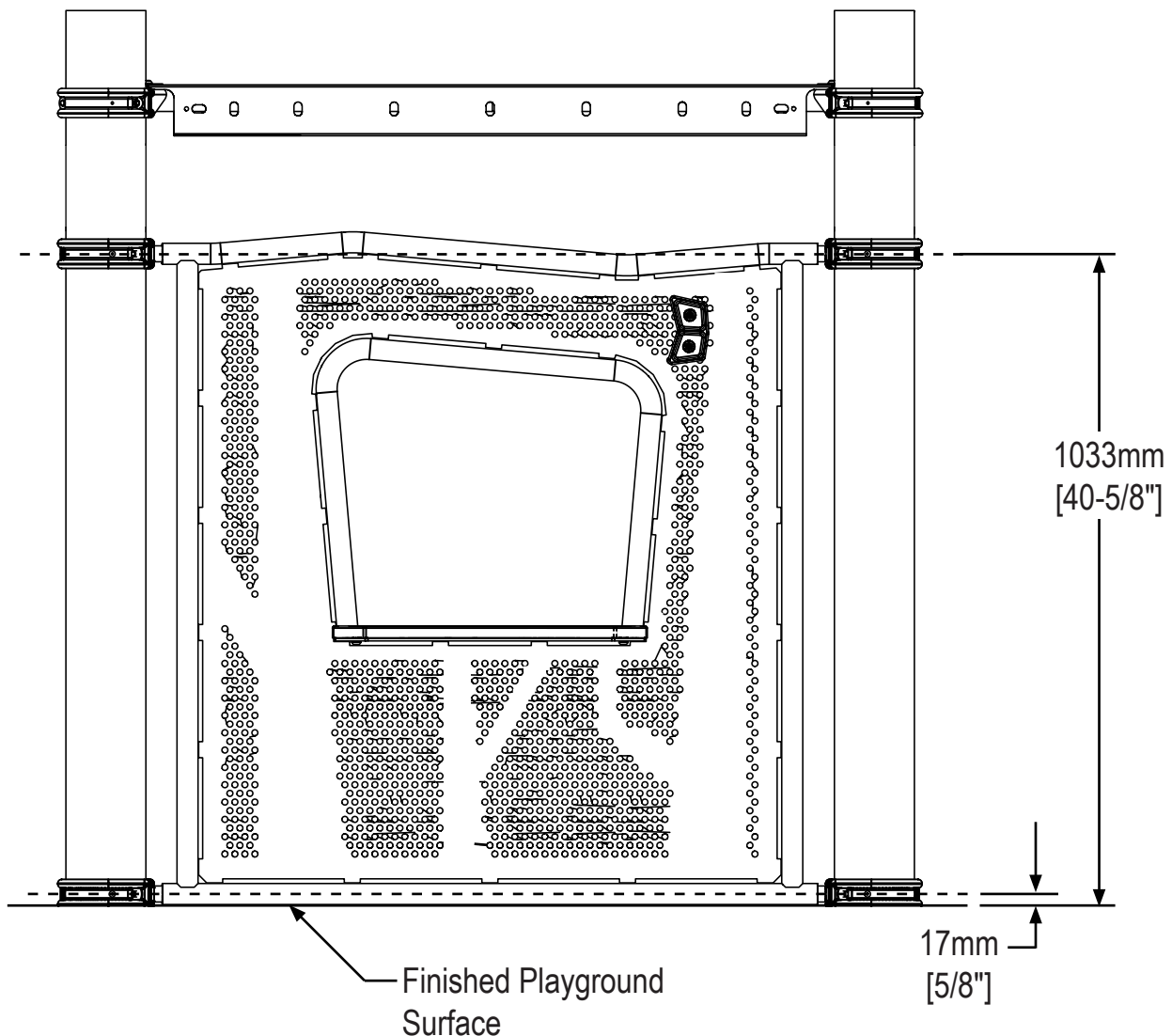
### STEP 5 ATTACH CLAMPS TO POSTS

5b. *For installation under decks higher than 1220mm [48"]:*

Loosely assemble the four clamps on posts per clamp installation details in the installation manual. Do not install clamp hammer drive pins yet. Dimensions for clamp placement are shown below.

