

APPENDIX A:
PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS

APPENDIX A:

Eken Park

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**





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

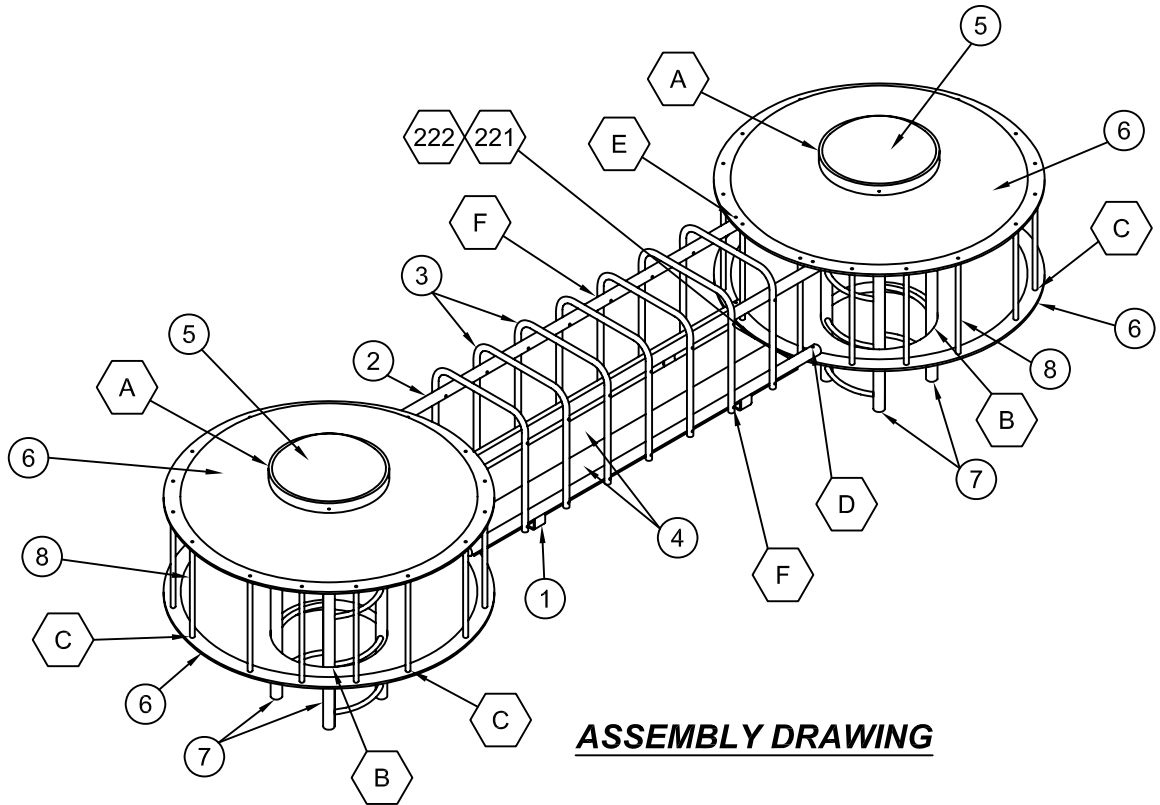
618

SPACE MODULE

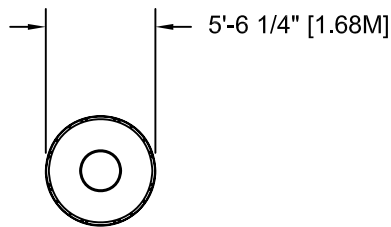
ISSUED/REVISED: 11/11/08

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

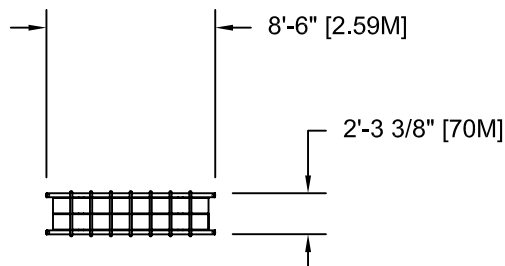
SPACE MODULE 618
SPACE CRAWLWAY 619, P619



ASSEMBLY DRAWING



618



619

TOP VIEWS



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

SPECIFICATIONS

618 SPACE MODULE

DOME: Shall be constructed of 66-1/4" O.D. galvanized steel spinning, bottom spinings shall be the same, with a 24" I.D. opening. Domes shall have a powder coat finish.

INNER LADDER: Siderails shall be fabricated of 2-3/8" O.D. galvanized pipe. Rungs shall be fabricated of 1-1/16" O.D. galvanized pipe. Inner ladder shall be an all welded construction, with a powder coat finish.

BAR UPRIGHTS: Shall be fabricated of 1-1/16" O.D. galvanized pipe with threaded inserts. Bar uprights shall have a powder coat finish.

619, P619 SPACE CRAWLWAY

ENCLOSURE ARCH: Shall be fabricated of 1-5/16" O.D. galvanized pipe, precision punched for fastening to support rails and slat support assembly.

ALUMINUM SLAT: Shall be extruded from anodized aluminum 14 gauge x 2" x 10" x 7'-10" long.

END CAPS (FOR ALUMINUM SLATS): Shall be extruded from anodized aluminum.

HARDWARE: All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment,

shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 300 series stainless steel. Fasteners with yellow dichromate treatment have an electro deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing.

FINISH (619): All welds are painted aluminum.

FINISH (P619): Slat Support Assembly and Enclosure Arch shall have a powder coat finish.

SLAT SUPPORT ASSEMBLY: Support rails shall be fabricated of 2-3/8" O.D. galvanized pipe. Slat mounting bracket shall be fabricated of 3/8" x 3" galvanized flat. Support assembly shall be an all welded construction.

GENERAL: Overall height of Space Module (618) is approximately 6'-10-1/8" [208.60 cm]. Height of crawlway surface is 3'-11-7/8" [121.60 cm].

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



NOTES:

CONCRETE REQUIREMENT: 1.04 CUBIC YARDS [.80 CUBIC METERS]

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.

GROUND PLAN

INSTALLATION INSTRUCTIONS

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

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

NOTE: Read installation instruction 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.

618 ONLY

For Installation use Steps 1 through 7.

619 CRAWLWAY

When a crawlway is added, Installation Steps 1 through 6 are to be used for 618 Space Modules. Continue with Step 10 through 14 for assembly of the 619 Crawlway. **NOTE:** A rivet gun is required for assembly.

STEP 1: Insert one ladder into 24" I.D. hole in bottom dome, bolt in place with 3/8" x 2-1/2" button head screw, 3/8" Lockwasher and 3/8" T-nut (See Detail A). Repeat procedure for other ladder. Attach dome top and top spinning to ladders using 3/8" x 2 3/4" button head screw, 3/8" Lockwashers, and 3/8" T-nuts. (See Detail B)
NOTE: Check to make sure holes in the top and bottom domes are aligned. Make sure T-nut is on the inside.

STEP 2: Bolt bar upright in place, using 3/8" x 1" button head screws, 3/8" Flatwasher and 3/8" Lockwashers. (See Detail C)

STEP 3: Tighten all bolts and nuts.

STEP 4: Dig required hole sizes, per drawing. **NOTE:** Due to extremes in weather and soil conditions, hole size may have to be increased to meet local conditions.

STEP 5: Set Climber Assembly into hole. If a 619 Space Crawlway is being installed, skip steps 6 and 7 and go to step 8.

STEP 6: Place under each leg of ladders a brick or equivalent for a foundation block. Level and plumb unit.

STEP 7: Pour concrete to within 1'-0" [30.48 cm] of finished surface, see Footing Detail. Allow concrete to cure for 48 hours (minimum).

STEP 8: Repeat Steps 1 through 6 for second 618.

STEP 9: See Ground Plan for correct placement of second Space Module.

STEP 10: Fasten slat support assembly on both lower spinning of space modules, using 3/8" x 2-3/4" button head screws, 3/8" Flatwasher, 3/8" Lockwasher and 3/8" T-nuts (See Detail D).

STEP 11: Fasten top rails to the underside of the top spinning, using 3/8" x 2-3/4" button head screws, 3/8" Flatwasher, 3/8" Lockwasher and 3/8" T-nuts. (See Detail E).

STEP 12: Install end caps on both ends of the aluminum slats by field drilling 5/32" diameter holes through bottom of end cap and slat. See Detail 222. Then install pop rivet, (2) rivets per end cap.

STEP 13: Bolt in place, using aluminum hold down clamps, 3/8" x 1-1/4" carriage bolt and nut. See Detail 221.

STEP 14: Bolt enclosure arches to the top support rail and slat support assembly. Bolt each arch in four places, using 3/8" x 3" button head screw, 3/8" Lockwasher and 3/8" T-nut. (See Detail F).

STEP 15: Tighten all nuts and bolts at this time. Drive caps into each end of the pipes.

STEP 16: At this time do step numbers 6 and 7. **NOTE:** Make sure crawlway surface measures 3'-11-7/8" [121.60 cm] from finish surface for 618.

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

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

WARNING

FAILURE TO PROPERLY INSTALL
END CAPS PER INSTALLATION
INSTRUCTIONS MAY RESULT IN
SERIOUS INJURY TO USER.

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.			PART NUMBER
		619	P619	618	
1	Slat Support Ass'y	1	0	0	107936
1	Slat Support Ass'y	0	1	0	121421
2	Support Rails	2	0	0	107934
2	Support Rails	0	2	0	121422
3	Enclosure Arch	7	0	0	107937
3	Enclosure Arch	0	7	0	121423
4	2" x 10" Aluminum Slat (Unpainted)	2	2	0	105318
5	Dome Top	0	0	1	155261*
6	66 1/4" Diameter Dome	0	0	2	155442*
7	Inner Ladder	0	0	2	141348*
8	Bar Upright	0	0	16	137191*
	Hardware Complete	1	1	0	107938
	Hardware Complete	0	0	1	155669*
	2" Pipe Caps	8	8	0	1172*
	End Cap	4	4	0	127172*
	Hold Down Clamps	8	8	0	127200*
	3/8" x 1 1/4" Carriage Bolt	8	8	0	800254*
	3/8" Lockwasher	44	44	40	817334*
	3/8" x 3" B.H.C.S.	28	28	0	811059*
	3/8" Tee-Nut (Metal)	36	36	8	804556*
	1" Pipe Plug	14	14	0	1022*
	3/8" Hex Nut	8	8	0	804053*
	3/8" x 1" B.H.C.S.	0	0	32	811050*
	3/8" x 2 1/2" B.H.C.S.	0	0	4	811057*
	3/8" x 2 3/4" B.H.C.S.	8	8	4	811058*
	Pop Rivet	8	8	0	106264*
	3/8" Flatwasher (13/16" O.D.)	8	8	40	817410*

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

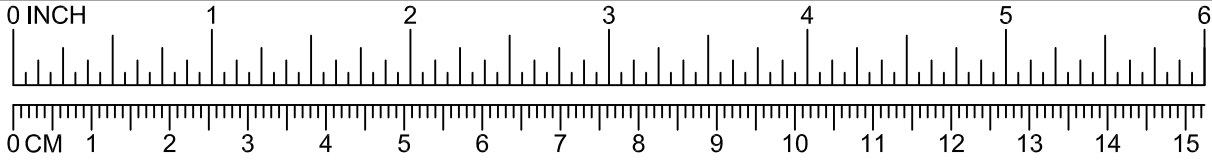
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 618, 619, & P619

IMPORTANT

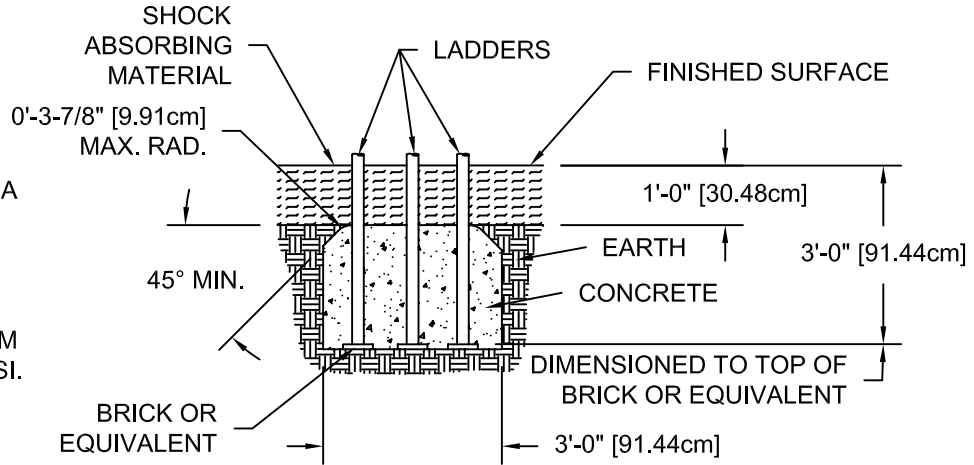
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



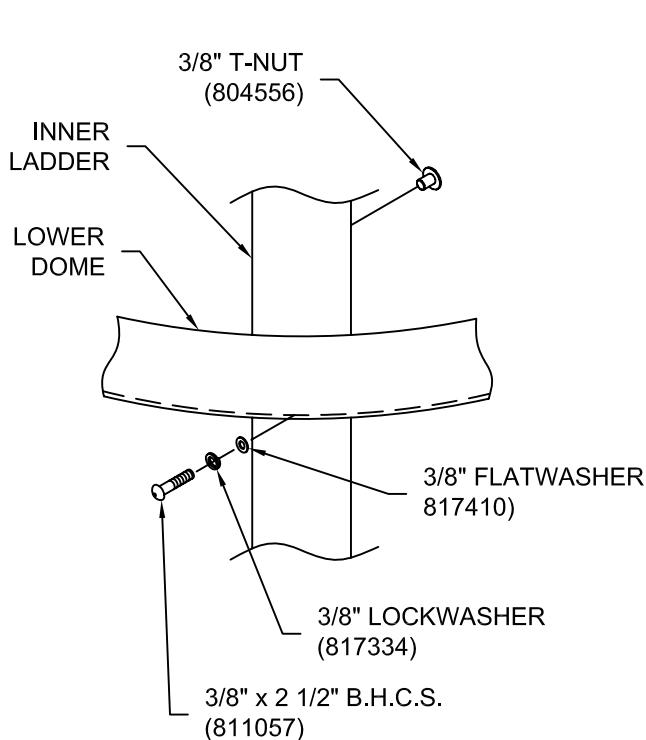
NOTE: SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1.

NOTE: SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI.

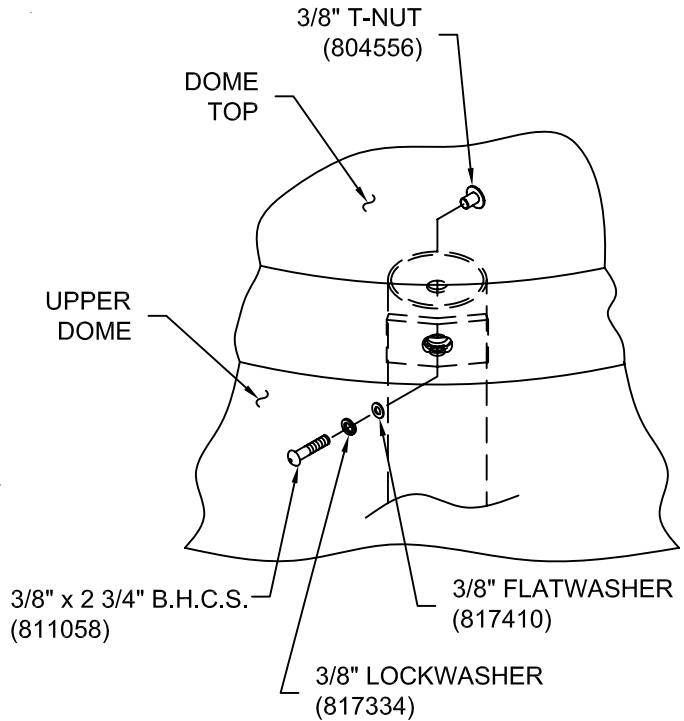


FOOTING DETAIL

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 WITH EARTH, BEFORE APPLYING SURFACING.



DETAIL "A"



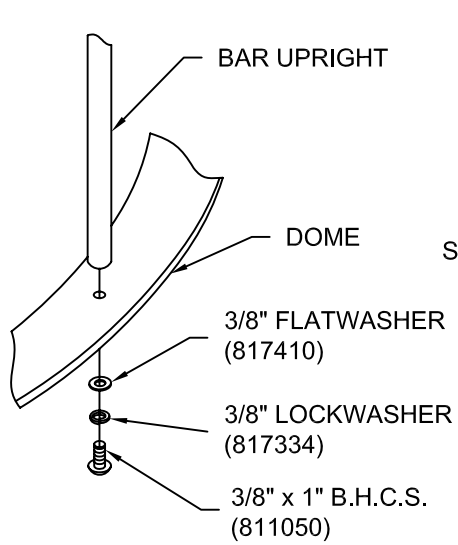
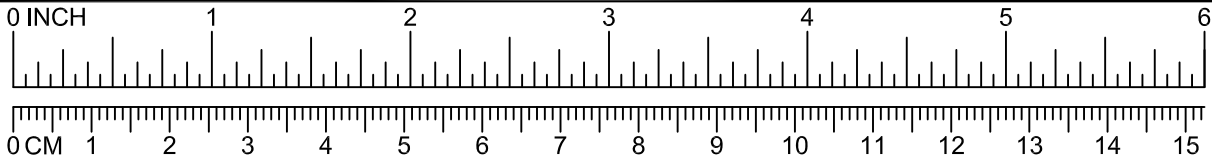
DETAIL "B"

DETAILS -for- 618, 619, & P619

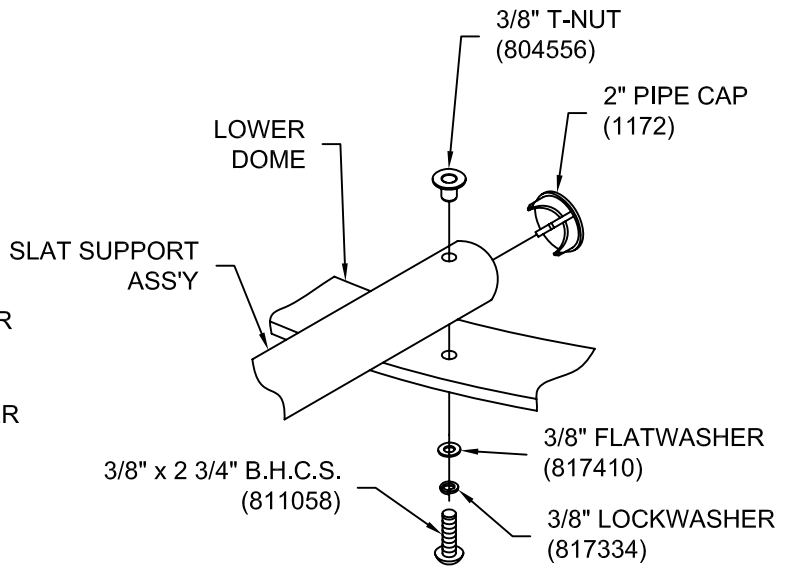
IMPORTANT

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.

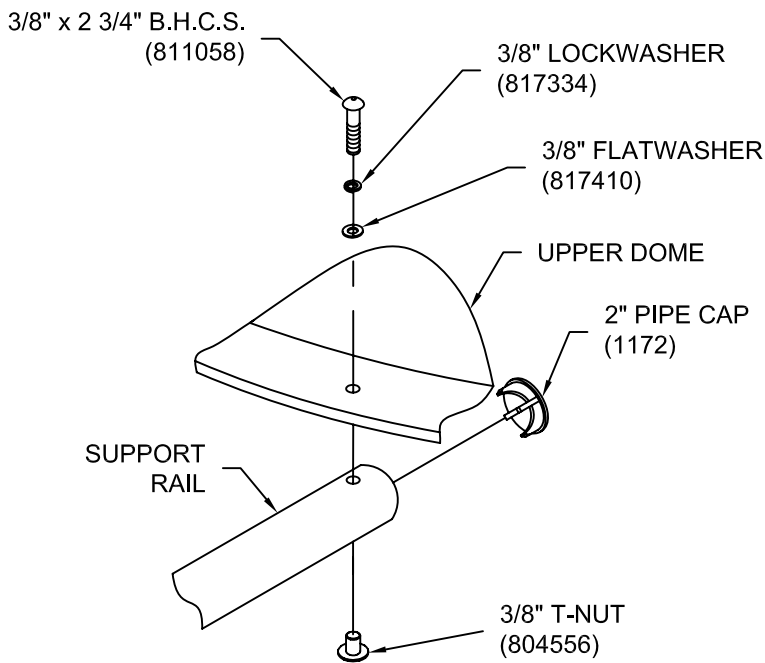
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



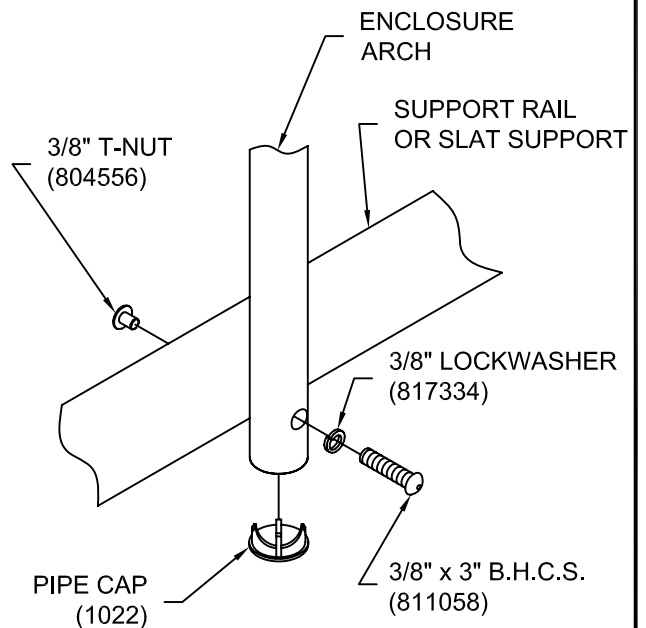
DETAIL "C"



DETAIL "D"



DETAIL "E"



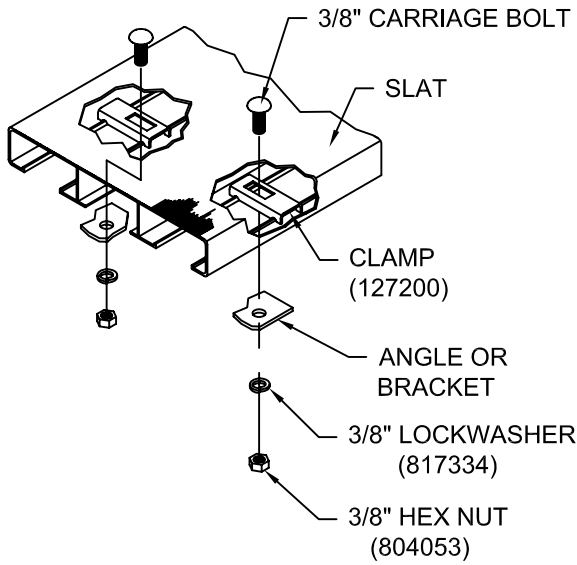
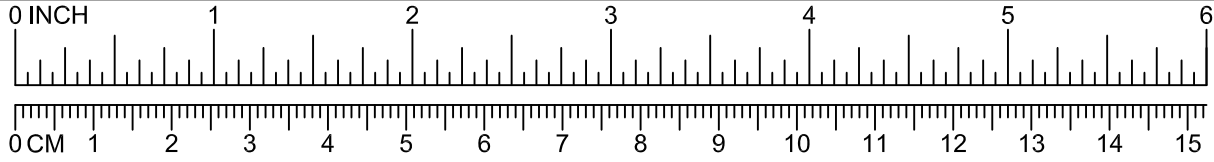
DETAIL "F"

DETAILS -for- 618, 619, & P619

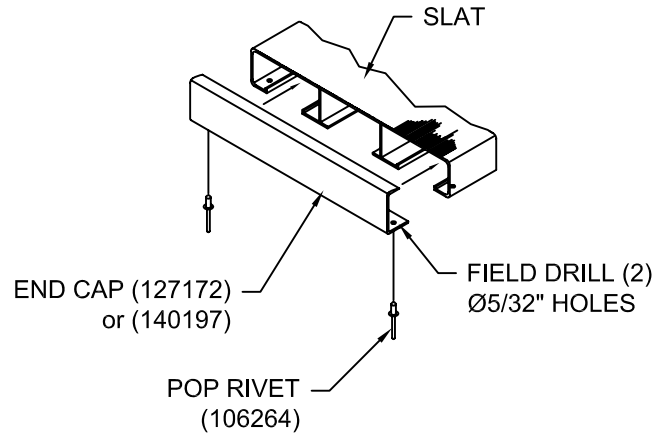
IMPORTANT

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.



221





222



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

8691 SEAT

ISSUED/REVISED: 10/30/17

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

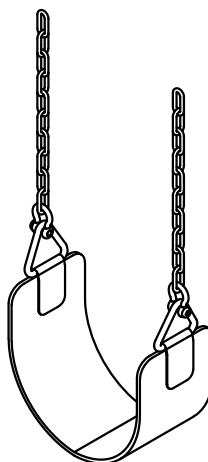
BELT SEAT 8691
FULLY ENCLOSED SEAT 8693
 8695, 8696, 8908, 8909, 8910, 8911,
 8914, 8918, SS8914, SS8695,
 SS8696, SS8918, SS8908, SS8910,
 SS8909, SS8911
SEAT PACKAGES



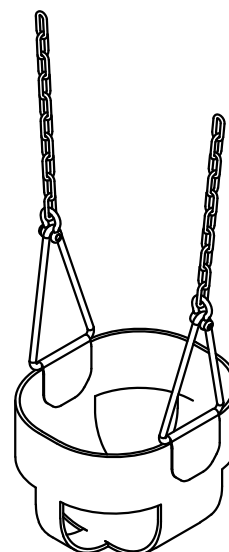
8695, 8696, 8914, SS8914, SS8695, SS8696



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



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

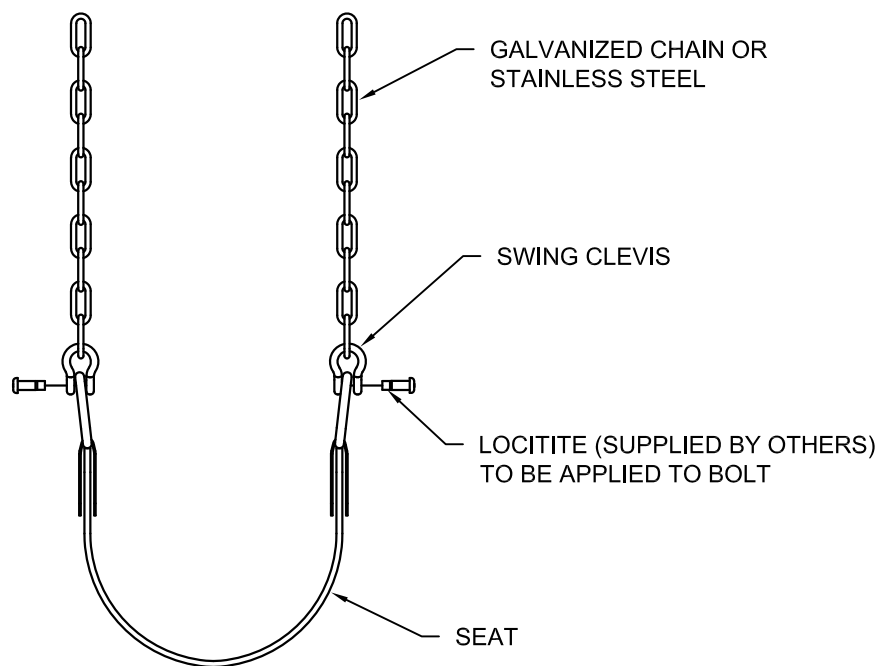
DESCRIPTION	NO. REQUIRED								PART NO.
	8691	8918	8908	8910	8909	8911			
Belt Seat	1	1	1	1	1	1			8691
Swing Hanger (2-3/8" O.D.)	0	0	2	0	2	0			1461
Swing Hanger (3-1/2" O.D.)	0	0	0	2	0	2			1462
Swing Hanger (5" O.D.)	0	2	0	0	0	0			1487
Chain	0	2	0	0	0	0			103052
Chain	0	0	2	2	0	0			166892
Chain	0	0	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

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

SPECIFICATIONS

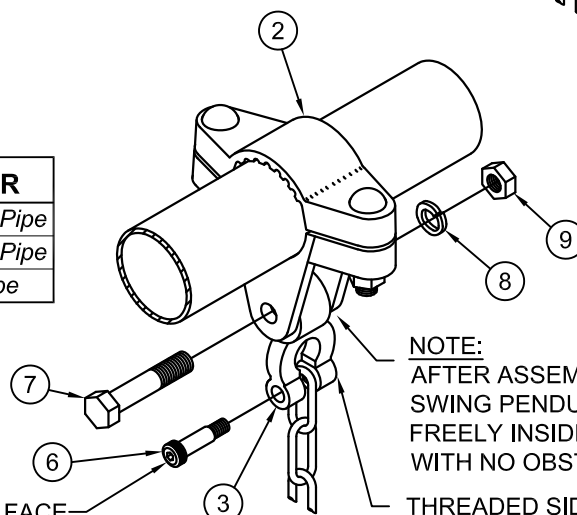
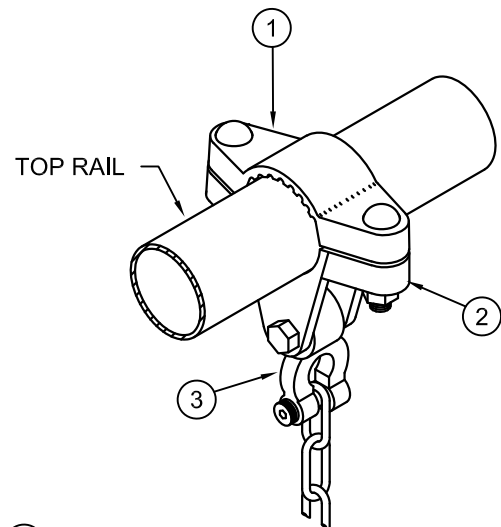
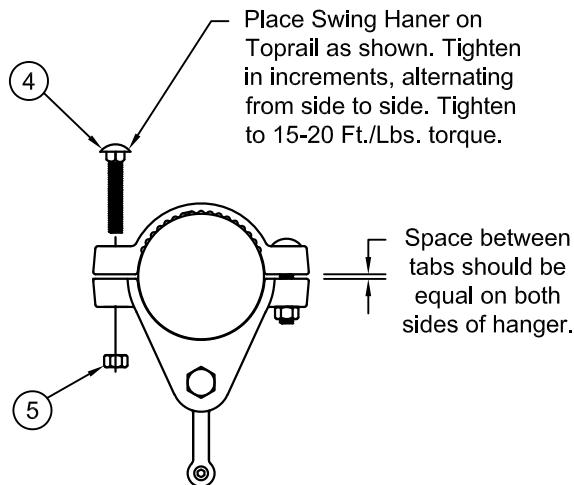
MATERIAL: All swing hanger castings shall be cast of malleable iron.

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.



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

NOTE: BOLT HEAD TO FACE
 INTERIOR OF SWING

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

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

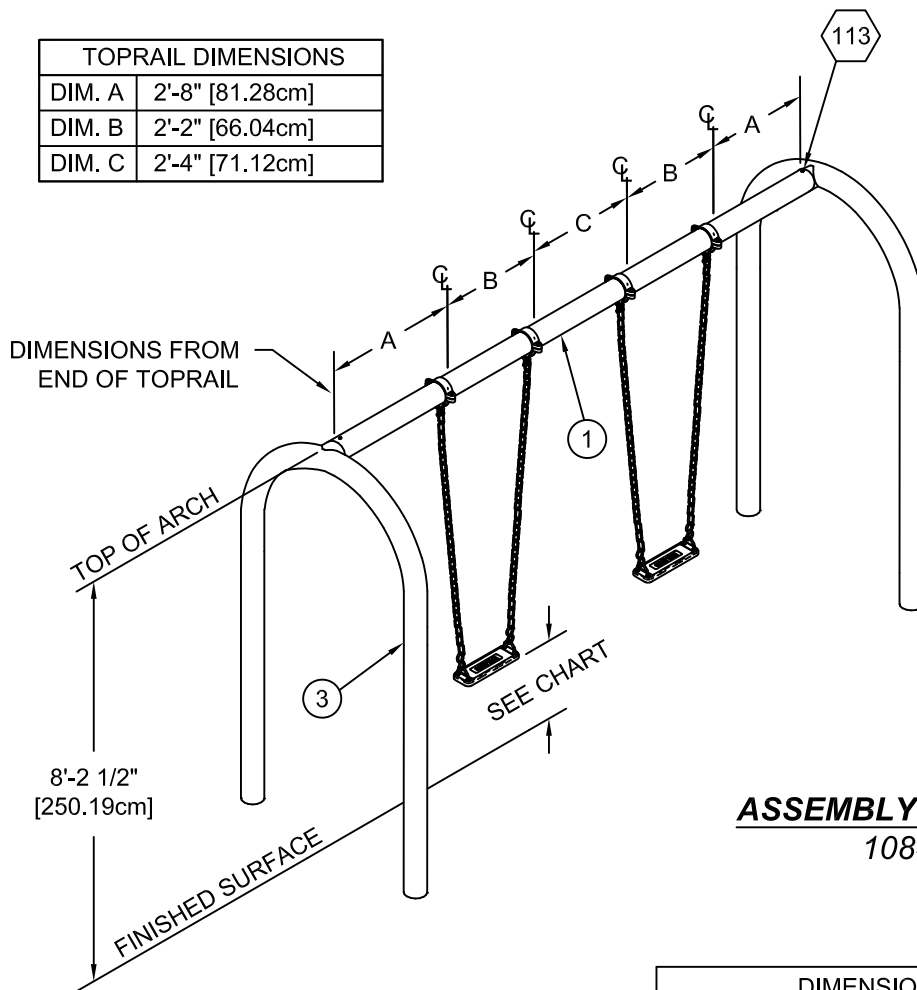
Unless otherwise specified, all units of measure are each.

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

-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

**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.

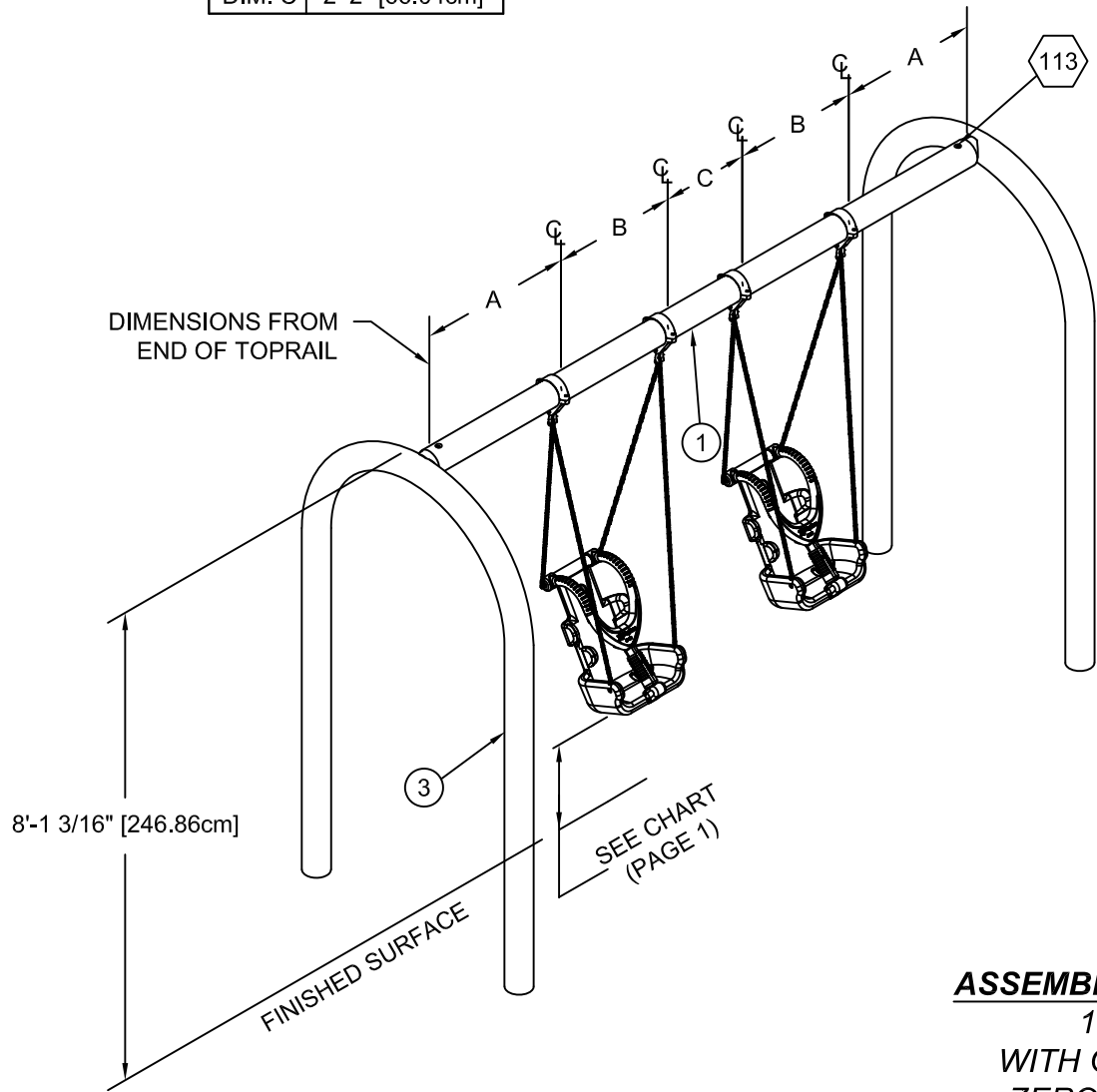
ASSEMBLY DRAWING 10847

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

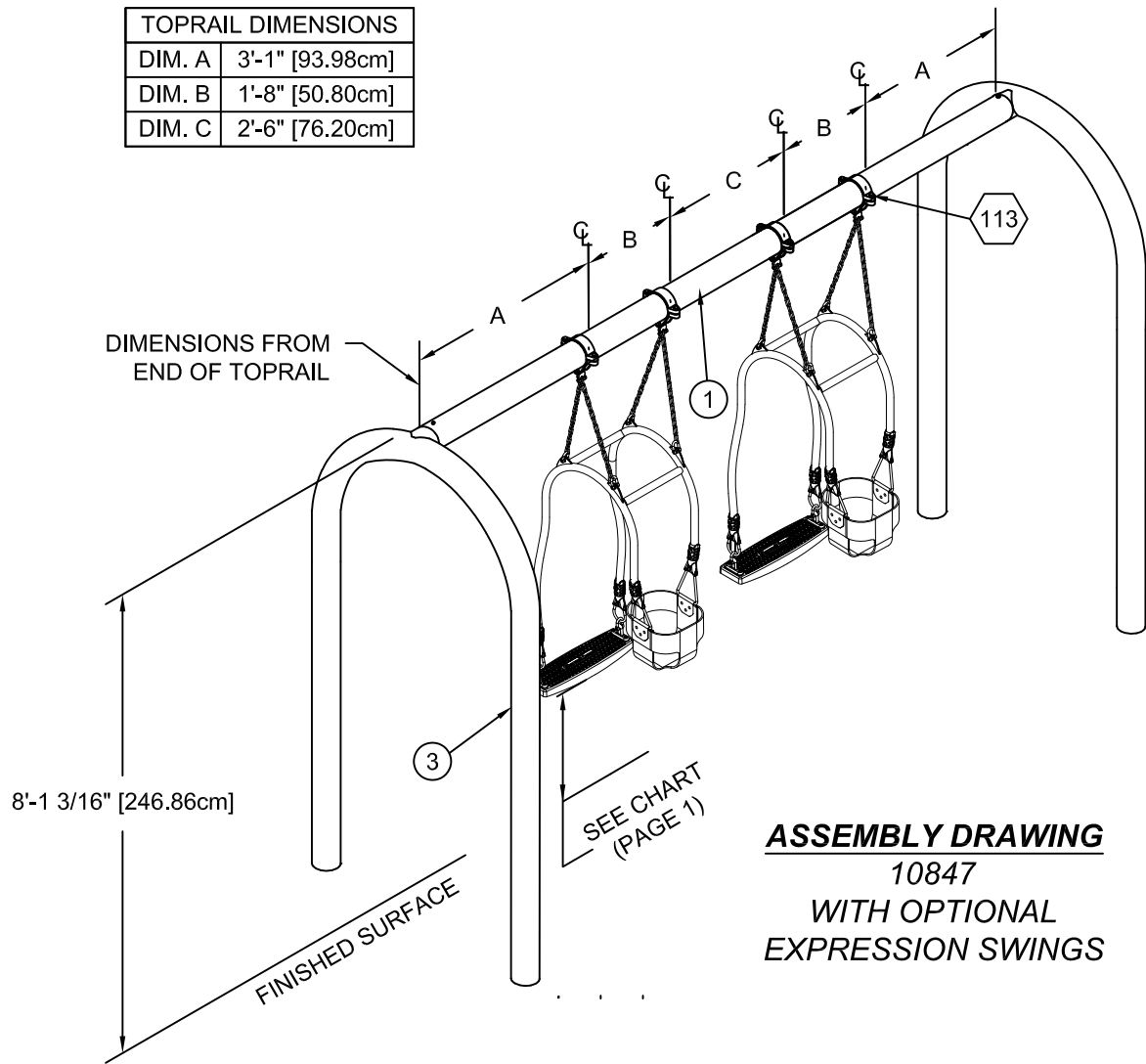
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

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

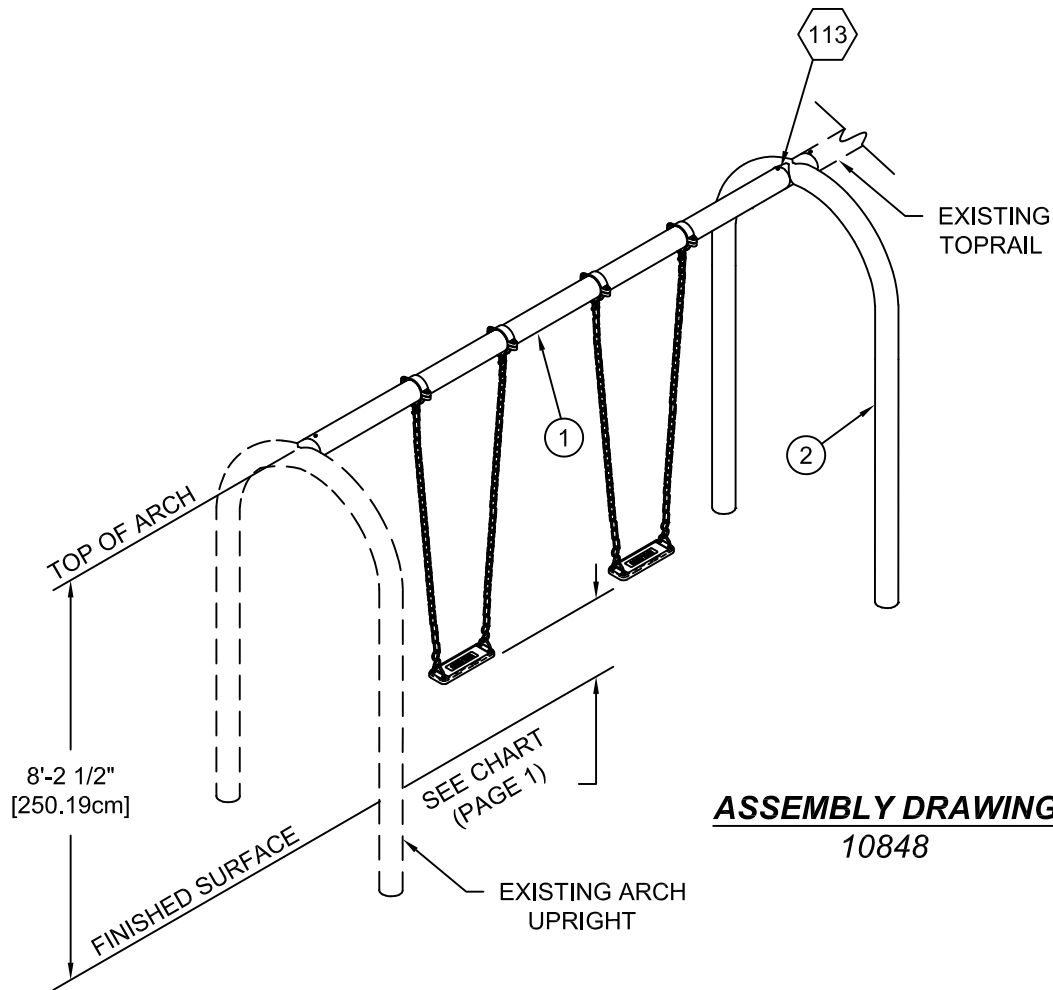


ASSEMBLY DRAWING
10847
WITH OPTIONAL
ZERO-G CHAIR

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



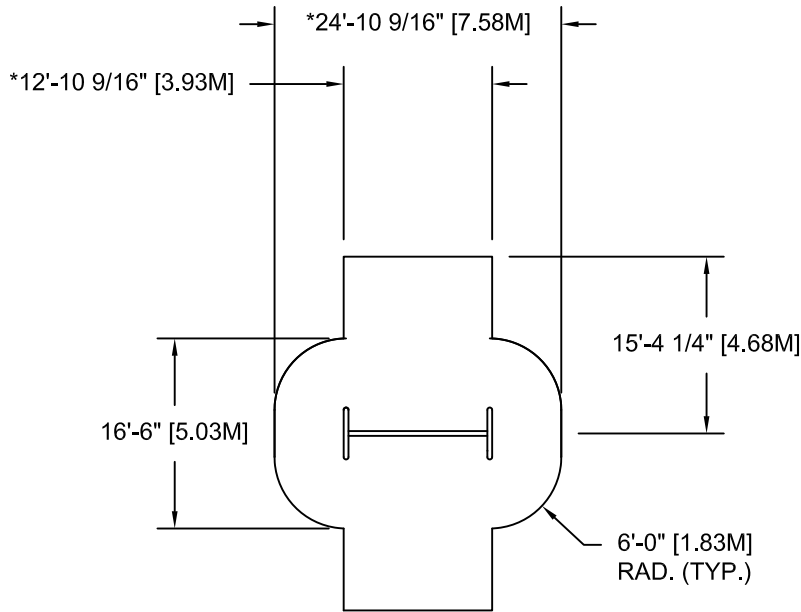
ASSEMBLY DRAWING
10848

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*

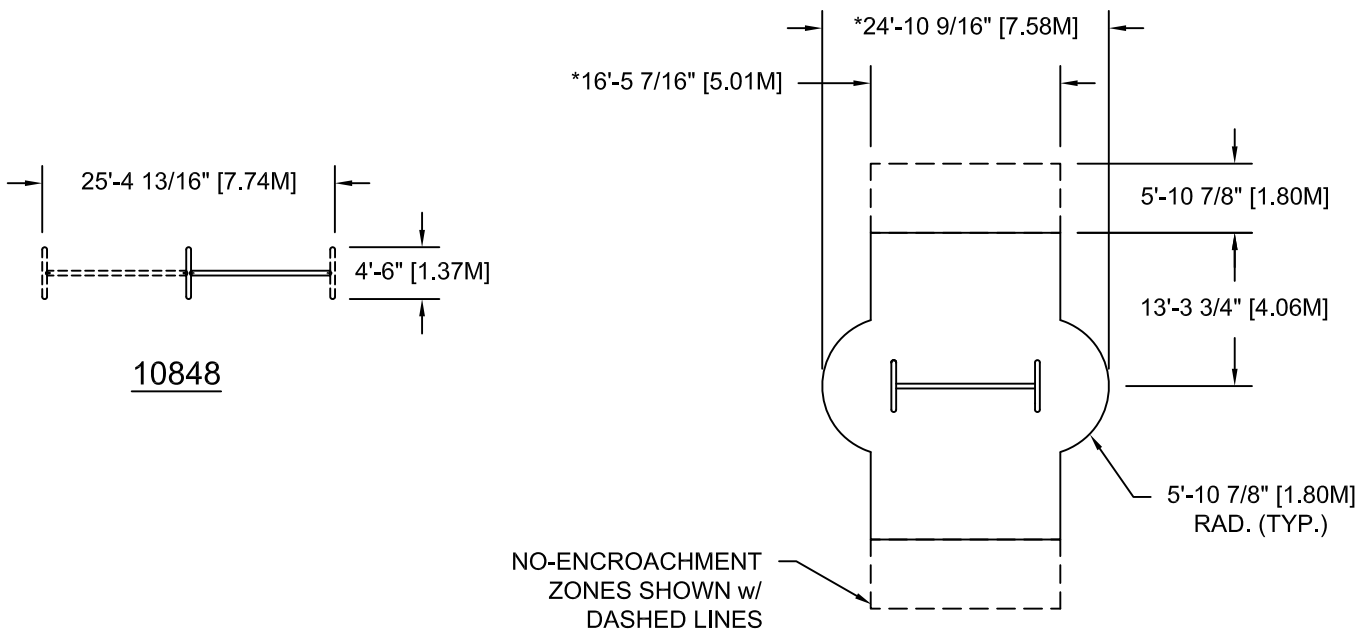
Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

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

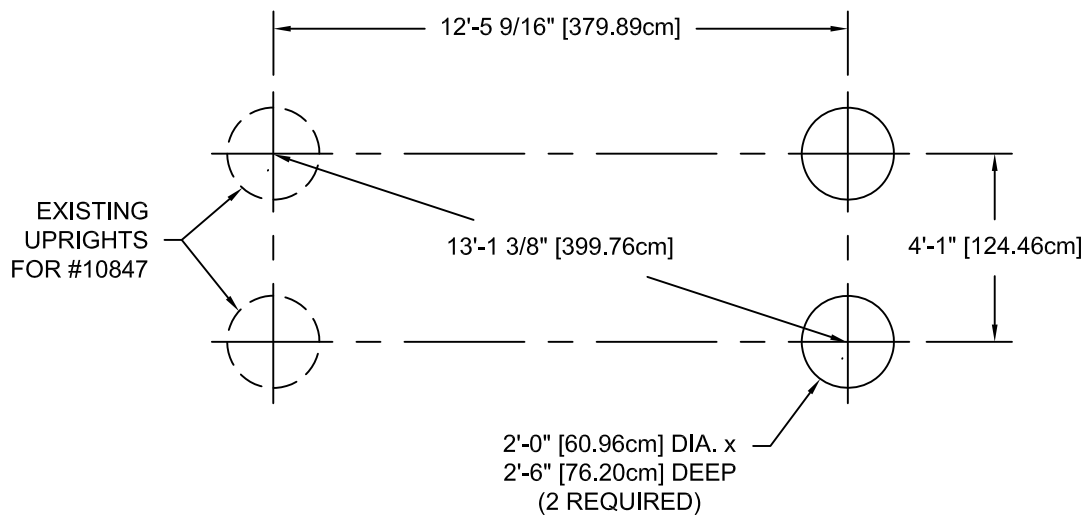


10848

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" [3.18M].



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.