**NOTE:** make sure

**there is not an entrapment gap between the deck bottom and counter panel top of 89mm - 229mm [3-1/2" - 9"].**



# Kid Builders™ Nu-Edge Birch Counter Panel

FINAL STEP

Level and plumb counter panel and tighten all hardware. Install hammer drive pins in post clamps. Proceed with *Final Assembly installation*.



Project Number: R0324240162

PlayArea: RiskSign\_Included | Park Service

Project Name:

Project Location:

Sales Representative:

Northland Recreation  
10085 Bridgewater Bay  
Woodbury, MN 55129  
2623138636

## Installation Instructions

Please, read all information in this manual  
before starting to install your equipment.

Date: 5/13/2024 12:00:00 AM

## Risk Management Sign

**IMPORTANT!** The Risk Management Sign is to be installed outside the defined play area and play equipment use zones. It needs to be oriented so that the **front side faces the main entrance to the playground** and next to but not interfering with the accessible route that leads to the play space.

### Models included in this installation guide:

<u>MODEL</u>	<u>DESCRIPTION</u>
787	Risk Management Sign - English
787FR	Risk Management Sign - French
787SP	Risk Management Sign - Spanish



*Note:*

- English version shown.
- An (\*) by part numbers indicate: Color Code Required.

## Risk Management Sign

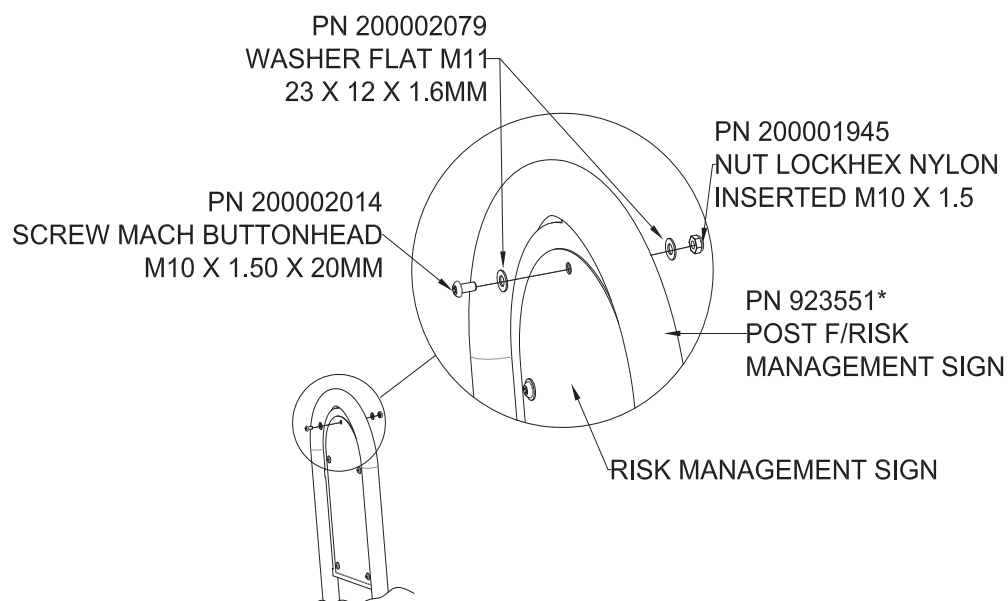
### **STEP 1** ATTACH AGE-APPROPRIATE STICKER

1a. Attach age-appropriate sticker to sign, in location, as shown below.



### **STEP 2** ATTACH SIGN TO POST FRAME

2a. Attach sign as shown below, in five (5) locations.

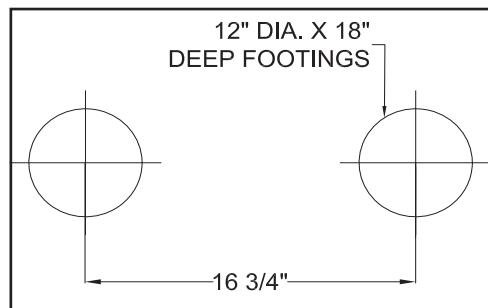


## Risk Management Sign

### STEP 3 DIG FOOTINGS

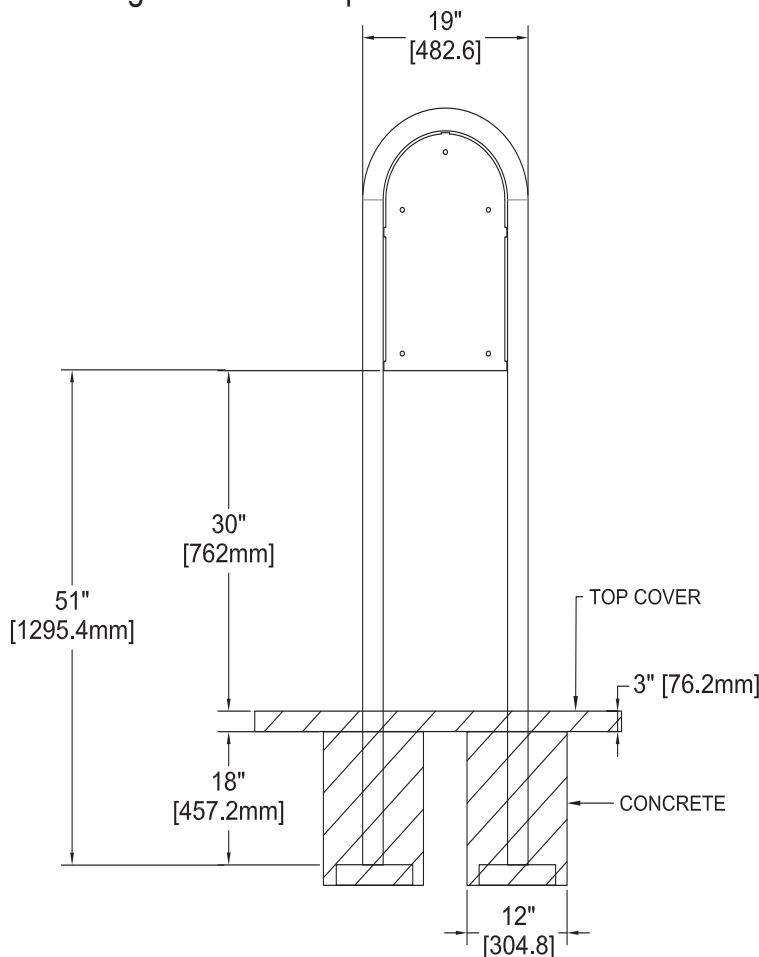
3a. Dig footings per *Footing Layouts*, *Construction Drawings*, and *Footing Details* installation.

*Note: Do not pour concrete for footings until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.*