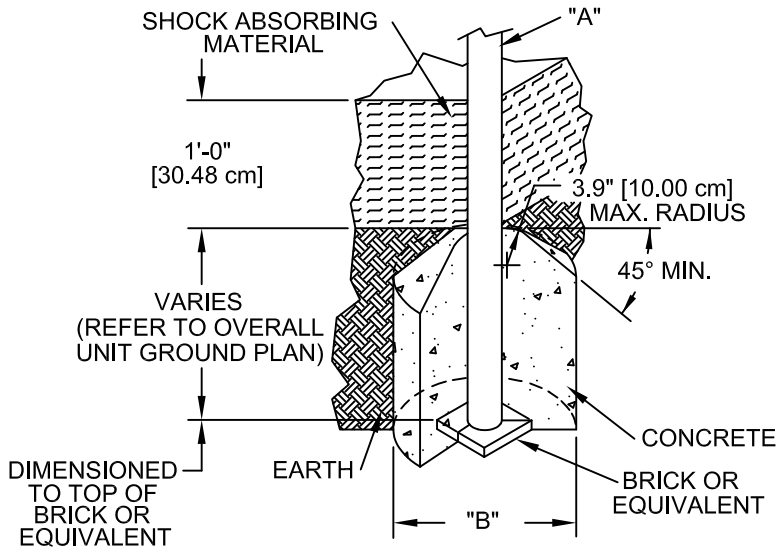
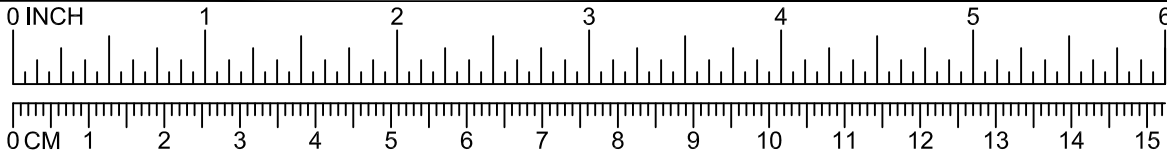
Approximate Concrete Required:
.69 Cubic Yards
[.53 Cubic Meters]
Required Per Arch

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.



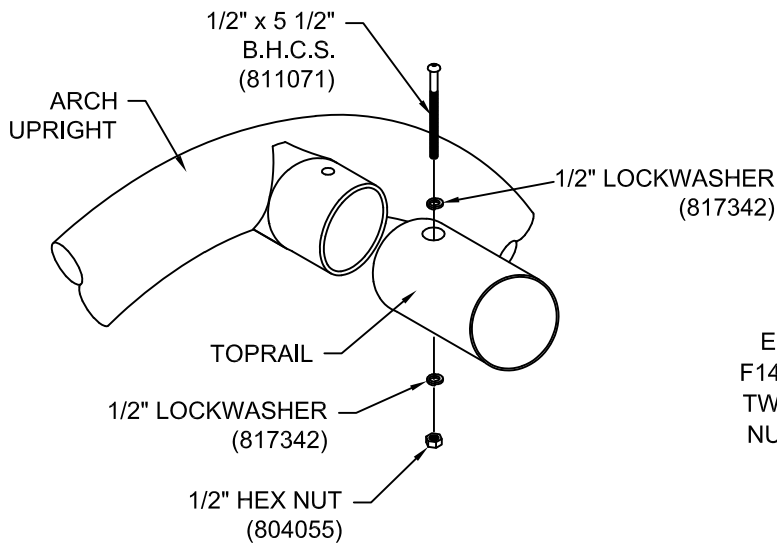
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



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.



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.





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

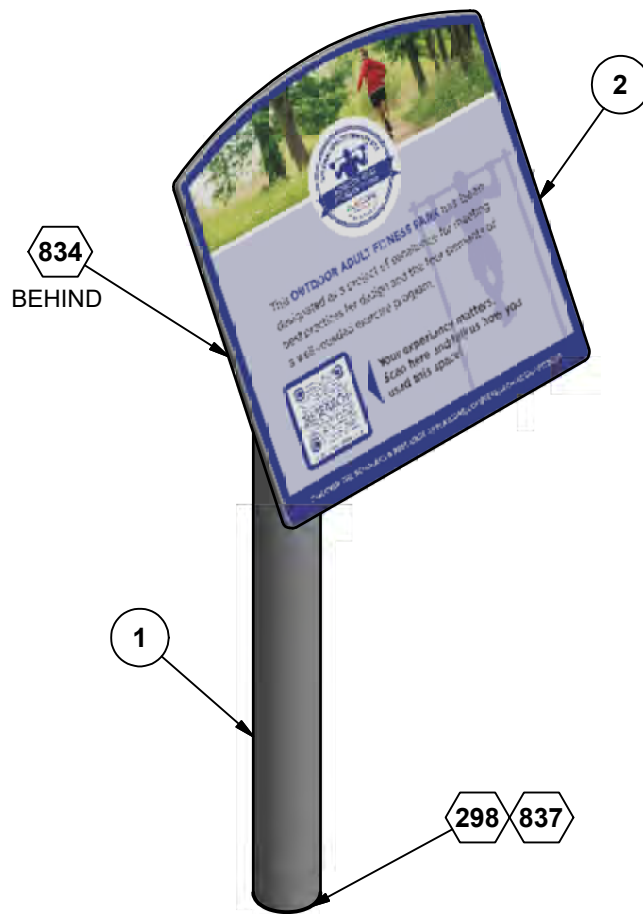
14926

NATIONAL DEMONSTRATION SITE SIGN PACKAGE

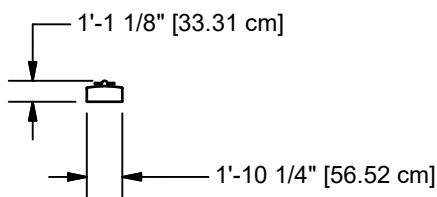
ISSUED/REVISED: 2/15/19

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



ASSEMBLY VIEW



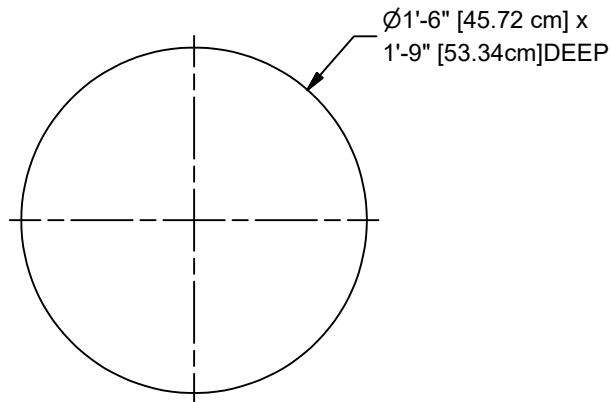
TOP VIEW

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

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

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

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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

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

SPECIFICATIONS

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

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

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

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

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

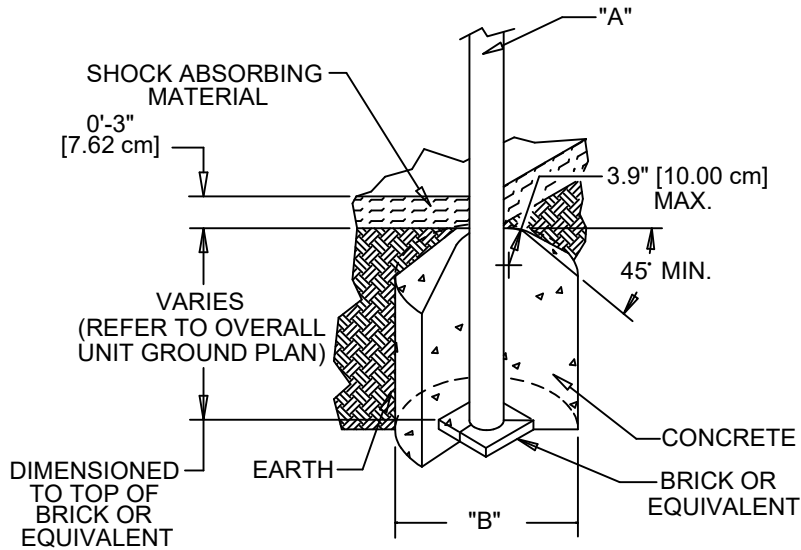
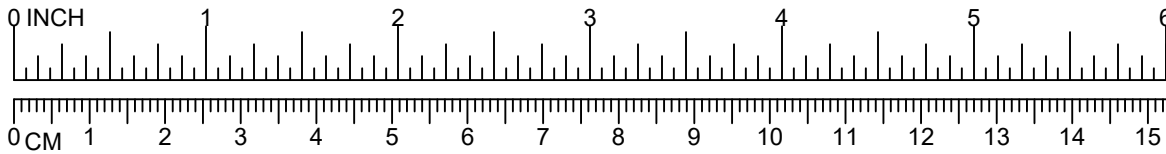
DETAILS -for- 14926-14930

IMPORTANT

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

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

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

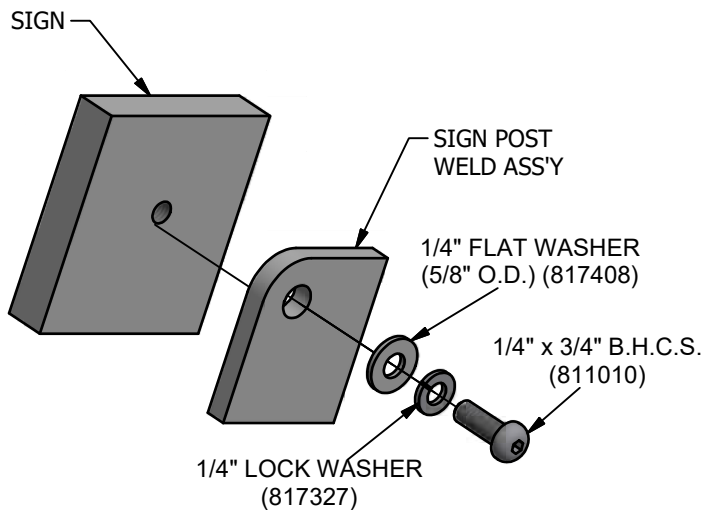


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

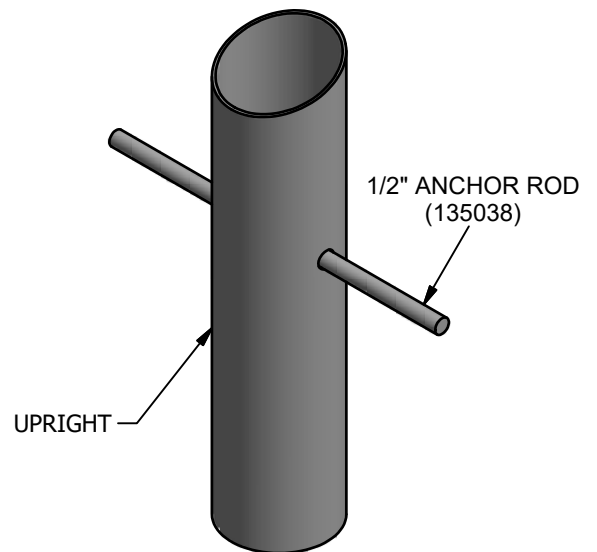
NOTES:

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



298

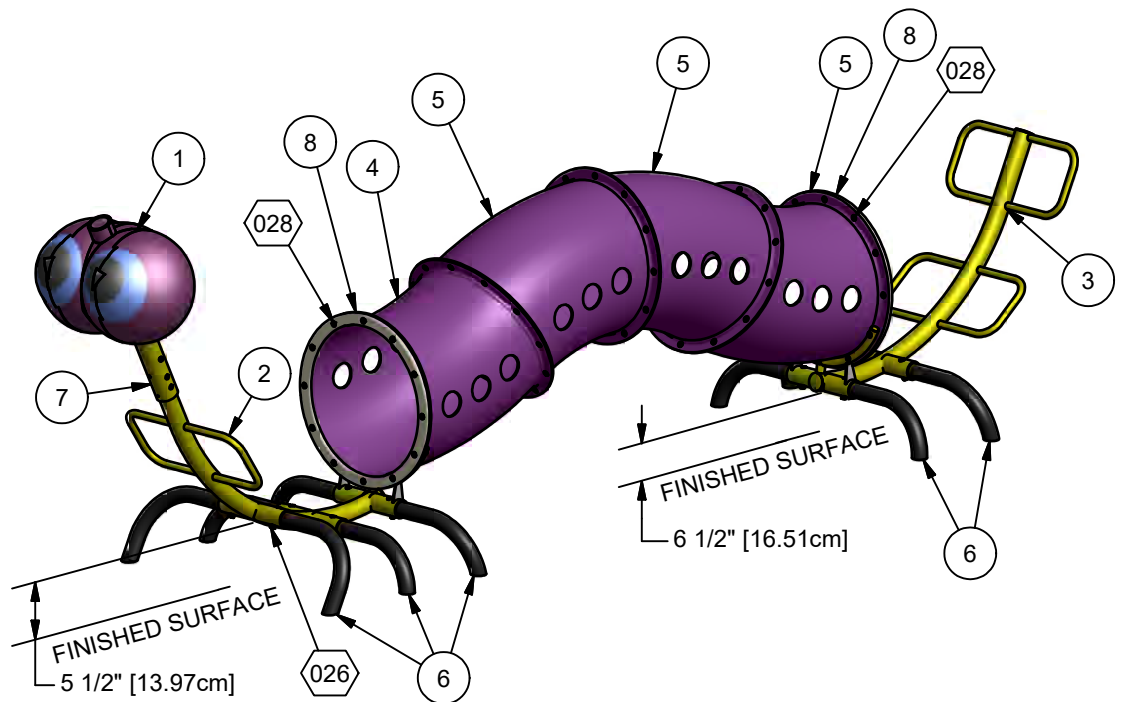


834



837

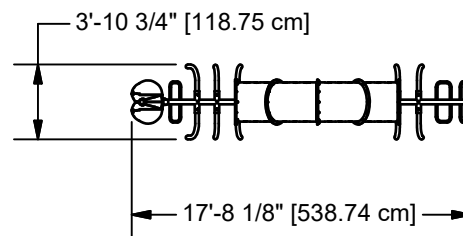
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



ASSEMBLY VIEW

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

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



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	HEAD ASS'Y	1	103304
2	HEAD BODY ASS'Y	1	201890
3	TAIL BODY ASS'Y	1	201898
4	30° CRAWL TUBE	1	152640
5	30° ELBOW SLIDE SECTION	3	152639
6	LEG	10	201917
7	HEAD UPRIGHT	1	201895
8	CATERPILLAR RING	2	201997
	HARDWARE COMPLETE	1	201900
	5/16" x 3/4" B.H.C.S.	50	811040*
	5/16" x 2" P.B.H.C.S. w/PATCH	10	811046*
	5/16" FLAT WASHER (5/8" O.D.)	24	817406*
	5/16" T-NUT	60	804555*
	5/16" LOCK WASHER	60	817330*
	5/16" FLATWASHER (1 1/8" O.D.)	36	817403*
	7/16" x 3" Hex Bolt	10	801111*
	7/16" Hex Nut	10	804054*
	7/16" Lockwasher	10	817338*
	3/8" LOCKWASHER	4	817334*
	3/8" T-NUT	4	804556*
	3/8" x 3/8" SET SCREW	2	811549*
	3/8" x 4" P.B.H.C.S. w/PATCH	2	812082*
	3/8" X 3 1/4" P.B.H.C.S. w/PATCH	2	812060*

*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.

SPECIFICATIONS

CATERPILLAR RING

Shall be made from 3/4" thick (solid) high density UV stabilized, color impregnated poethylene.

BODY AND TAIL SECTIONS

Body shall be fabricated of 2-7/8" O.D. x .139" (Sch. 40) wall, 1-5/16" O.D. x .083" (14 gauge) wall and , 1-1/16" O.D. x .072" (15 gauge) wall galvanized steel tubing. Each body section shall be an all welded construction and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

HEAD UPRIGHT ASSEMBLY

Head Upright shall be fabricated of 3 1/2" O.D. x .216" (Sch. 40) wall galvanized pipe and Pipe Cap. Head Upright assembly shall be an all welded construction and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

HEAD

Shall be fabricated of cast aluminum and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

LEGS

Shall be fabricated of 2-3/8" O.D. x .095" (13 gauge) wall galvanized steel tubing and shall be coated with a custom formula of TGIC polyester powder coating in conformance with the specifications outlined herein, after fabrication.

ROTATIONALLY MOLDED CRAWL TUBES

The 24" I.D. with 1/4" nominal wall thickness tube shall be rotationally molded linear low-density polyethylene conforming to the specifications outlined herein. Tube sections shall be molded so that all hardware connections are on the outside of the tube. The connection of multiple tube sections shall be an external overlap connection.

ROTATIONALLY MOLDED PRODUCTS

All polyethylene shall be linear low-density material with UV-stabilized color and an anti-static compound additive. All rotationally molded products shall meet or exceed the following specifications: ASTM D-1248, type 2, class A and Federal

specification LP-390C, type 1, class M, grade 2, category 3; Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790);Heat Distortion (ASTM-648); Low Temperature Impact (ARM-STD).

POWDER COAT FINISH

Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. In addition, all welds shall be protectively coated with ZRP, a zinc rich primer that forms a rust-resistant barrier layer over each weld prior to application of the powder coating. The powder coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68), Adhesion (Cross Hatch ASTM D-3359 & Knife Scratch ASTM D-2197), Environmental (Stain Resistance ASTM D-1308, Humidity ASTM D-2247 - 87, Salt Spray ASTM B-117 & Fadometer 300 hrs with no loss of gloss), Over-bake Stability 100% at 400 degrees Fahrenheit.

HARDWARE

All nuts, bolts, screws, inserts, and lockwashers used in the assembly of all play equipment shall be stainless steel, yellow dichromate plated steel, blue-coat plated steel, mechanically galvanized or powder coated/yellow dichromate plated steel. All primary fasteners shall be 304 alloy stainless steel. Fasteners with yellow dichromate treatment have an electro-deposited, 99.9% pure zinc substrate applied from a specially formulated solution sealed with a yellow dichromate top coat designed to work in conjunction with the zinc plating. Yellow dichromate has a 320% longer life to white corrosion and 275% longer to red corrosion than does hot-dip galvanizing. All primary stainless steel fasteners shall be Button Head Socket Caps.

SPECIFICATIONS

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

INSTALLTION INSTRUCTIONS

NOTE: THIS SPECIFICATION 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: It is important to check the hole location in the upright and on the drawings.

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

STEP 1: Dig holes according to Ground Plan.

STEP 2: Place legs in sockets of Head Body and Tail Body Assemblies using Detail 026.

STEP 3: Insert Head Upright into Head casting and secure top of casting using Detail 025. Note: Hex head bolts go inside oversized holes.

STEP 4: Fasten Head Upright to Head Body Assembly using Detail 025.

Note: Button head screw and lockwasher go inside oversized holes.

STEP 5: Assemble all Crawl Tube sections together using Detail 027.

STEP 6: Place Head and Tail Body Assemblies in ground holes. Attach Crawl Tube Assembly to Head Body Assembly using Detail 028. Attach Tail Body Assembly to Crawl Tube Assembly using Detail 028.

STEP 7: After assembly, check to make sure it is level. Pour concrete to within 1'-0" [30.48 cm] of Finished Surface. (See Footing Detail.) Allow 48 hours to cure.

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

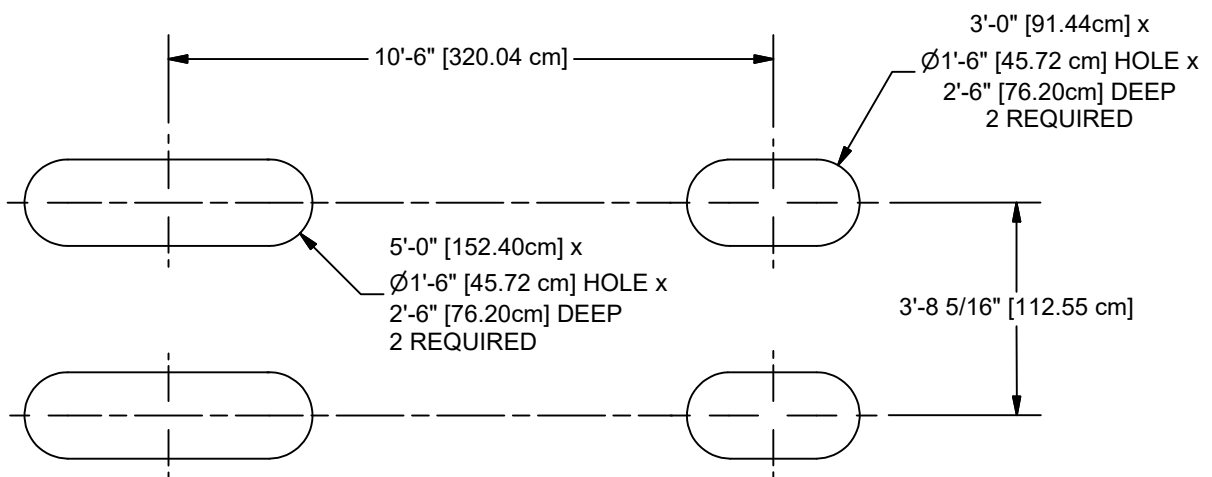
NOTE: Loctite (supplied by others) should be used on all hardware.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- 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.
- Check for loose spring castings and tighten.
- A soft, resilient surface should be placed under all equipment, extending at least six feet in all directions surrounding the equipment. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT.



NOTES:

CONCRETE REQUIREMENT: 1.33 CUBIC YARDS [1.02 CUBIC METERS]

GROUND PLAN

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

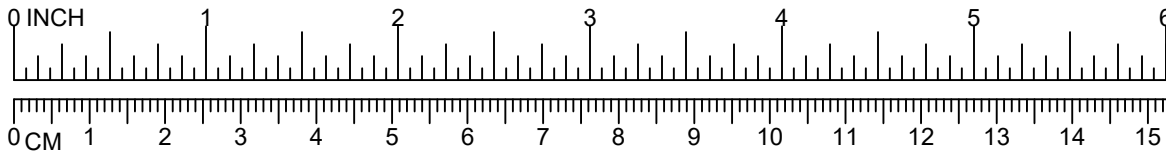
DETAILS -for- 38044

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.

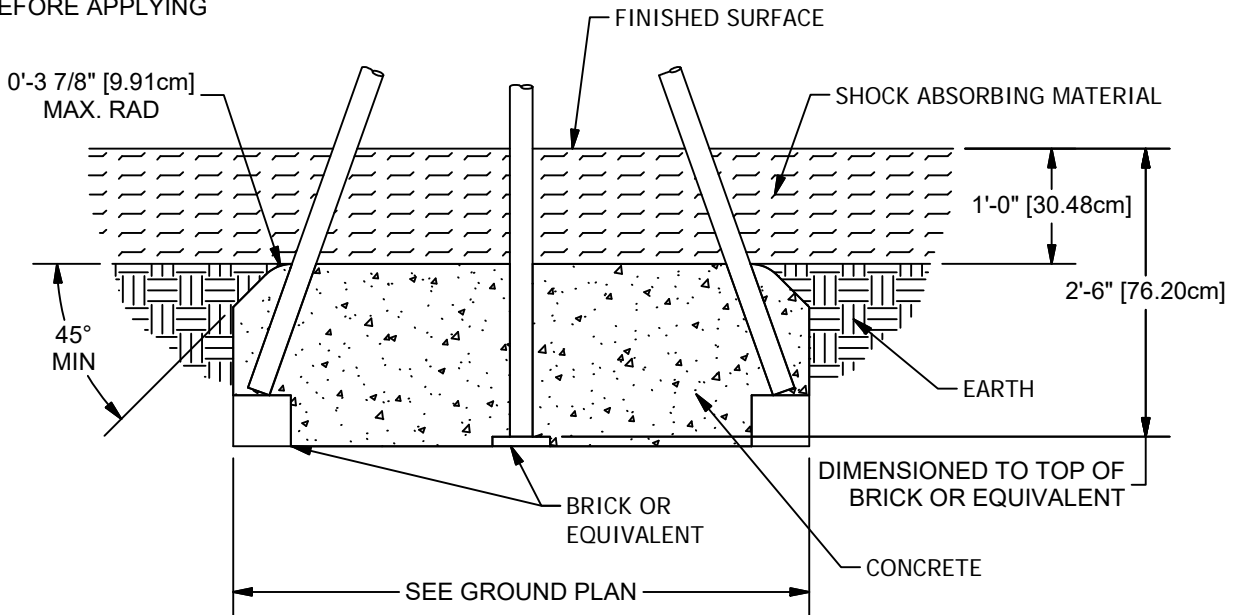
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

NOTE: SLOPED FOOTING IS A
REQUIREMENT OF EUROPEAN
STANDARD EN1176-1

NOTE: SUGGESTED MINIMUM
CONCRETE RATING: 3000 PSI



FRONT LEG FOOTING DETAIL
(REAR LEG SIMILAR)

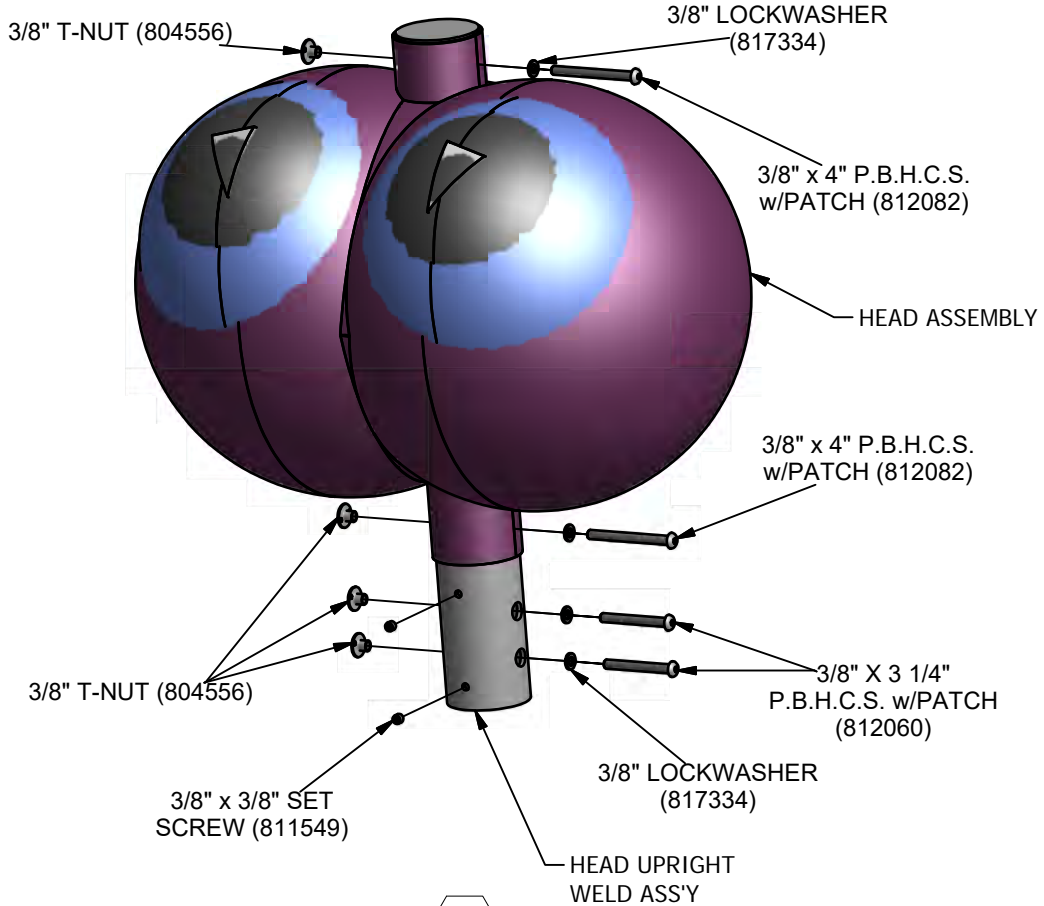
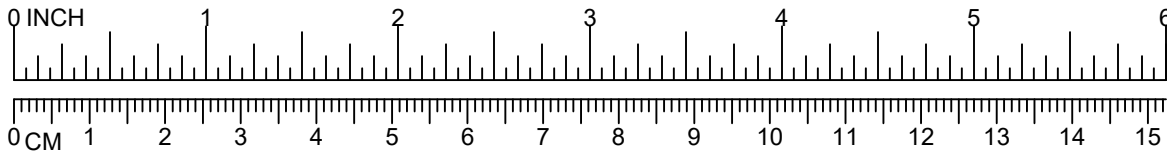
DETAILS -for- 38044

IMPORTANT

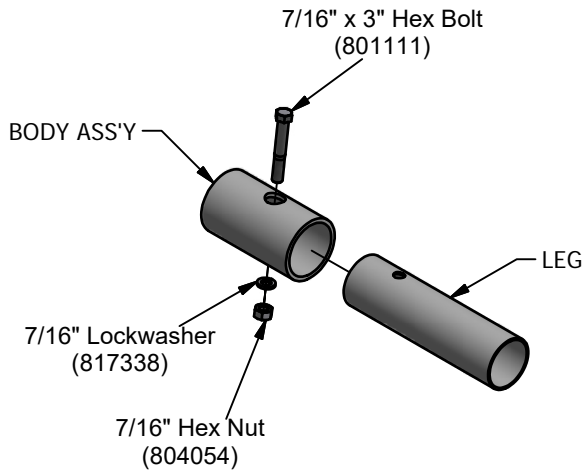
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

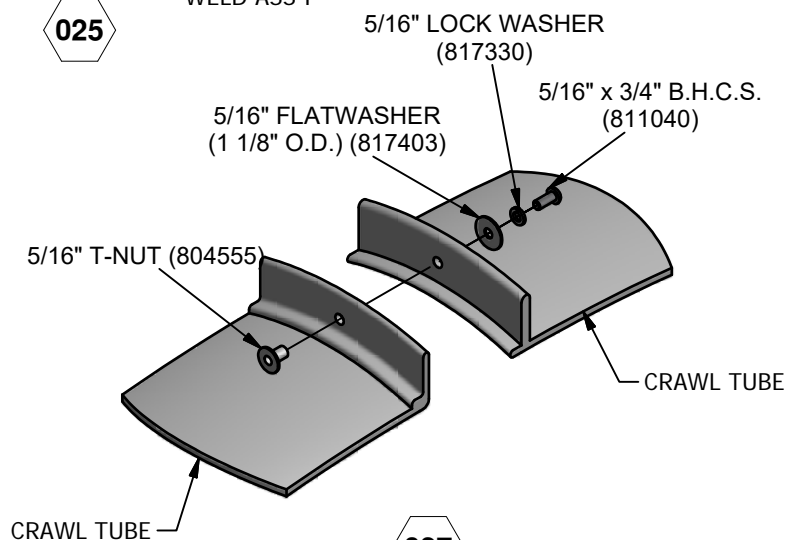
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



025



026



027

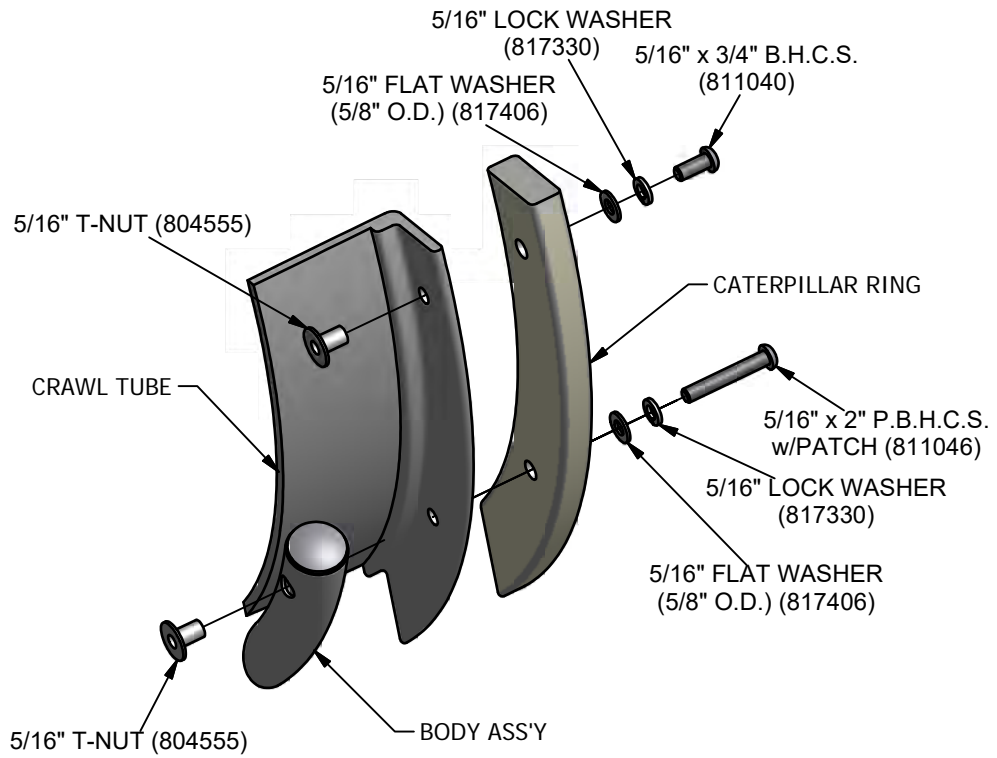
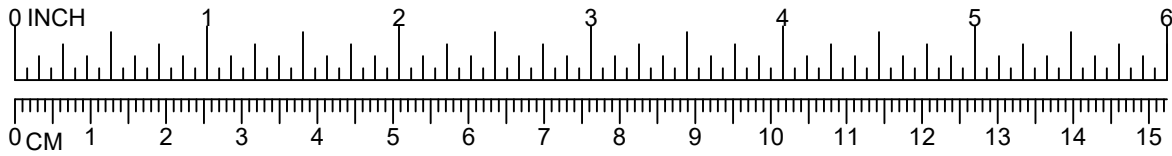
DETAILS -for- 38044

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.



028

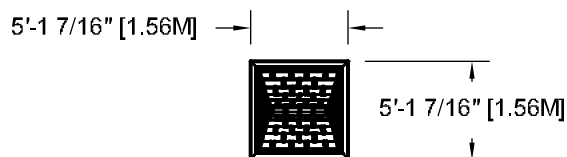
 = INSTALLATION
= DETAIL

 = PARTS LIST
= REFERENCE

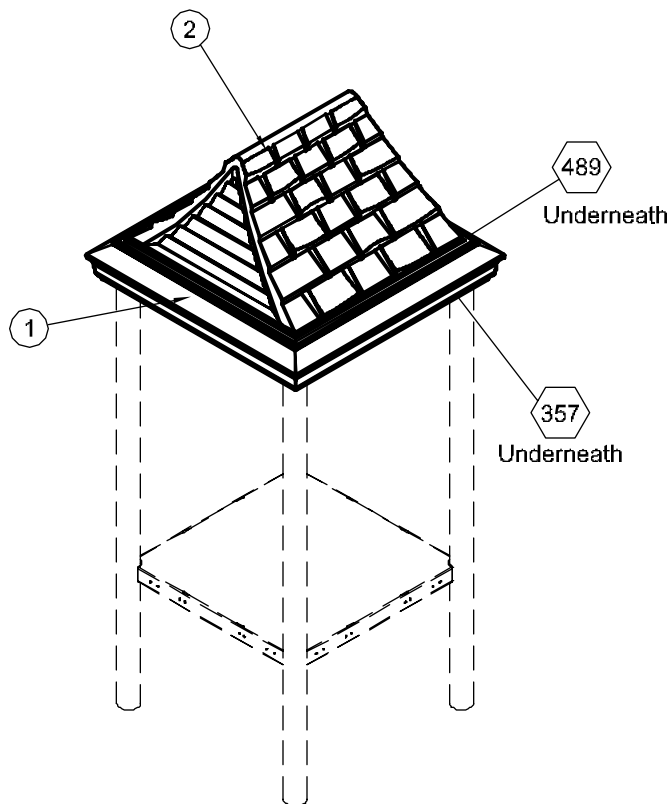
SHINGLE ROOF 80187
SLATE ROOF 80188

INSTALLATION INSTRUCTIONS

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



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQUIRED		PART NUMBER
		80187	80188	
1	Roof Base	1	1	168135
2	Shingle Roof	1	0	177716
2	Slate Roof	0	1	177722
	Hardware Complete	1	1	177956
	3/8" x 3 1/2" P.B.H.C.S. w/Patch	4	4	812075*
	3/8" x 5" Hex Head Bolt	4	4	801019*
	3/8" Lockwasher	8	8	817334*
	3/8" Flatwasher	4	4	817410*
	3/8" Flatwasher (1 1/4" O.D.)	4	4	817424*
	Molded Bolt Guard	4	4	156079*

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

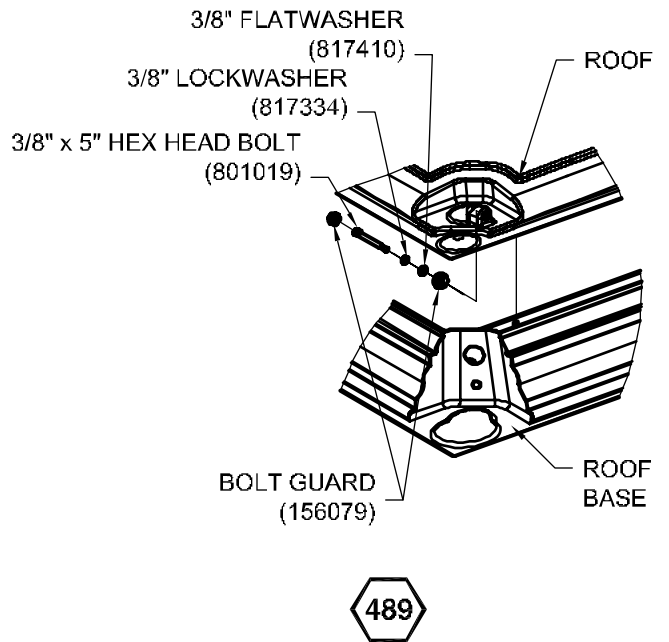
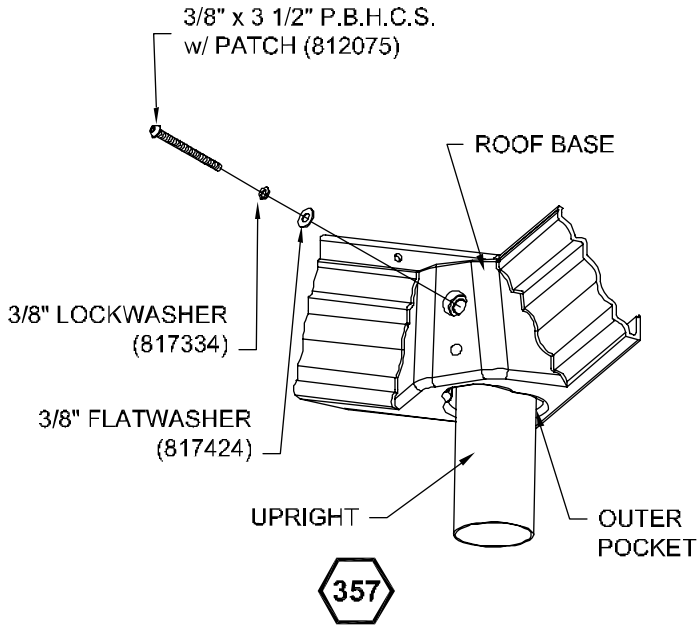
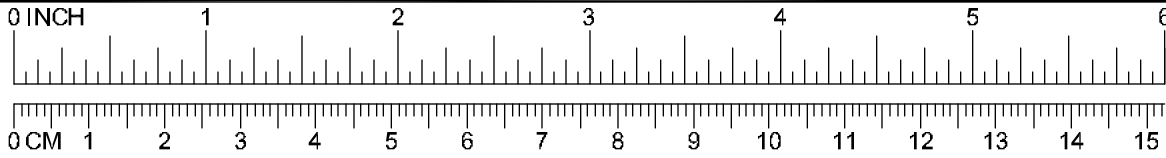
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80187 & 80188

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.



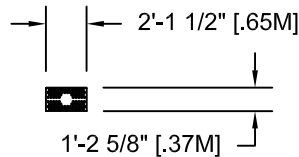
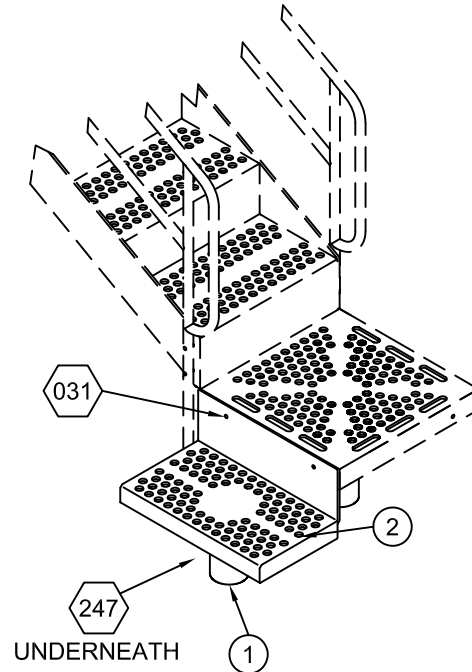
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

80656 ATTACHES TO 80653, 80655, 90029, 90031 & 90032
80657 ATTACHES TO 80654, 90030 & 90033

**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

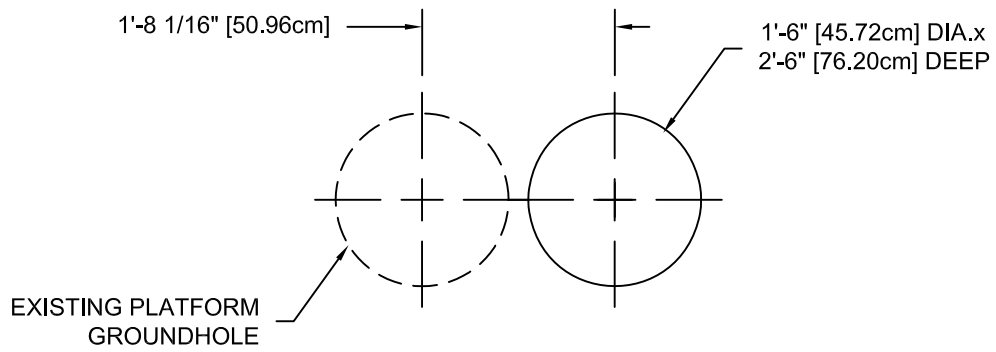
PARTS LIST

REF. NO.	DESCRIPTION	No. REQUIRED		PART NUMBER
		80656	80657	
1	Platform Support	1	0	160701
1	Platform Support	0	1	160704
2	Platform	1	1	160693
	<i>Hardware Complete</i>	1	1	166069
	3/8" x 3/4" P.B.H.C.S. w/Patch	5	5	812052*
	3/8" Lockwasher	5	5	817334*
	3/8" Flatwasher (1-1/4" O.D.)	2	2	817424*
	3/8" Tee -Nut (Spanner)	5	5	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: Loctite (supplied by others) should be used on all threaded hardware.



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

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

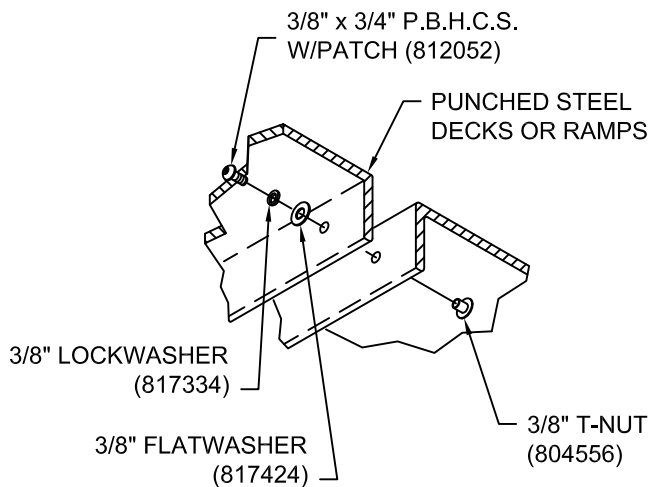
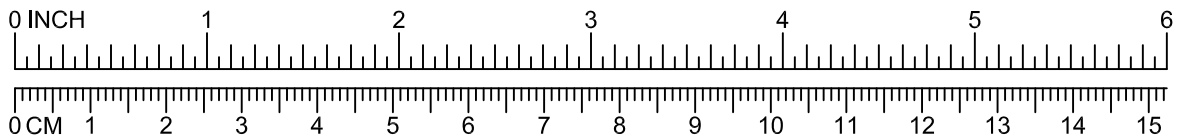
GROUND PLAN

DETAILS -for- 80656 & 80657

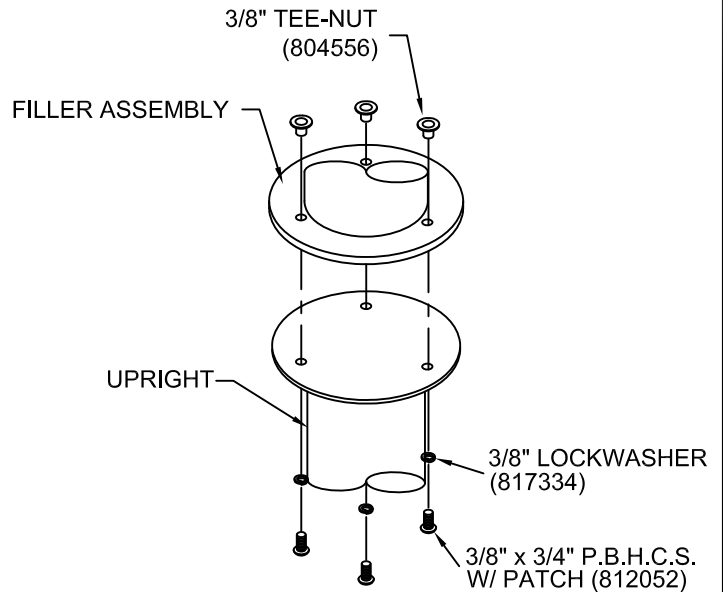
IMPORTANT

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.

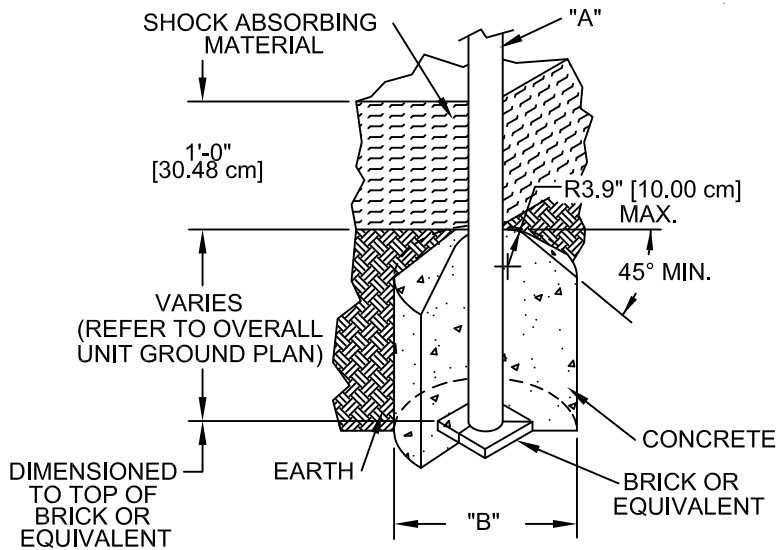
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



031



247



032

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

NOTES:

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

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

 = INSTALLATION
= DETAIL

 = PARTS LIST
REFERENCE

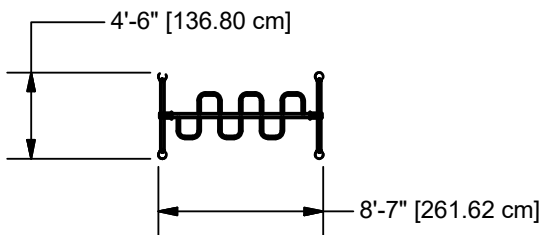
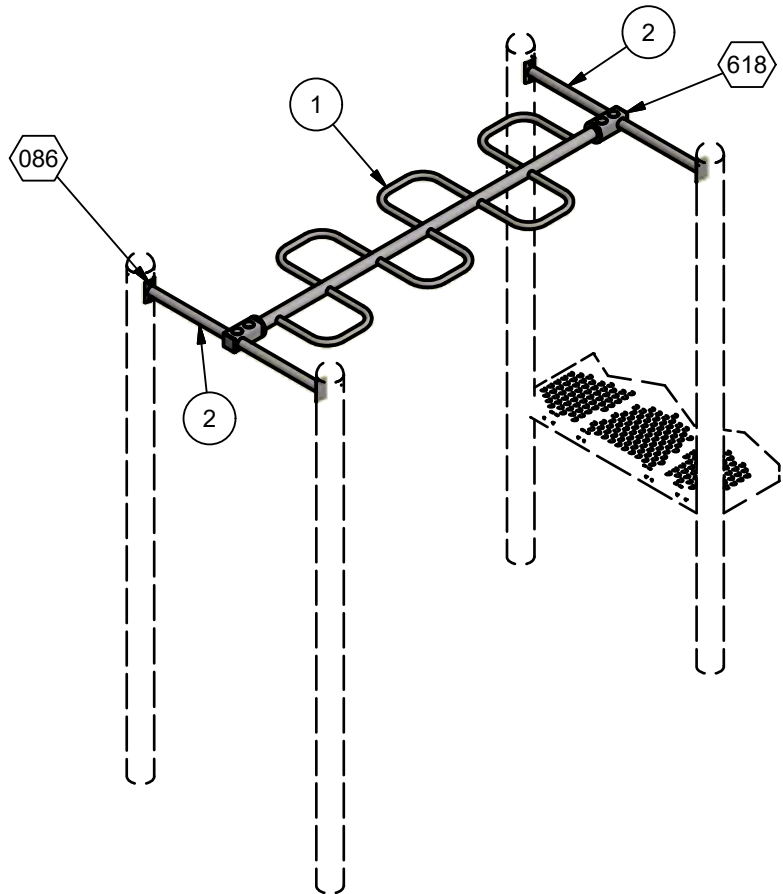
**INSTALLATION
INSTRUCTIONS**

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

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

NOTE: Before pouring concrete, tie or strap the (4) uprights together. Apply tension to the tie or straps so that the uprights are forced toward the center of the Swing 'N Sway.

2.) Apply the PowerBond to the PowerLock threads as shown in detail 068.



TOP VIEW

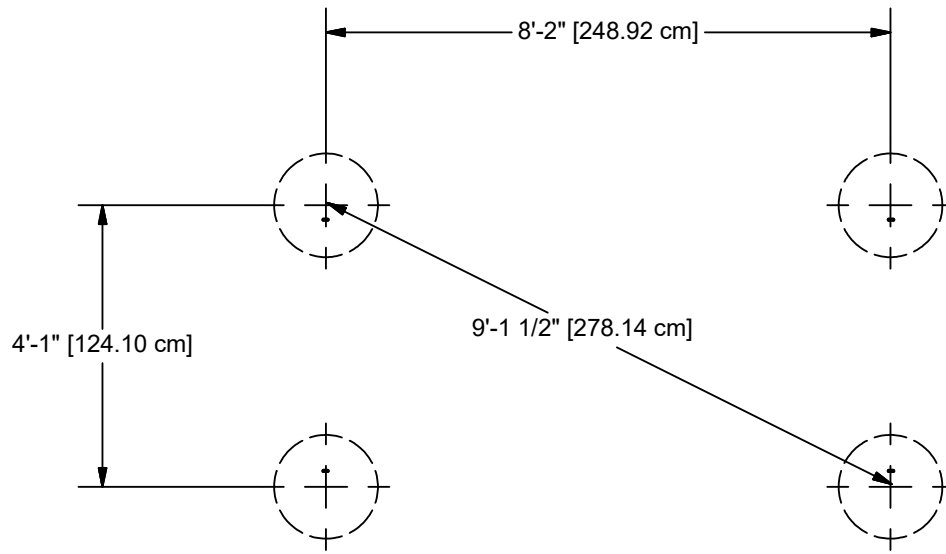
ASSEMBLY DRAWING

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL ASSEMBLY	1	200730
2	END BAR ASSEMBLY	2	200727
	*****HARDWARE COMPLETE*****	1	200733
	RUBBER ROD	8	302908
	3/8" LOCK WASHER	8	817334
	3/8" x 1" P.B.H.C.S. w/PATCH	8	812050
	3/8" FLAT WASHER	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: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



GROUND PLAN

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

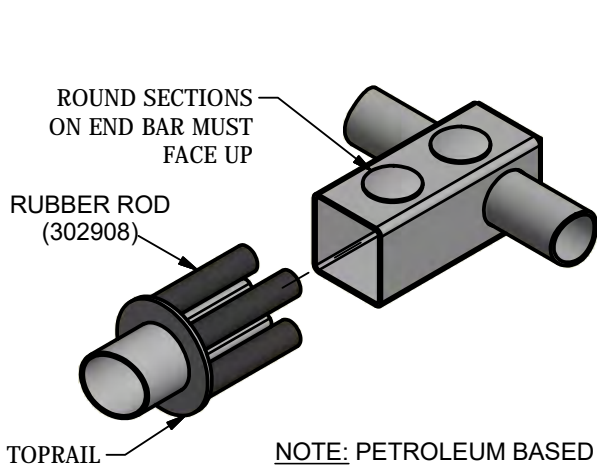
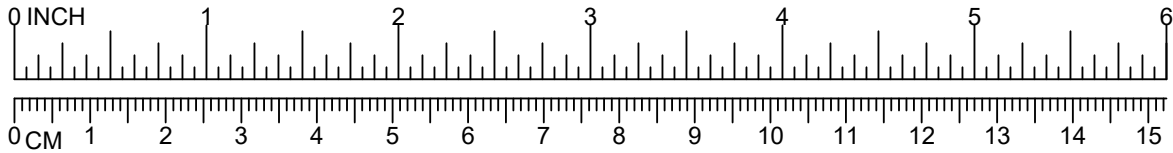
DETAILS -for- 81540

IMPORTANT

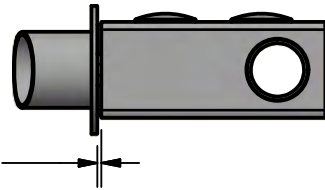
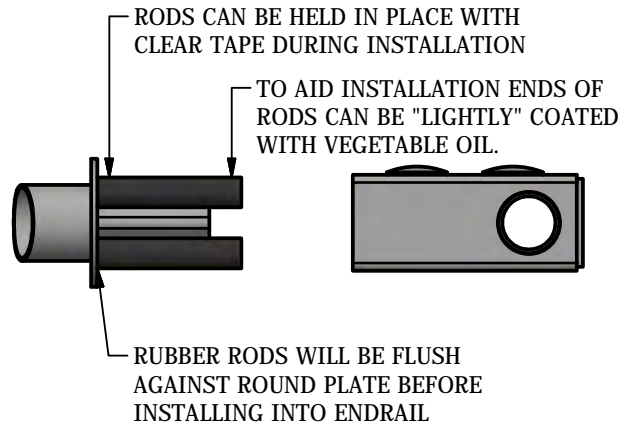
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.

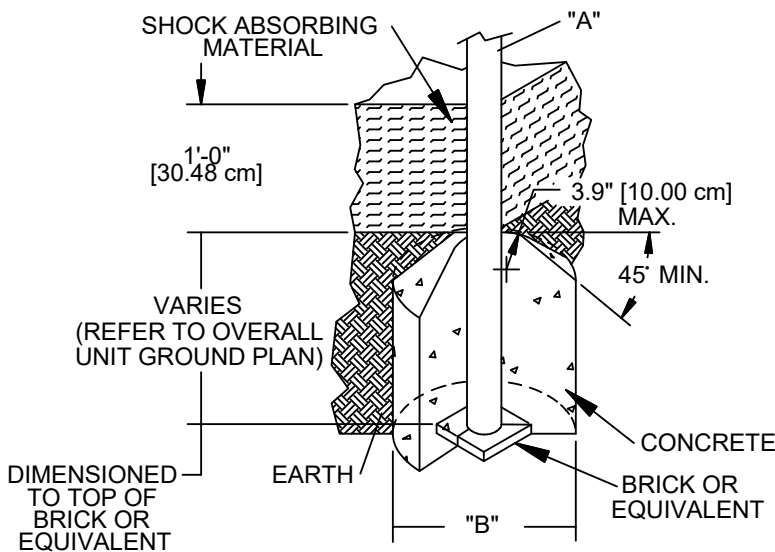


NOTE: PETROLEUM BASED PRODUCTS (SUCH AS WD40) SHOULD NOT BE USED ON RUBBER RODS.



APPROXIMATELY 0'- 1/8" [.32 cm] GAP AFTER INSTALLATION

618



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

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

032

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

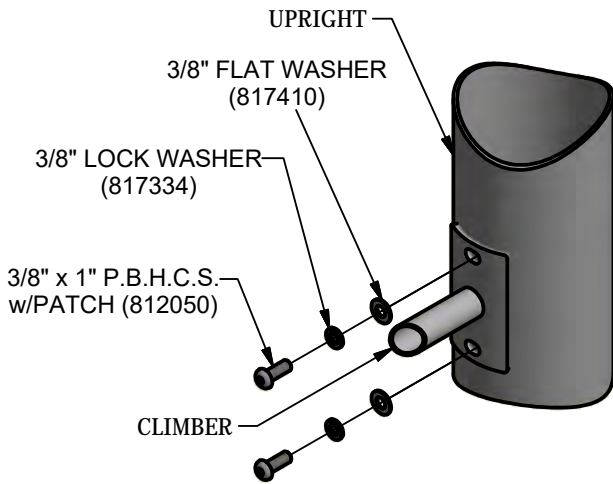
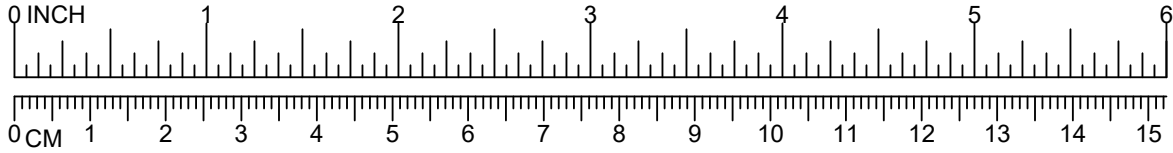
DETAILS -for- 81540

IMPORTANT



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

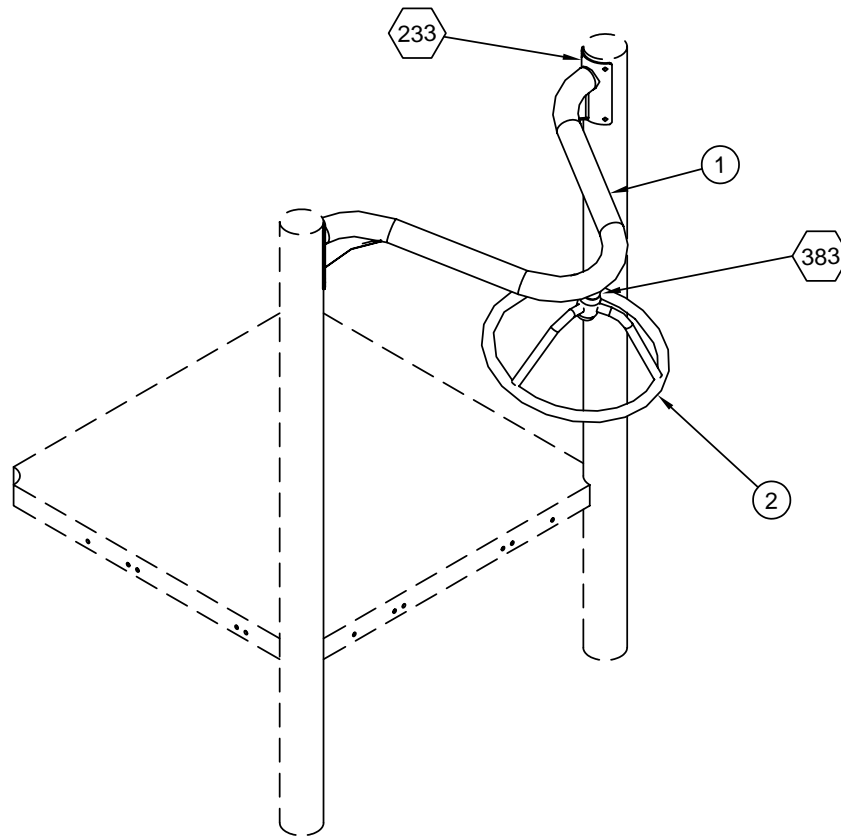
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



086

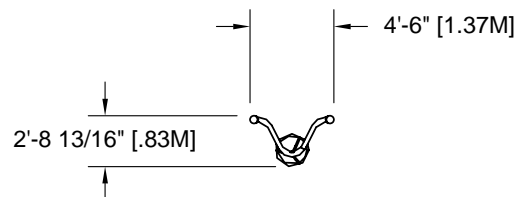
-  = INSTALLATION
-  = PARTS LIST REFERENCE



ASSEMBLY DRAWING

**INSTALLATION
 INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Attach skywheels to the top rail using 3/4" x 2 3/4" hex socket cap screw and bushing. Cap screws should be torqued from 40-50 ft/lbs. for proper installation. Install 3/8" set screws (2 per skywheel) to lock cap screw in place. See detail 121. *NOTE:* Attach skywheels to top rail while top rail is on the ground.
4. Connect assembled skywheel top rail to the uprights using 3/8" B.H.C.S. and 3/8" lockwashers. See Detail 233.
5. Loctite (supplied by others) should be used on all threaded hardware.



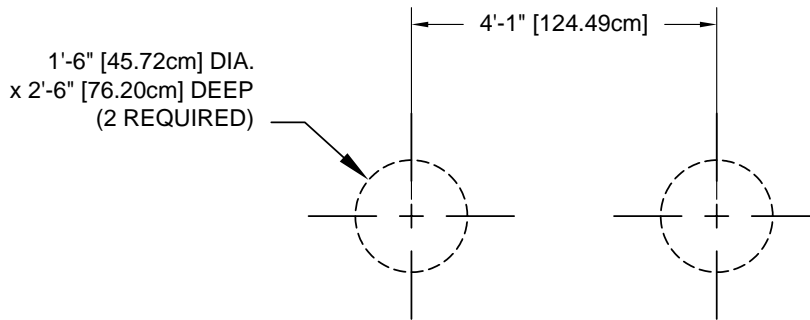
TOP VIEWS

PARTS LIST

REF NO.	DESCRIPTION	REQ'D.	PART
		81587	NUMBER
1	Mounting Pipe	1	168507
2	Skywheel Assembly	1	169447
	Hardware Complete	1	169469
	Spring Pin	1	169451*
	Bearing	1	169231*
	Shaft Collar	1	169446*
	3/8" x 1 1/4" B.H.C.S. w/ Patch	8	812051*
	3/8" Lockwasher	8	817334*
	3/8" Flatwasher	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.



GROUND PLAN

CONCRETE REQUIRED
.32 CUBIC YARDS
[.24 CUBIC METERS]
FOR IN-GROUND SYSTEMS

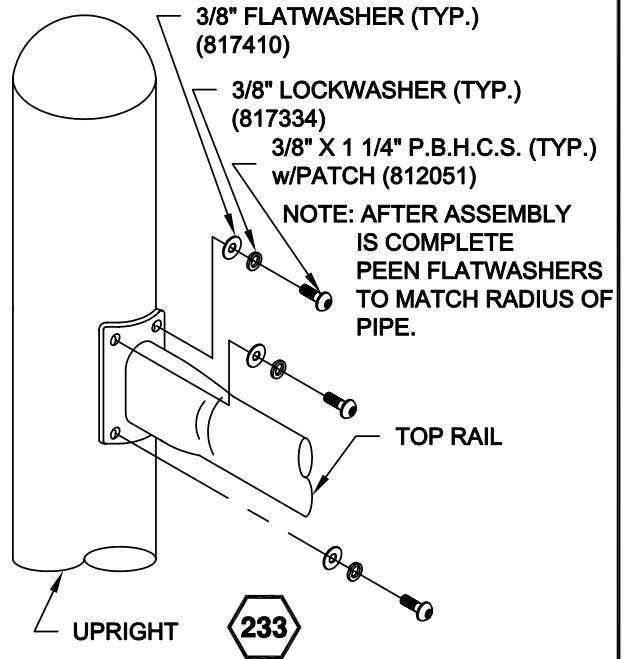
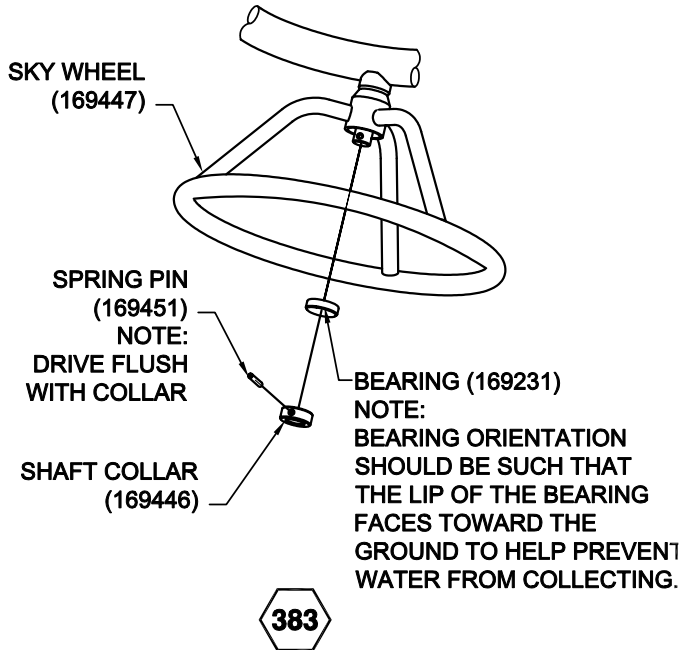
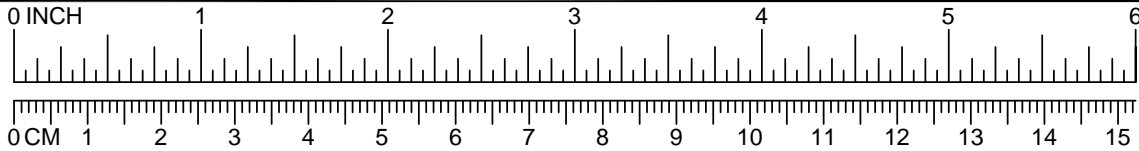
NOTE:
HOLE DEPTH INDICATED ON ALL
GROUND PLANS ARE MEASURED FROM
THE FINISHED SURFACE. SEE DETAIL
005. ALL FOOTING DIMENSIONS ARE
BASED ON LEVEL FINISHED SURFACE.



DETAILS -for- 81587

IMPORTANT

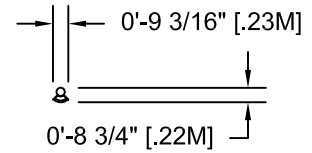
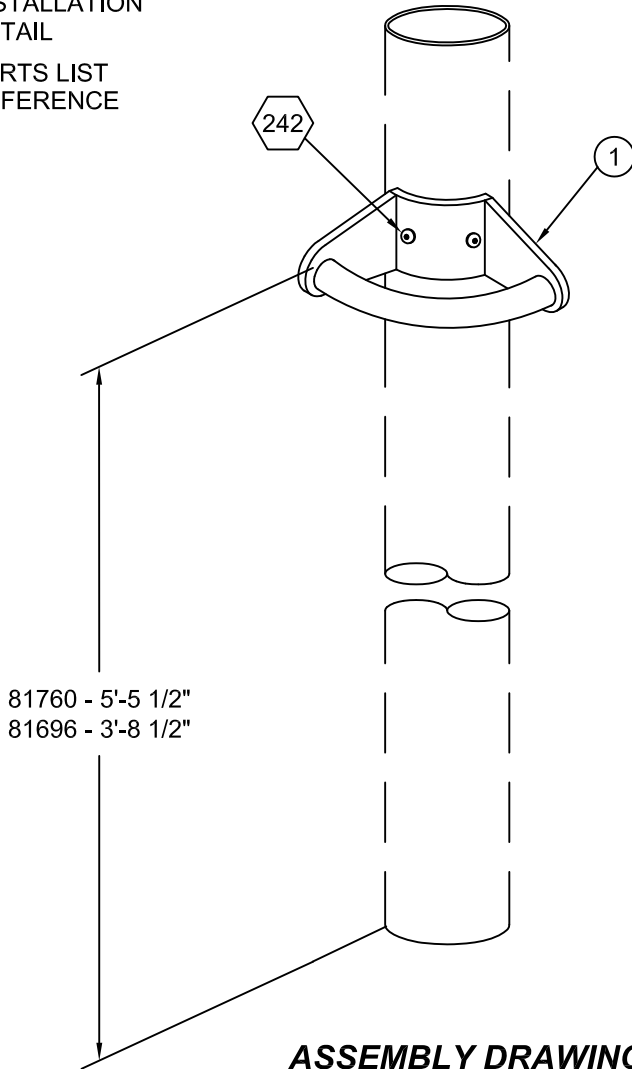
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



 = INSTALLATION
 = DETAIL
 = PARTS LIST
 = REFERENCE

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



TOP VIEW

PARTS LIST

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

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

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

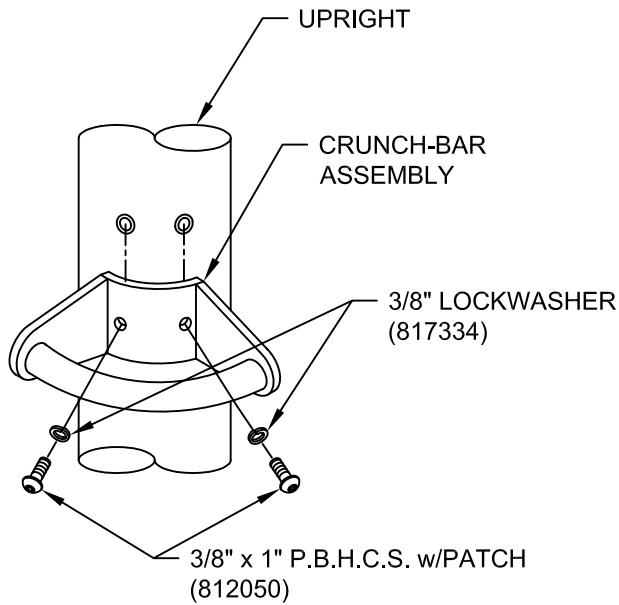
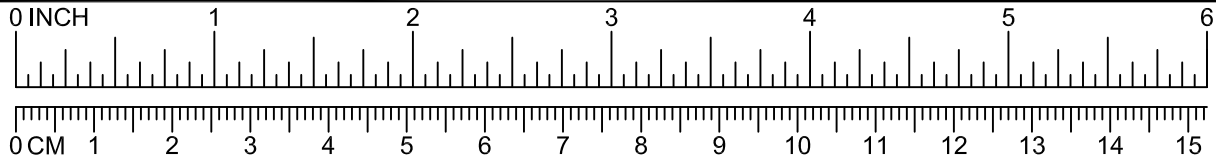
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81670 & 81696

IMPORTANT

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

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



242

ISSUED/REVISED: 8/1/18

⬡ = INSTALLATION
 DETAIL
 ○ = PARTS LIST
 REFERENCE

5" O.D. x 8' TOPRAIL

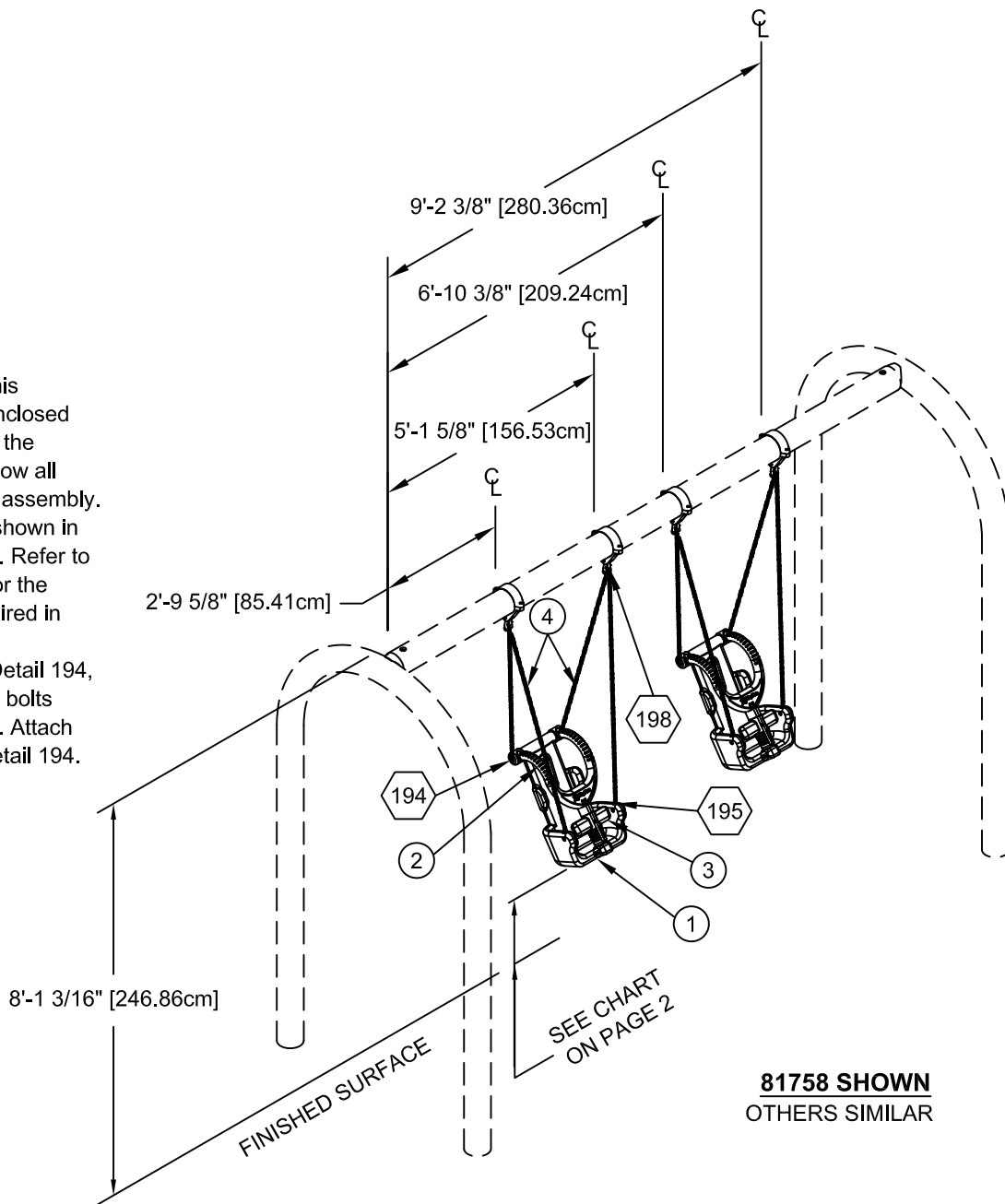
GALV. CHAIN
 81758

STAINLESS STEEL CHAIN
 SS1758



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.



81758 SHOWN
 OTHERS SIMILAR

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
		81758	SS1758	
1	Zero G Chair Assembly	1	1	179300
2	Seat Brace (Beige)	1	1	214732**
3	Seat Latch (Beige)	1	1	179136**
	Hardware Complete	1	0	178878
	Hardware Complete	0	1	178879
4	Galv. Chain, 100 5/8" Lg.	2	0	178866
4	S.S. Chain, 100 5/8" Lg.	0	2	178867
	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.)	2	2	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.

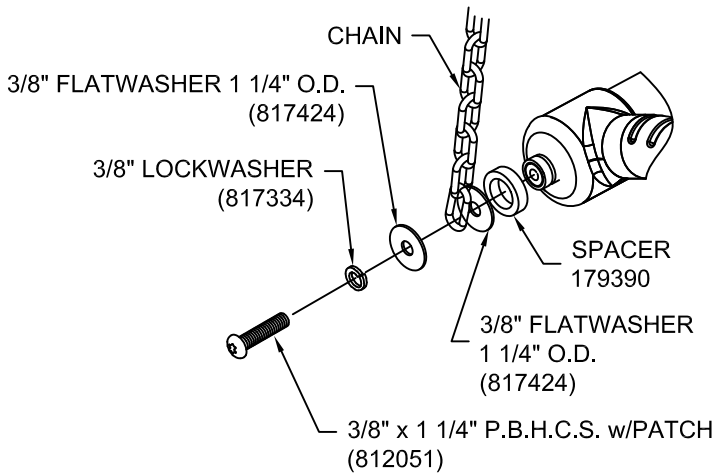
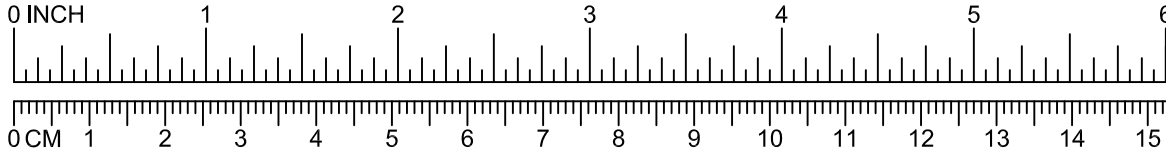
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81758

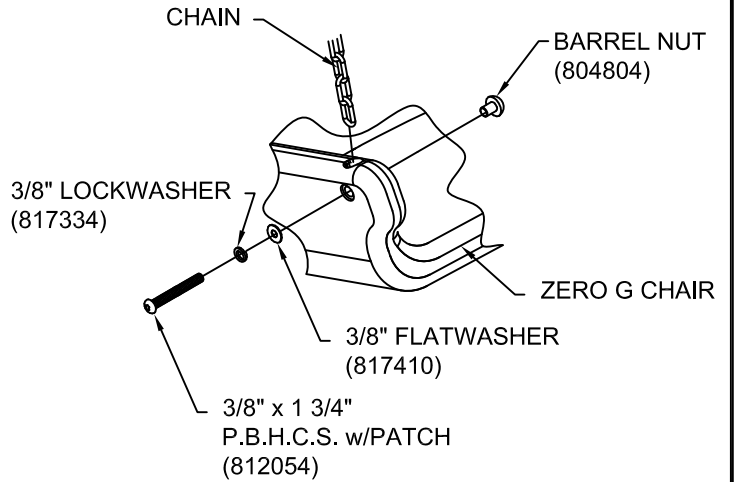
IMPORTANT

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.

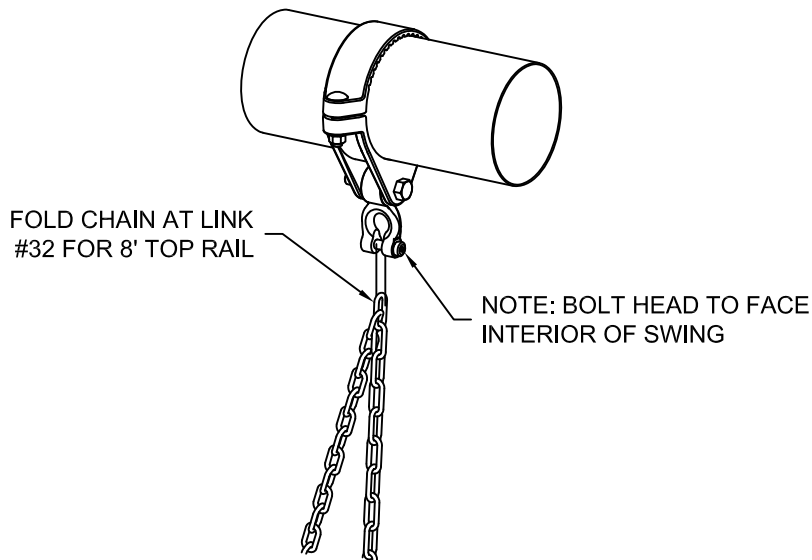
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



194



195



198





A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 03/01/13

TRANSFER SYSTEM WITH BARRIER

-  = INSTALLATION
-  = PARTS LIST REFERENCE

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



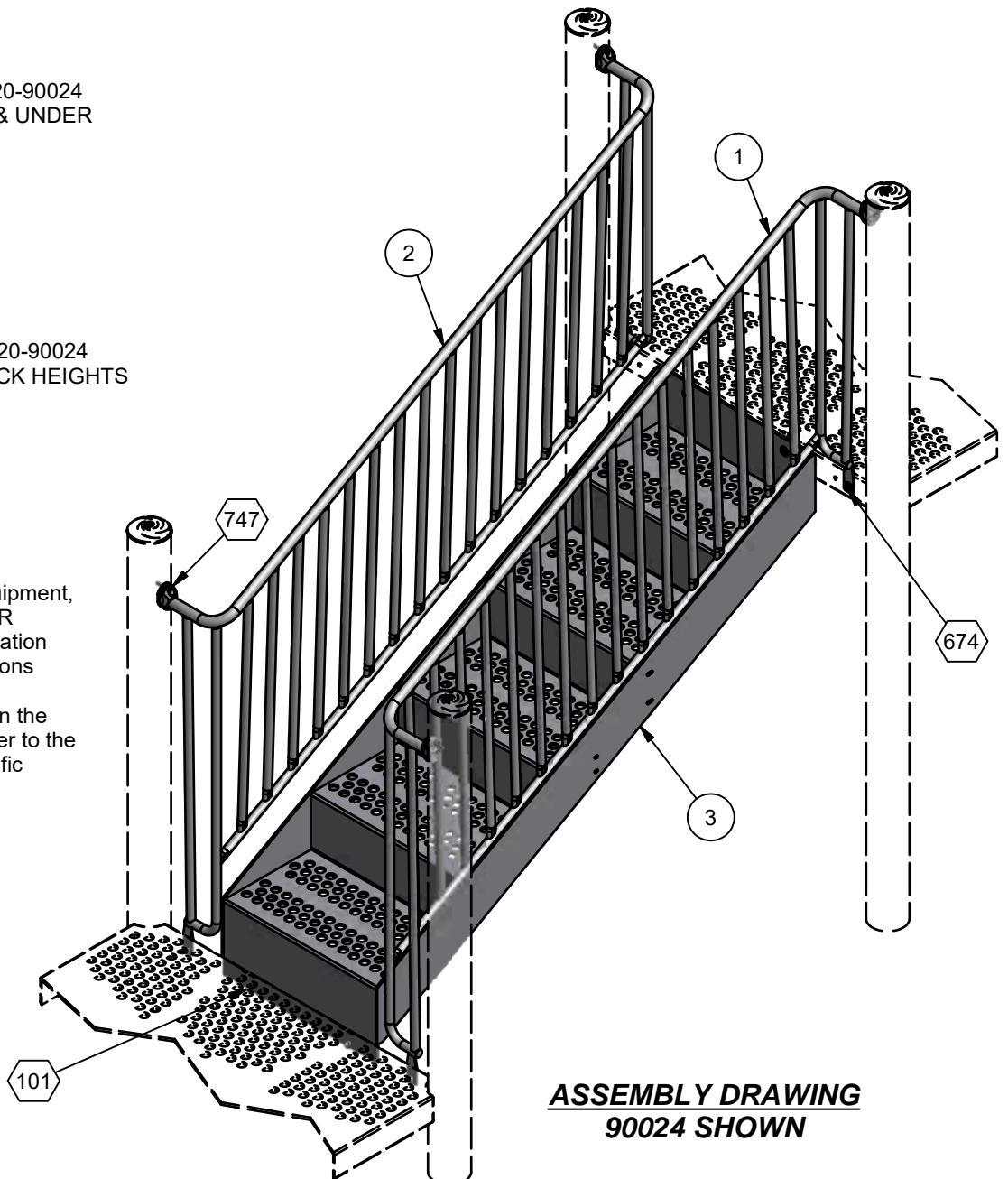
90020-90024
5'-0" & UNDER



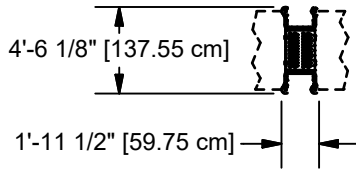
90020-90024
ALL DECK HEIGHTS

INSTALLATION INSTRUCTIONS

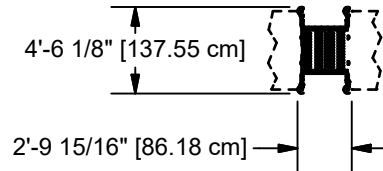
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



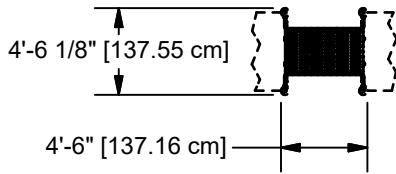
ASSEMBLY DRAWING
90024 SHOWN



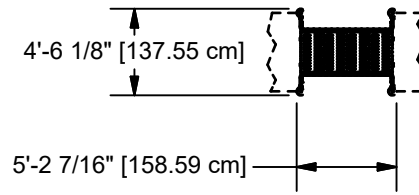
90020



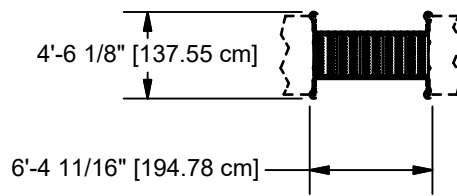
90021



90022

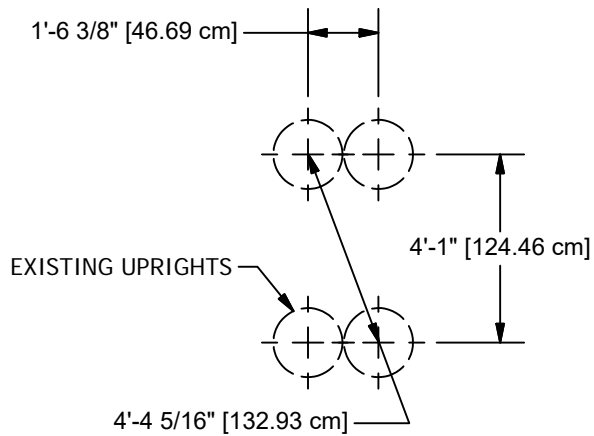


90023

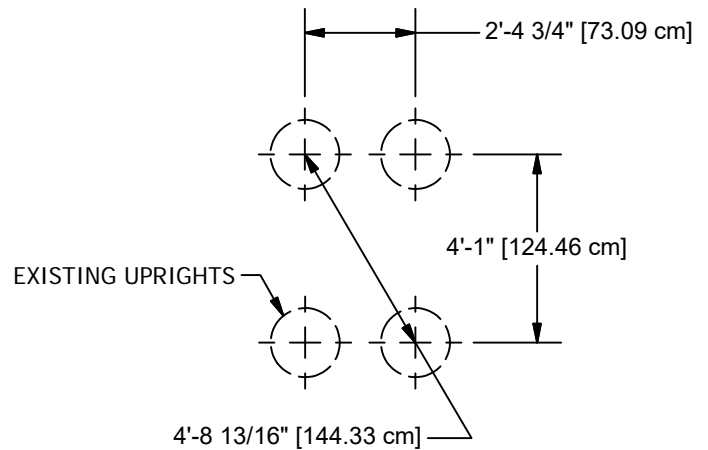


90024

TOP VIEWS

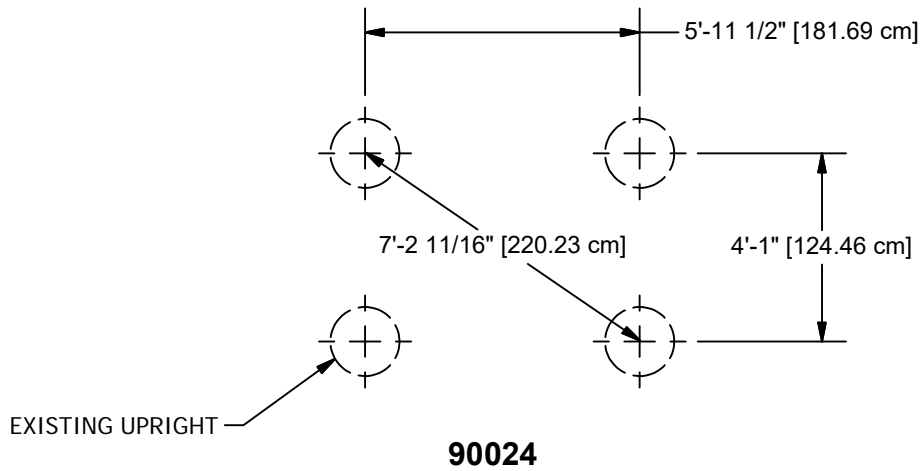
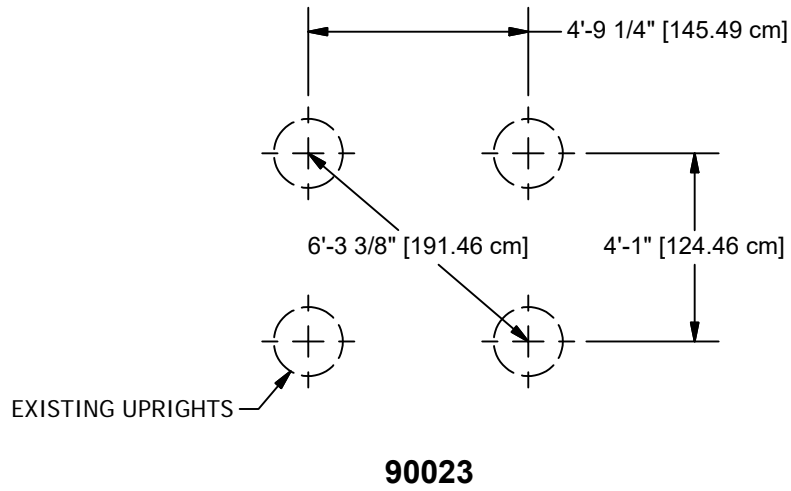
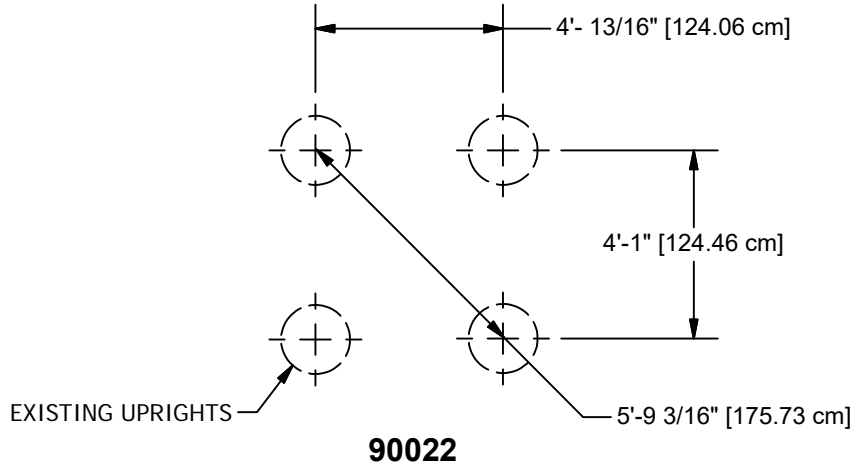


90020



90021

GROUND PLANS



GROUND PLANS

Parts List							
REF.	DESCRIPTION	90020	90021	90022	90023	90024	PART NUMBER
1	RIGHT BARRIER WELD ASSEMBLY	1	0	0	0	0	203370
1	RIGHT BARRIER WELD ASSEMBLY	0	1	0	0	0	203384
1	RIGHT BARRIER WELD ASSEMBLY	0	0	1	0	0	203397
1	RIGHT BARRIER WELD ASSEMBLY	0	0	0	1	0	203417
1	RIGHT BARRIER WELD ASSEMBLY	0	0	0	0	1	203431
2	LEFT BARRIER WELD ASSEMBLY	1	0	0	0	0	203379
2	LEFT BARRIER WELD ASSEMBLY	0	1	0	0	0	203392
2	LEFT BARRIER WELD ASSEMBLY	0	0	1	0	0	203411
2	LEFT BARRIER WELD ASSEMBLY	0	0	0	1	0	203425
2	LEFT BARRIER WELD ASSEMBLY	0	0	0	0	1	203435
3	1' COATED STEPLINK	1	0	0	0	0	161235
3	2' STEP ASSEMBLY	0	1	0	0	0	160670
3	2'-6' STEP ASSEMBLY	0	0	1	0	0	167494
3	3' STEP ASSEMBLY	0	0	0	1	0	161371
3	4' STEP ASSEMBLY	0	0	0	0	1	160667
	TRU-LOC	4	4	4	4	4	A03650
	HARDWARE COMPLETE	1	1	1	1	1	203545
	3/8" x 3/4" P.B.H.C.S. w/PATCH	8	8	8	8	8	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	4	4	4	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	8	8	8	8	817424*
	3/8" LOCKWASHER	12	12	12	12	12	817334*
	3/8" T-NUT	8	8	8	8	8	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.

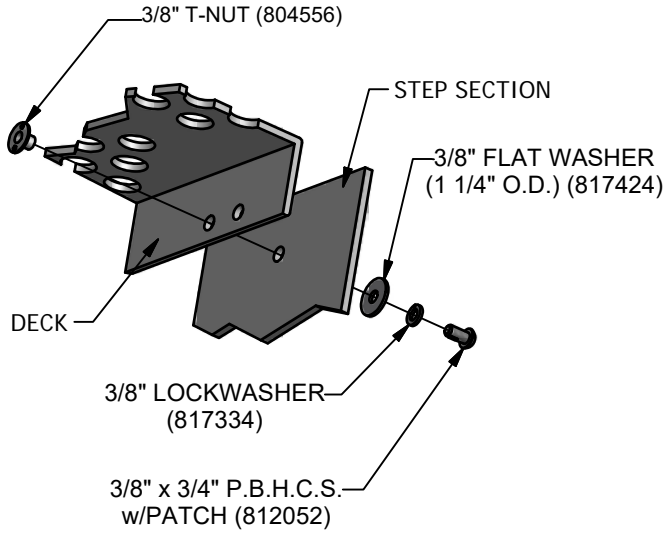
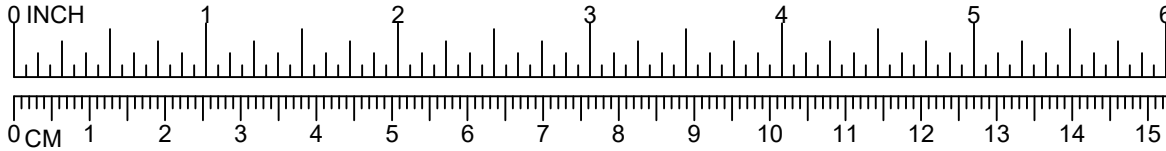
DETAILS -for- 90020, 90021, 90022, 90023, 90024

IMPORTANT

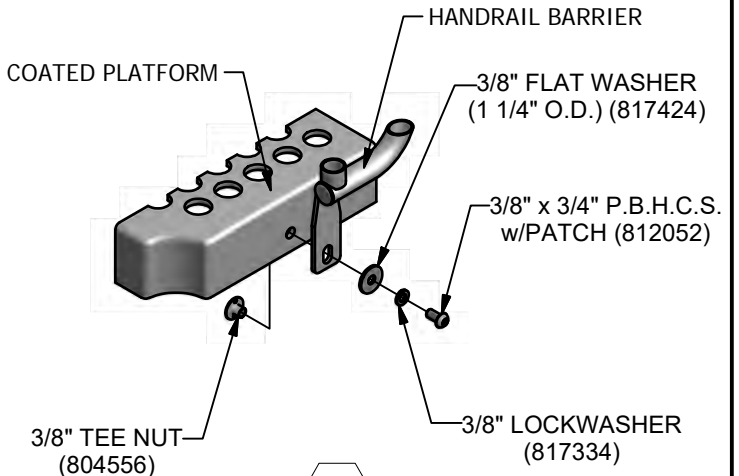
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

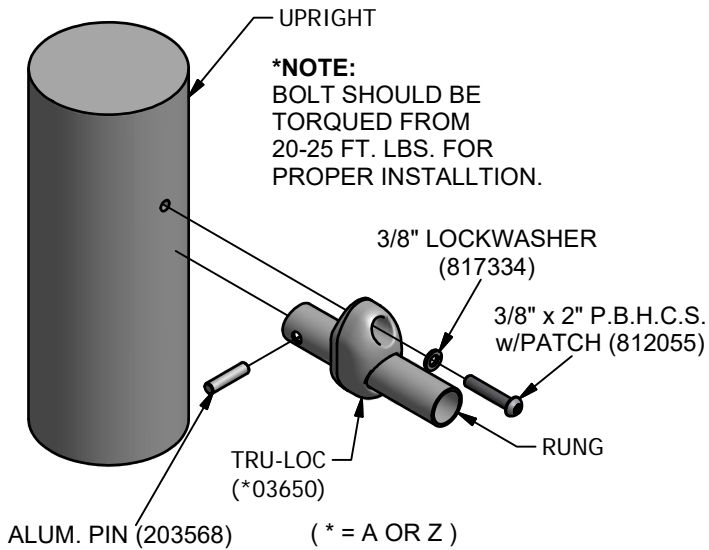
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



101



674



747

PowerScape

90032

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 3/17/2021

TRANSFER PLATFORM WITH GUARDRAIL



90032

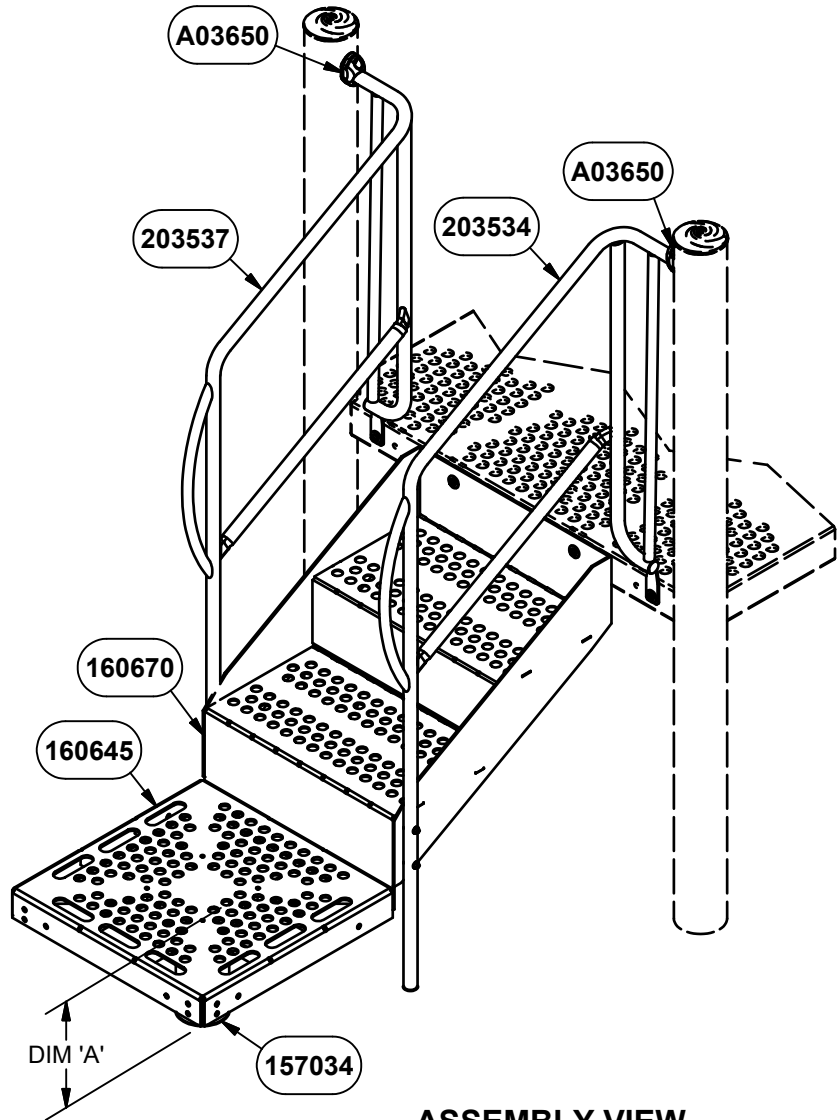


90033

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

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
90032

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

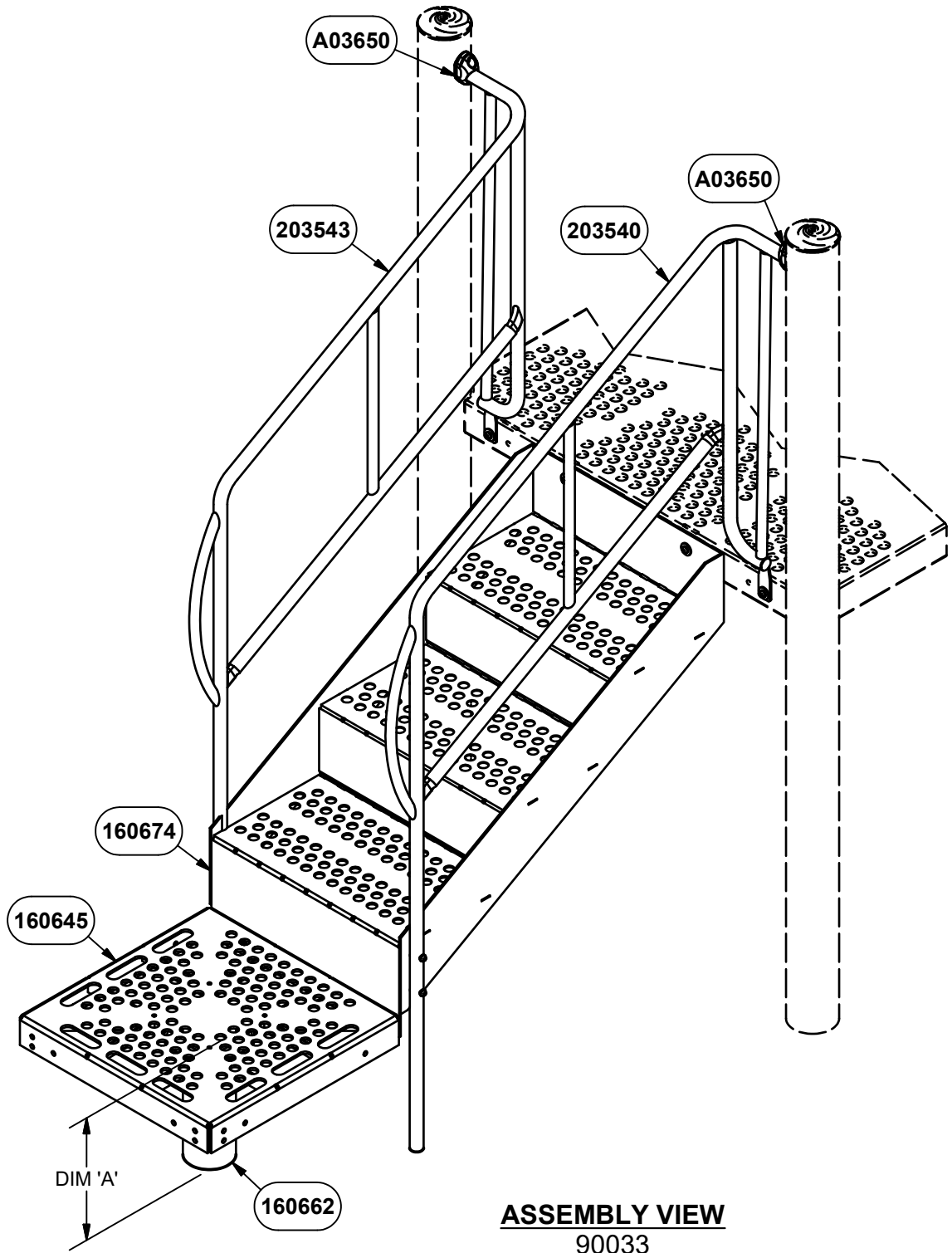
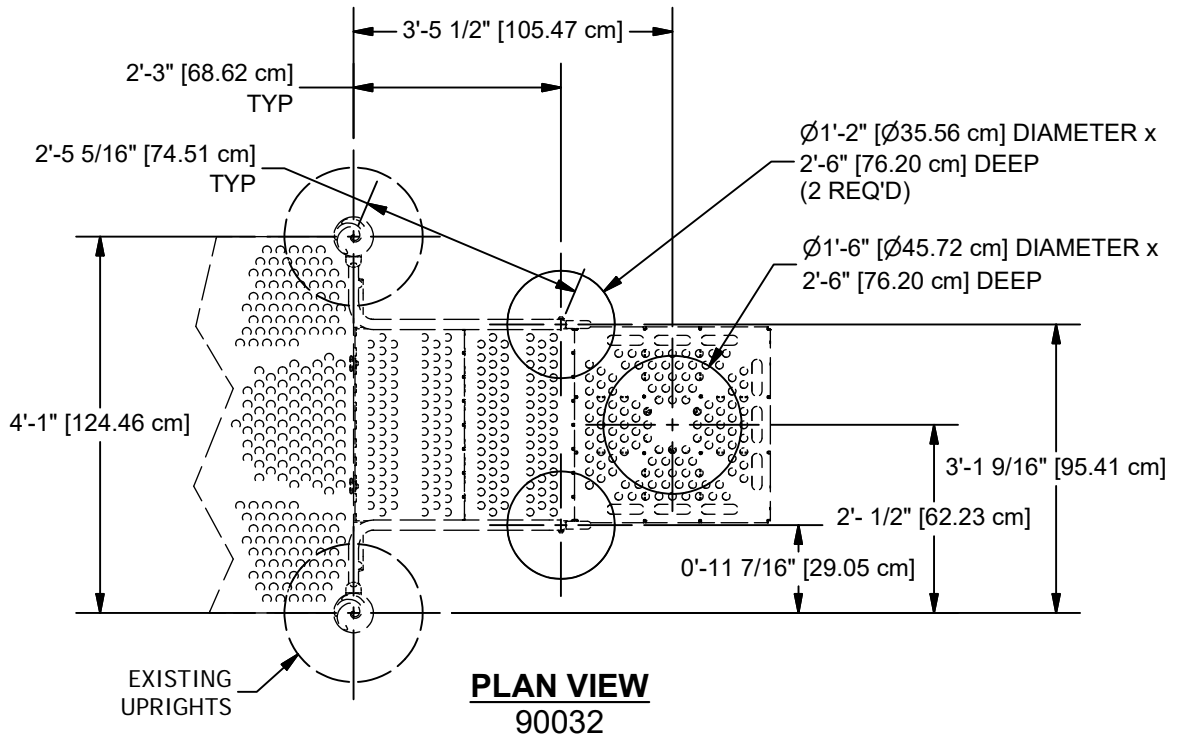
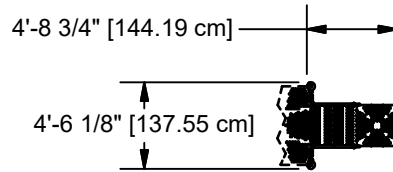