### STEP 4 SET SIGN IN FOOTINGS - OUTSIDE PLAY AREA

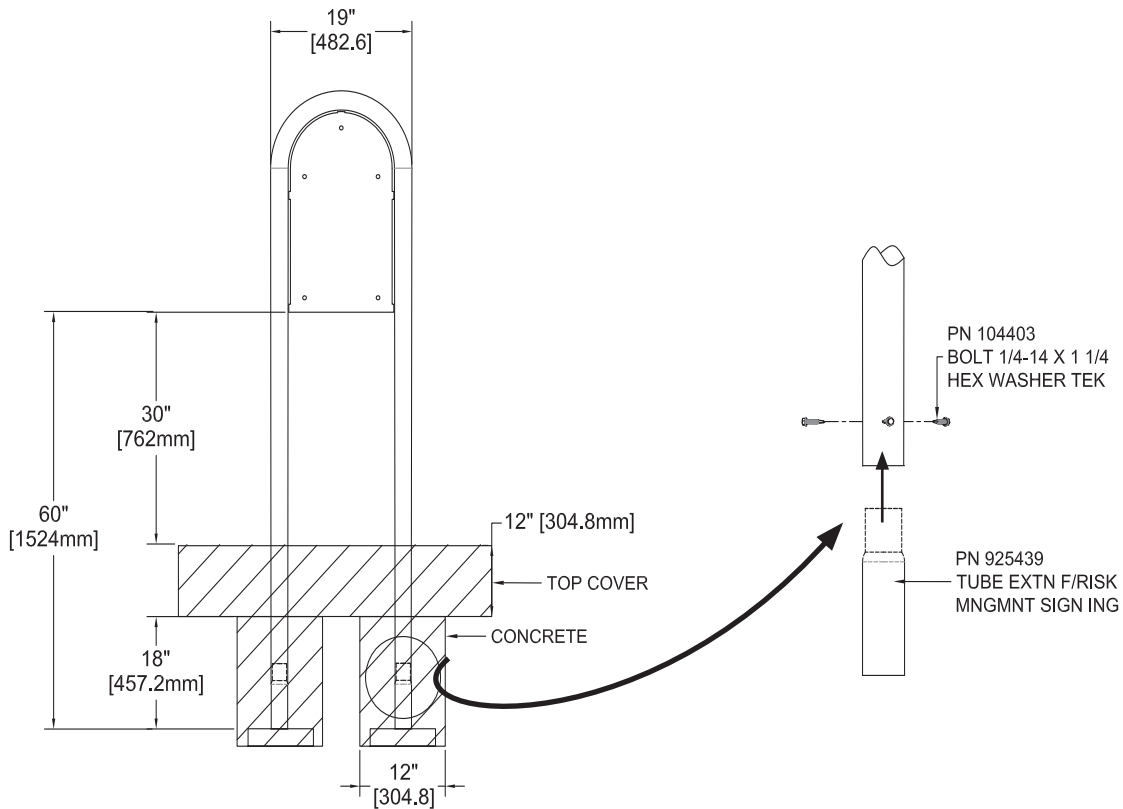
- 4a. Place a brick in the bottom of each hole so the sign will rest on the brick when inserted.
- 4b. Set risk management sign in footings per *Construction Drawings* pour concrete; plumb sign in footings and brace in position until concrete is cured.



## Risk Management Sign

### STEP 5 SET SIGN IN FOOTINGS - INSIDE PLAY AREA

- 5a. Place a brick in the bottom of each hole so the sign will rest on the brick when inserted.
- 5b. Insert the 10" tube extension into the risk management sign; use a rubber mallet, if needed, to swage the extensions for a tight fit; secure with Tek screws.
- 5c. Set the sign in the footings per Construction Drawings and pour concrete; plumb sign in footings and brace in position until concrete is cured.



### FINAL STEP

Proceed with *Final Assembly installation* located behind *Installations 101* in Installation Manual.

# Risk Management Sign

## Bill of Material

### Model 787

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923560	PC F/787 RISK MNGMT ENGLISH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5

### Model 787FR

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923558	PC F/787FR RISK MNGMT FRENCH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WSHER TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5



# Risk Management Sign

## Bill of Material cont.

### Model 787SP

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
1	923551*	POST F/RISK MANAGEMENT SIGN
1	923559	PC F/787SP RISK MNGMT SPANISH
1	925441	PARTS CARTON RISK MNGMNT SIGN EXTN
1	HW923551-1	HRDW PKG RISK MANAGEMENT SIGN S1/1

### Parts Carton 925441

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
2	925439	TUBE EXTN F/RISK MNGMNT SIGN ING
6	104403	BOLT 1/4-14 X 1 1/4 HEX WSHR TEK

### HW923551-1

<u>QTY</u>	<u>PART</u>	<u>DESCRIPTION</u>
5	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM
5	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5