TABLE	
COMPONENT	DIM 'A'
90032	1'-0" [30.48 cm]
90033	1'-4" [40.64 cm]

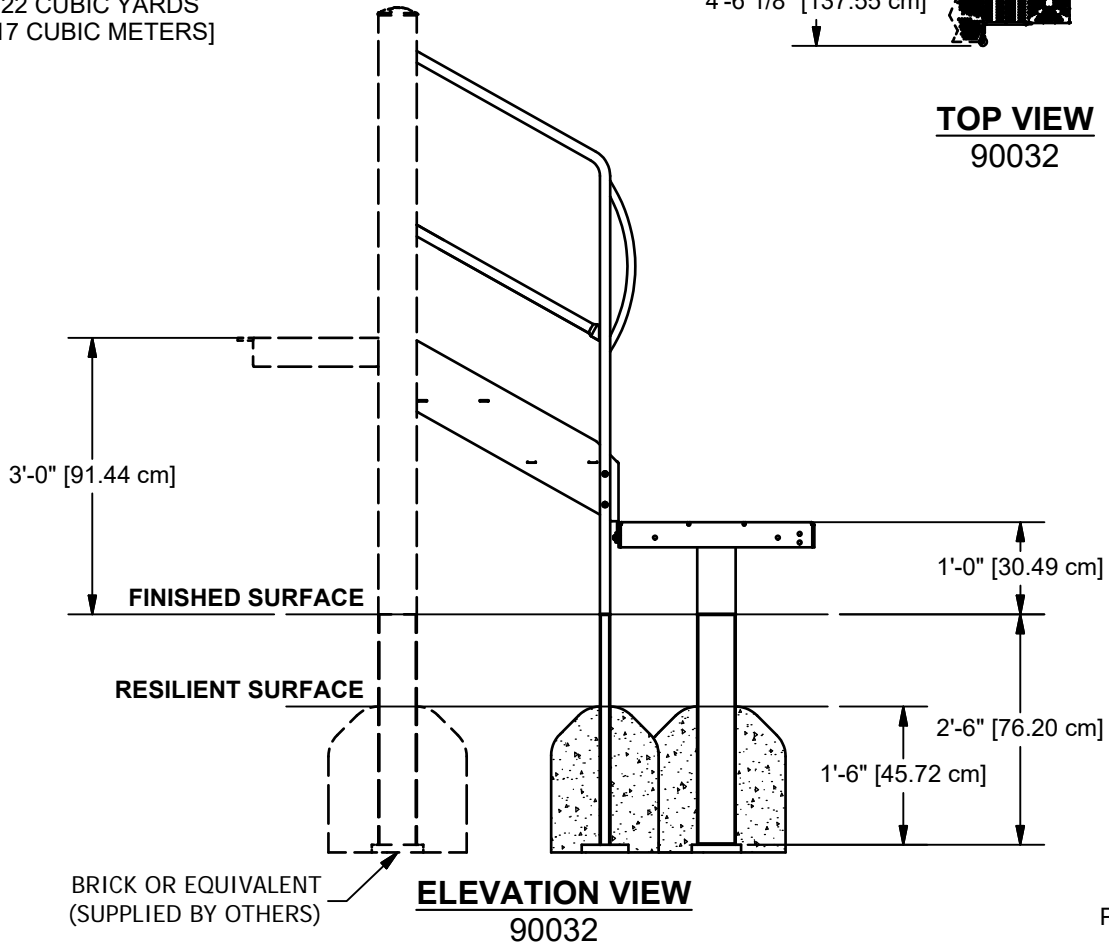


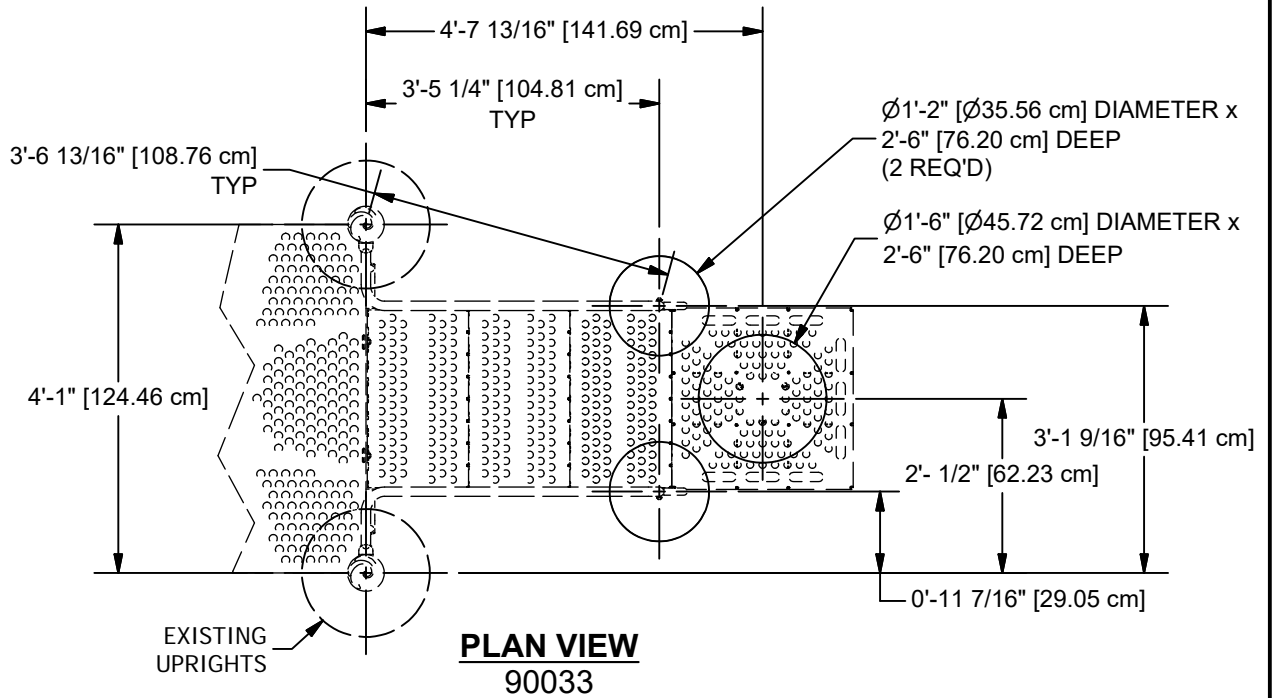
NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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



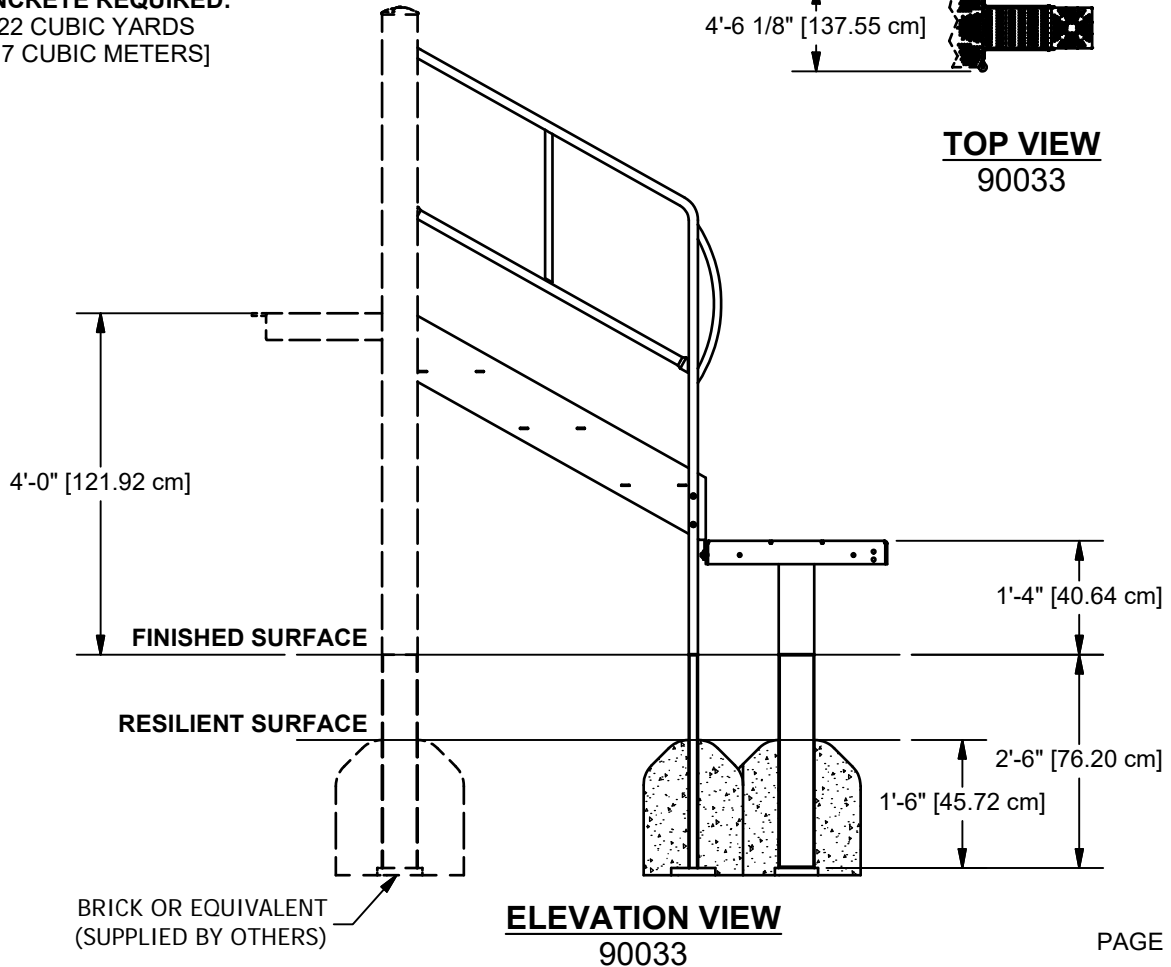
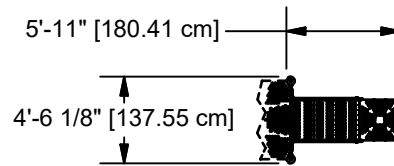
TOP VIEW
 90032

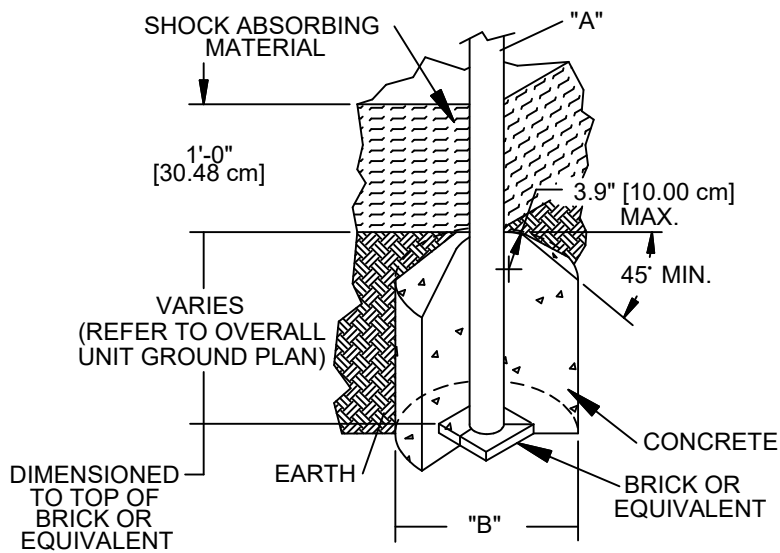




NOTE: HOLE DEPTHS INDICATED ON ALL PLAN VIEWS ARE MEASURED FROM THE FINISHED SURFACE. SEE ELEVATION VIEW. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

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





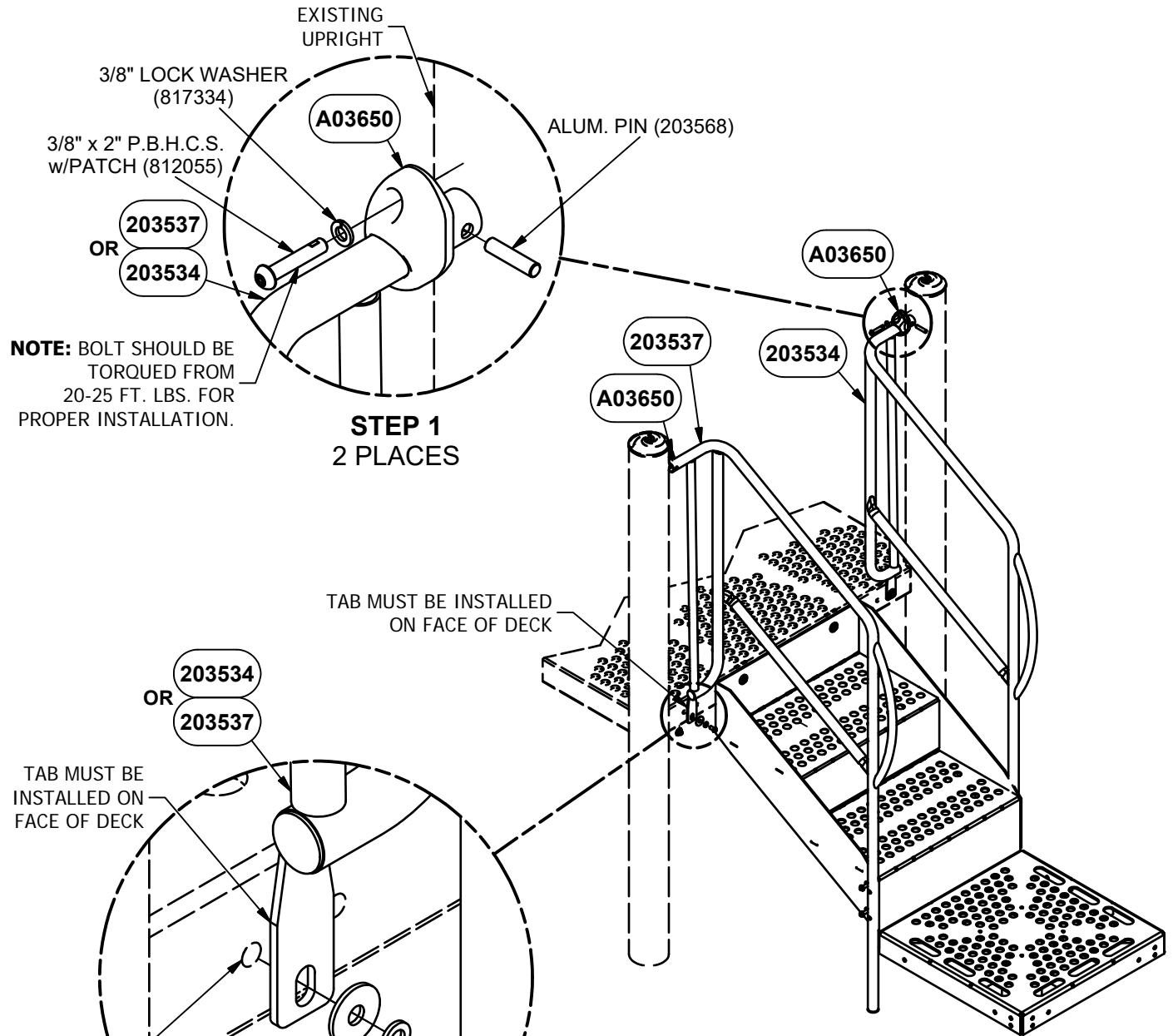
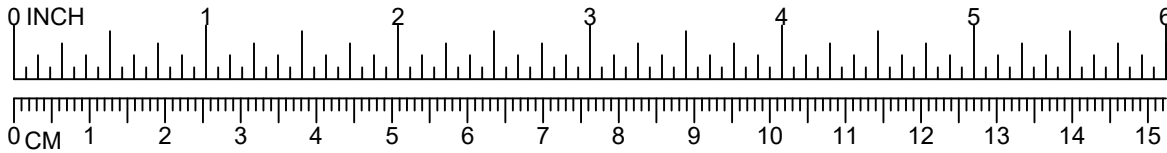
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

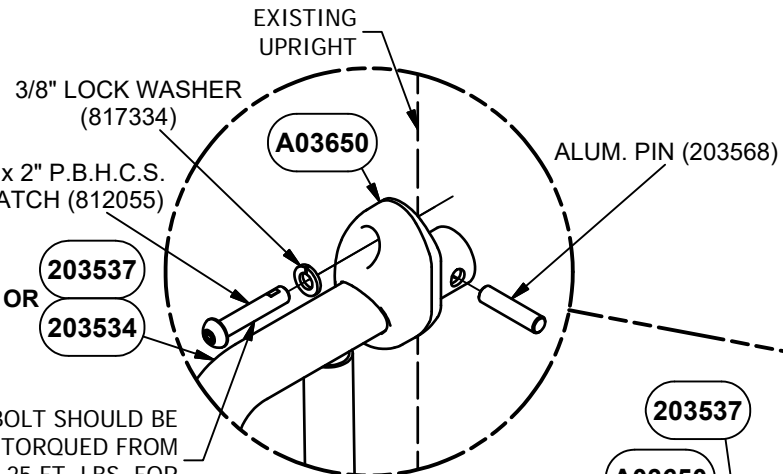
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

FOOTING DETAIL

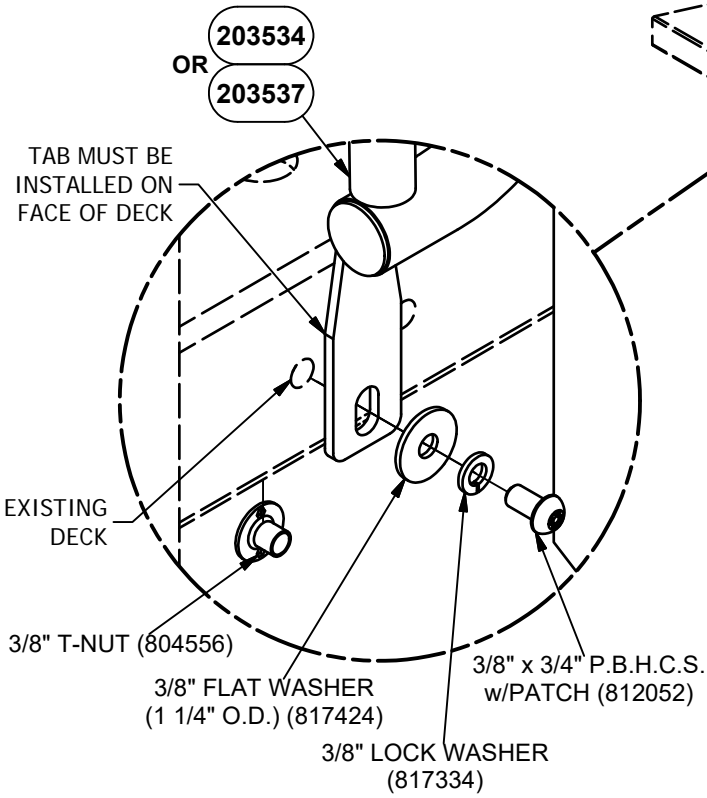


90032 SHOWN
90033 SIMILAR



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

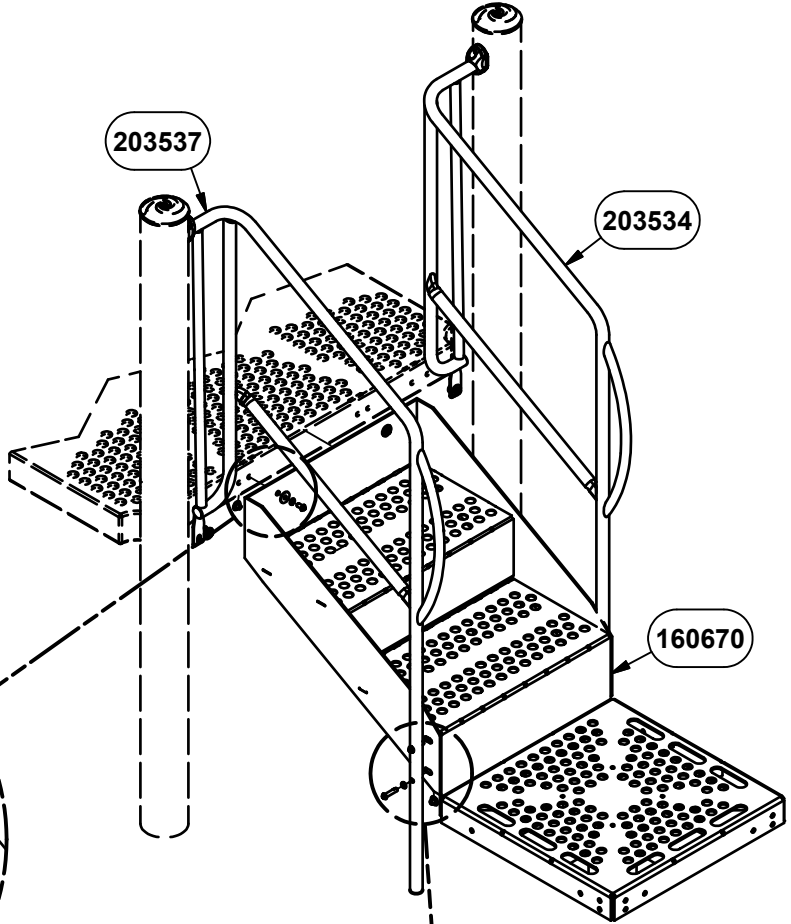
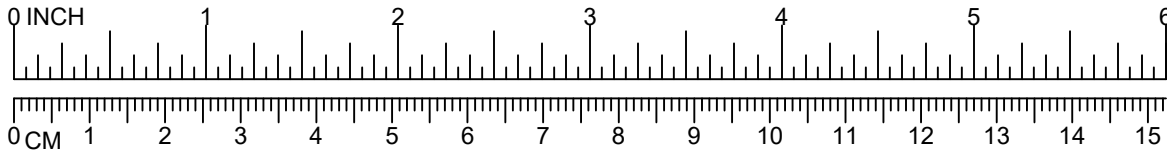
STEP 1
2 PLACES



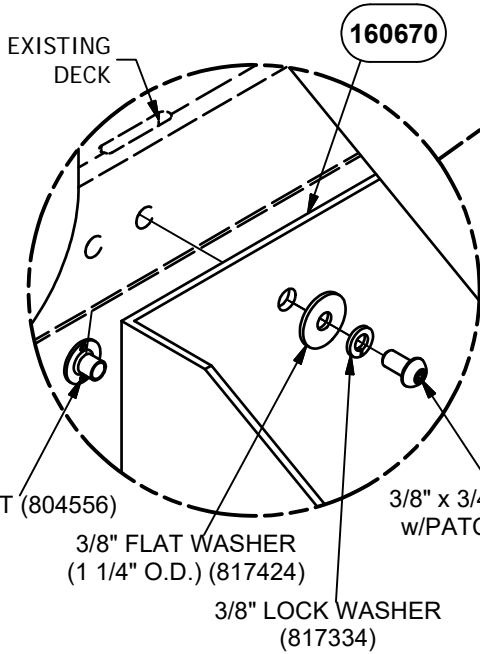
STEP 2
2 PLACES

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

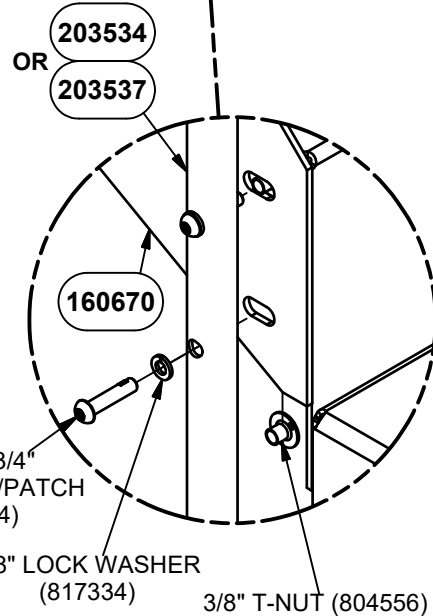
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



90032 SHOWN
90033 SIMILAR



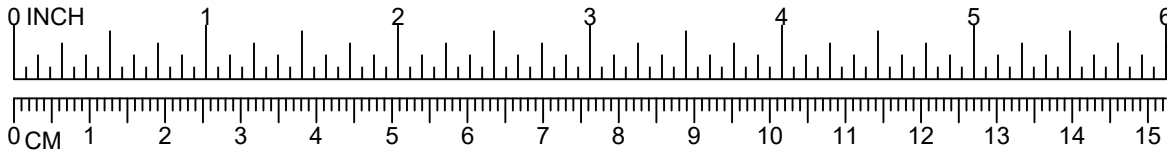
STEP 3
2 PLACES



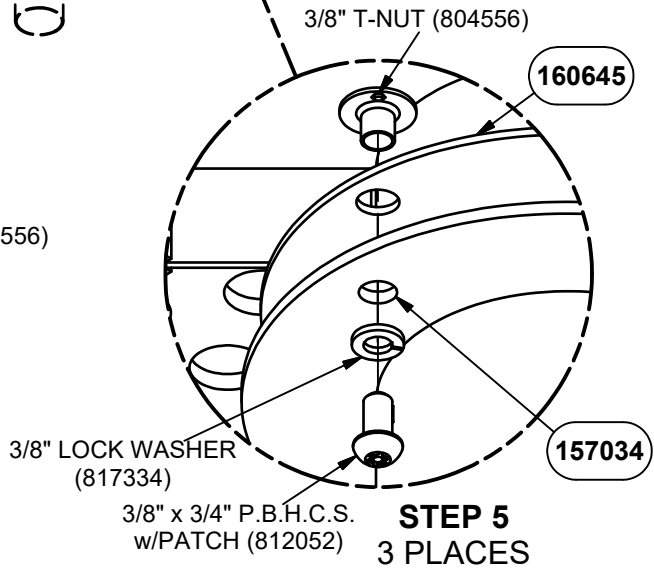
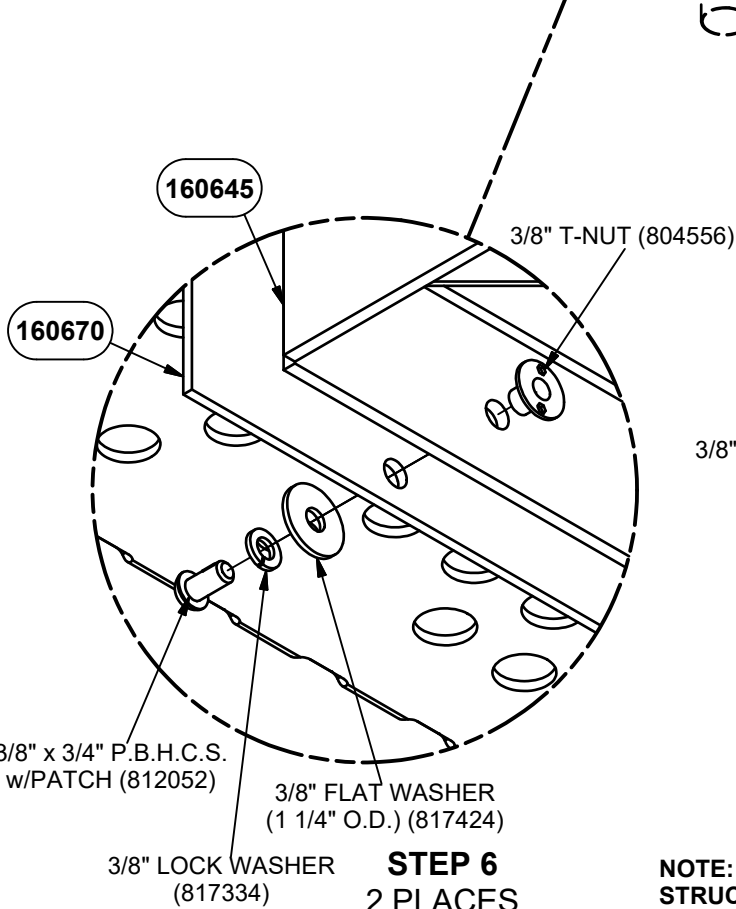
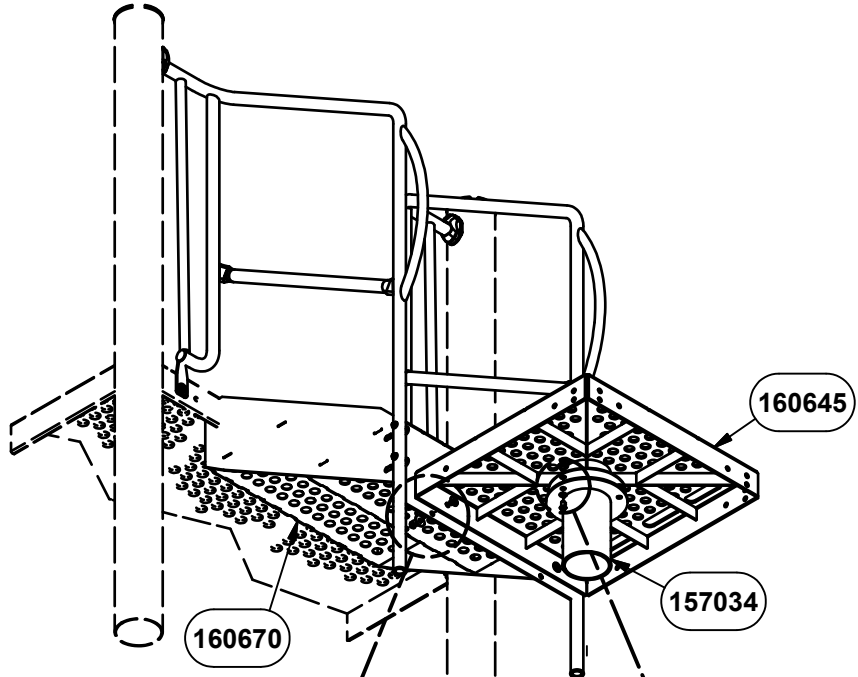
STEP 4
4 PLACES

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

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



90032 SHOWN
90033 SIMILAR



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

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

DETAIL VIEW

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

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

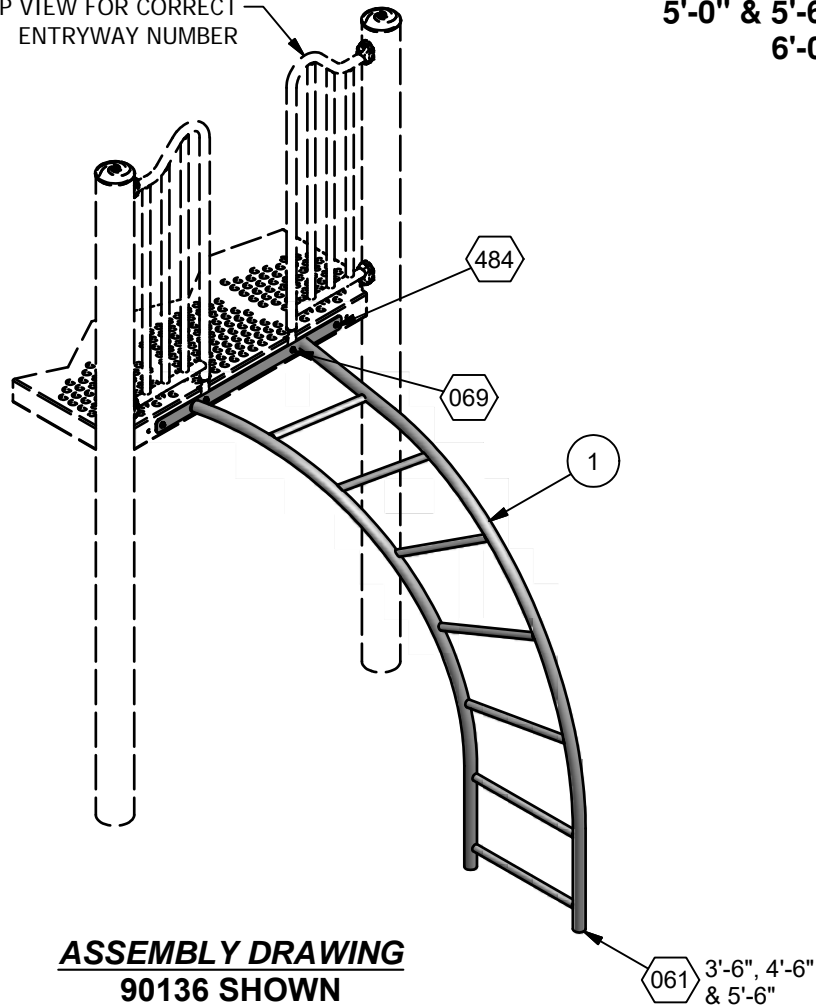
ISSUED/REVISED: 02/27/12

90134 TWISTER CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

REFER TO MODULAR EQUIPMENT
TOP VIEW FOR CORRECT
ENTRYWAY NUMBER

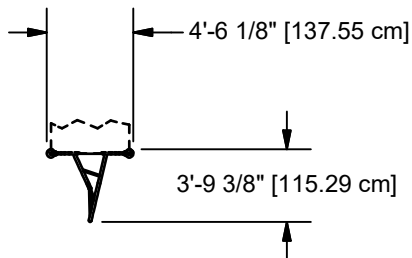
3'-0" & 3'-6"	90134
4'-0" & 4'-6"	90135
5'-0" & 5'-6"	90136
6'-0"	90137



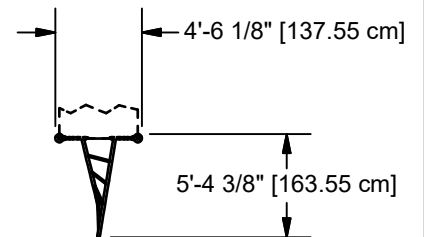
**ASSEMBLY DRAWING
90136 SHOWN**

INSTALLATION INSTRUCTIONS

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

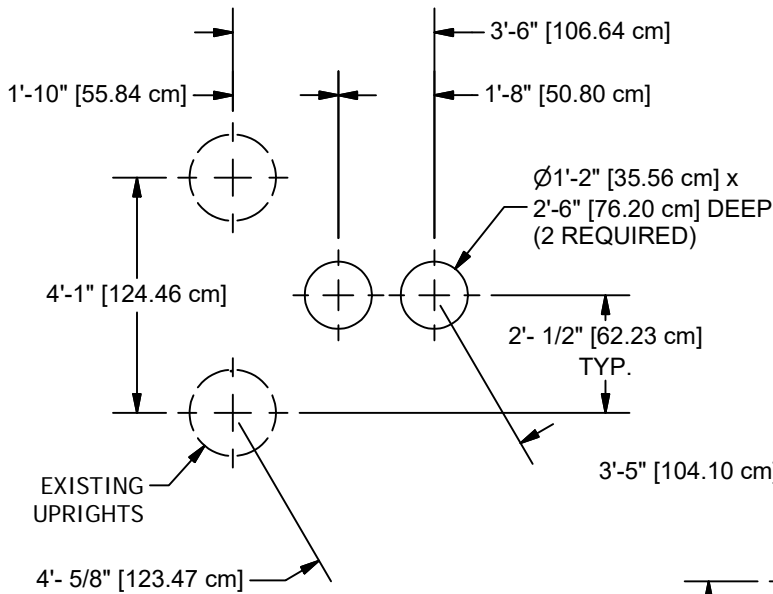


90134 & 90135



90136 & 90137

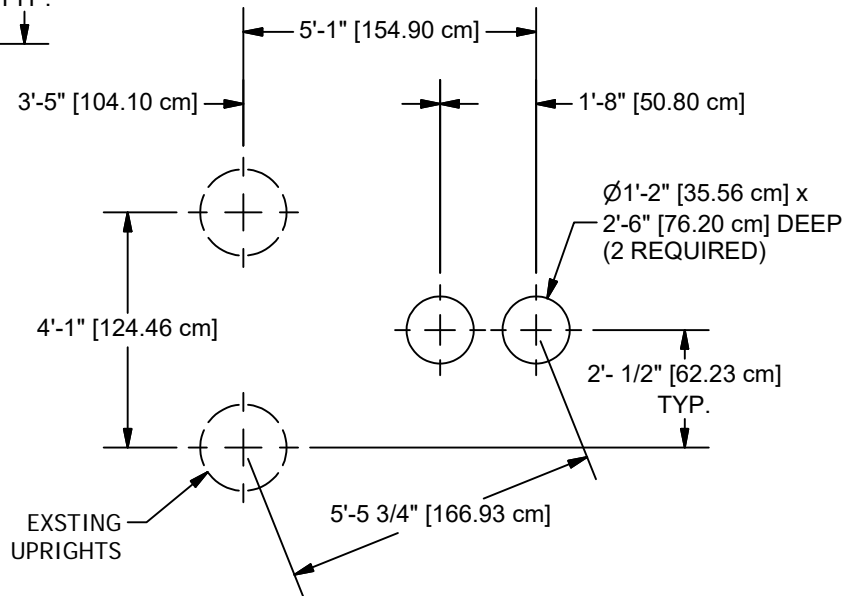
TOP VIEWS



90134 & 90135

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

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



90136 & 90137

GROUND PLANS

Parts List						
REF.	DESCRIPTION	90134	90135	90136	90137	PART NUMBER
1	3' TWISTER CLIMBER ASS'Y	1	0	0	0	155625
1	4' TWISTER CLIMBER ASS'Y	0	1	0	0	155629
1	5' TWISTER CLIMBER ASS'Y	0	0	1	0	155648
1	6' TWISTER CLIMBER ASS'Y	0	0	0	1	155652
	HARDWARE COMPLETE	1	1	1	0	203658
	HARDWARE COMPLETE	0	0	0	1	203659
	EXTENSION LEG	2	2	2	0	152110*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
	3/8" x 2 1/2" HEX HEAD BOLT	2	2	2	0	801009*
	3/8" LOCKWASHER	6	6	6	4	817334*
	3/8" HEX NUT	2	2	2	0	804053*
	3/8" T-NUT	4	4	4	4	804556*

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

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

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

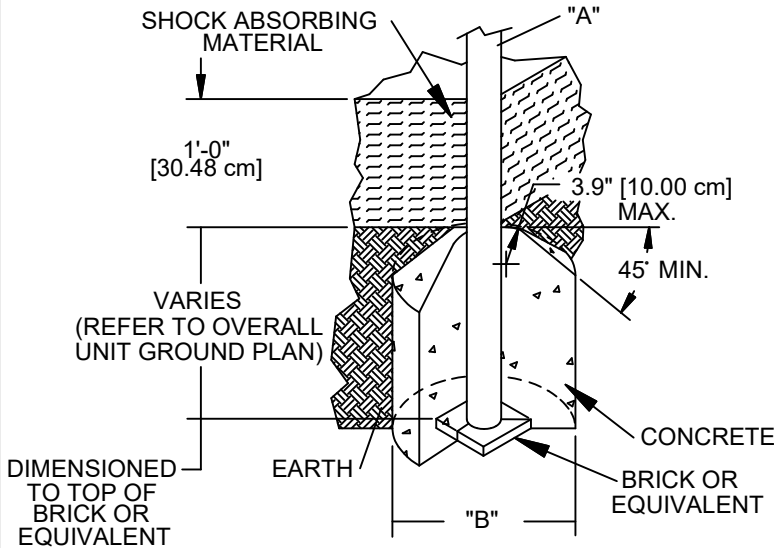
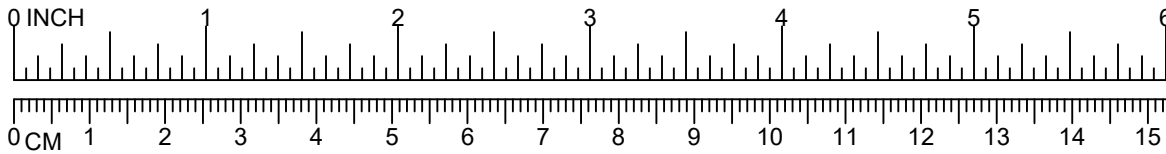
DETAILS -for- 90134, 90135, 90136 & 90137

IMPORTANT

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

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

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



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

NOTES:

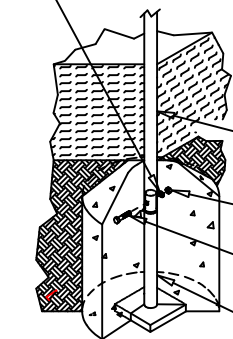
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

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

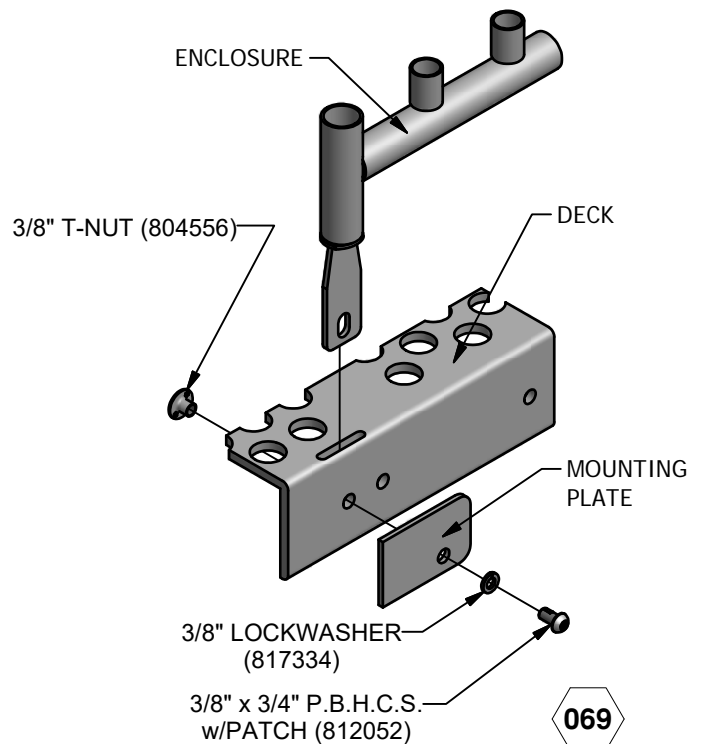
LEG (PIPE DIA.)	BOLT REQUIRED
1 5/16" [3.3 cm]	3/8" x 2" HEX HEAD (801007)
1 5/8" [4.1 cm]	3/8" x 2 1/2" HEX HEAD (801009)
1 7/8" [4.7 cm]	3/8" x 3" HEX HEAD (801011)
2 3/8" [6.0 cm]	3/8" x 3 1/2" HEX HEAD (801013)
2 7/8" [7.3 cm]	3/8" x 4" HEX HEAD (801015)

3/8" LOCKWASHER
(817334)



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

061



ENCLOSURE

3/8" T-NUT (804556)

DECK

MOUNTING
PLATE

3/8" LOCKWASHER
(817334)

3/8" x 3/4" P.B.H.C.S.
w/PATCH (812052)

069

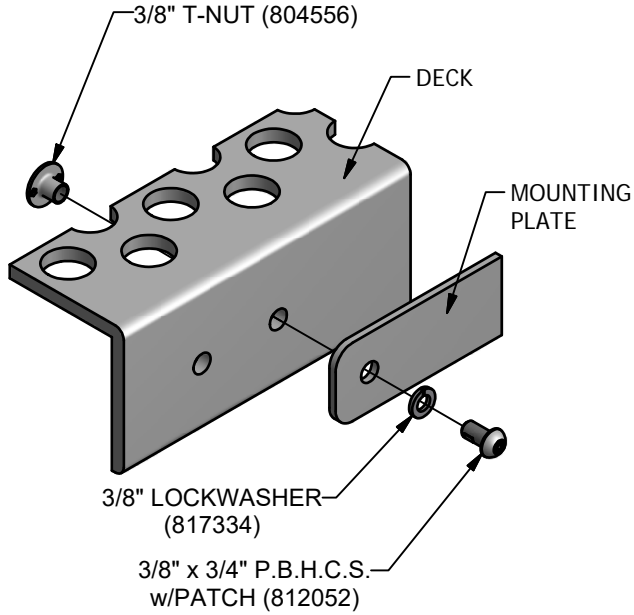
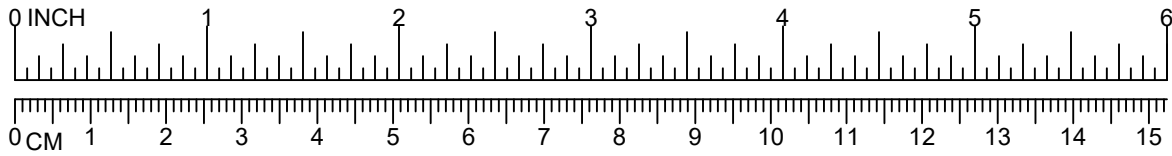
DETAILS -for- 90134, 90135, 90136 & 90137

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.



484

PowerScape®

GameTime®

A PLAYCORE Company

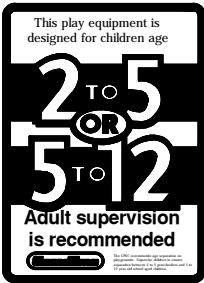
1-800-235-2440

ISSUED/REVISED: 11/10/20

90249 LEANING WALL CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

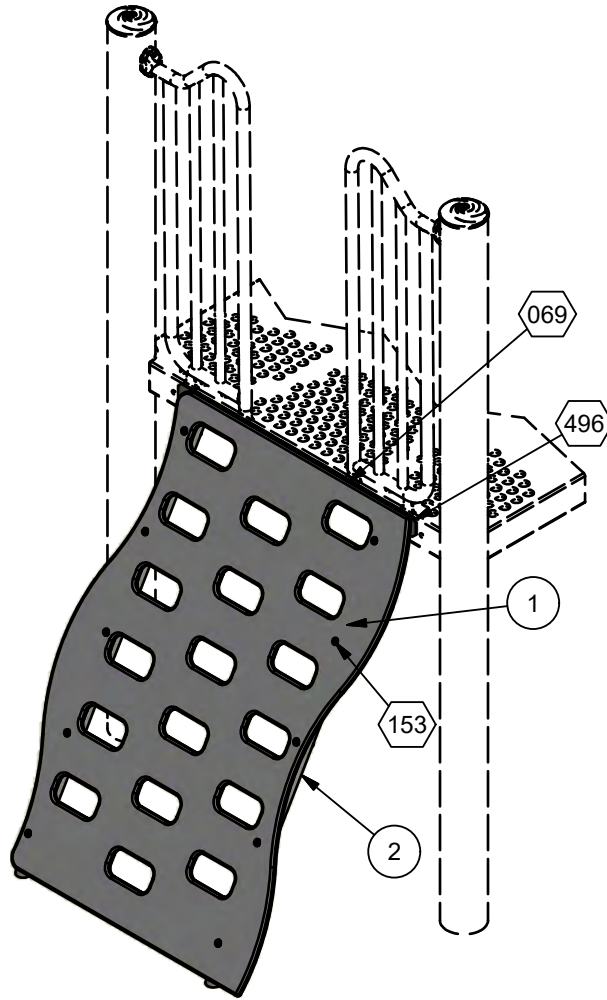


90249
90250
90251
90252
90253
90254



90255
90256
90257
90258
90259
90260

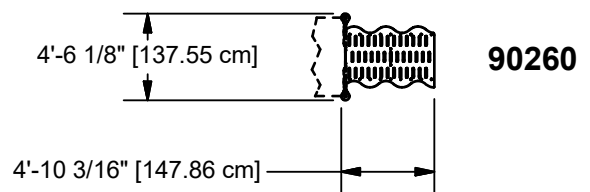
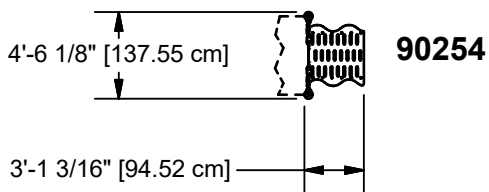
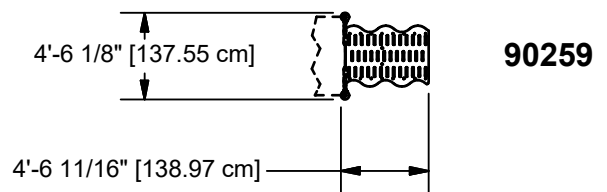
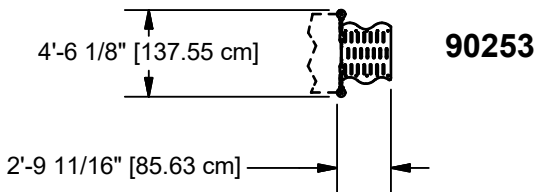
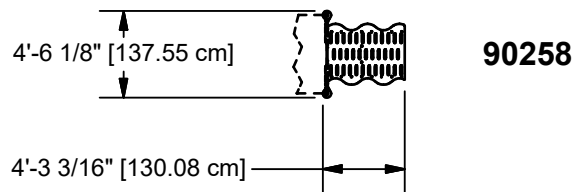
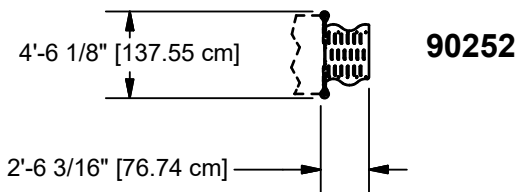
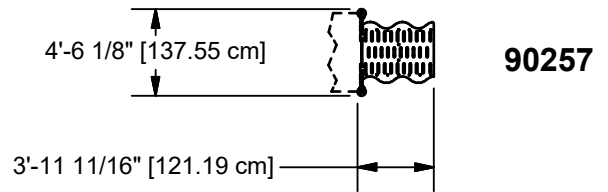
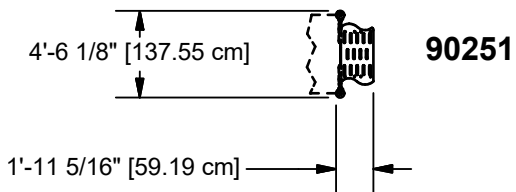
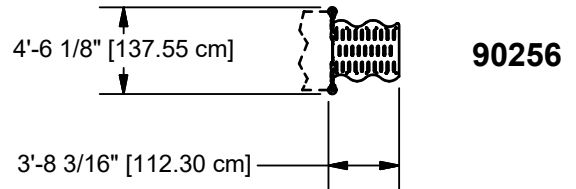
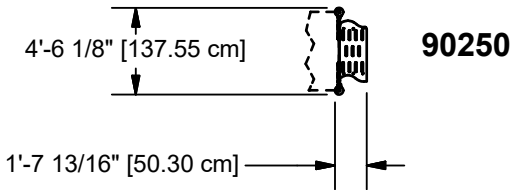
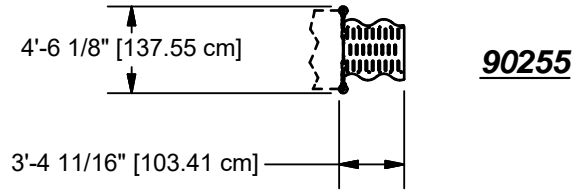
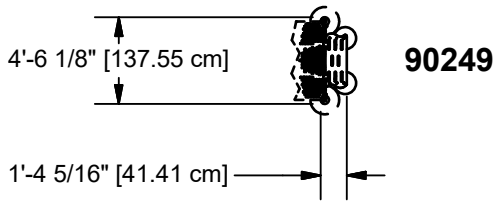
2'-0"	90249
2'-6"	90250
3'-0"	90251
4'-0"	90252
4'-6"	90253
5'-0"	90254
5'-6"	90255
6'-0"	90256
6'-6"	90257
7'-0"	90258
7'-6"	90259
8'-0"	90260



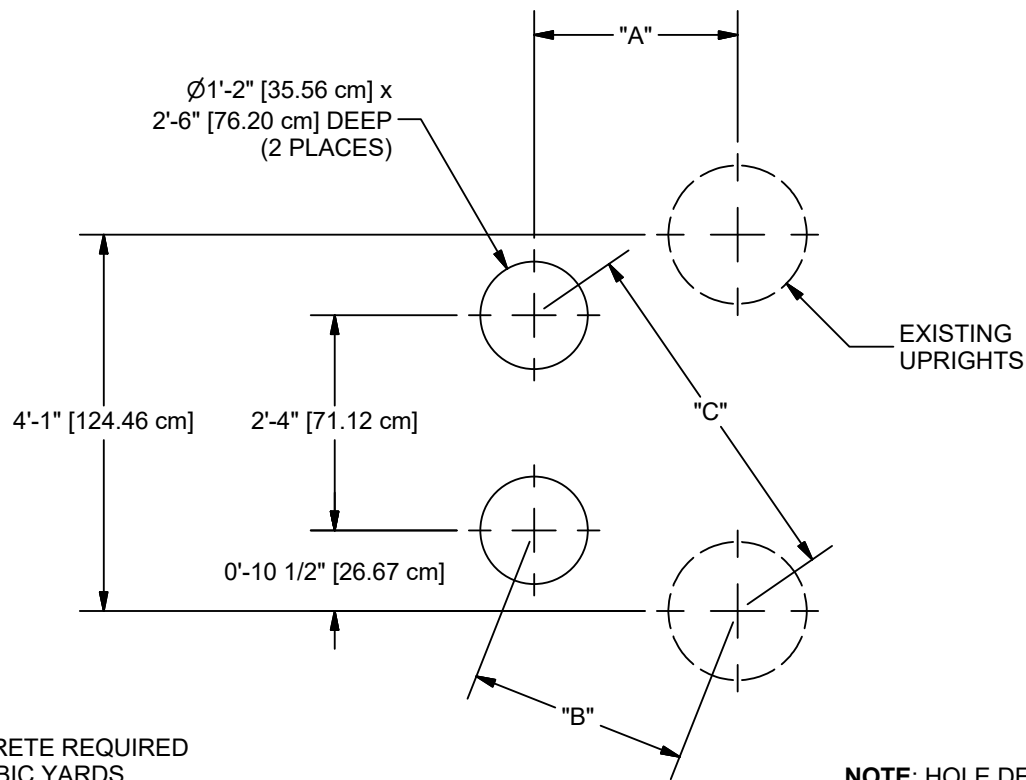
ASSEMBLY DRAWING
90252 SHOWN

INSTALLATION INSTRUCTIONS

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



TOP VIEWS



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

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

FINAL	"A" DIMENSION	"B" DIMENSION	"C" DIMENSION
90249	1'-5/8" [32.05 cm]	1'-4 7/16" [41.69 cm]	3'-4 1/2" [102.91 cm]
90250	1'-4 1/16" [40.86 cm]	1'-7 3/16" [48.79 cm]	3'-5 3/4" [105.98 cm]
90251	1'-7 9/16" [49.67 cm]	1'-10 3/16" [56.38 cm]	3'-7 3/16" [109.68 cm]
90252	2'-2 1/2" [67.27 cm]	2'-4 1/2" [72.38 cm]	3'-10 3/4" [118.69 cm]
90253	2'-5 11/16" [75.33 cm]	2'-7 7/16" [79.91 cm]	4'- 5/8" [123.44 cm]
90254	2'-9 1/8" [84.13 cm]	2'-10 3/4" [88.25 cm]	4'-2 13/16" [129.00 cm]
90255	3'-7/8" [93.66 cm]	3'-2 5/16" [97.39 cm]	4'-5 5/16" [135.41 cm]
90256	3'-4 5/16" [102.46 cm]	3'-5 11/16" [105.88 cm]	4'-7 3/4" [141.64 cm]
90257	3'-7 13/16" [111.28 cm]	3'-9 1/16" [114.46 cm]	4'-10 5/16" [148.11 cm]
90258	3'-11 1/4" [120.02 cm]	4'-7/16" [123.03 cm]	5'-1" [154.94 cm]
90259	4'-2 3/4" [128.91 cm]	4'-3 13/16" [131.60 cm]	5'-3 11/16" [161.77 cm]
90260	4'-7" [139.70 cm]	4'-7 1/4" [140.34 cm]	5'-6 1/2" [168.91 cm]

GROUND PLANS

Parts List								
REF.	DESCRIPTION	90249	90250	90251	90252	90253	90254	PART NUMBER
1	LEANING WALL PANEL	1	0	0	0	0	0	163010
1	LEANING WALL PANEL	0	1	0	0	0	0	163011
1	LEANING WALL PANEL	0	0	1	0	0	0	163012
1	LEANING WALL PANEL	0	0	0	1	0	0	177907
1	LEANING WALL PANEL	0	0	0	0	1	0	177909
1	LEANING WALL PANEL	0	0	0	0	0	1	177911
2	FRAME ASS'Y for LEANING WALL	1	0	0	0	0	0	162265
2	FRAME ASS'Y for LEANING WALL	0	1	0	0	0	0	162264
2	FRAME ASS'Y for LEANING WALL	0	0	1	0	0	0	161802
2	FRAME ASS'Y for LEANING WALL	0	0	0	1	0	0	177898
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	1	0	177900
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	0	1	177902
	HARDWARE COMPLETE	1	1	0	0	0	0	203680
	HARDWARE COMPLETE	0	0	1	0	0	0	203681
	HARDWARE COMPLETE	0	0	0	1	1	0	203682
	HARDWARE COMPLETE	0	0	0	0	0	1	203683
	3/8" x 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812049*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" LOCK WASHER	4	4	4	4	4	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	4	817424*
	3/8" T-NUT	4	4	4	4	4	4	804556*
	5/16" x 2" P.B.H.C.S. w/PATCH	6	6	8	10	10	12	812046*
	5/16" FLAT WASHER (5/8" O.D.)	6	6	8	10	10	12	817406*
	5/16" LOCK WASHER	6	6	8	10	10	12	817330*
	5/16" T-NUT	6	6	8	10	10	12	804555*

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

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

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

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

Parts List								
REF.	DESCRIPTION	90255	90256	90257	90258	90259	90260	PART NUMBER
1	LEANING WALL PANEL	1	0	0	0	0	0	177913
1	LEANING WALL PANEL	0	1	0	0	0	0	177915
1	LEANING WALL PANEL	0	0	1	0	0	0	203594
1	LEANING WALL PANEL	0	0	0	1	0	0	203599
1	LEANING WALL PANEL	0	0	0	0	1	0	203604
1	LEANING WALL PANEL	0	0	0	0	0	1	203609
2	FRAME ASS'Y for LEANING WALL	1	0	0	0	0	0	177904
2	FRAME ASS'Y for LEANING WALL	0	1	0	0	0	0	177906
2	FRAME ASS'Y for LEANING WALL	0	0	1	0	0	0	203591
2	FRAME ASS'Y for LEANING WALL	0	0	0	1	0	0	203596
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	1	0	203601
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	0	1	203606
	HARDWARE COMPLETE	1	0	0	0	0	0	203683
	HARDWARE COMPLETE	0	1	1	0	0	0	203684
	HARDWARE COMPLETE	0	0	0	1	1	0	203685
	HARDWARE COMPLETE	0	0	0	0	0	1	203686
	3/8" x 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812049*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" LOCK WASHER	4	4	4	4	4	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	4	817424*
	3/8" T-NUT	4	4	4	4	4	4	804556*
	5/16" x 2" P.B.H.C.S. w/PATCH	12	16	16	18	18	20	812046*
	5/16" FLAT WASHER (5/8" O.D.)	12	16	16	18	18	20	817406*
	5/16" LOCK WASHER	12	16	16	18	18	20	817330*
	5/16" T-NUT	12	16	16	18	18	20	804555*

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.

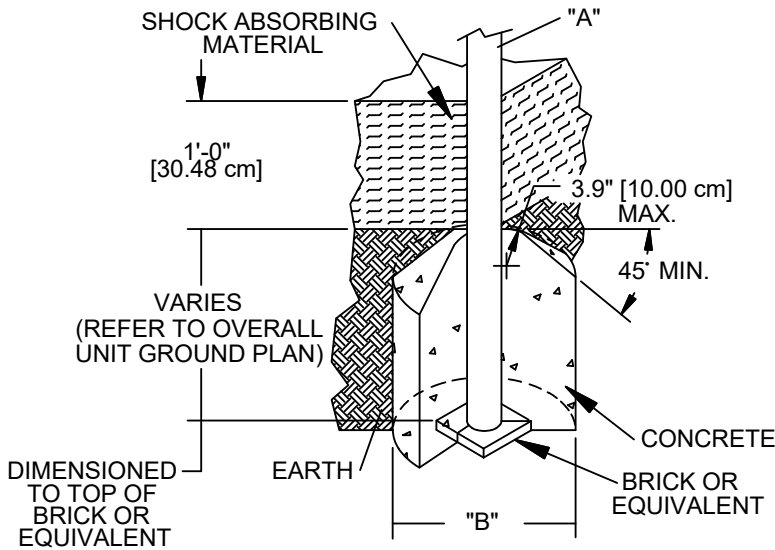
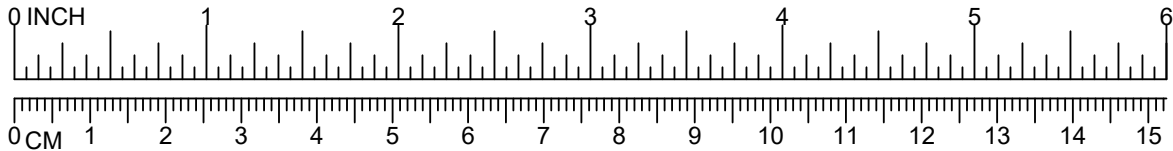
DETAILS -for- 90249-90260

IMPORTANT

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

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

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



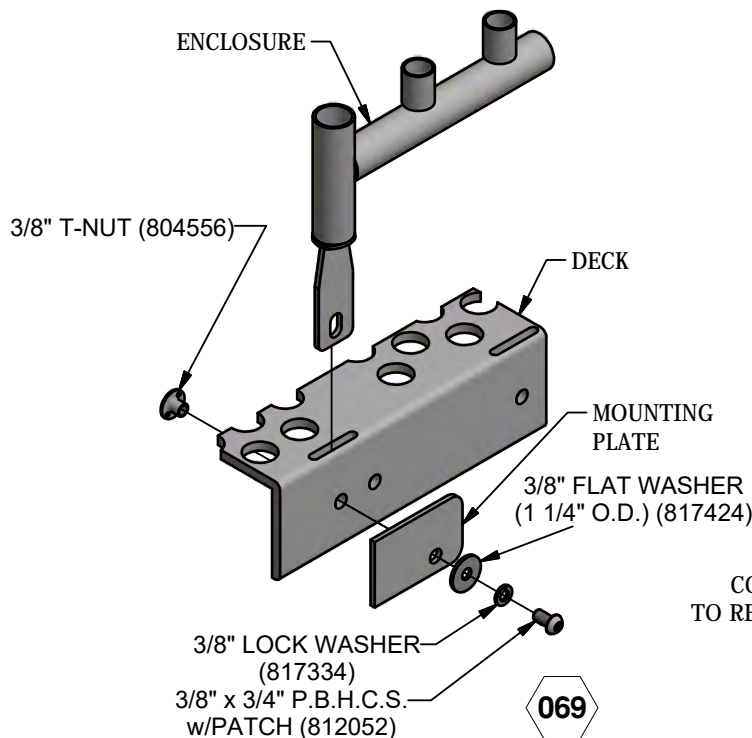
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:

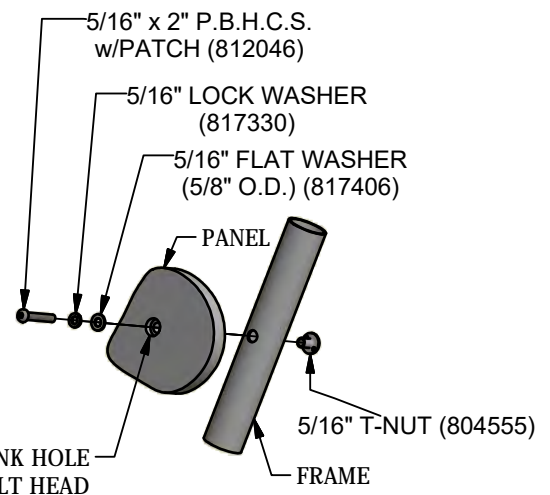
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032

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



069



153

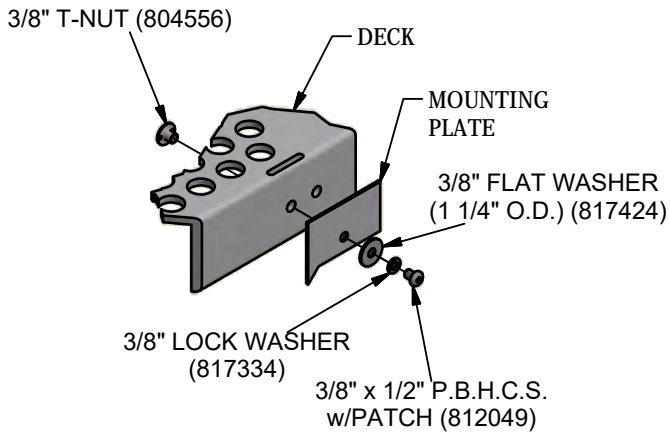
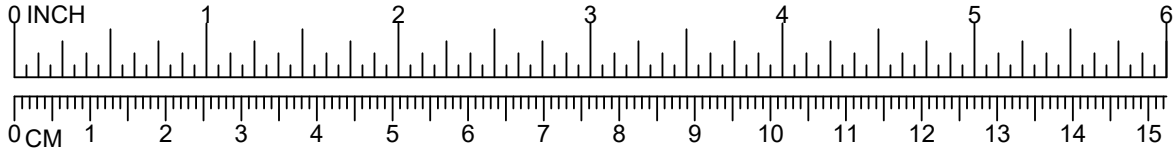
DETAILS -for- 90249-90260

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.



496

PowerScape®



GameTime®

A PLAYCORE Company

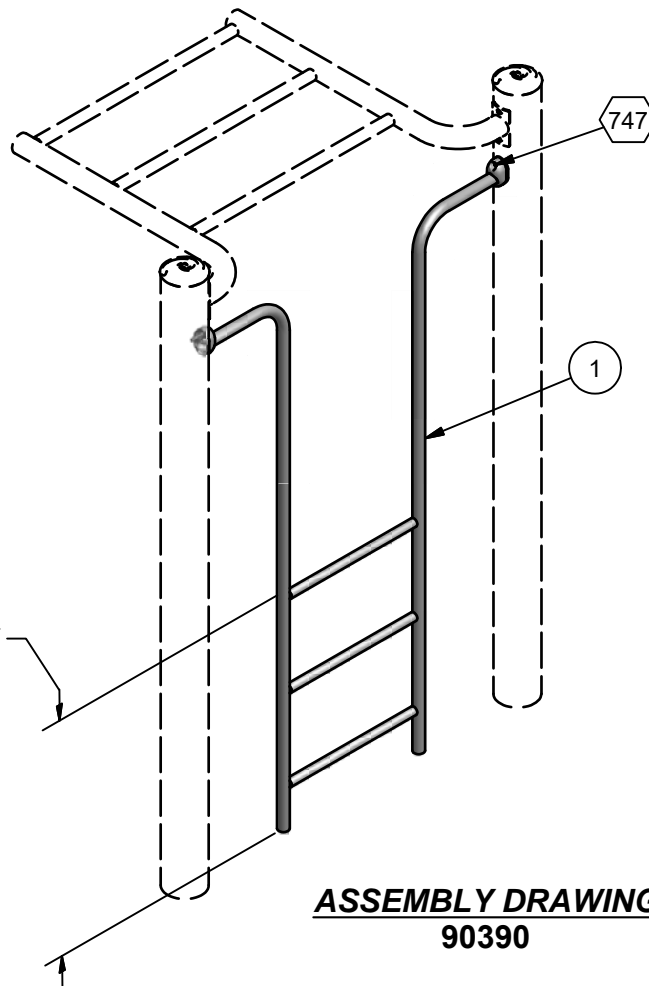
1-800-235-2440

ISSUED/REVISED: 11/12/12

90388 OVERHEAD CLIMBER ACCESS LADDER

-  = INSTALLATION
-  = PARTS LIST REFERENCE

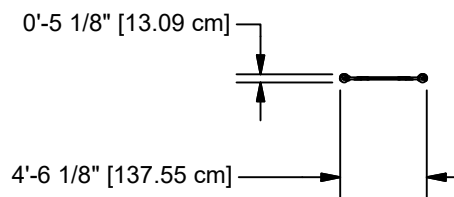
1'-6" ATTACHMENT	90388
2'-0" ATTACHMENT	90389
2'-6" ATTACHMENT	90390
3'-0" ATTACHMENT	90391



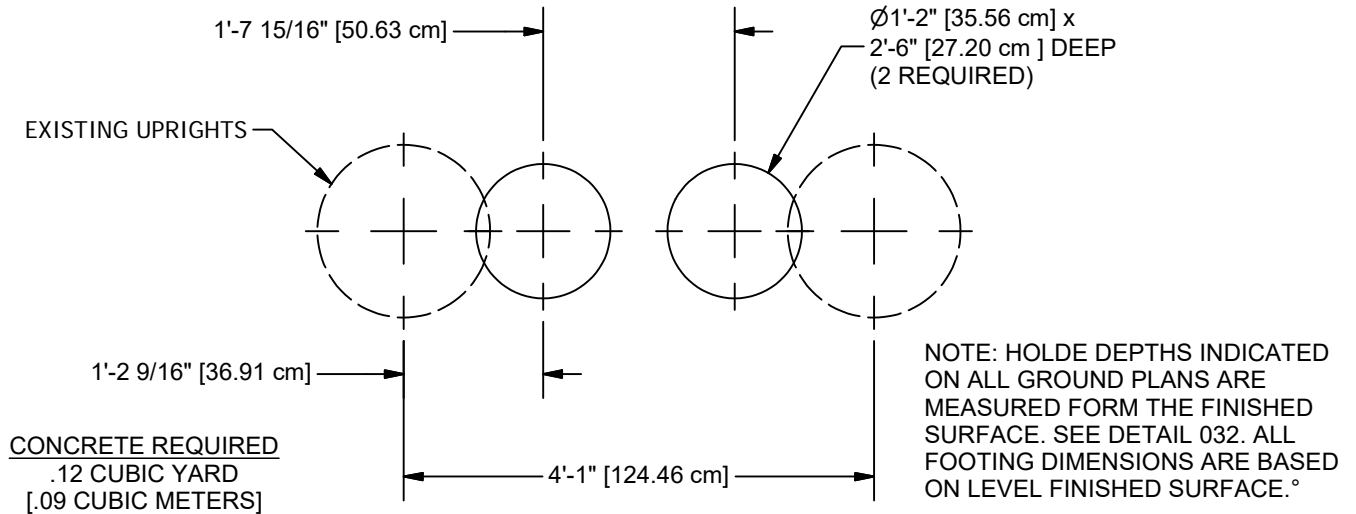
ASSEMBLY DRAWING
90390

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



GROUND PLAN

Parts List						
REF.	DESCRIPTION	90388	90389	90390	90391	PART NUMBER
1	OVERHEAD CLIMBER ACCESS LADDER	1	0	0	0	204102
1	OVERHEAD CLIMBER ACCESS LADDER	0	1	0	0	204105
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	1	0	204108
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	0	1	204111
	TRU-LOC	2	2	2	2	A03650
	HARDWARE COMPLETE	1	1	1	1	204114
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	812055*
	3/8" LOCKWASHER	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.

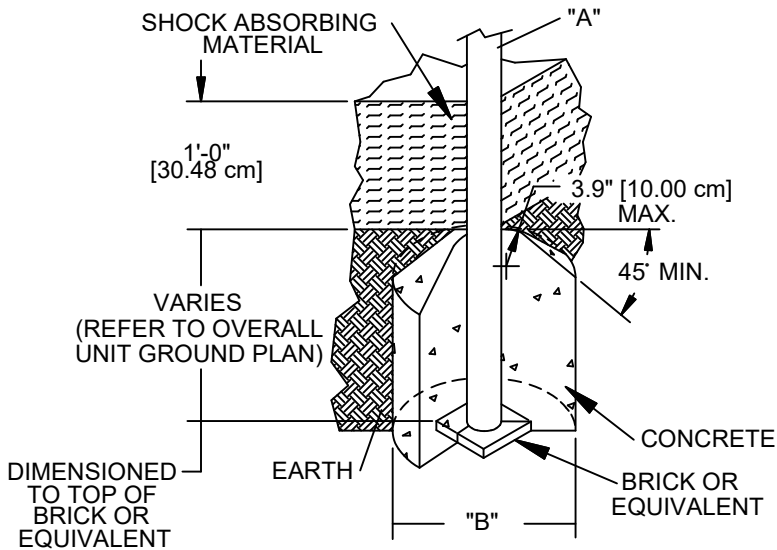
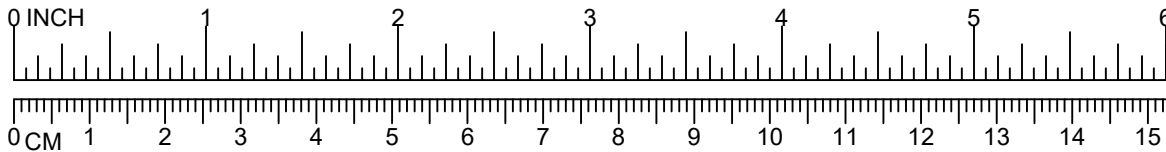
DETAILS -for- 90388, 90389, 90390 & 90391

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.



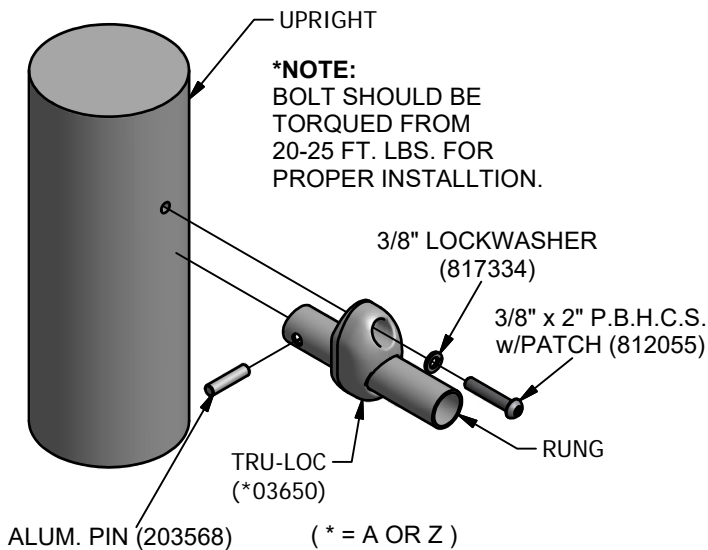
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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





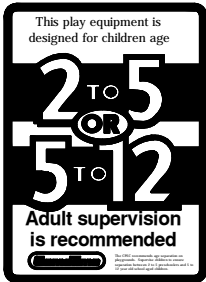
A PLAYCORE Company

1-800-235-2440

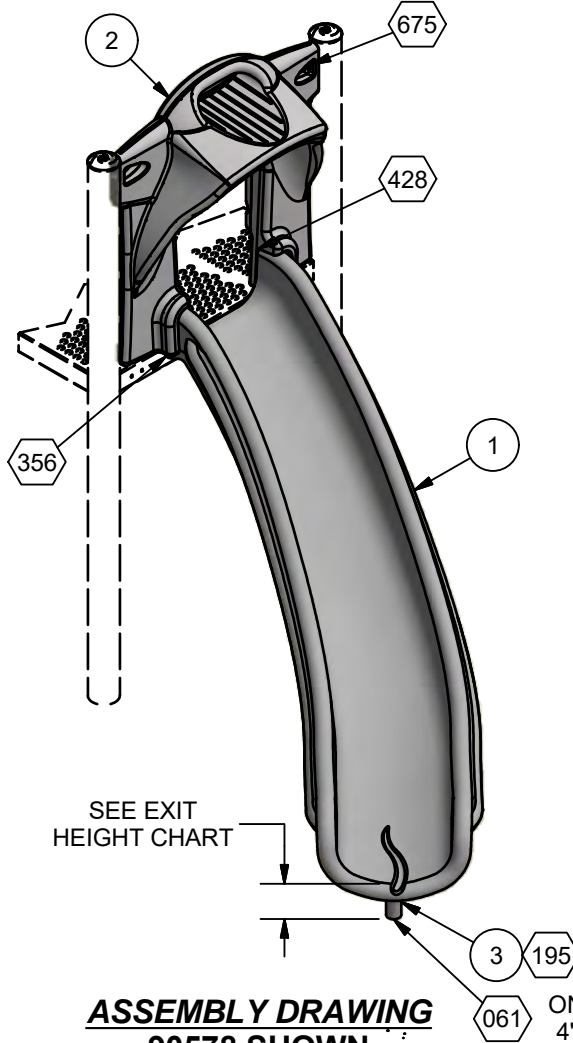
ISSUED/REVISED: 6/19/18

SWERVE ZIP SLIDE (SINGLE)

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE



5' RIGHT	90578
4'-6" RIGHT	90578
4'-0" LEFT	90653
4'-0" RIGHT	90654
3'-6" LEFT	90653
3'-6" RIGHT	90654



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

INSTALLATION INSTRUCTIONS

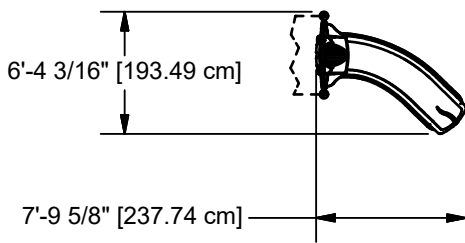
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

ASSEMBLY DRAWING 90578 SHOWN

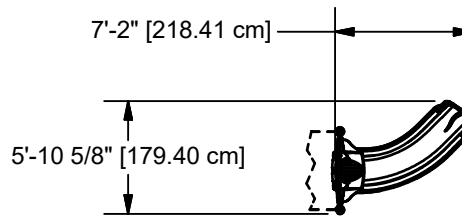
ONLY FOR 5'-0" AND 4'-0" DECK HEIGHT

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

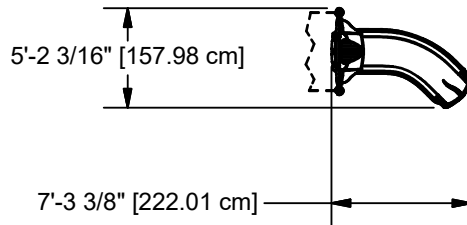
EXIT HEIGHT CHART -for- 3'-6" & 4'-0"	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS



90578



90653



90654

TOP VIEWS

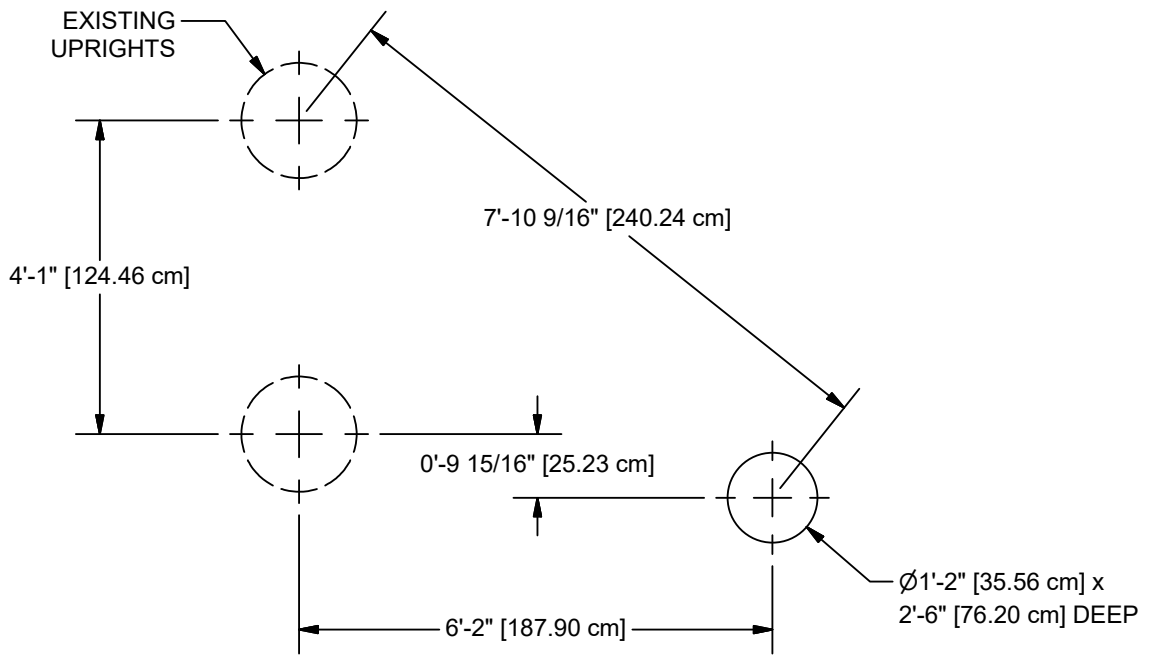
Parts List					
REF.	DESCRIPTION	90578	90653	90654	PART NUMBER
1	SWERVE SLIDE	1	0	0	204590
1	SWERVE SLIDE	0	1	0	205958
1	SWERVE SLIDE	0	0	1	205959
2	SINGLE ZIP SLIDE HOOD	1	1	1	203858
3	FOOTBUCK WELD ASS'Y	1	0	0	204879
3	FOOTBUCK WELD ASS'Y	0	1	1	176385
	HARDWARE COMPLETE	1	1	1	204881
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	812058*
	3/8" FLAT WASHER	4	4	4	817410*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	817424*
	3/8" LOCK WASHER	11	11	11	817334*
	6" EXTENSION	1	1	1	151080*
	3/8" HEX NUT	1	1	1	804053*
	3/8" x 3 1/2" HEX HEAD	1	1	1	801013*

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

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

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

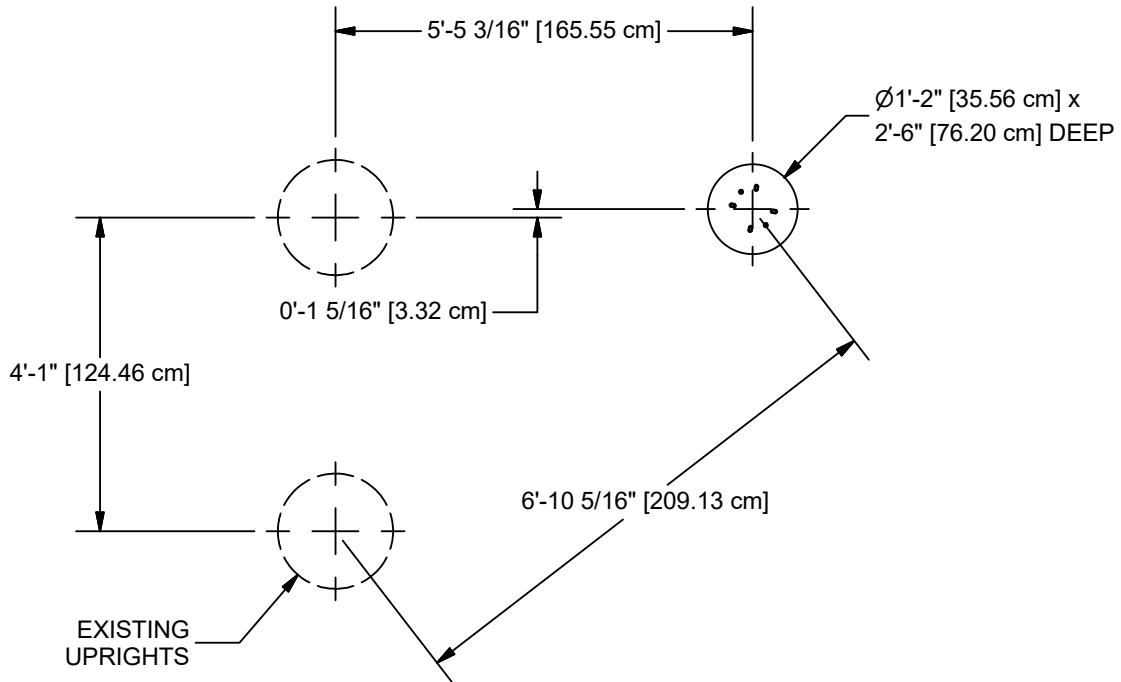
Note: Loctite (supplied by others) should be used on any non-patch hardware.



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.

90578

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

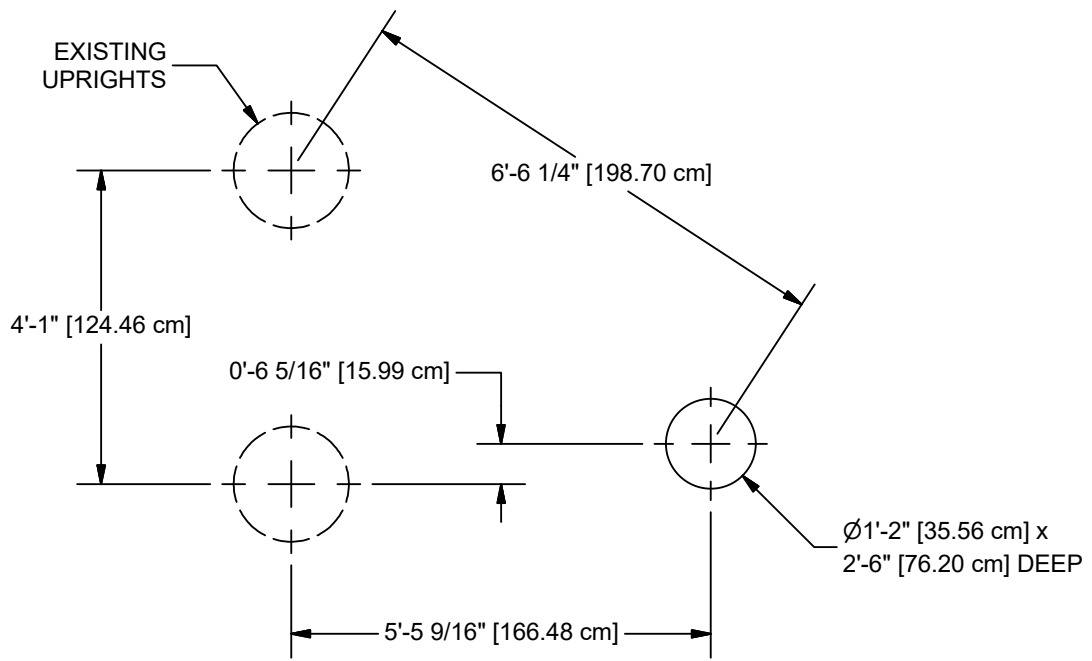


NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

90653

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

GROUND PLANS



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

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

90654

GROUND PLAN

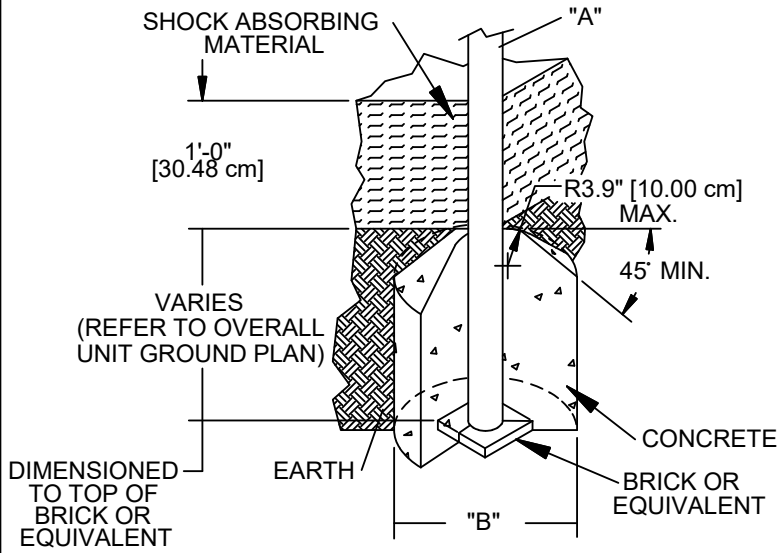
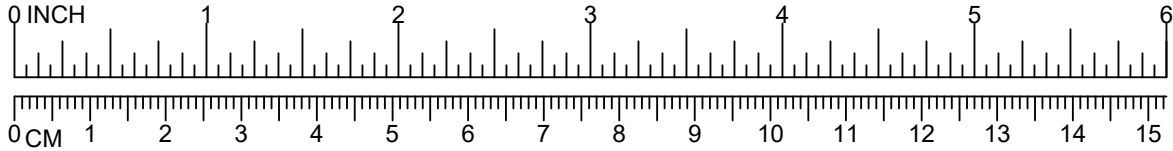
DETAILS -for- 90578, 90653 & 90654

IMPORTANT

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

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

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



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

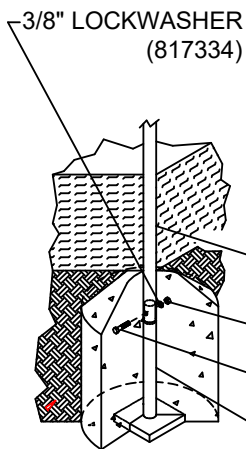
NOTES:

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

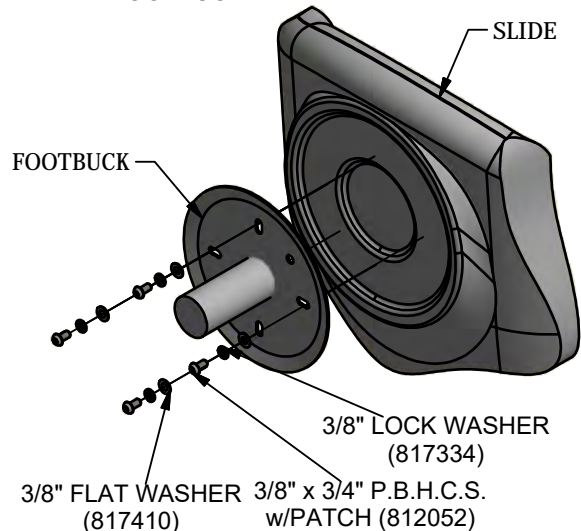


SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

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



SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



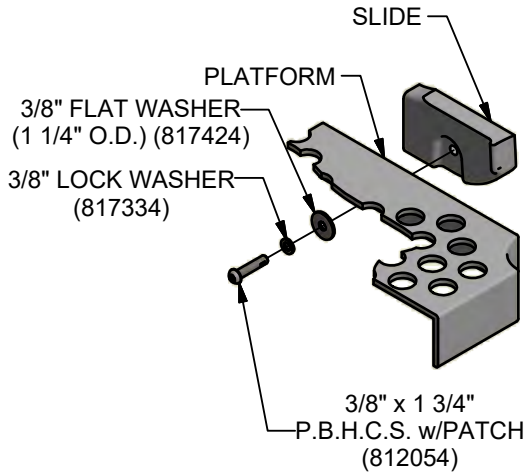
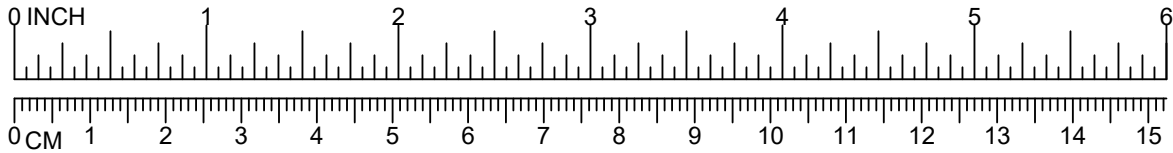
DETAILS -for- 90578, 90653 & 90654

IMPORTANT

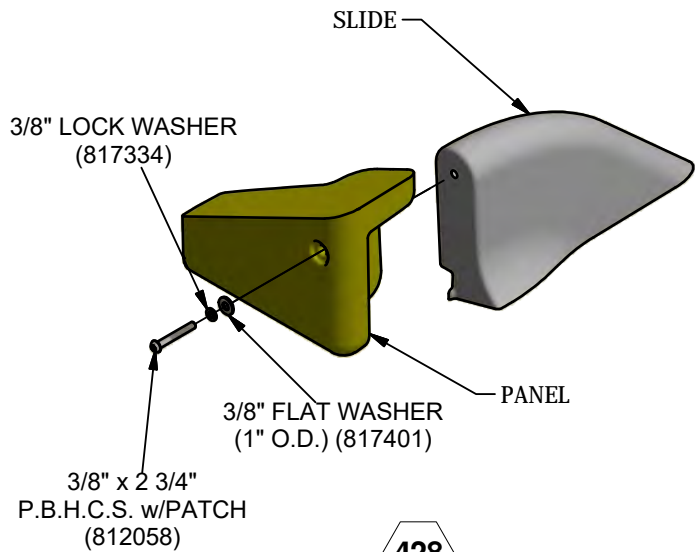
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

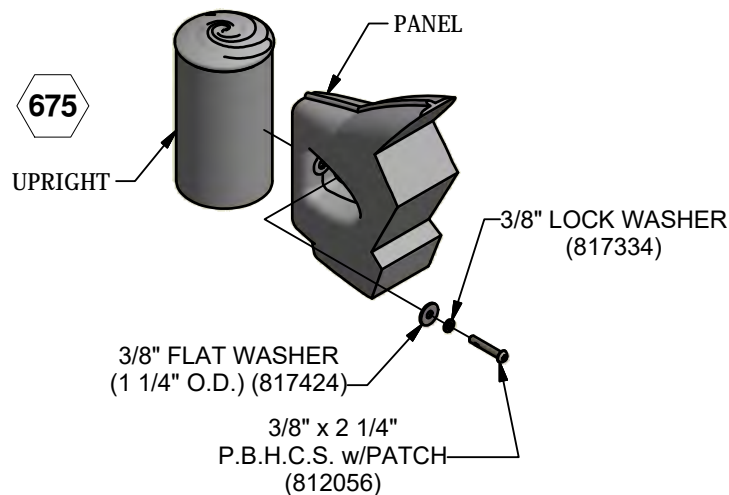
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



356



428



675

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 9/14/20

90700 WILDER SLIDE II

⬡ = INSTALLATION
DETAIL

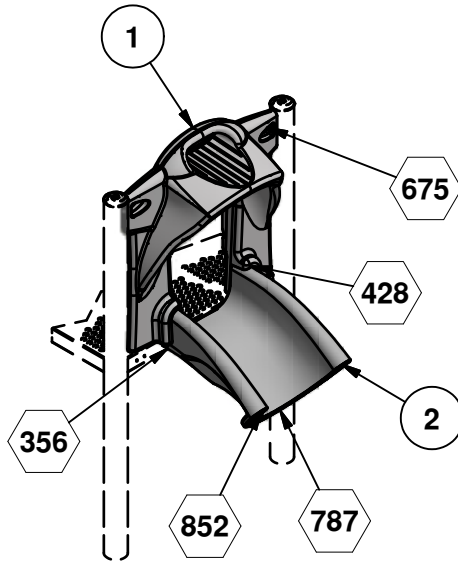
○ = PARTS LIST
REFERENCE



UP TO 5'-0"

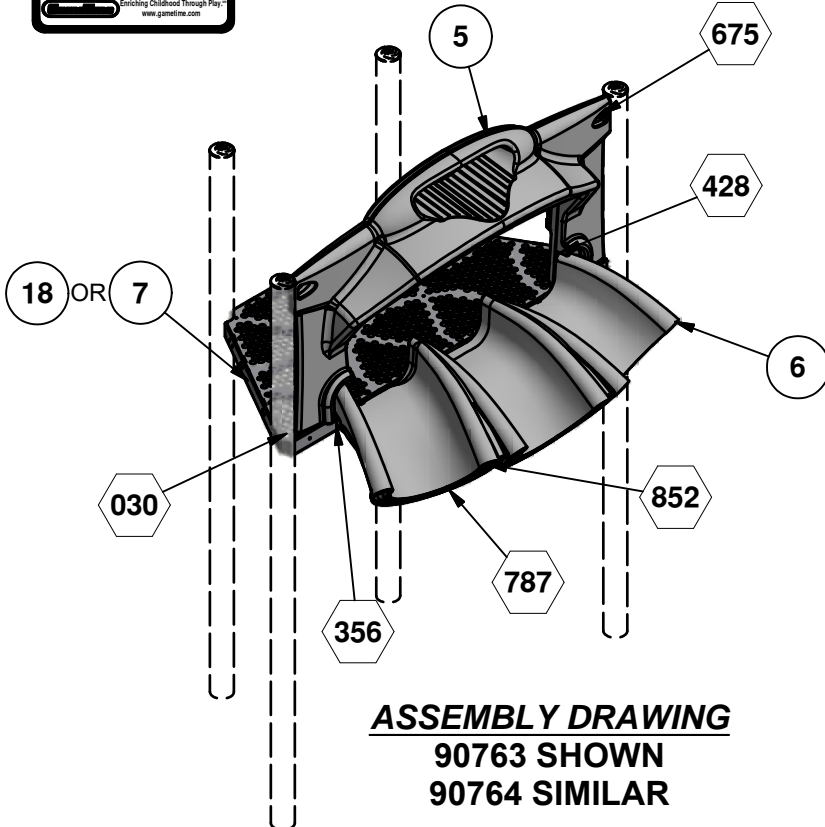


UP TO 8'-0"

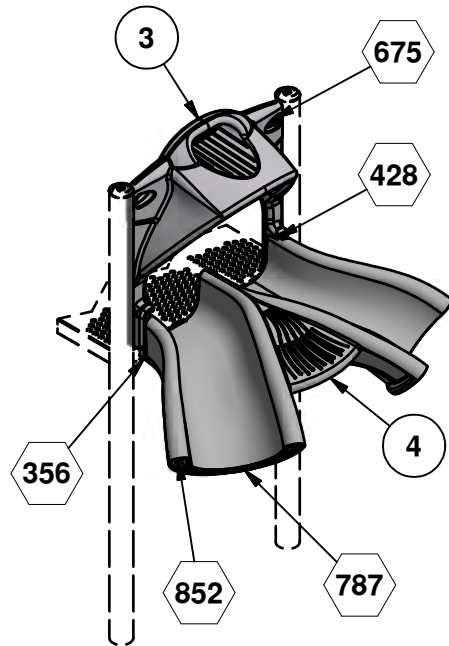


**ASSEMBLY DRAWING
90700 SHOWN**

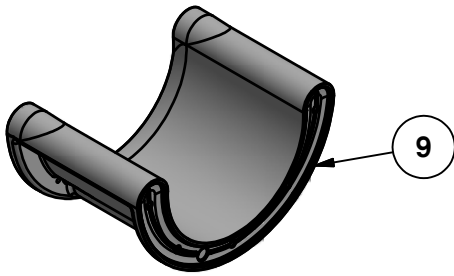
SINGLE ENTRANCE	90700
DOUBLE ENTRANCE	90701
TRIPLE ENTRANCE	90763
STRAIGHT	90703
CURVE LEFT	90704
CURVE RIGHT	90705
EXIT	90706
140° HELIX SPIRAL	90707
HELIX SPIRAL	90708
SLIDE SUPPORT	90709
SLIDE SUPPORT	90710
SLIDE SUPPORT	90718
LONG EXIT	90762
TRIPLE ENTRANCE ADA	90764
DOUBLE STRAIGHT	90729
OUTRIGGER	90776



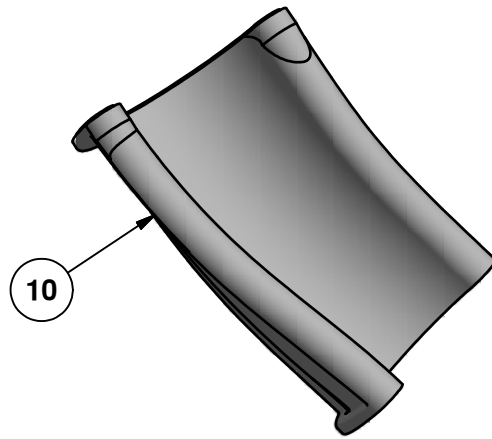
**ASSEMBLY DRAWING
90763 SHOWN
90764 SIMILAR**



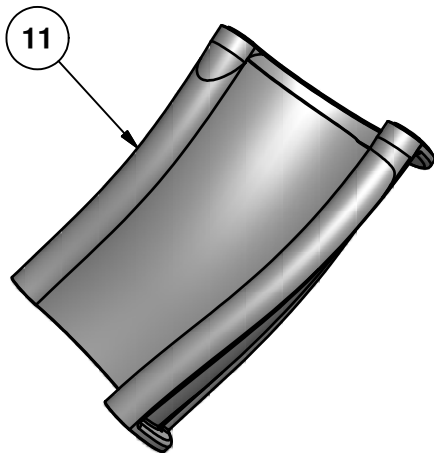
**ASSEMBLY DRAWING
90701 SHOWN**



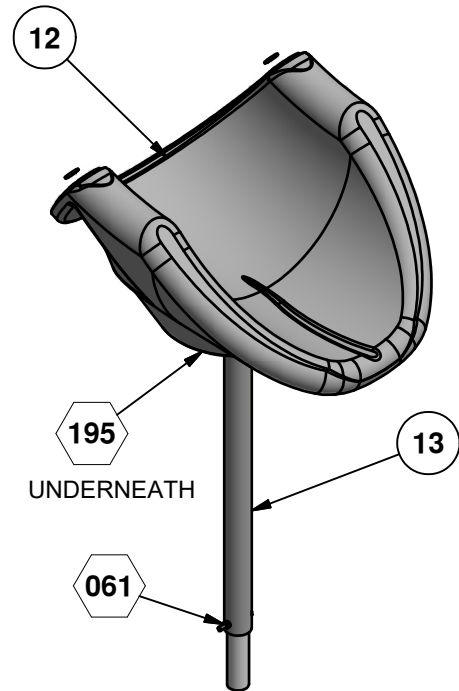
ASSEMBLY DRAWING
90703 SHOWN



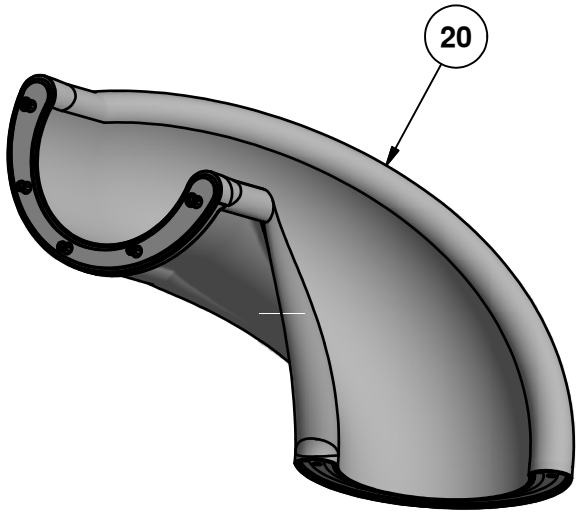
ASSEMBLY DRAWING
90704 SHOWN



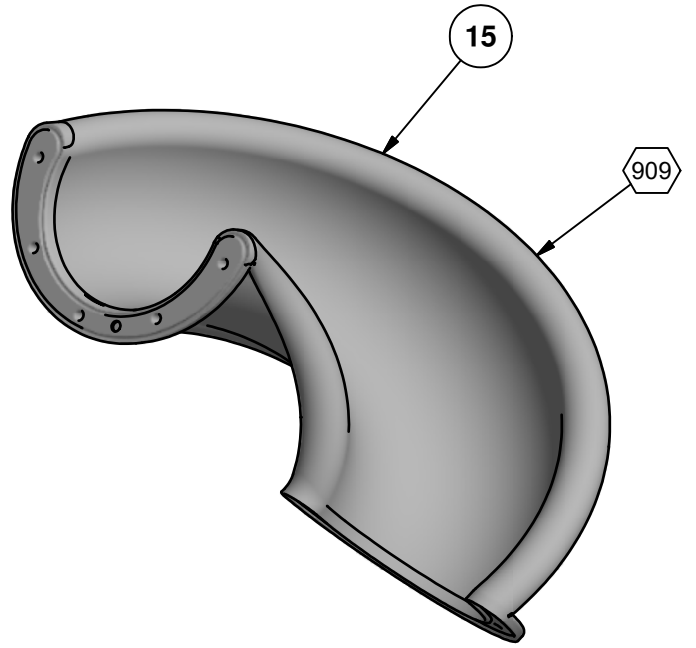
ASSEMBLY DRAWING
90705 SHOWN



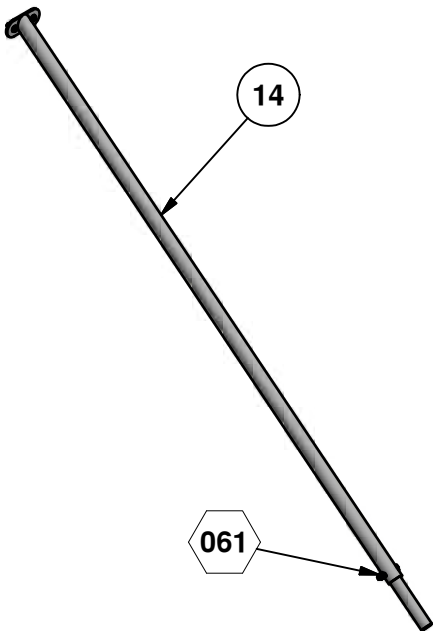
ASSEMBLY DRAWING
90706 SHOWN



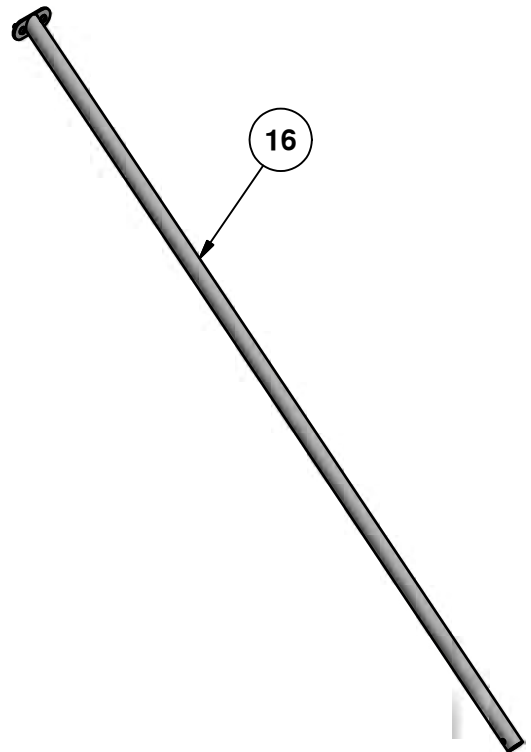
ASSEMBLY DRAWING
90707 SHOWN



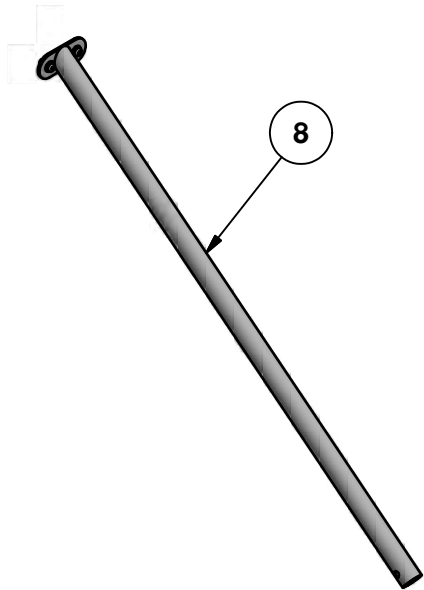
ASSEMBLY DRAWING
90708 SHOWN



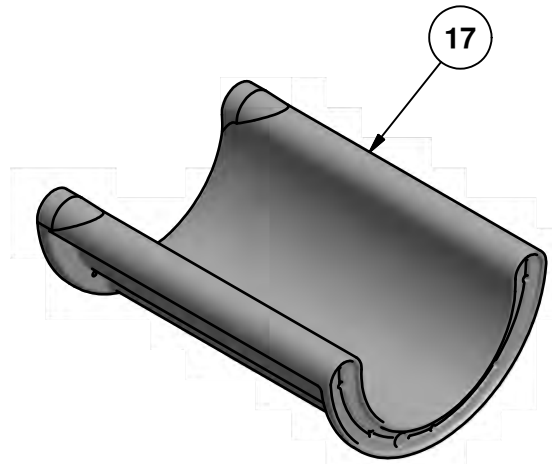
ASSEMBLY DRAWING
90709 SHOWN



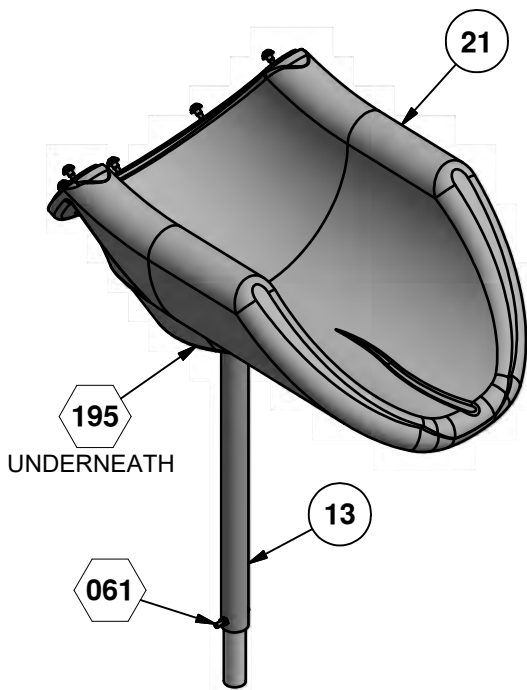
ASSEMBLY DRAWING
90710 SHOWN



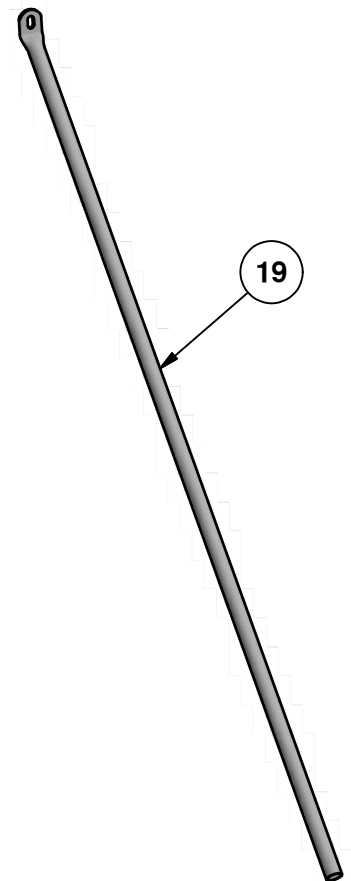
ASSEMBLY DRAWING
90718 SHOWN



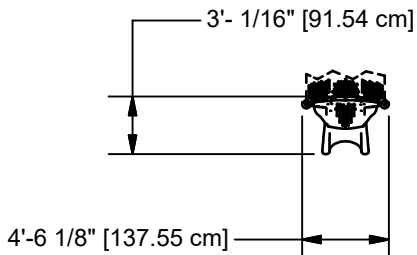
ASSEMBLY DRAWING
90729 SHOWN



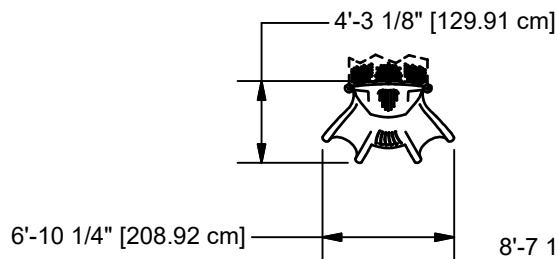
ASSEMBLY DRAWING
90762 SHOWN



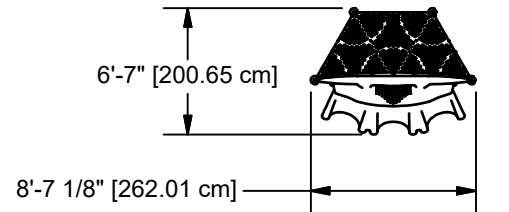
ASSEMBLY DRAWING
90776 SHOWN



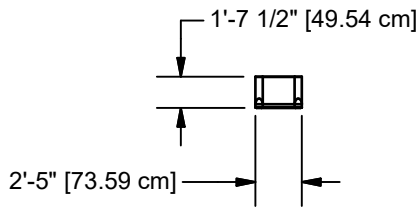
90700



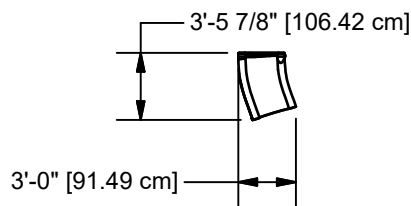
90701



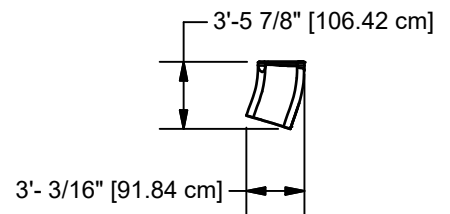
90763 / 90764



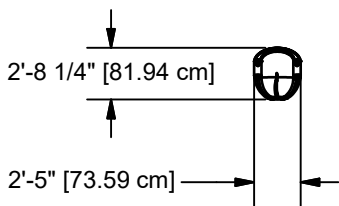
90703



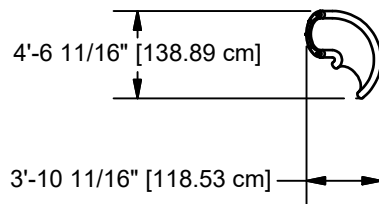
90704



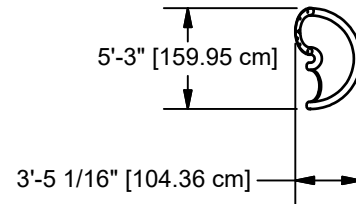
90705



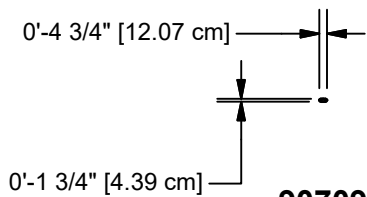
90706



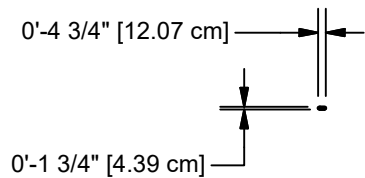
90707



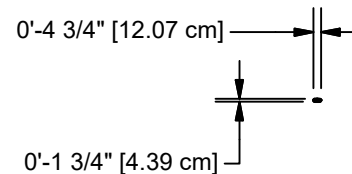
90708



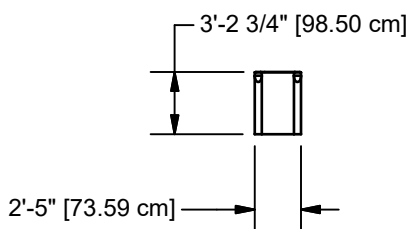
90709



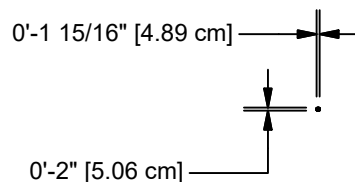
90710



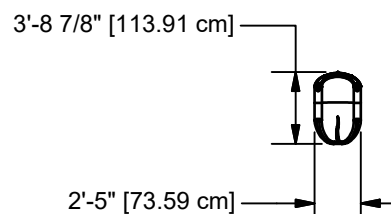
90718



90729

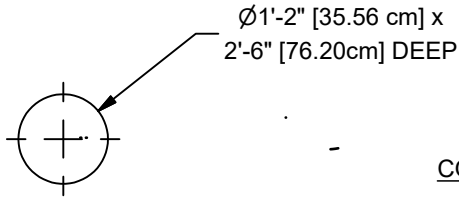


90776



90762

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

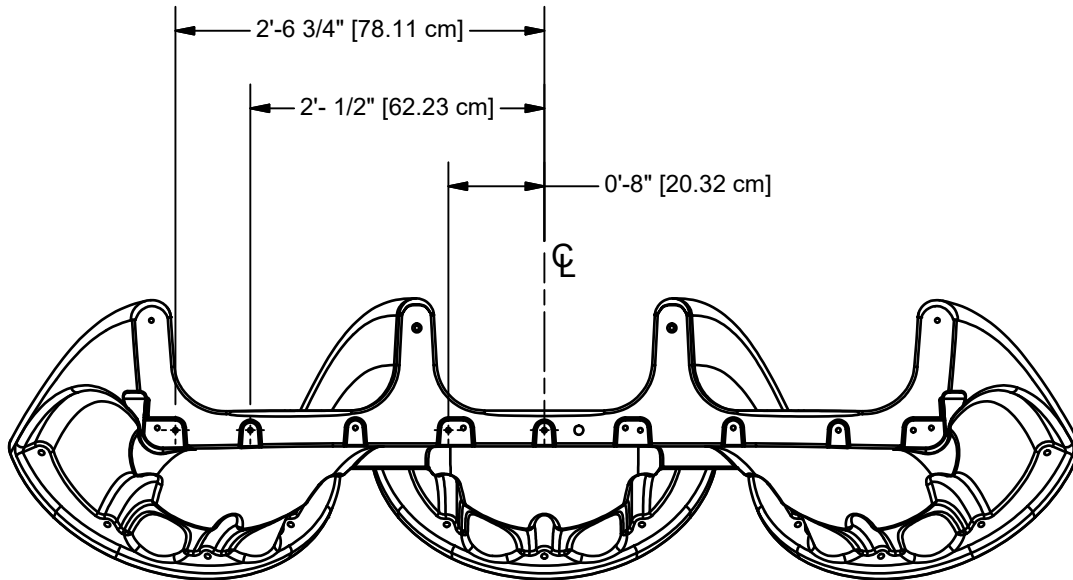


CONCRETE REQUIRED:
 .06 CUBIC YARDS
 [.05 CUBIC METERS]

PER GROUND HOLE
 (DETERMINED BY CONFIGURATION)

NOTE:
 NUMBER OF GROUND HOLES REQUIRED
 WILL BE DETERMINED BY SLIDE CONFIGURATION.

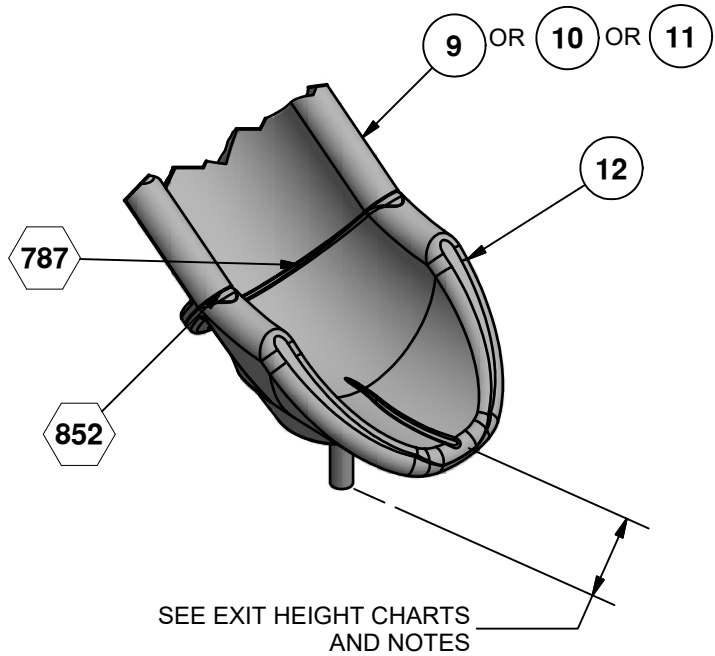
GROUND PLAN



NOTE: USE THESE INSERTS TO ATTACH TRIPLE ENTRANCE TO PLATFORM. CLEAN OUT HOLE LOCATIONS ON PLATFORM TO MATCH DIMENSIONS

TRIPLE ENTRANCE HOLE PATTERN DETAIL

EXIT HEIGHT CHART	
DECK HEIGHT	EXIT HEIGHT
3'-0"	7 1/4" [18.42cm]
3'-6"	13 1/4" [33.66cm]
4'-0"	7 1/4" [18.42 cm]
4'-6"	13 1/4" [33.66 cm]
5'-0"	7 1/4" [18.42cm]
5'-6"	13 1/4" [33.66 cm]
6'-0"	7 1/4" [18.42 cm]
6'-6"	13 1/4" [33.66 cm]
7'-0"	7 1/4" [18.42 cm]
7'-6"	13 1/4" [33.66 cm]
8'-0"	7 1/4" [18.42cm]



NOTE: CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED

SEE EXIT HEIGHT CHARTS AND NOTES

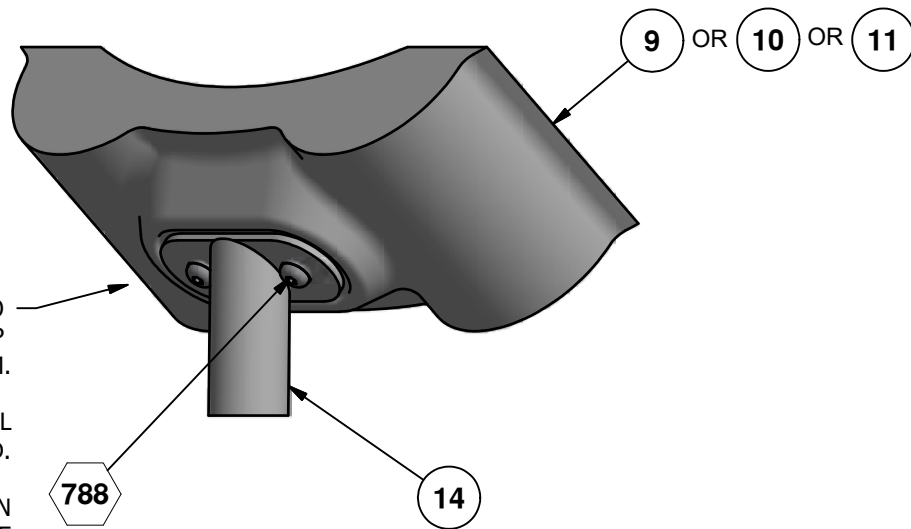
NOTE:
IF YOUR BUILDING A SINGLE ENTRANCE STRAIGHT SLIDE YOUR EXIT HEIGHT WILL BE AS FOLLOWS:

DECK HEIGHT	EXIT HEIGHT
7'-0"	8 3/4" [22.23cm]
7'-6"	14 3/4" [37.47cm]
8'-0"	11" [27.94cm]

NOTE:
IF YOUR BUILDING A TRIPLE ENTRANCE STRAIGHT SLIDE IN THE CENTER YOUR EXIT HEIGHT WILL BE AS FOLLOWS:

DECK HEIGHT	EXIT HEIGHT
7'-0"	8 1/4" [20.96cm]
7'-6"	14 1/4" [36.20 cm]
8'-0"	10" [25.40 cm]

EXIT SECTION ASSEMBLY DRAWING



NOTE: SUPPORT ATTACHES TO THE THIRD MOUNTING PAD UP FROM THE BOTTOM.

EXCEPT WHEN A HELIX SPRAL IS USED.

IF HELIX SPIRAL IS USED THEN SUPPORT WILL ATTACH TO THE FIRST DOWNWARD HELIX SPIRAL.

SLIDE SUPPORT ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

SINGLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Single 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 and 852. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
6. Once all sections are bolted together, hand tight, install the slide to the Single 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 two bolts first, the bottom single bolt second, then the remaining two 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 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 support using Detail 788 (if required).
NOTE: Support attaches to the third mounting pad up from the bottom.
11. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
12. Attach Outrigger to Spirals if required using Detail 840.

DOUBLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Double Zip Slide Hood using Detail 675.
4. Attach Footbucks to Exit Sections using Detail 195.
5. Attach the Double Entrance Section using Detail 356 and Detail 428.
6. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787 and 852. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
7. Once all sections are bolted together, hand tight, install the slides to the Double Entrance Section using Detail 787 and 852.
8. Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown, See Figure #1.
9. 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.
10. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 8 and 9 until seams are properly fitted.
11. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 788 (if required).
NOTE: Support attaches to the third mounting pad up from the bottom.
12. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
13. Attach Outrigger to Spirals if required using Detail 840.

TRIPLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Hex Deck to Uprights using Detail 030.
4. Attach Triple Slide Hood using Detail 675.
5. Attach Footbucks to Exit Sections using Detail 195.
6. Attach the Triple Entrance Section using Detail 356 and Detail 428.
7. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787 and 852. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
8. Once all sections are bolted together, hand tight, install the slides to the Triple Entrance Section using Detail 787 and 852.
9. Starting at the top section, tighten the five bolts with a wrench. Tighten the top two bolts first, the bottom single bolt second, then the remaining two bolts as shown, See Figure #1.
- 10.. 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.
11. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 9 and 10 until seams are properly fitted.
12. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 788 (if required).
NOTE: Support attaches to the third mounting pad up from the bottom.
13. Use Detail 789 to plug inserts in Straight and Curved Sections as required.
14. Attach Outrigger to Spirals if required using Detail 840.

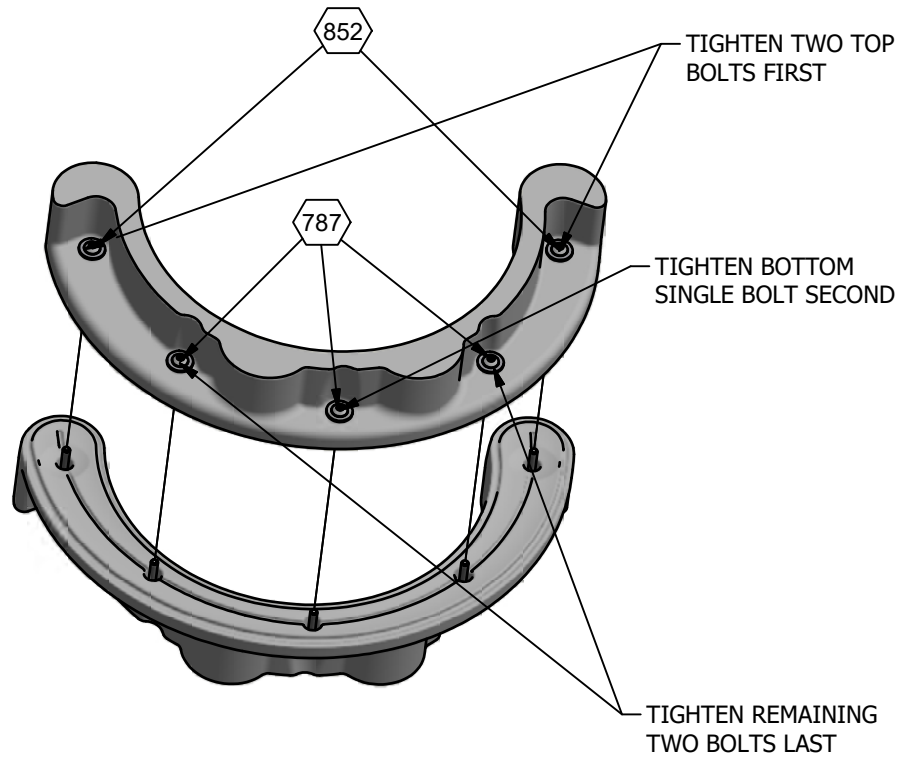


FIGURE #1

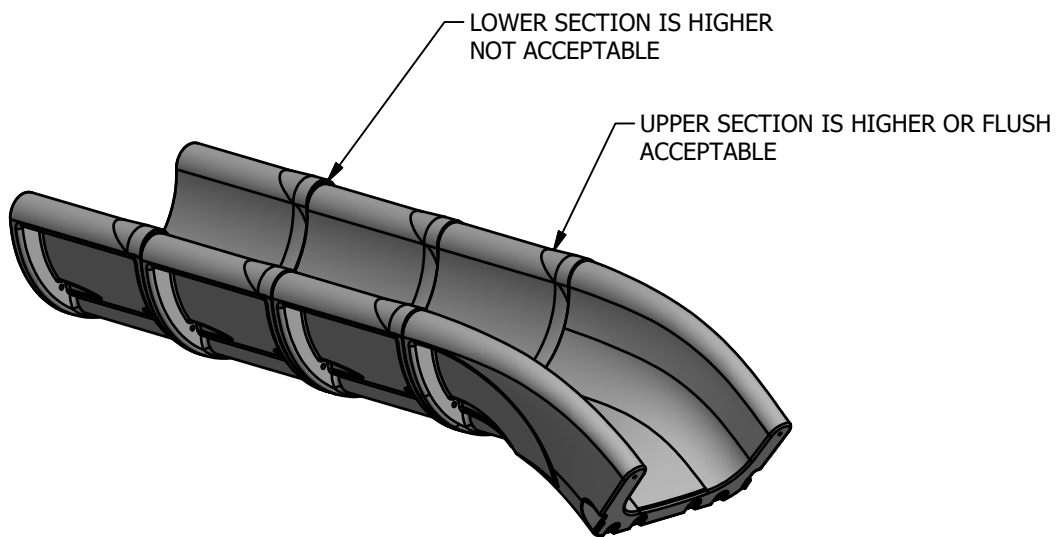


FIGURE #2

Parts List										
REF.	DESCRIPTION	90700	90701	90763	90703	90704	90705	90706	90707	PART NUMBER
1	SINGLE ZIP SLIDE HOOD	1	0	0	0	0	0	0	0	203858
2	SINGLE ENTRANCE SECTION	1	0	0	0	0	0	0	0	205960
3	DOUBLE ZIP SLIDE HOOD	0	1	0	0	0	0	0	0	203860
4	DOUBLE ENTRANCE SECTION	0	1	0	0	0	0	0	0	206167
5	TRIPLE SLIDE HOOD	0	0	1	0	0	0	0	0	207656
6	TRIPLE ENTRANCE SECTION	0	0	1	0	0	0	0	0	206168
7	COATED TWO PIECE HEX DECK	0	0	1	0	0	0	0	0	204318
8	SUPPORT ASS'Y	0	0	0	0	0	0	0	0	208976
9	STRAIGHT SECTION	0	0	0	1	0	0	0	0	205962
10	CURVED LEFT SECTION	0	0	0	0	1	0	0	0	205963
11	CURVED RIGHT SECTION	0	0	0	0	0	1	0	0	205964
12	EXIT SECTION	0	0	0	0	0	0	1	0	206179
13	FOOTBUCK WELD ASS'Y	0	0	0	0	0	0	1	0	204879
14	SUPPORT ASS'Y	0	0	0	0	0	0	0	0	312634
15	HELIX SPIRAL	0	0	0	0	0	0	0	0	206170
16	SUPPORT ASS'Y	0	0	0	0	0	0	0	0	312637
17	DOUBLE STRAIGHT SECTION	0	0	0	0	0	0	0	0	207601
18	COATED TWO PIECE HEX DECK ADA	0	0	0	0	0	0	0	0	204533
19	OUTRIGGER	0	0	0	0	0	0	0	0	209049
20	HELIX SPIRAL 140 DEGREES	0	0	0	0	0	0	0	1	210735
	HARDWARE COMPLETE	1	0	0	0	0	0	0	1	207029
	HARDWARE COMPLETE	0	1	0	0	0	0	0	0	207030
	HARDWARE COMPLETE	0	0	1	0	0	0	0	0	209982
	HARDWARE COMPLETE	0	0	0	1	0	0	0	1	207032
	HARDWARE COMPLETE	0	0	0	0	1	1	0	0	207033
	HARDWARE COMPLETE	0	0	0	0	0	0	1	0	207035
	HARDWARE COMPLETE	0	0	0	0	0	0	0	0	207036
	HARDWARE COMPLETE	0	0	0	0	0	0	0	0	208396
	3/8" x 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	0	2	0	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	0	0	0	2	4	4	0	2	812050*
	3/8" x 1 1/2" P.B.H.C.S.	0	0	12	0	0	0	0	0	810053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	4	6	0	0	0	0	0	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	0	0	0	0	0	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	0	0	0	0	0	812058*
	3/8" x 3 1/2" HEX HEAD BOLT	0	0	0	0	0	0	1	0	801013*
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	0	0	0	0	0	0	801009*
	3/8" LOCK WASHER	6	8	22	0	0	0	3	0	817334*
	3/8" FLATWASHER	0	0	0	0	0	0	2	0	817410*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	0	0	0	0	0	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	6	20	0	0	0	0	0	817424*
	3/8 BARREL NUT	0	0	0	10	10	10	10	10	804804*
	3/8" HEX NUT	0	0	0	0	0	0	1	0	804053*
	1/2" LOCKWASHER	0	0	0	10	10	10	10	10	817342*
	1/2" FLATWASHER	0	0	0	10	10	10	10	10	817412*
	3/8" x 2 1/2" THREADED STUD	0	0	0	5	5	5	5	5	803583*
	6" EXTENSION	0	0	0	0	0	0	1	0	151080*
	EXTENSION LEG	0	0	0	0	0	0	0	0	152110*
	1/2" FLAT WASHER(1 3/8" O.D.)	0	0	0	4	4	4	4	4	817425*

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

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

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

Parts List										
REF.	DESCRIPTION	90708	90709	90710	90718	90762	90764	90729	90776	PART NUMBER
1	SINGLE ZIP SLIDE HOOD	0	0	0	0	0	0	0	0	203858
2	SINGLE ENTRANCE SECTION	0	0	0	0	0	0	0	0	205960
3	DOUBLE ZIP SLIDE HOOD	0	0	0	0	0	0	0	0	203860
4	DOUBLE ENTRANCE SECTION	0	0	0	0	0	0	0	0	206167
5	TRIPLE SLIDE HOOD	0	0	0	0	0	1	0	0	207656
6	TRIPLE ENTRANCE SECTION	0	0	0	0	0	1	0	0	206168
7	COATED TWO PIECE HEX DECK	0	0	0	0	0	0	0	0	204318
8	SUPPORT ASS'Y	0	0	0	1	0	0	0	0	208976
9	STRAIGHT SECTION	0	0	0	0	0	0	0	0	205962
10	CURVED LEFT SECTION	0	0	0	0	0	0	0	0	205963
11	CURVED RIGHT SECTION	0	0	0	0	0	0	0	0	205964
12	EXIT SECTION	0	0	0	0	0	0	0	0	206179
13	FOOTBUCK WELD ASS'Y	0	0	0	0	1	0	0	0	204879
14	SUPPORT ASS'Y	0	1	0	0	0	0	0	0	312634
15	HELIX SPIRAL	1	0	0	0	0	0	0	0	206170
16	SUPPORT ASS'Y	0	0	1	0	0	0	0	0	312637
17	DOUBLE STRAIGHT SECTION	0	0	0	0	0	0	1	0	207601
18	COATED TWO PIECE HEX DECK ADA	0	0	0	0	0	1	0	0	204533
19	OUTRIGGER	0	0	0	0	0	0	0	1	209049
21	EXIT SECTION	0	0	0	0	1	0	0	0	211303
	HARDWARE COMPLETE	0	0	0	0	0	0	0	0	207029
	HARDWARE COMPLETE	0	0	0	0	0	0	0	0	207030
	HARDWARE COMPLETE	0	0	0	0	0	1	0	0	209982
	HARDWARE COMPLETE	1	0	0	0	0	0	0	0	207032
	HARDWARE COMPLETE	0	0	0	0	0	0	1	0	207033
	HARDWARE COMPLETE	0	0	0	0	1	0	0	0	207035
	HARDWARE COMPLETE	0	1	0	0	0	0	0	0	207036
	HARDWARE COMPLETE	0	0	1	1	0	0	0	0	208396
	3/8" x 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	2	0	0	0	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	0	0	4	0	812050*
	3/8" x 1 1/2" P.B.H.C.S.	0	0	0	0	0	12	0	0	810053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	6	0	0	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	2	0	0	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	2	0	0	812058*
	3/8" x 3 1/2" HEX HEAD BOLT	0	0	0	0	1	0	0	0	801013*
	3/8" x 2 1/2" HEX HEAD BOLT	0	1	0	0	0	0	0	0	801009*
	3/8" LOCK WASHER	0	3	2	0	3	22	0	0	817334*
	3/8" FLATWASHER	0	2	2	0	2	0	0	0	817410*
	3/8" FLAT WASHER (1" O.D.)	0	0	0	0	0	2	0	0	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	0	0	0	0	0	20	0	0	817424*
	3/8 BARREL NUT	10	0	0	10	10	0	10	0	804804*
	3/8" HEX NUT	0	1	0	0	1	0	0	0	804053*
	1/2" LOCKWASHER	10	0	0	10	10	0	10	0	817342*
	1/2" FLATWASHER	10	0	0	10	10	0	10	0	817412*
	3/8" x 2 1/2" THREADED STUD	5	0	0	5	5	0	5	0	803583*
	6" EXTENSION	0	0	0	0	1	0	0	0	151080*
	EXTENSION LEG	0	1	0	0	0	0	0	0	152110*
	1/2" FLAT WASHER(1 3/8" O.D.)	4	0	0	0	4	0	4	0	817425*

Unless Otherwise Specified, All Units of Measure are Each

* Included in Hardware

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

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

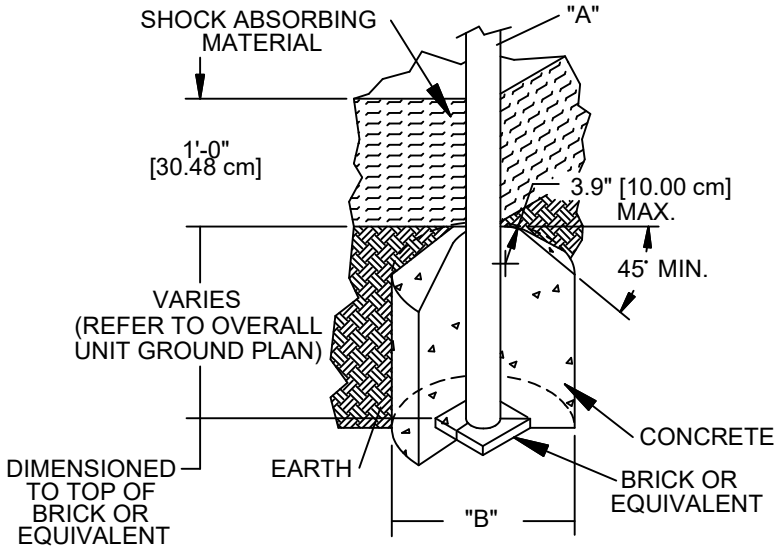
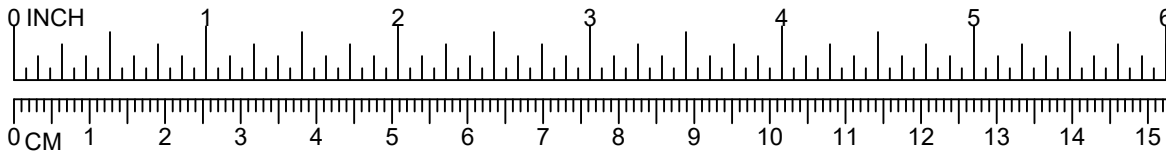
DETAILS -for- 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

IMPORTANT

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

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

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



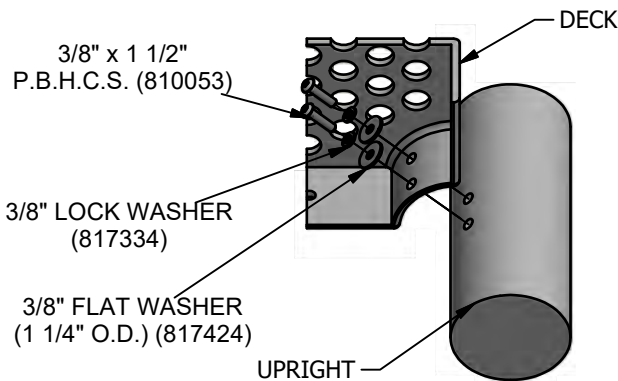
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

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

032

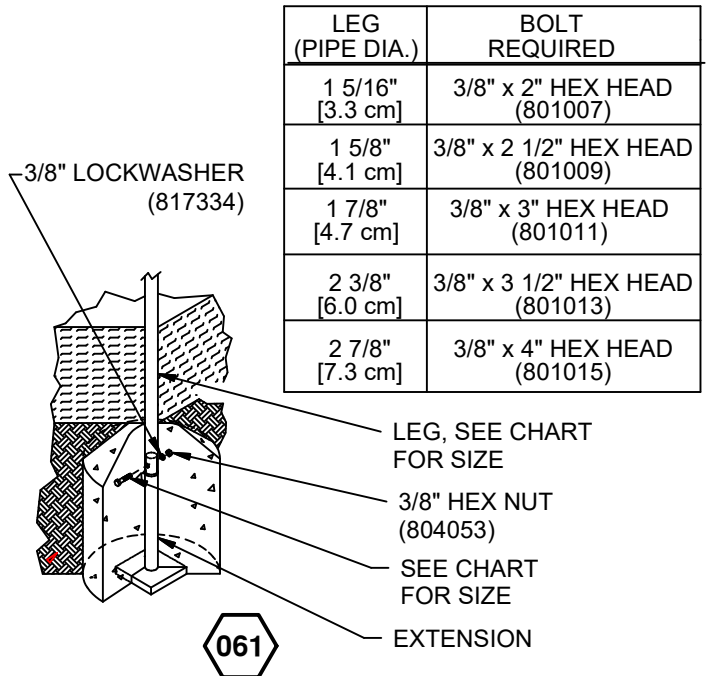
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



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

030

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



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

061

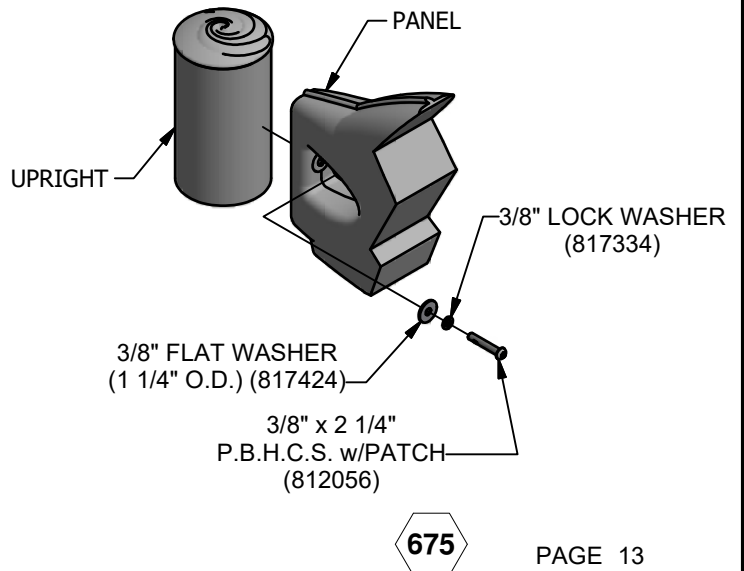
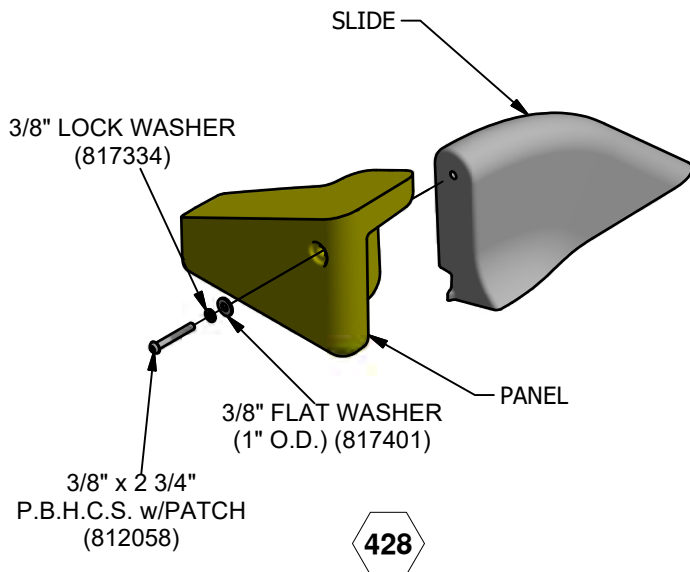
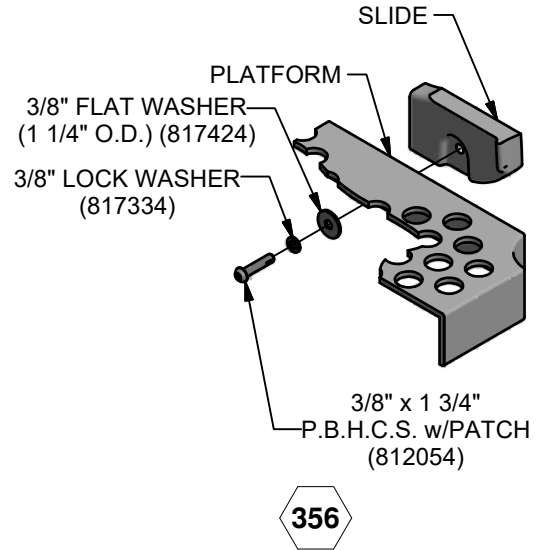
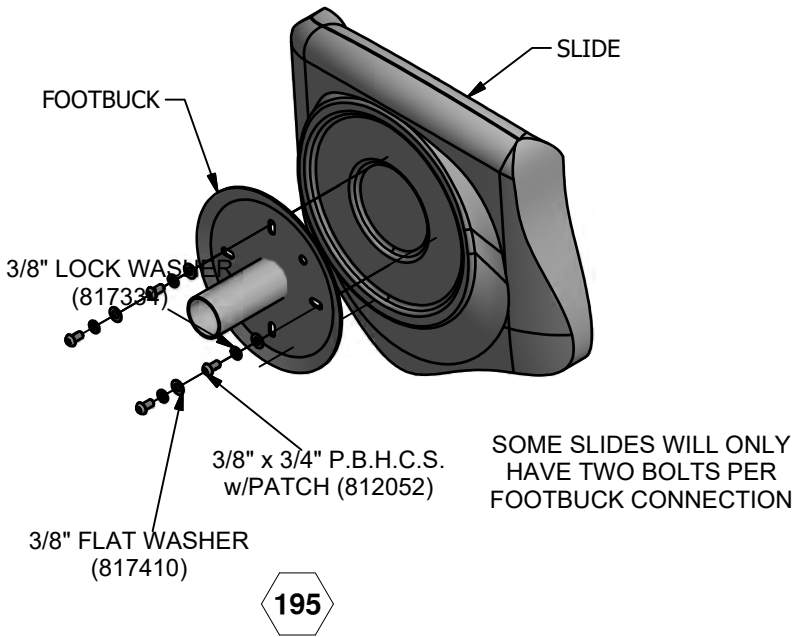
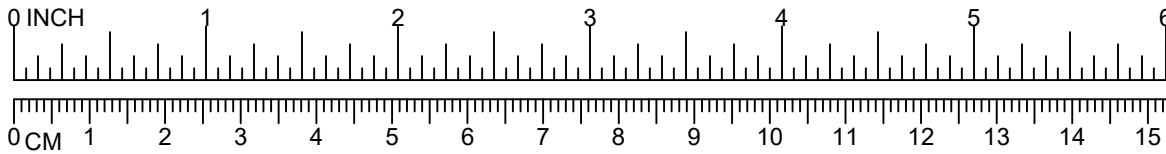
DETAILS -for- 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

IMPORTANT

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

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

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



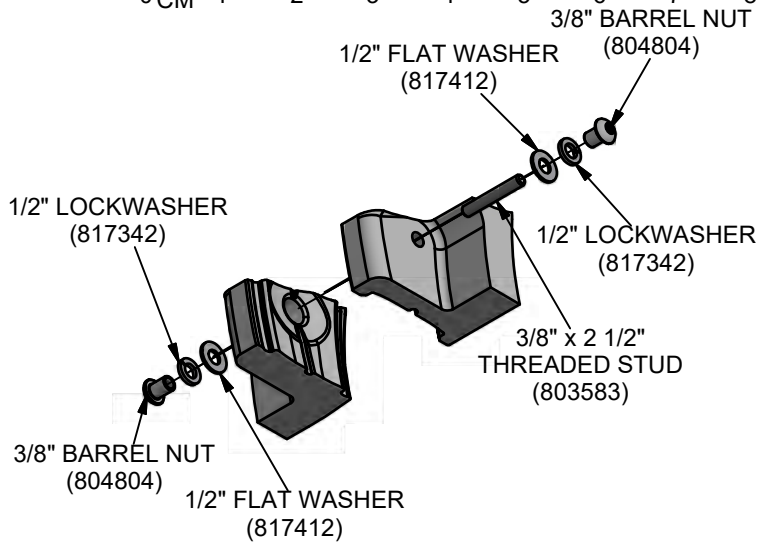
DETAILS -for- 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

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.

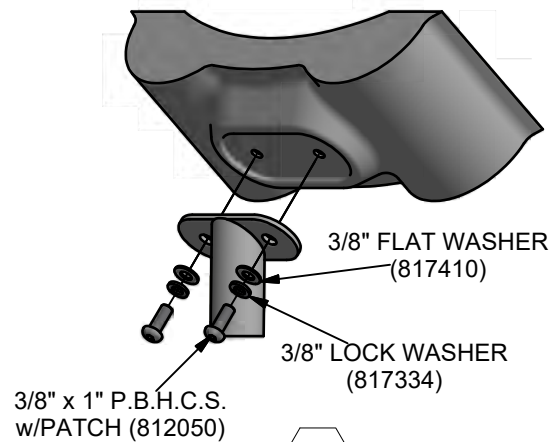
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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

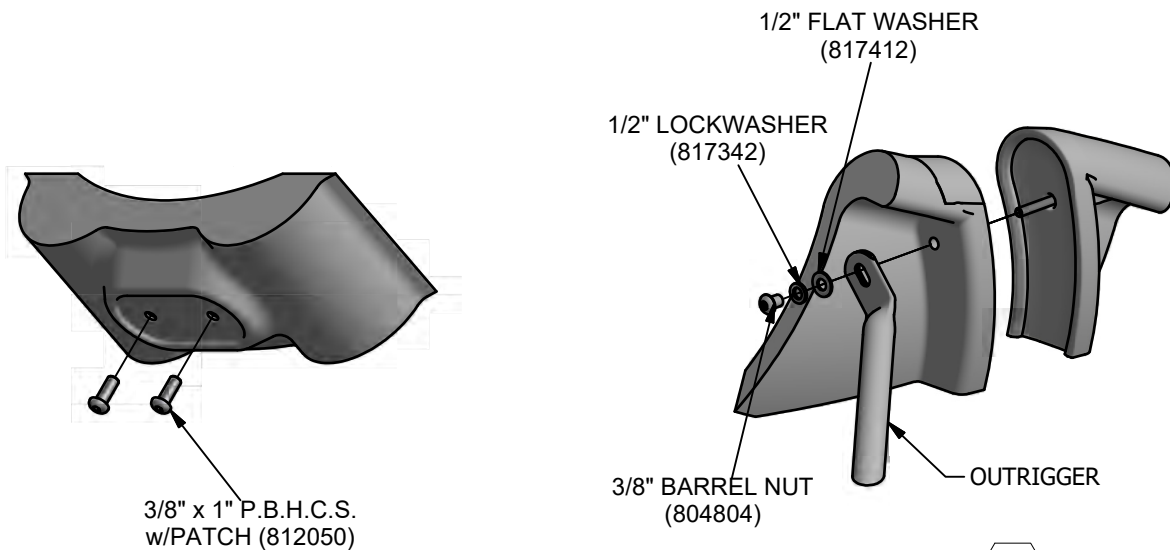


NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE

787



788



789

840

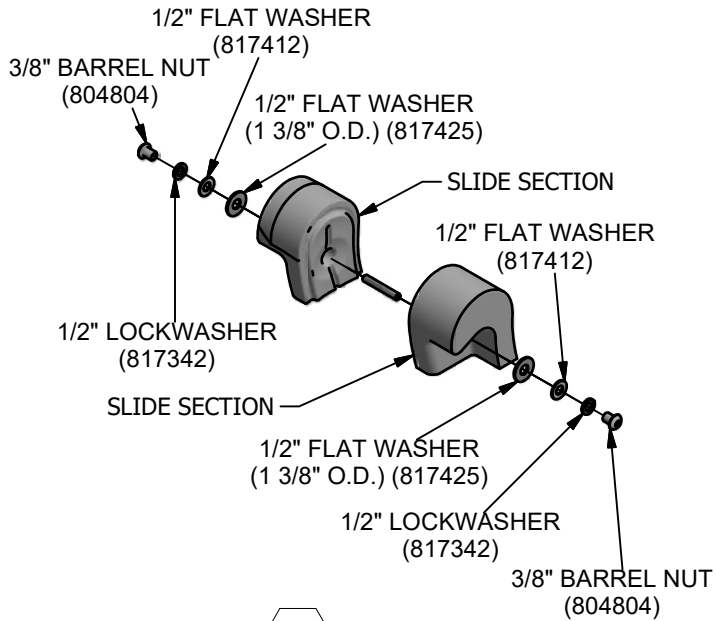
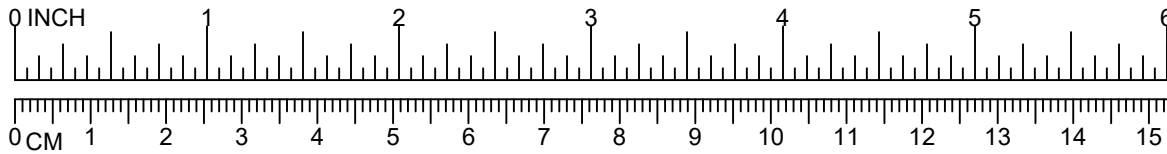
DETAILS -for- 90700, 90701, 90763, 90703 THRU 90710, 90718, 90762, 90764, 90729 & 90776.

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.

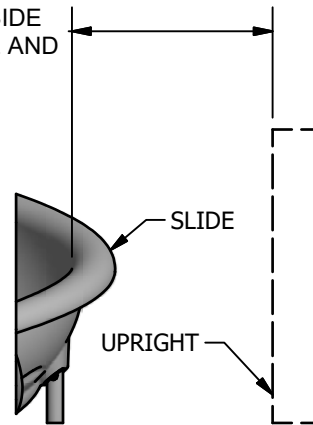
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



852

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



909

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 09/11/20

91139 ENTRYWAY

This play equipment is designed for

CHILDREN

2 TO 5

YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

91146
2'-6"
OR
BELOW

This play equipment is designed for children age

2 TO 5
OR
5 TO 12

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

91139

This play equipment is designed for

CHILDREN

5 TO 12

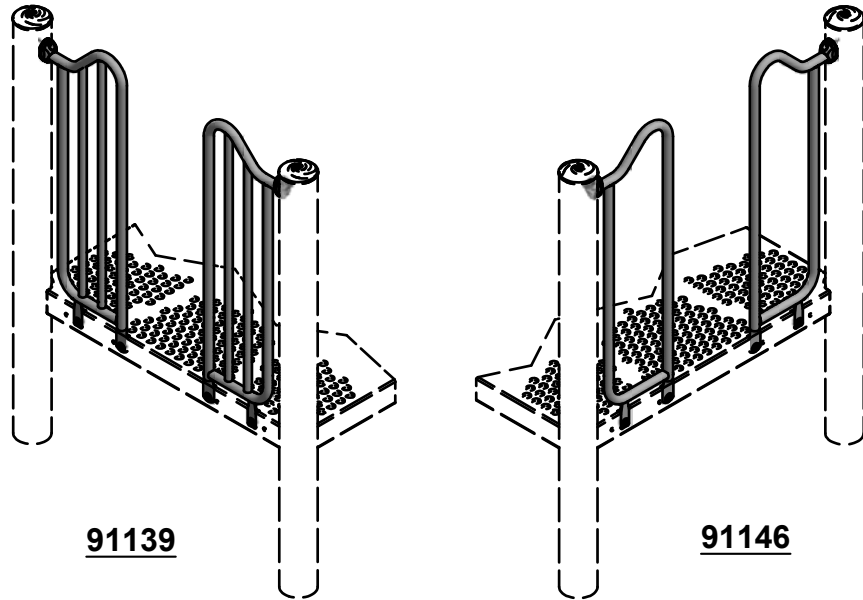
YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

91146
4'-0"
OR
BELOW

BARRIER 91139
GUARDRAIL 91146



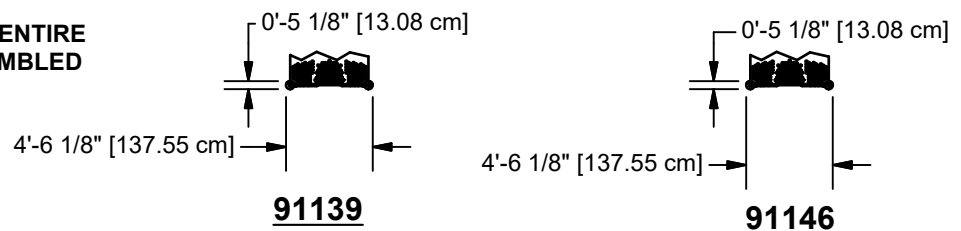
91139

91146

ASSEMBLY VIEWS

INSTALLATION INSTRUCTIONS

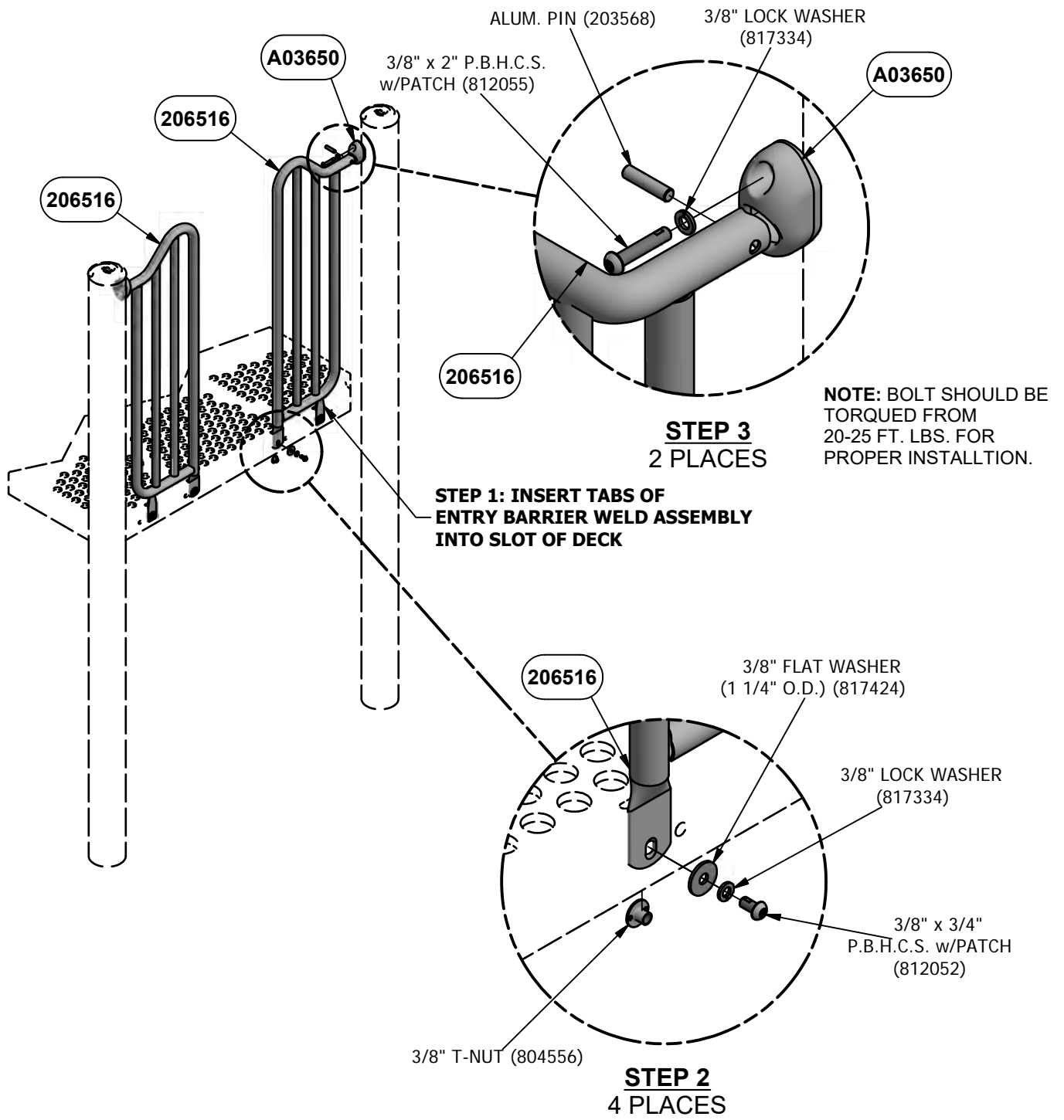
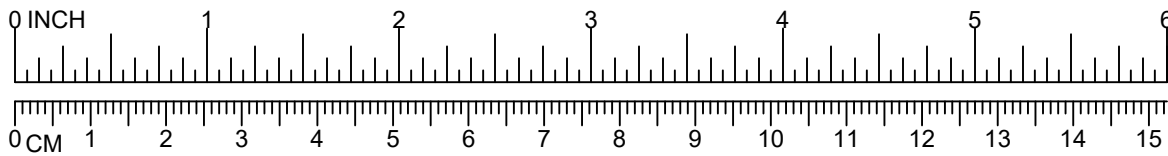
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (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
HARDWARE COMPLETE	1	1	206587
ALUM. PIN	2	2	203568*
3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
3/8" LOCK WASHER	6	6	817334*
3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
3/8" T-NUT	4	4	804556*
3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*

*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: 10/18/13

91208 CLIMBER ENTRYWAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



91208
2'-6"
OR
BELOW

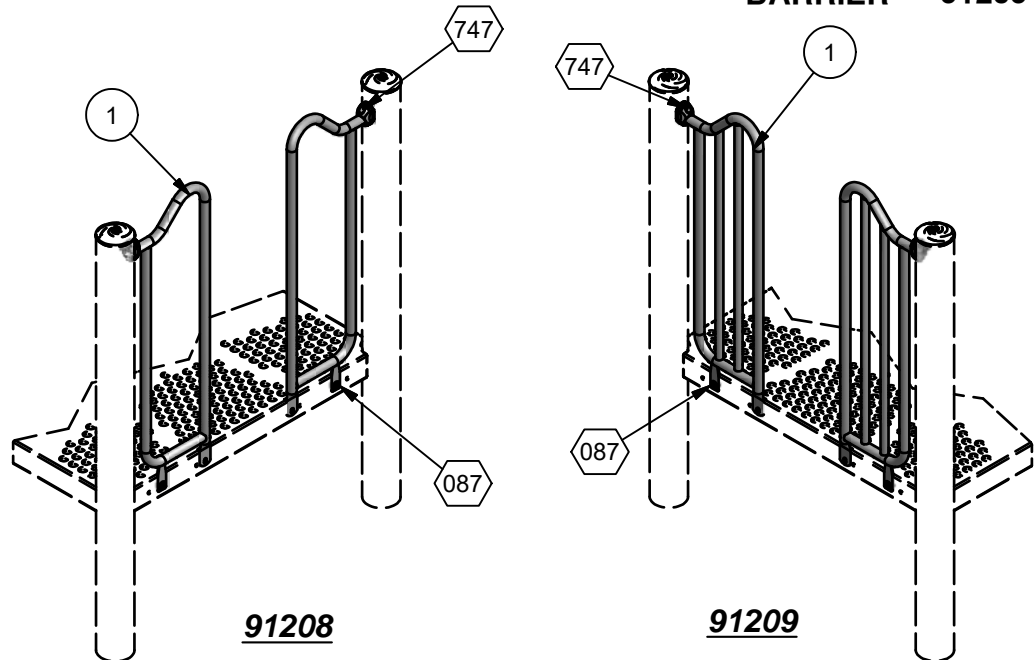


91209



91208
4'-0"
OR
BELOW

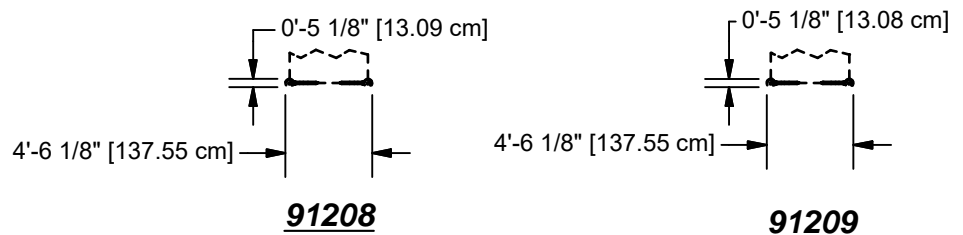
GUARDRAIL 91208
BARRIER 91209



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.



TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91208	91209	PART NUMBER
1	GUARDRAIL ENTRY	2	0	206002
1	ENTRY BARRIER	0	2	206516
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	1	207039
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	4	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
	3/8" T-NUT	2	2	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*

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.

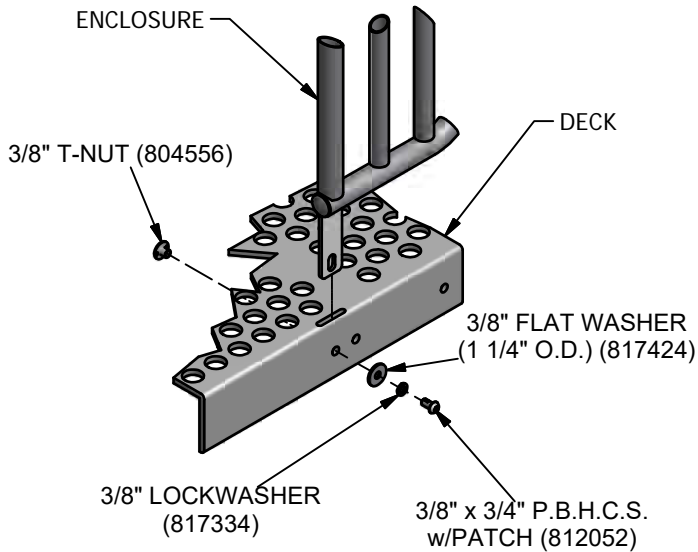
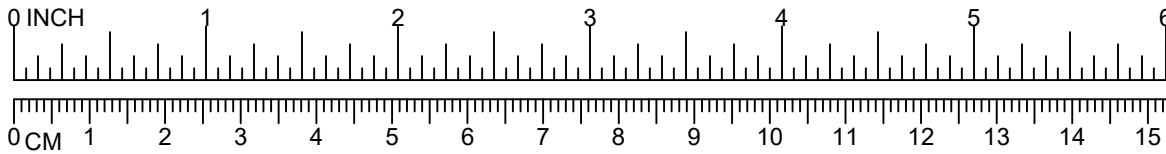
DETAILS -for- 91208 AND 91209

IMPORTANT

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

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

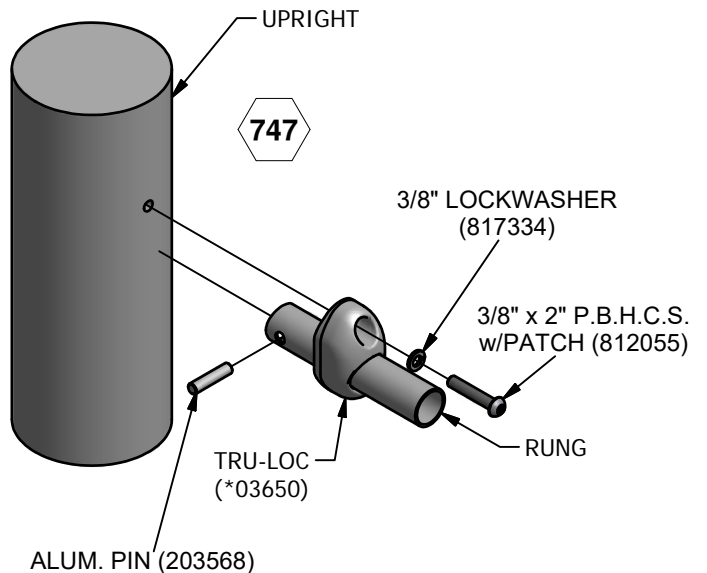
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

087

(* = A OR Z)







Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 3/24/10

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

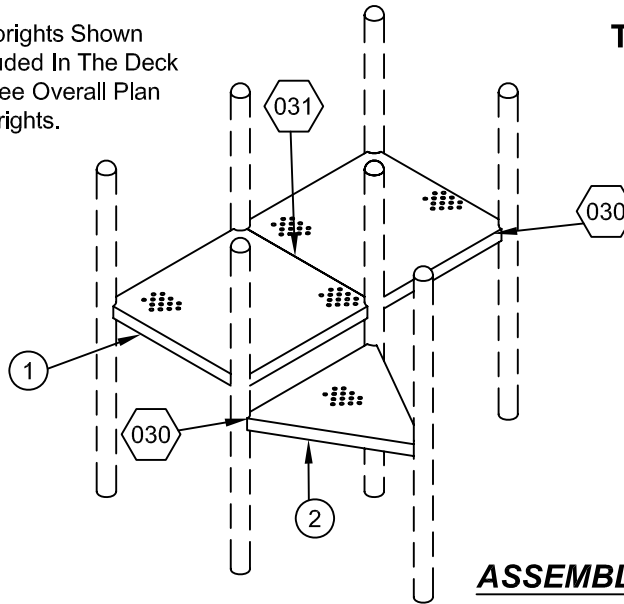
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 80000
TRIANGLE 80001

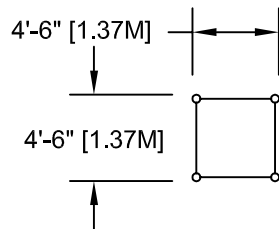
**INSTALLATION
INSTRUCTIONS**

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

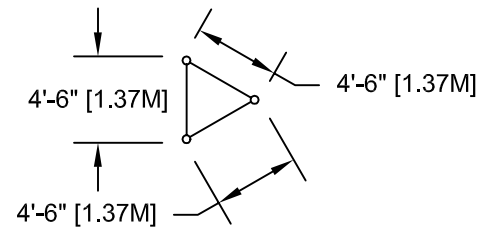
NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING



80000



80001

TOP VIEWS

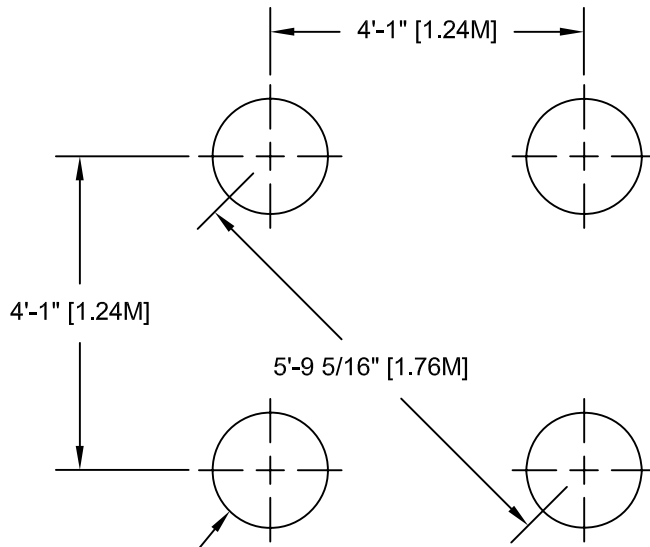
PARTS LIST

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

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



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

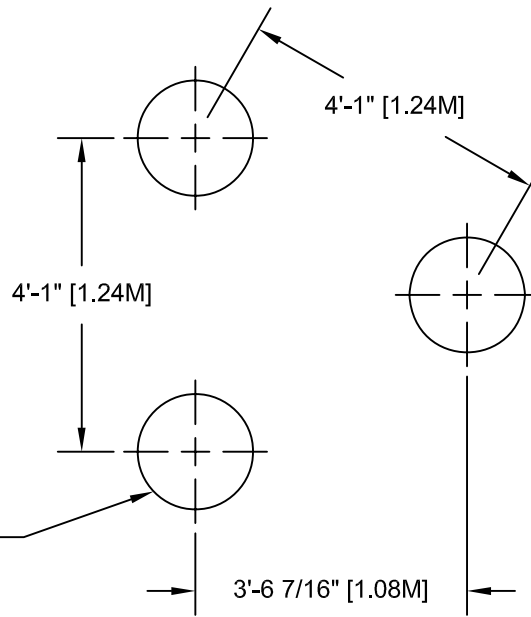


1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

80000

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

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



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

80001

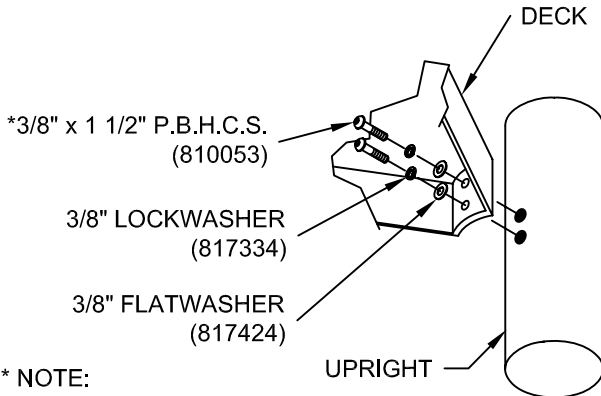
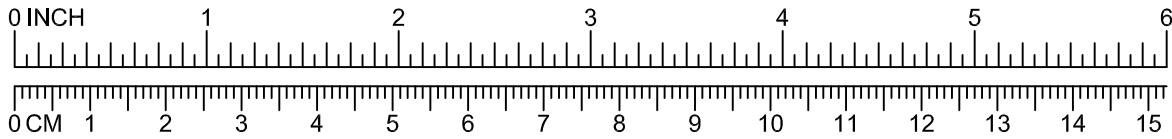
GROUND PLANS

DETAILS -for- 80000 & 80001

IMPORTANT

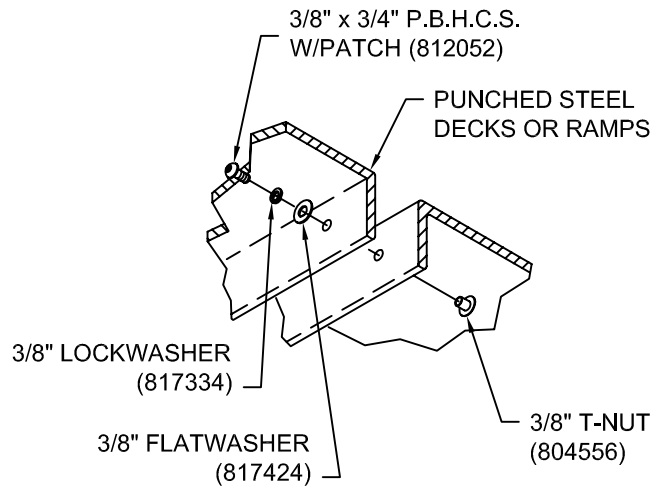
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



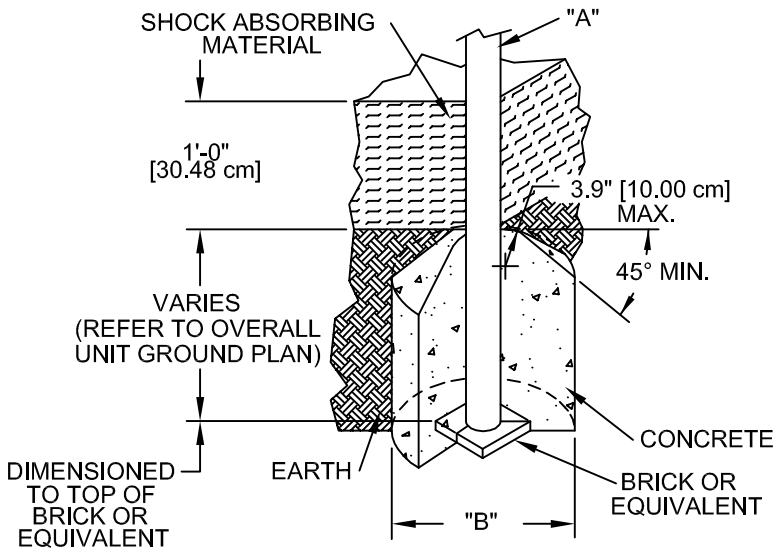
* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

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



030

031



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

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

032

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

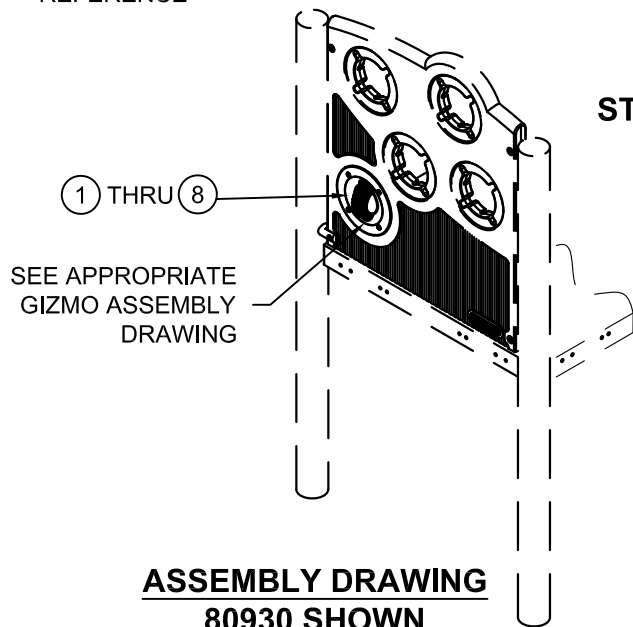
APPENDIX A:

Norman Clayton Park

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**

ISSUED/REVISED: 6/3/20

⬡ = INSTALLATION
 DETAIL
 ○ = PARTS LIST
 REFERENCE



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

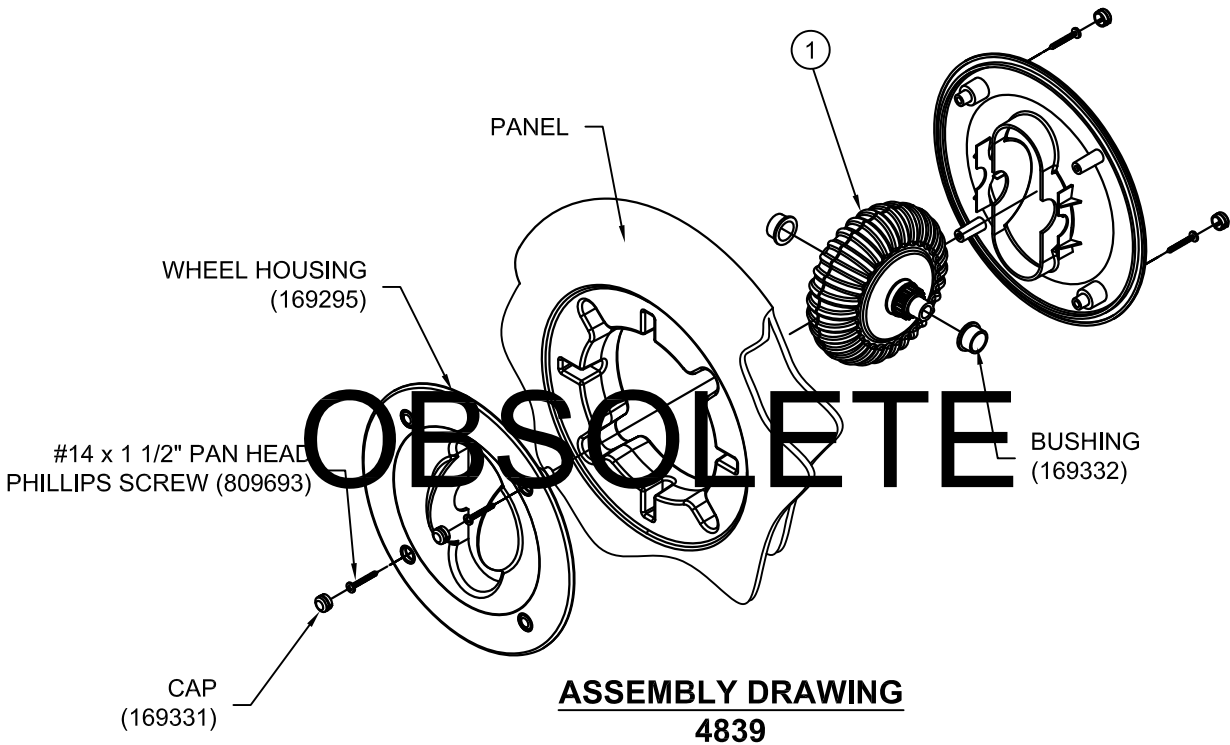
PARTS LIST

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

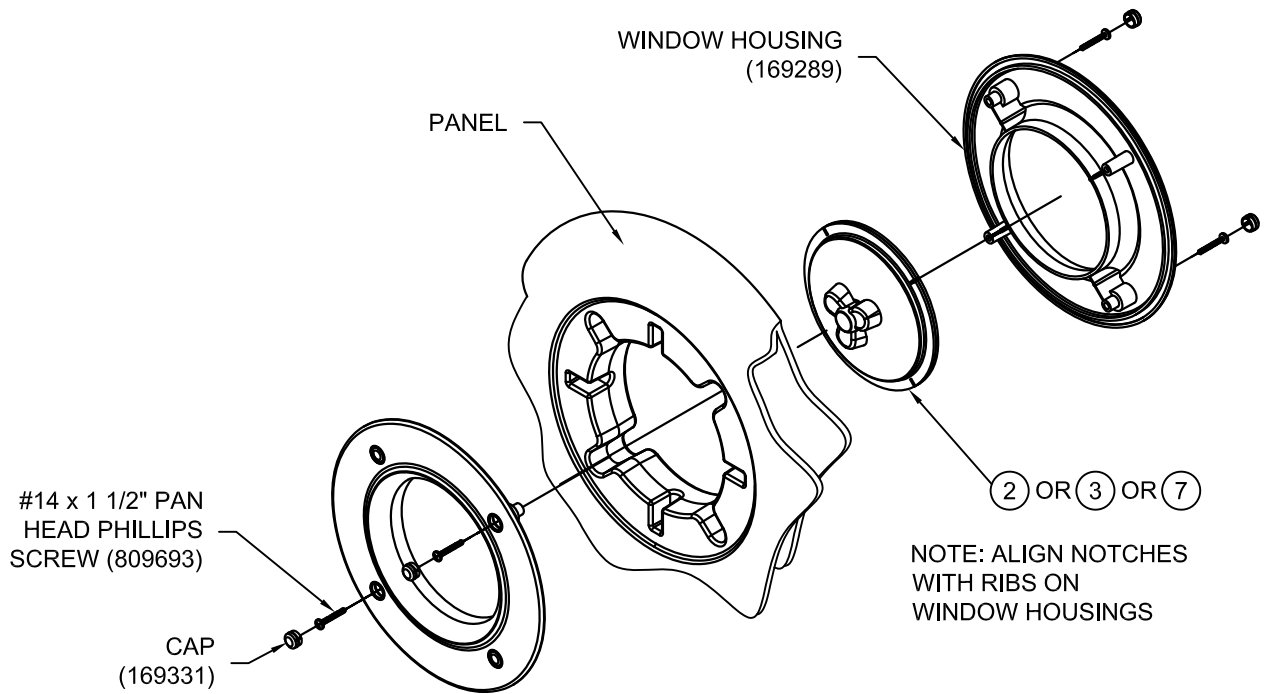
*Unless Otherwise Specified, All Units of Measure are Each
 ** Included in Assembly*

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

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



ASSEMBLY DRAWING
4839



ASSEMBLY DRAWING
4840/4841/4847

WINDOW HOUSING
(169289)

4

PANEL

CAP
(169331)

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

**ASSEMBLY DRAWING
4842**

WINDOW HOUSING
(169289)

PANEL

REMOVE PROTECTIVE FILM
FROM MIRRORS
BEFORE INSTALLATION

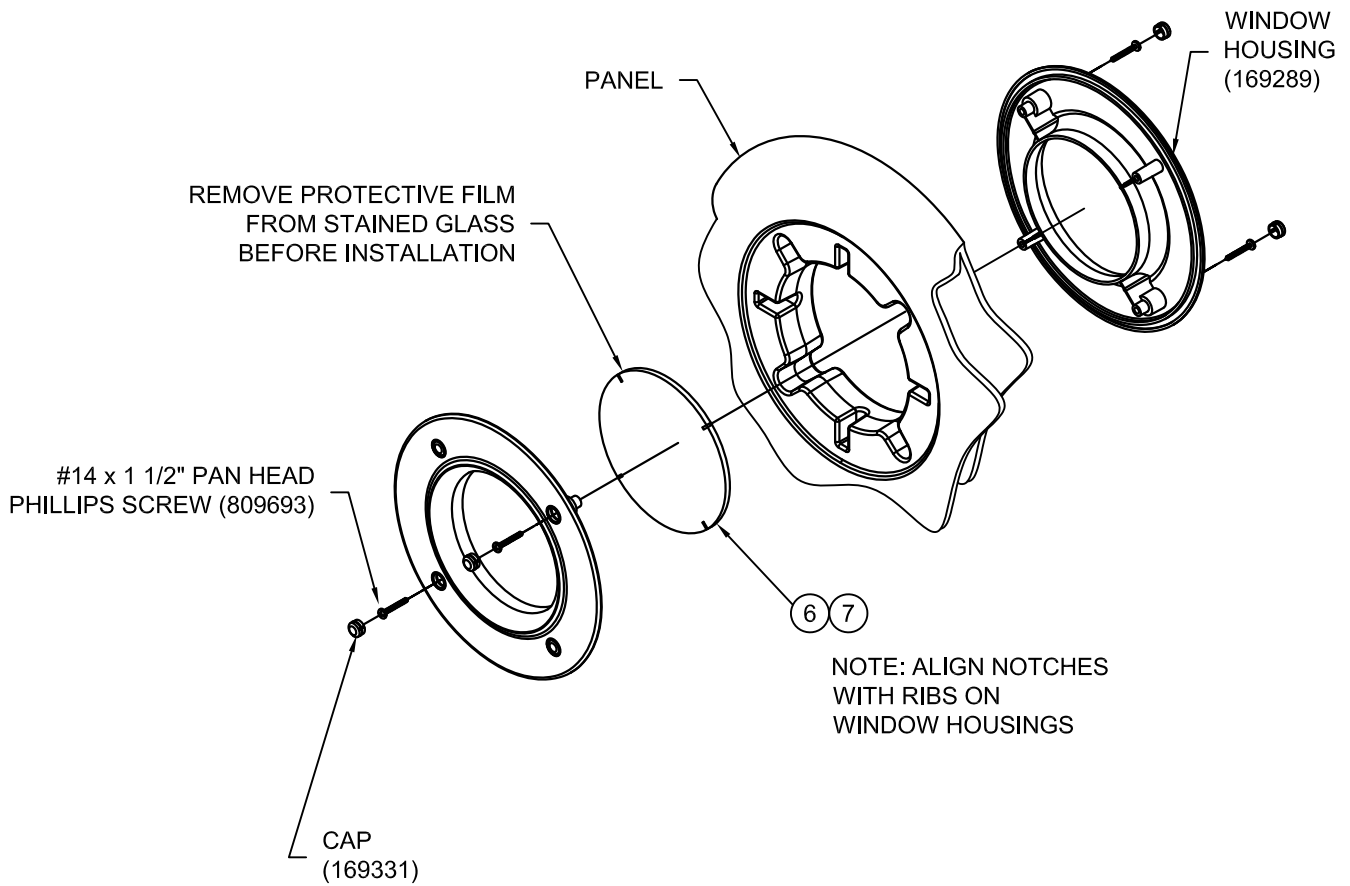
#14 x 1 1/2" PAN HEAD PHILLIPS
SCREW (809693)

CAP
(169331)

5

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

**ASSEMBLY DRAWING
4843**



ASSEMBLY DRAWING
4845/4846





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

5188

GADGET ASSEMBLIES

ISSUED/REVISED: 10/11/2019

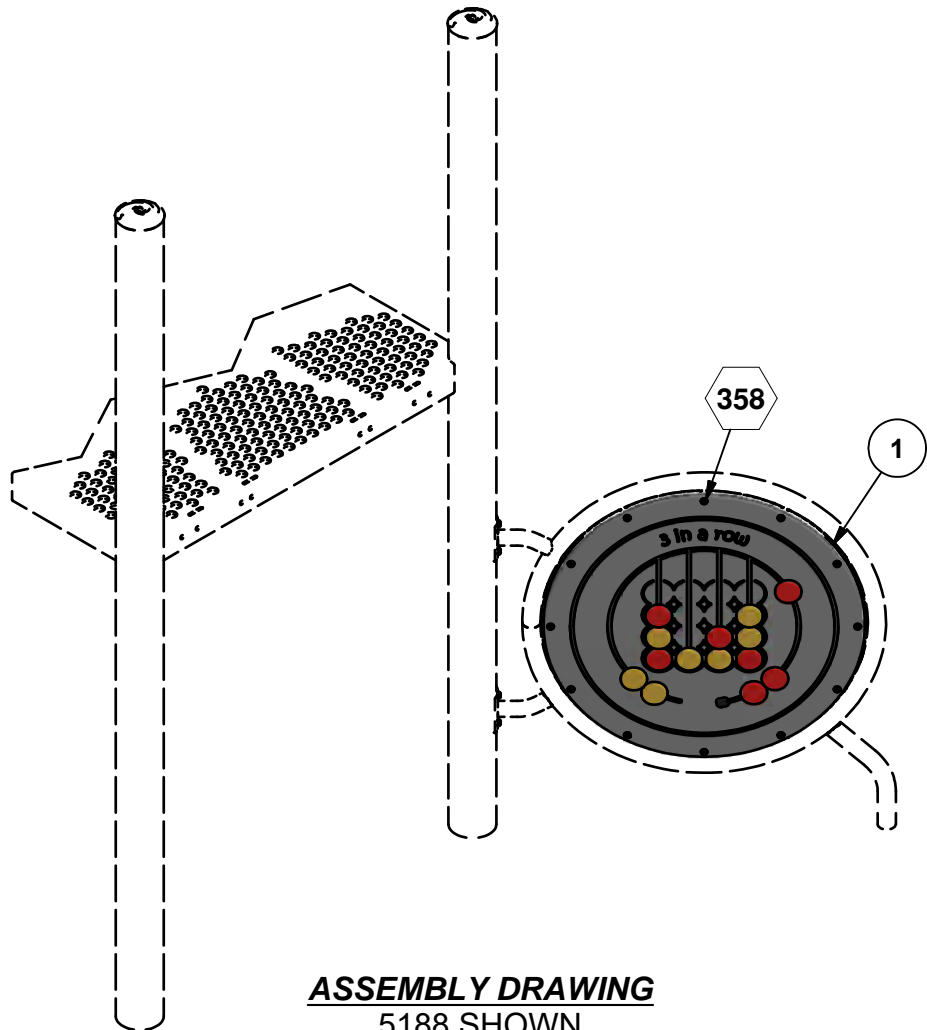
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

3 IN A ROW	5188
BUZZ REACTIONS	5189
POND EXPLORER	5190

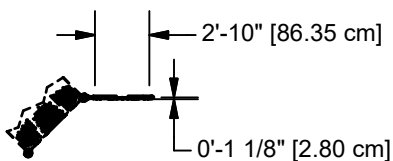


INSTALLATION INSTRUCTIONS

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
5188 SHOWN
(OTHERS SIMILAR)



TOP VIEW

Parts List					
REF	DESCRIPTION	5188	5189	5190	PART NUMBER
1	3 IN A ROW	1	0	0	218221
2	BUZZ REACTIONS	0	1	0	218242
3	POND EXPLORER	0	0	1	218243
	HARDWARE COMPLETE	1	1	1	207690
	5/16" x 1" P.B.H.C.S. w/PATCH	12	12	12	812042*
	5/16" FLAT WASHER (5/8" O.D.)	12	12	12	817406*
	5/16" LOCK WASHER	12	12	12	817330*
	5/16" T-NUT	12	12	12	804555*

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.

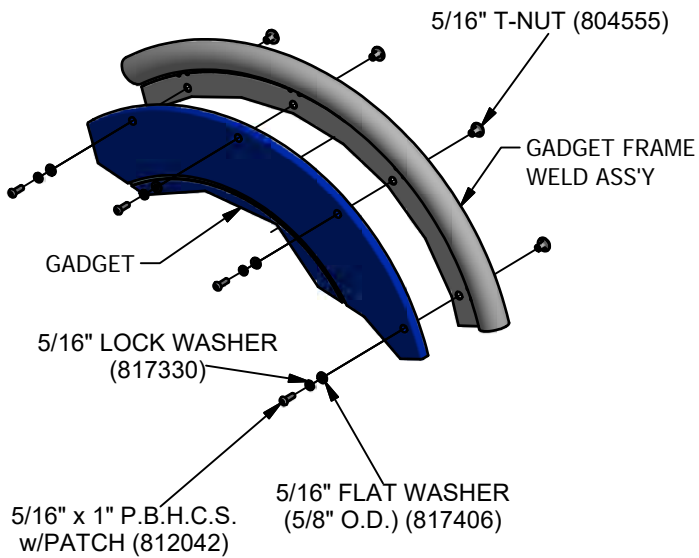
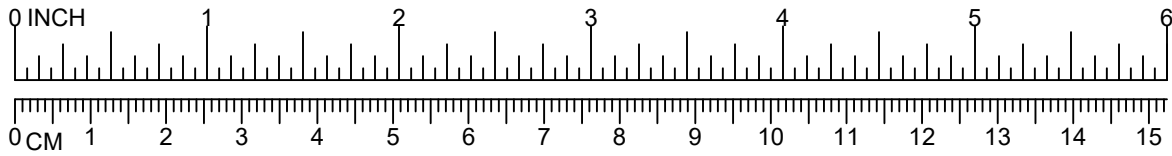
DETAILS -for- 5188

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.



358





Enriching Childhood Through Play™

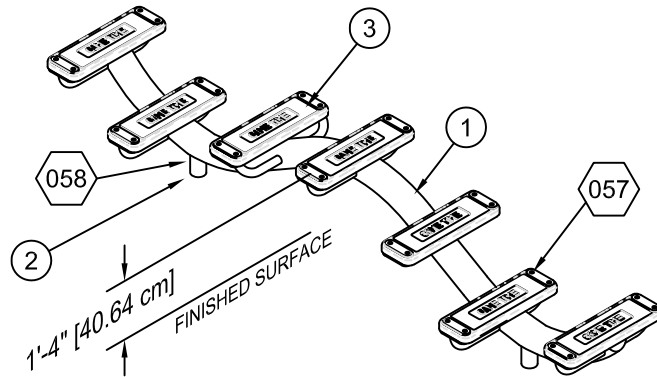
1-800-235-2440

8665

INCHWORM CLIMBER

ISSUED/REVISED: 08/17/12

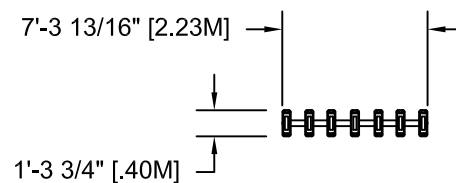
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



ASSEMBLY DRAWING

SPECIFICATIONS

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



TOP VIEW

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

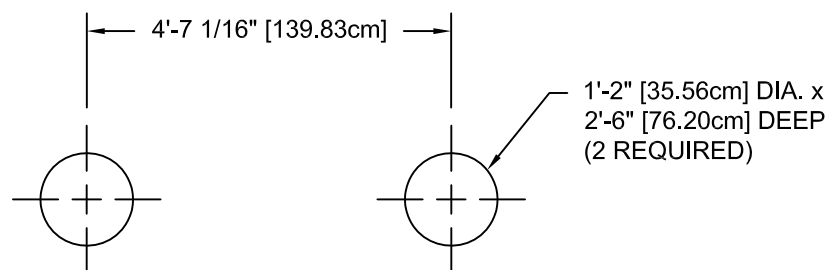
*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

STEP 1: Dig holes according to Ground Plan.

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

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

STEP 3: Level the Inchworm Climber using sway bracing.

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

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

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Inchworm Climber Ass'y	1	159920
2	Extension	2	168187
	<i>Hardware Complete</i>	1	160406
3	Swing Seat	7	163115*
	3/8" x 2" B.H.C.S.	4	811055*
	3/8" x 1 1/2" B.H.C.S.	28	811053*
	3/8" Flatwasher	56	817410*
	3/8" Hex Nut	28	804053*
	3/8" Lockwasher	32	817334*
	3/8" Tee-Nut	4	804556*

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

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

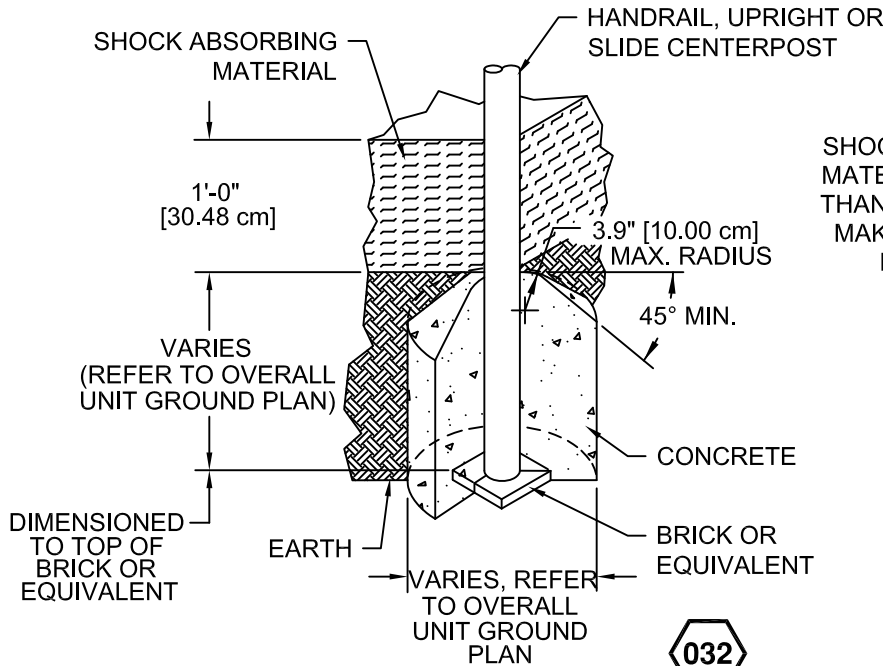
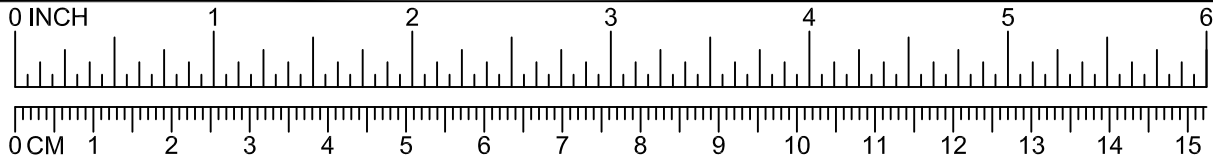
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 8665

IMPORTANT

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

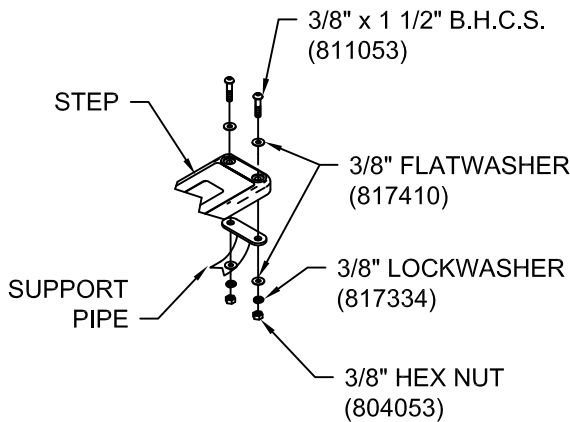
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

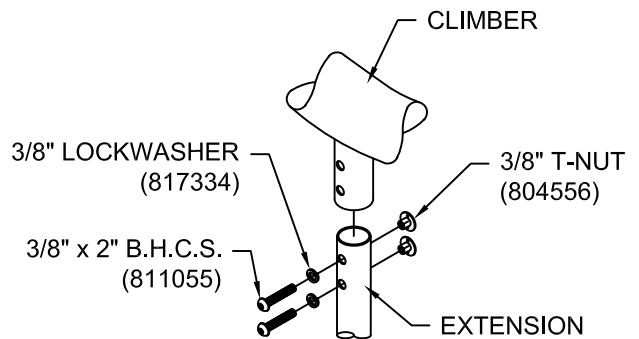
NOTES:

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



057

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





058



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

8691 SEAT

ISSUED/REVISED: 10/30/17

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

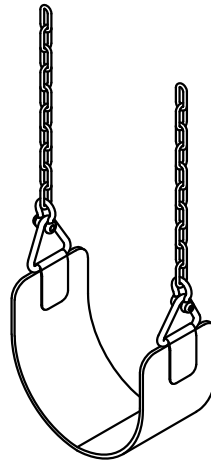
BELT SEAT 8691
FULLY ENCLOSED SEAT 8693
 8695, 8696, 8908, 8909, 8910, 8911,
 8914, 8918, SS8914, SS8695,
 SS8696, SS8918, SS8908, SS8910,
 SS8909, SS8911
SEAT PACKAGES



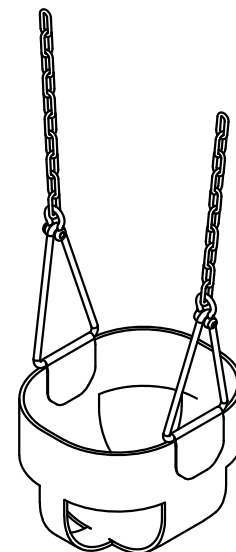
8695, 8696, 8914, SS8914, SS8695, SS8696



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



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

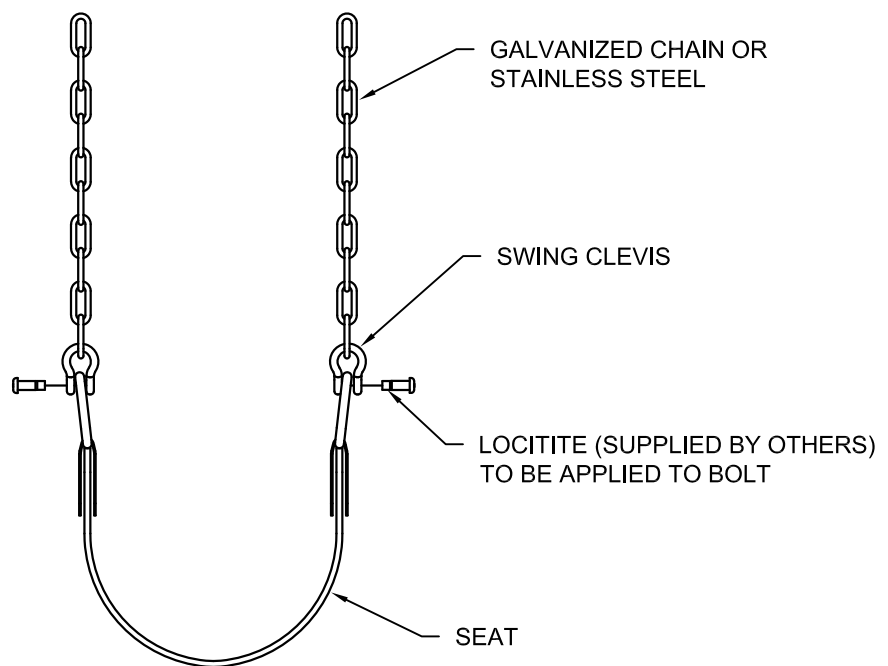
DESCRIPTION	NO. REQUIRED								PART NO.
	8691	8918	8908	8910	8909	8911			
Belt Seat	1	1	1	1	1	1			8691
Swing Hanger (2-3/8" O.D.)	0	0	2	0	2	0			1461
Swing Hanger (3-1/2" O.D.)	0	0	0	2	0	2			1462
Swing Hanger (5" O.D.)	0	2	0	0	0	0			1487
Chain	0	2	0	0	0	0			103052
Chain	0	0	2	2	0	0			166892
Chain	0	0	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

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

SPECIFICATIONS

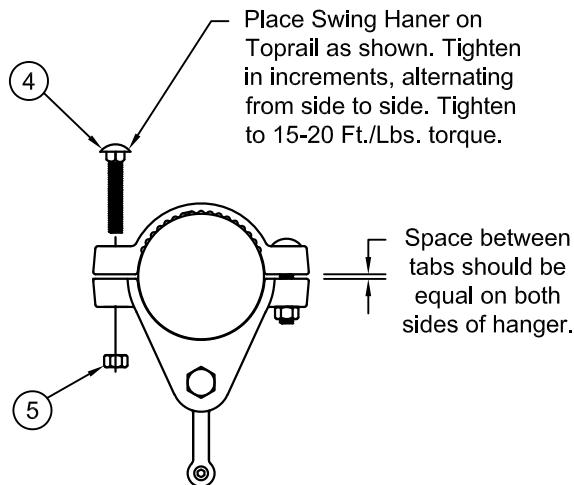
MATERIAL: All swing hanger castings shall be cast of malleable iron.

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

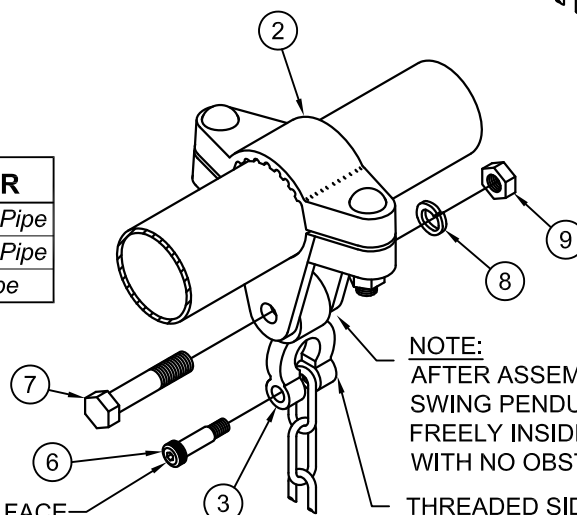
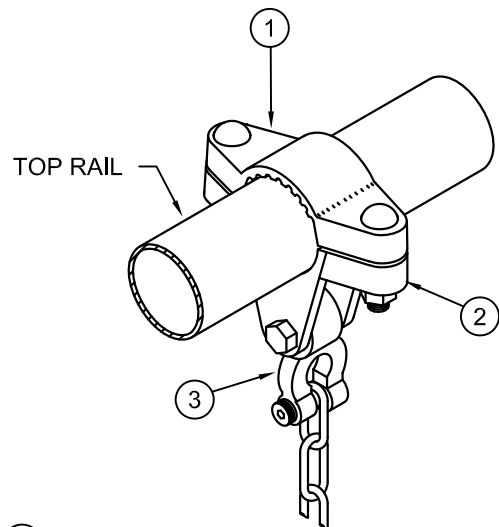
FINISH: All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.

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.



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



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

THREADED SIDE OF PENDULUM

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

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.





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

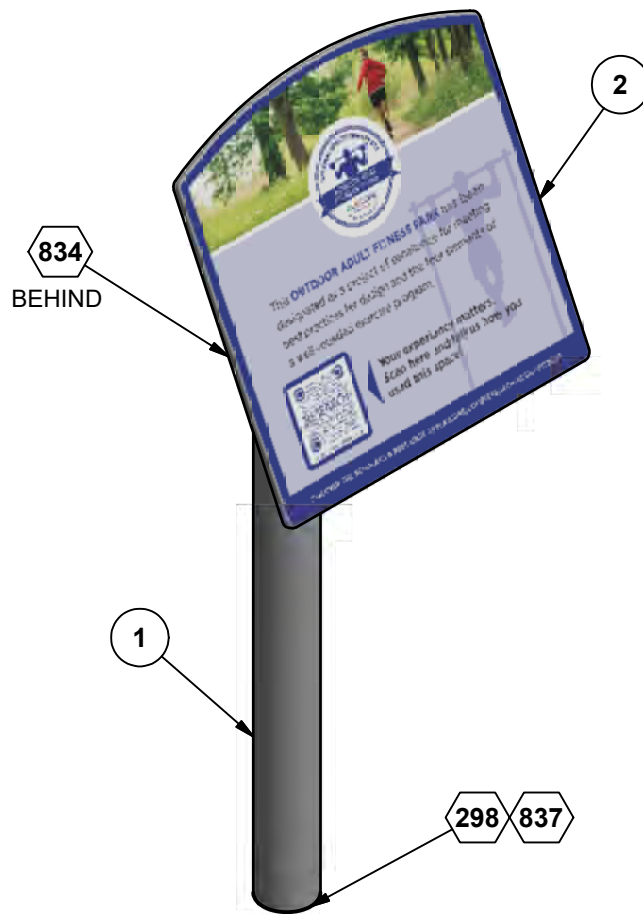
14926

NATIONAL DEMONSTRATION SITE SIGN PACKAGE

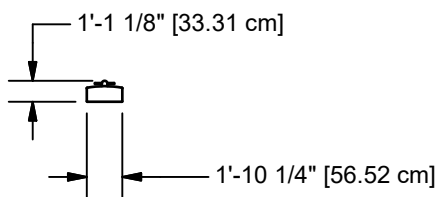
ISSUED/REVISED: 2/15/19

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



ASSEMBLY VIEW



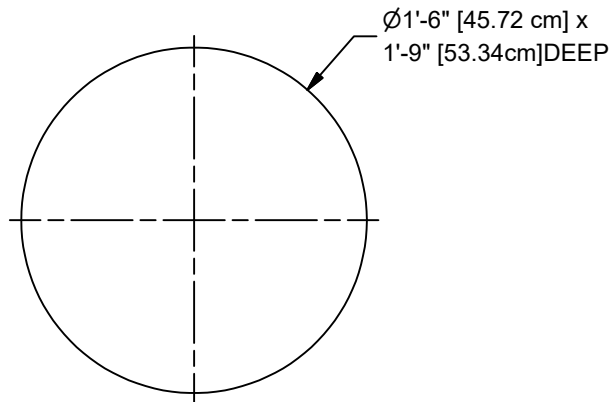
TOP VIEW

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

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

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

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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

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

SPECIFICATIONS

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

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

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

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

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

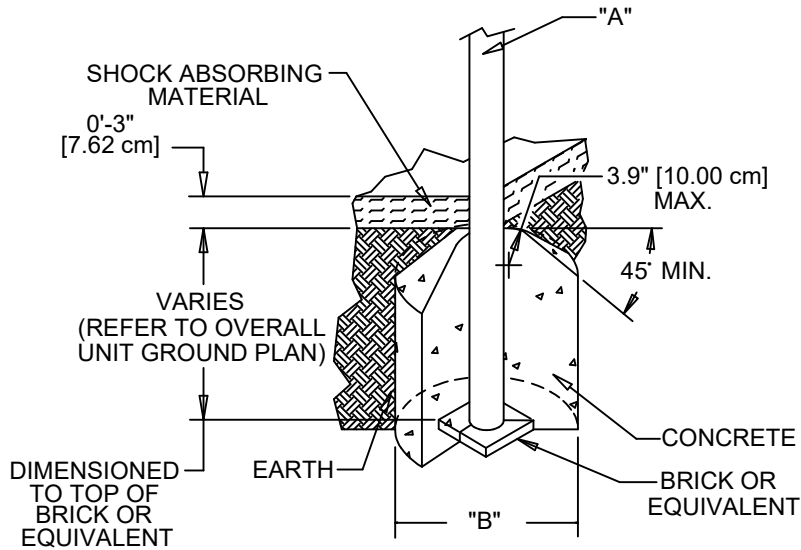
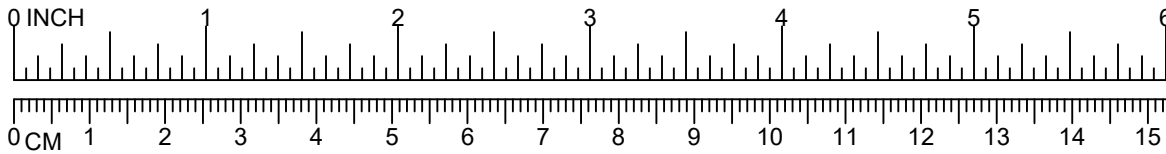
DETAILS -for- 14926-14930

IMPORTANT

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

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

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

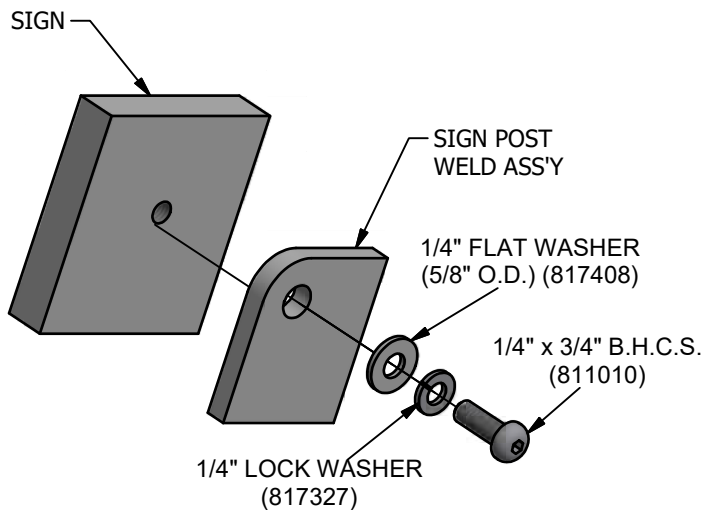


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

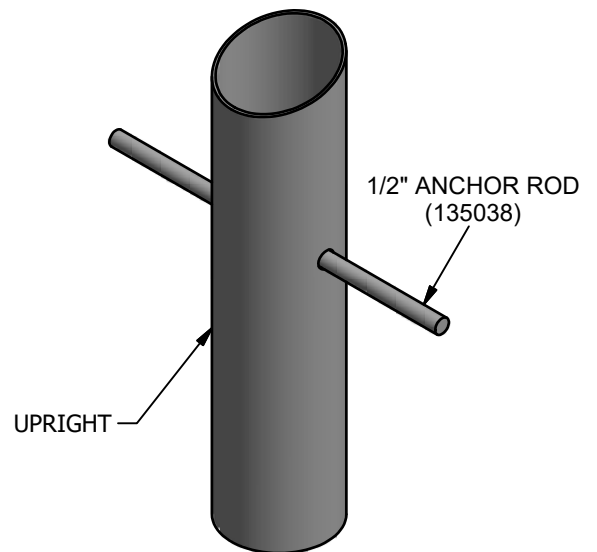
NOTES:

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

298



834





837



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 3/24/10

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

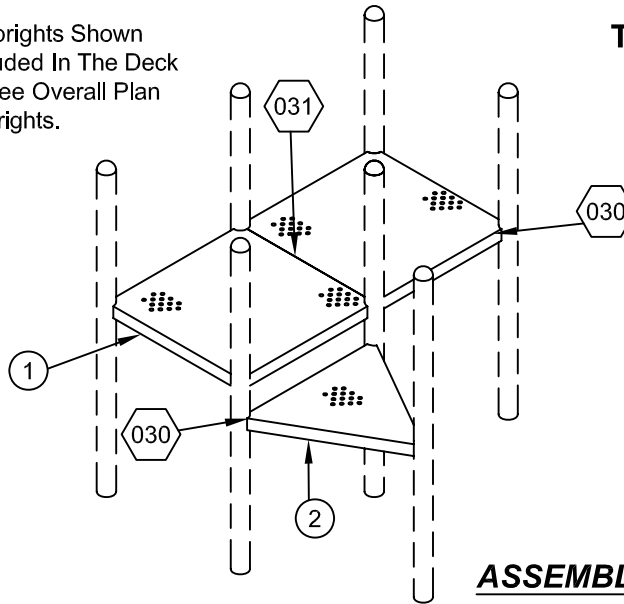
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 80000
TRIANGLE 80001

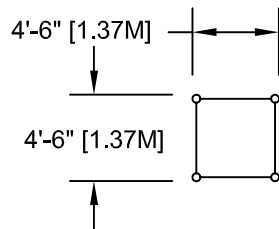
**INSTALLATION
INSTRUCTIONS**

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

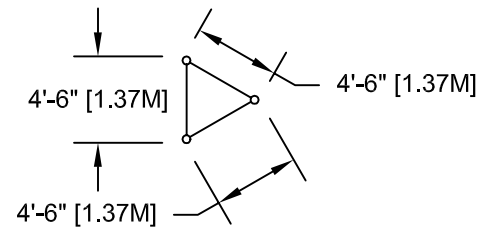
NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING



80000



80001

TOP VIEWS

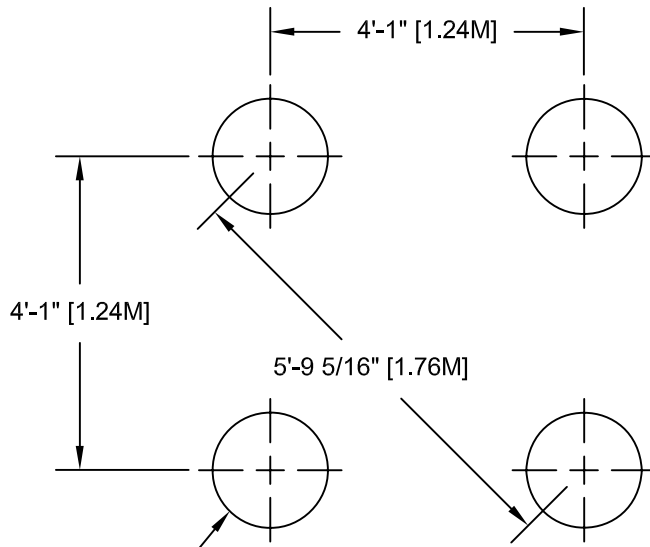
PARTS LIST

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

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



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

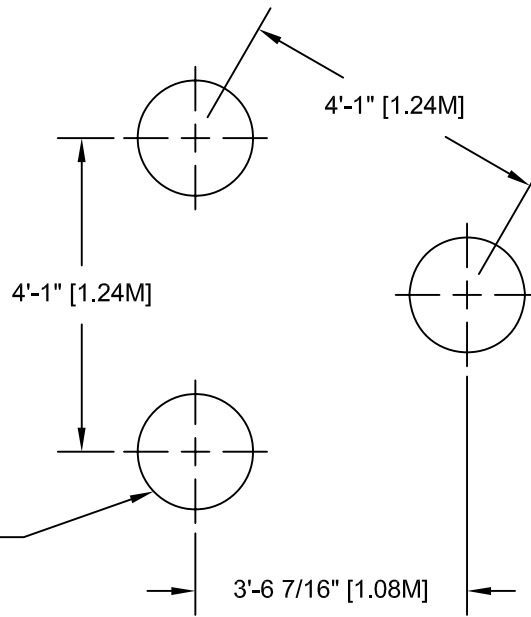


1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

80000

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

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



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

80001

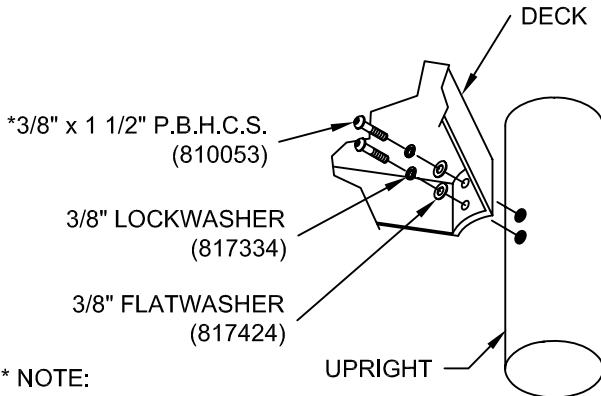
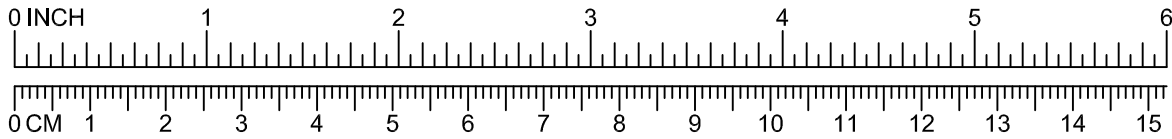
GROUND PLANS

DETAILS -for- 80000 & 80001

IMPORTANT

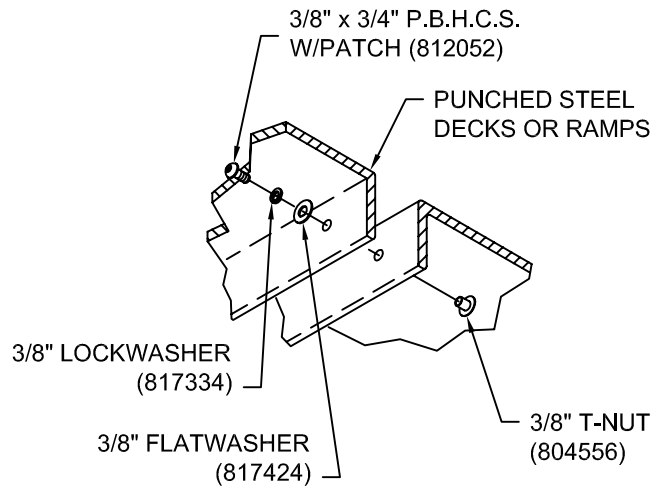
To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.

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



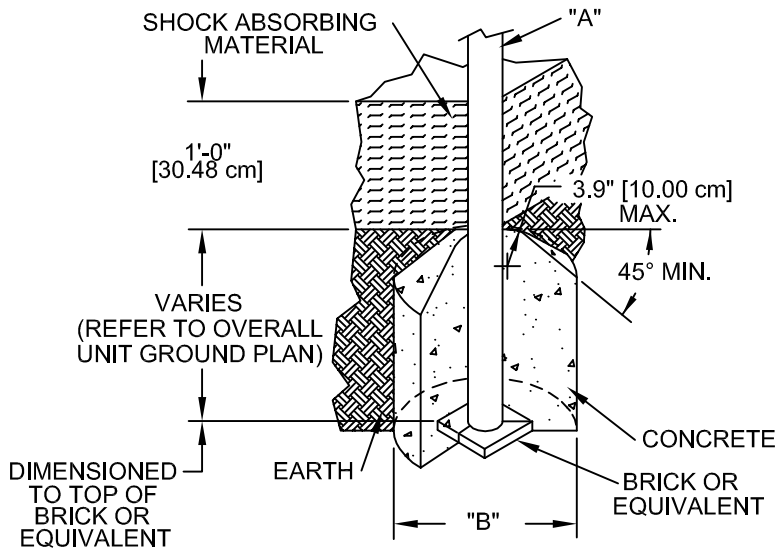
* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

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



030

031



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

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

032

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

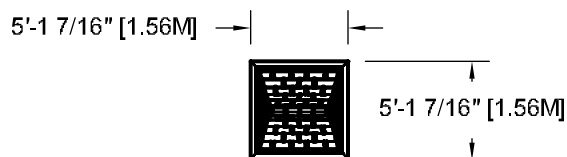
 = INSTALLATION
= DETAIL

 = PARTS LIST
= REFERENCE

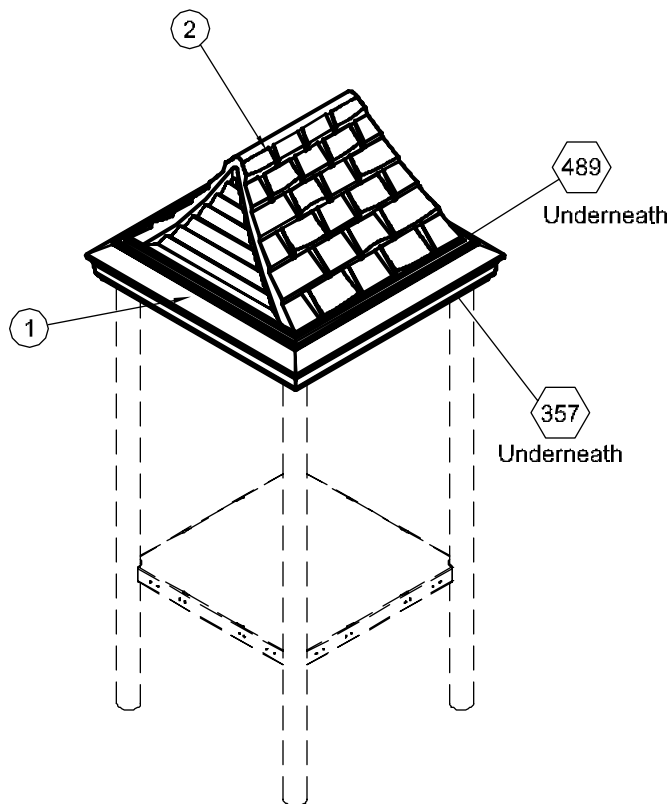
SHINGLE ROOF 80187
SLATE ROOF 80188

INSTALLATION INSTRUCTIONS

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



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	NO. REQUIRED		PART NUMBER
		80187	80188	
1	Roof Base	1	1	168135
2	Shingle Roof	1	0	177716
2	Slate Roof	0	1	177722
	Hardware Complete	1	1	177956
	3/8" x 3 1/2" P.B.H.C.S. w/Patch	4	4	812075*
	3/8" x 5" Hex Head Bolt	4	4	801019*
	3/8" Lockwasher	8	8	817334*
	3/8" Flatwasher	4	4	817410*
	3/8" Flatwasher (1 1/4" O.D.)	4	4	817424*
	Molded Bolt Guard	4	4	156079*

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

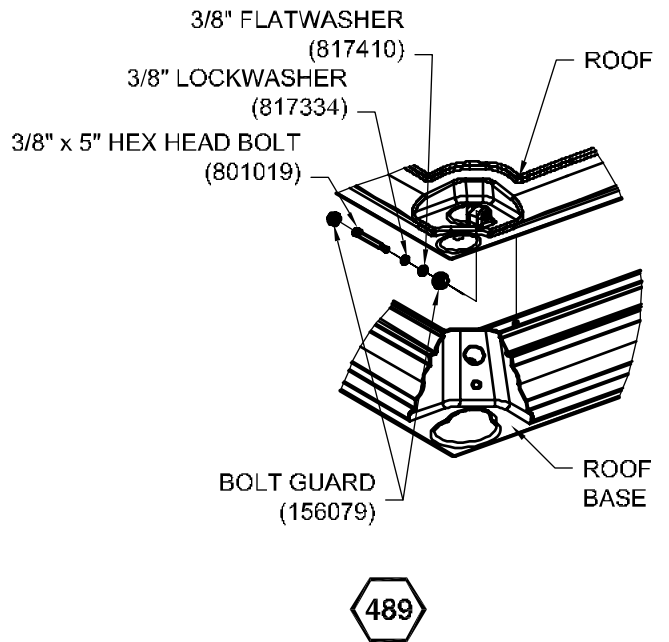
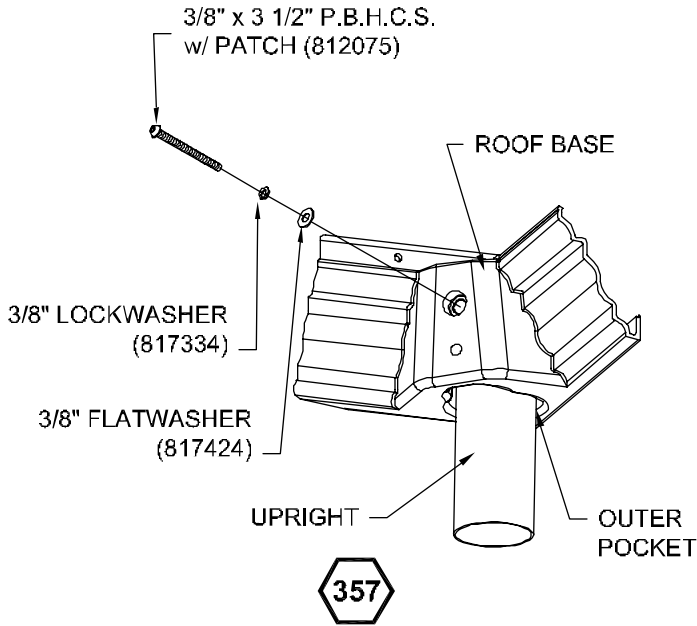
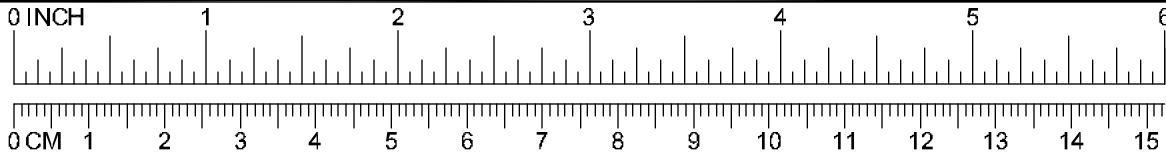
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 80187 & 80188

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.



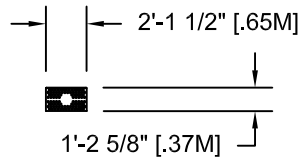
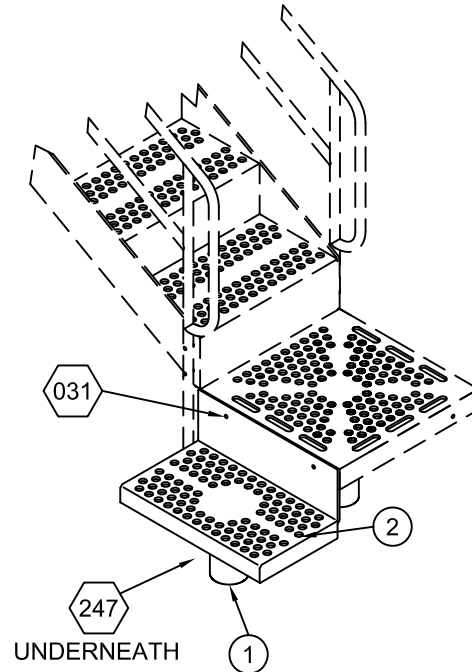
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

80656 ATTACHES TO 80653, 80655, 90029, 90031 & 90032
80657 ATTACHES TO 80654, 90030 & 90033

**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

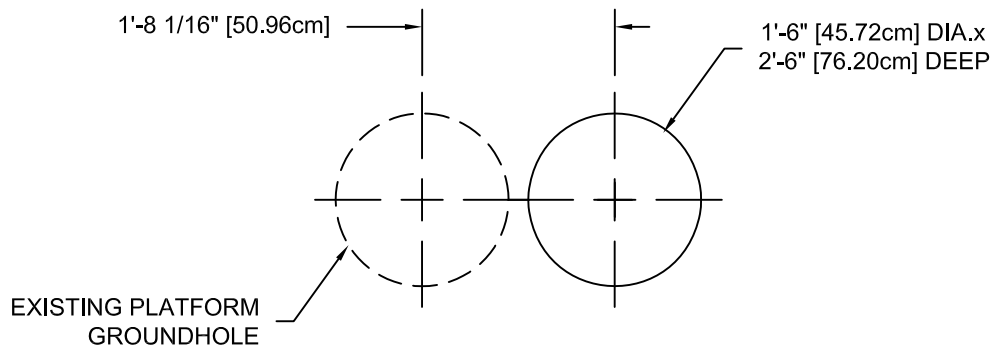
PARTS LIST

REF. NO.	DESCRIPTION	No. REQUIRED		PART NUMBER
		80656	80657	
1	Platform Support	1	0	160701
1	Platform Support	0	1	160704
2	Platform	1	1	160693
	<i>Hardware Complete</i>	1	1	166069
	3/8" x 3/4" P.B.H.C.S. w/Patch	5	5	812052*
	3/8" Lockwasher	5	5	817334*
	3/8" Flatwasher (1-1/4" O.D.)	2	2	817424*
	3/8" Tee -Nut (Spanner)	5	5	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: Loctite (supplied by others) should be used on all threaded hardware.



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

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

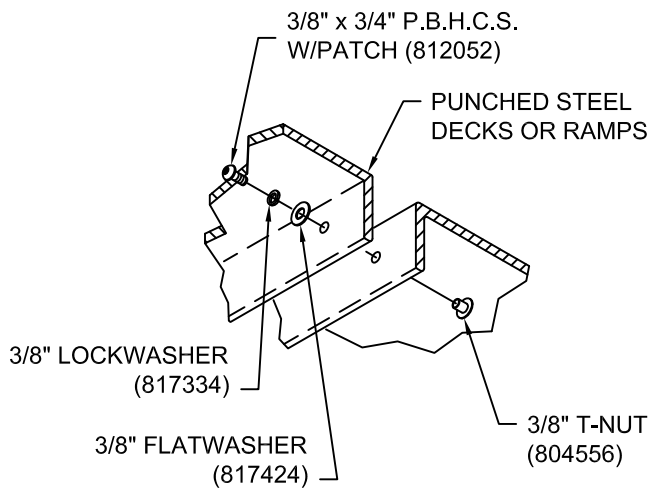
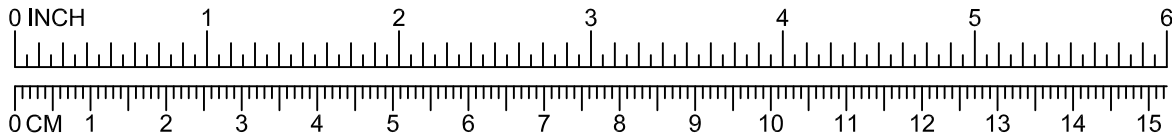
GROUND PLAN

DETAILS -for- 80656 & 80657

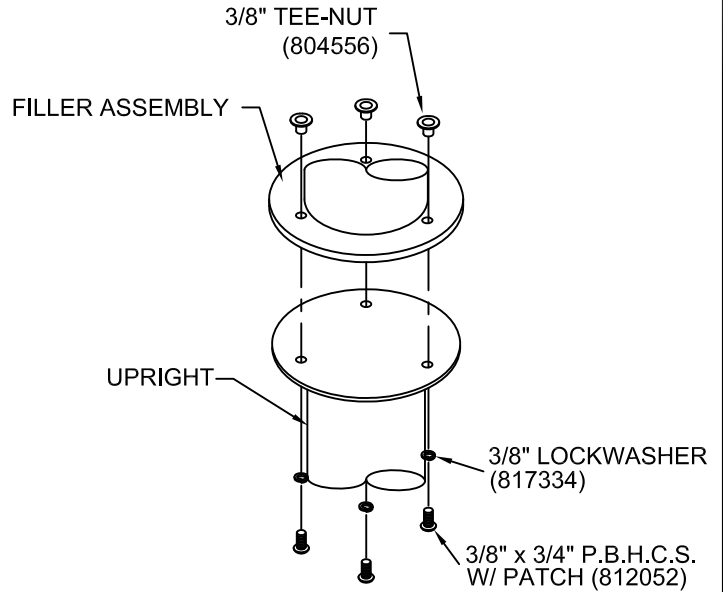
IMPORTANT

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.

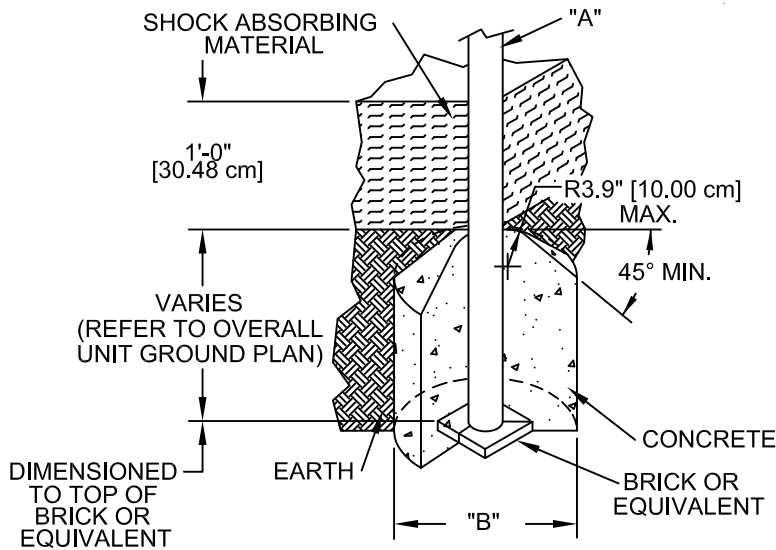
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



031



247





032

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

NOTES:

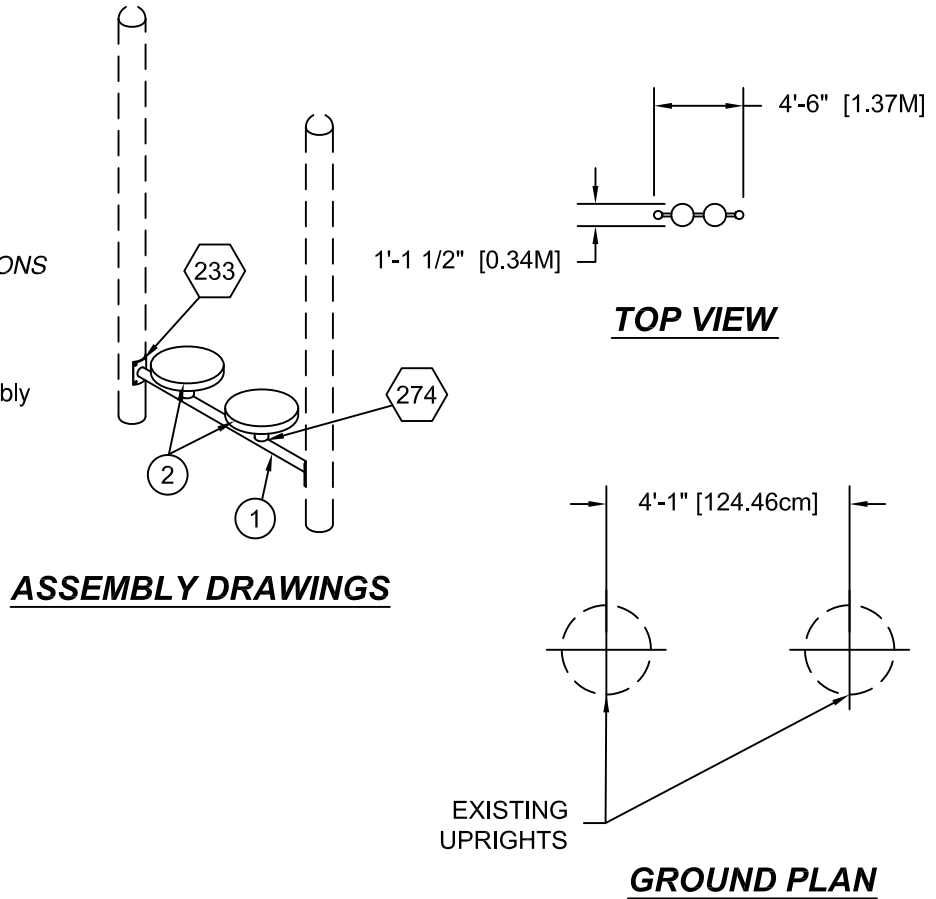
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

-  = 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.



PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Seat Rail Ass'y	1	207780
2	Seat	2	207778
	Hardware Complete	1	207797
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	8	812051*
	3/8" Lock Washer	10	817334*
	3/8" Flatwasher	8	817410*
	3/8" x 2 1/4" P.B.H.C.S. w/Patch	2	812056*
	3/8" Tee 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.

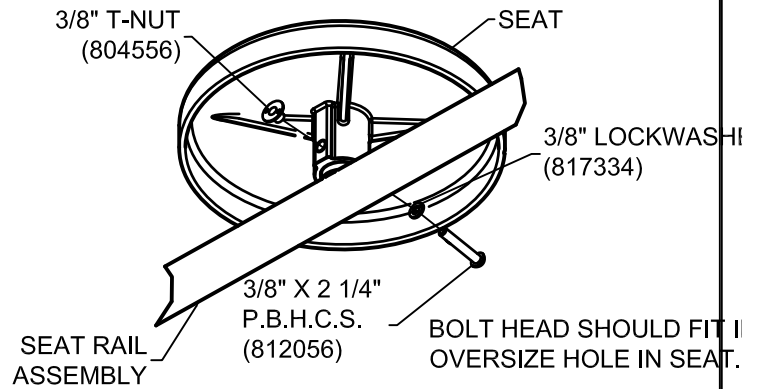
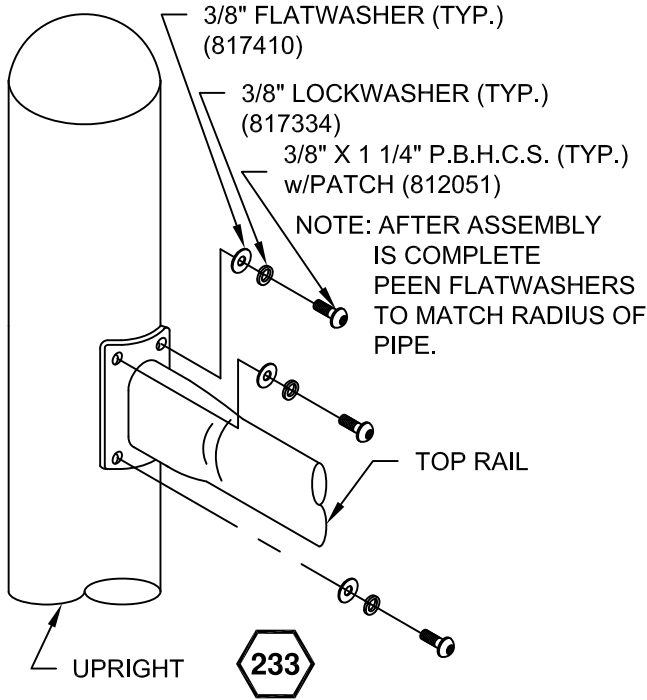
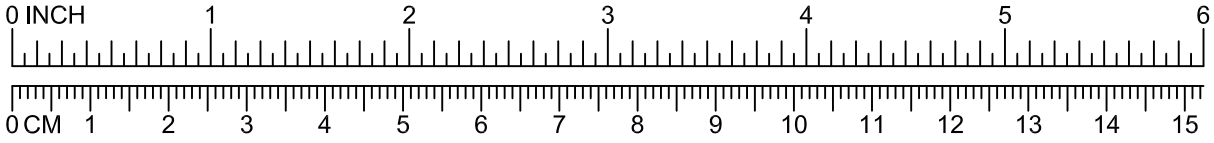
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 80924

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.



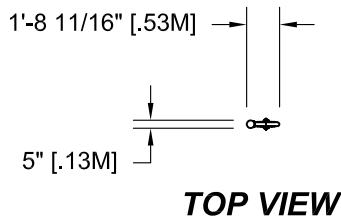
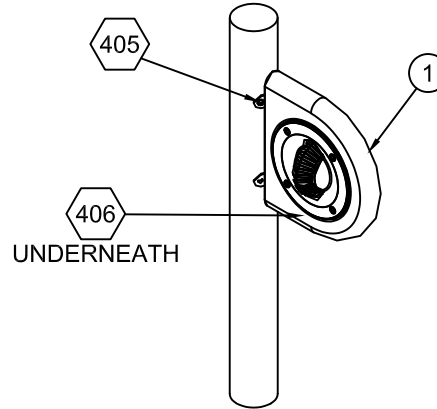
274

FOR GIZMOS SEE INSTALLATION SHEET 4956

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

**INSTALLATION
INSTRUCTIONS**

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



ASSEMBLY DRAWING

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

PARTS LIST

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

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

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

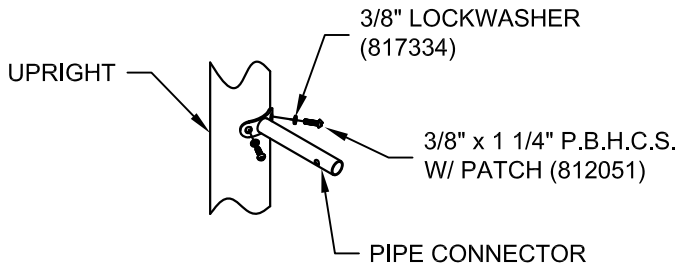
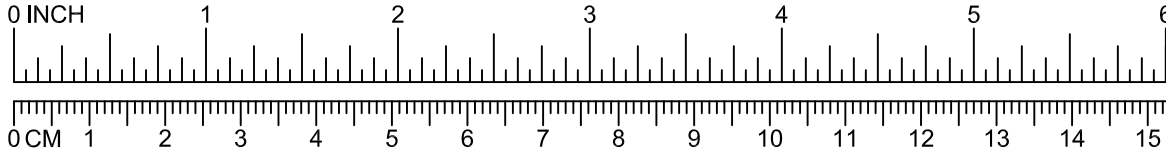
DETAILS -for- 80931

IMPORTANT

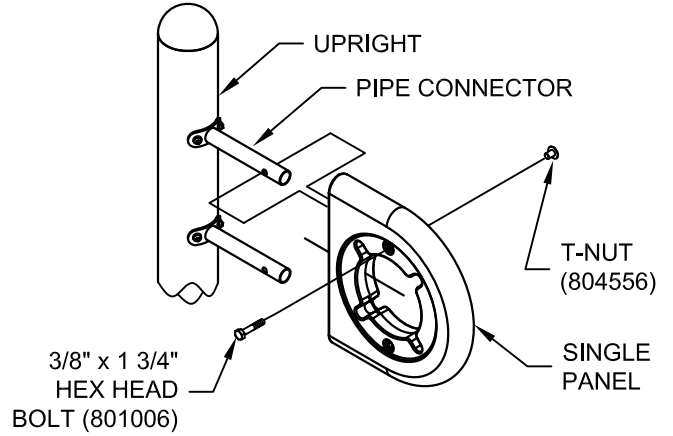
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



405



406

 = INSTALLATION
= DETAIL

 = PARTS LIST
REFERENCE

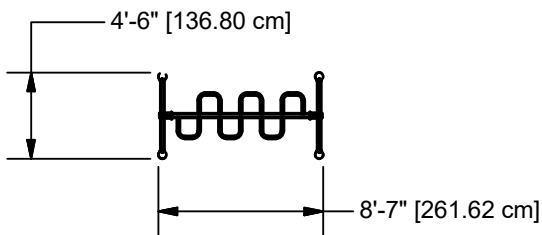
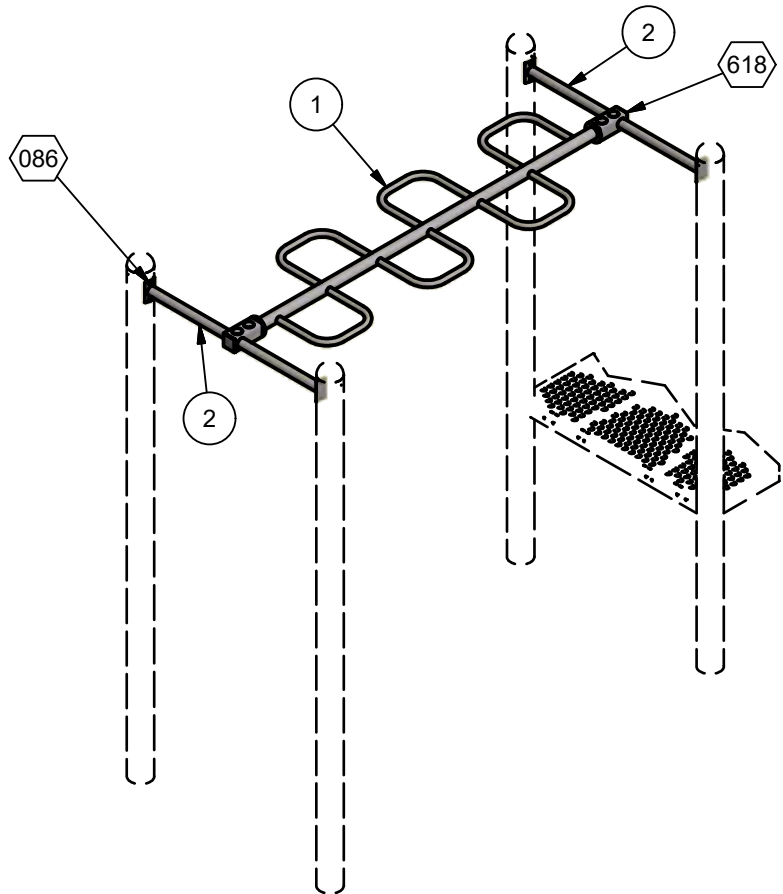
**INSTALLATION
INSTRUCTIONS**

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

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

NOTE: Before pouring concrete, tie or strap the (4) uprights together. Apply tension to the tie or straps so that the uprights are forced toward the center of the Swing 'N Sway.

2.) Apply the PowerBond to the PowerLock threads as shown in detail 068.



TOP VIEW

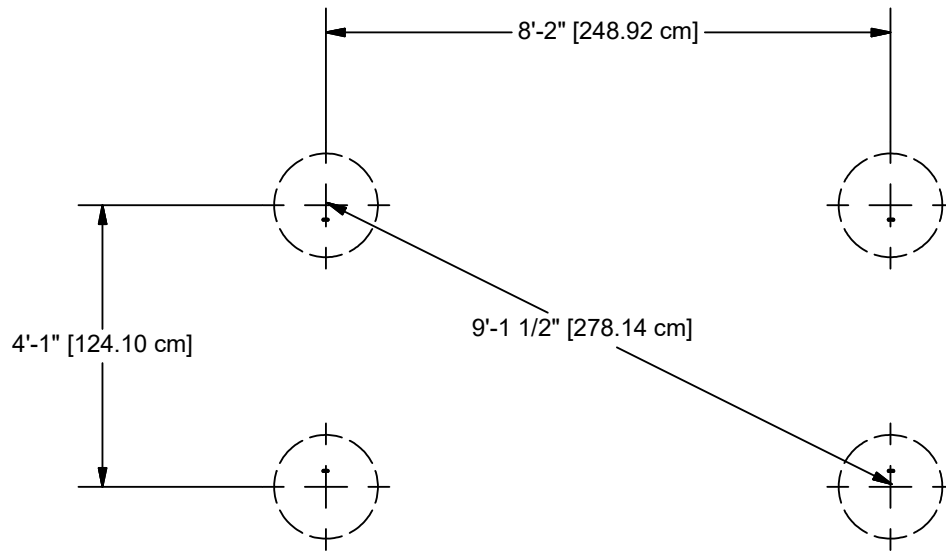
ASSEMBLY DRAWING

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL ASSEMBLY	1	200730
2	END BAR ASSEMBLY	2	200727
	*****HARDWARE COMPLETE*****	1	200733
	RUBBER ROD	8	302908
	3/8" LOCK WASHER	8	817334
	3/8" x 1" P.B.H.C.S. w/PATCH	8	812050
	3/8" FLAT WASHER	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: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



GROUND PLAN

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

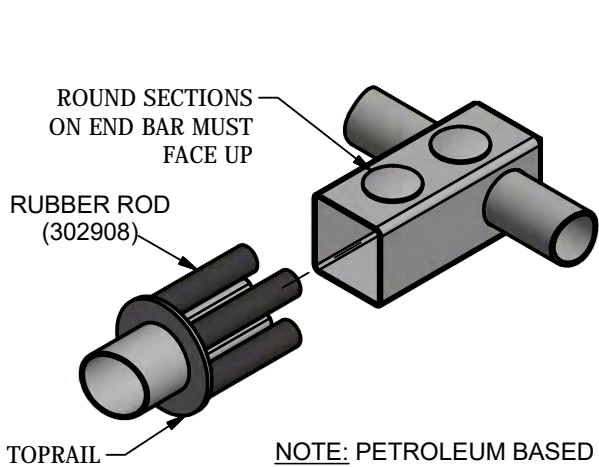
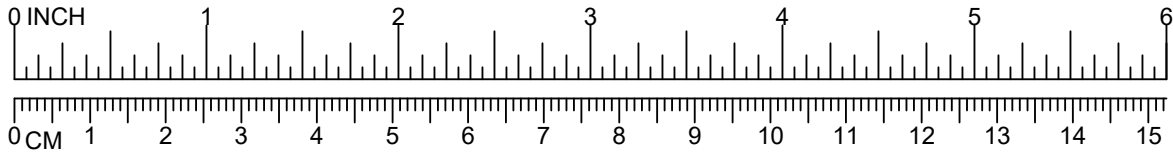
DETAILS -for- 81540

IMPORTANT

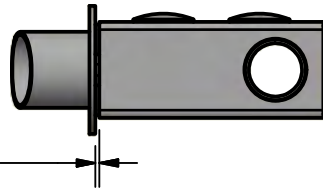
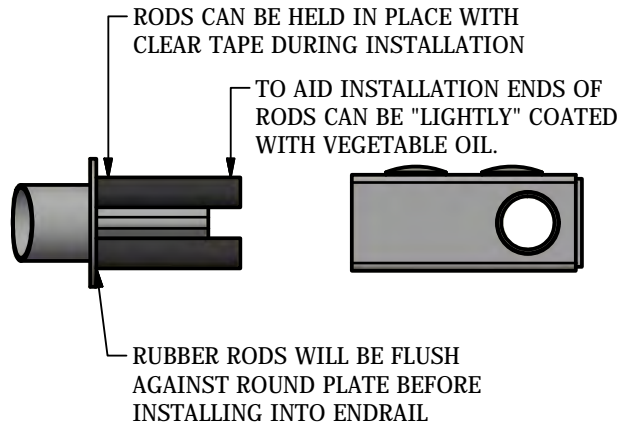
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.

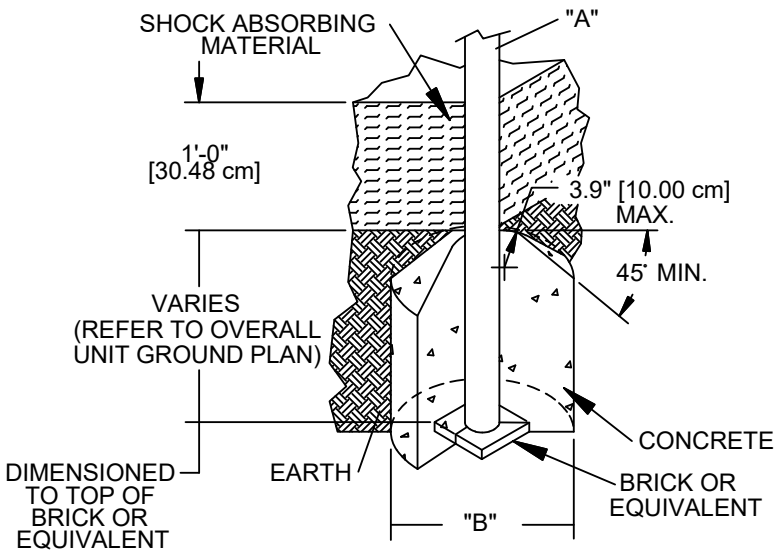


NOTE: PETROLEUM BASED PRODUCTS (SUCH AS WD40) SHOULD NOT BE USED ON RUBBER RODS.



APPROXIMATELY
0'- 1/8" [.32 cm] GAP
AFTER INSTALLATION

618



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

NOTES:

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

032

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

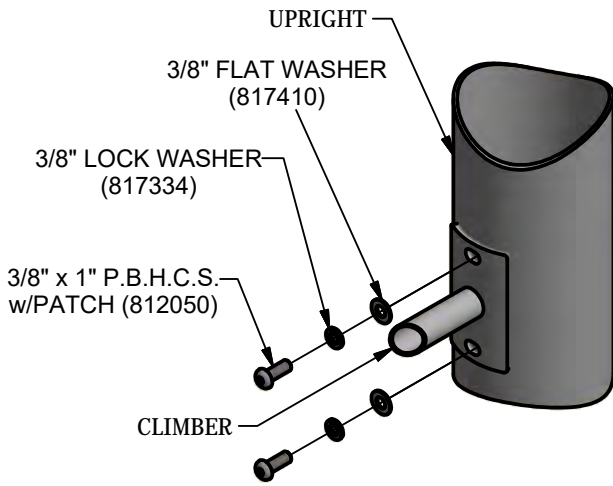
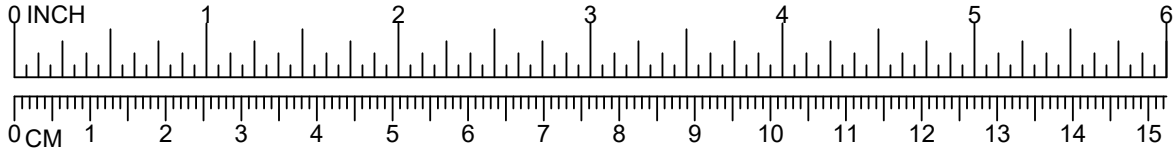
DETAILS -for- 81540

IMPORTANT

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


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


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



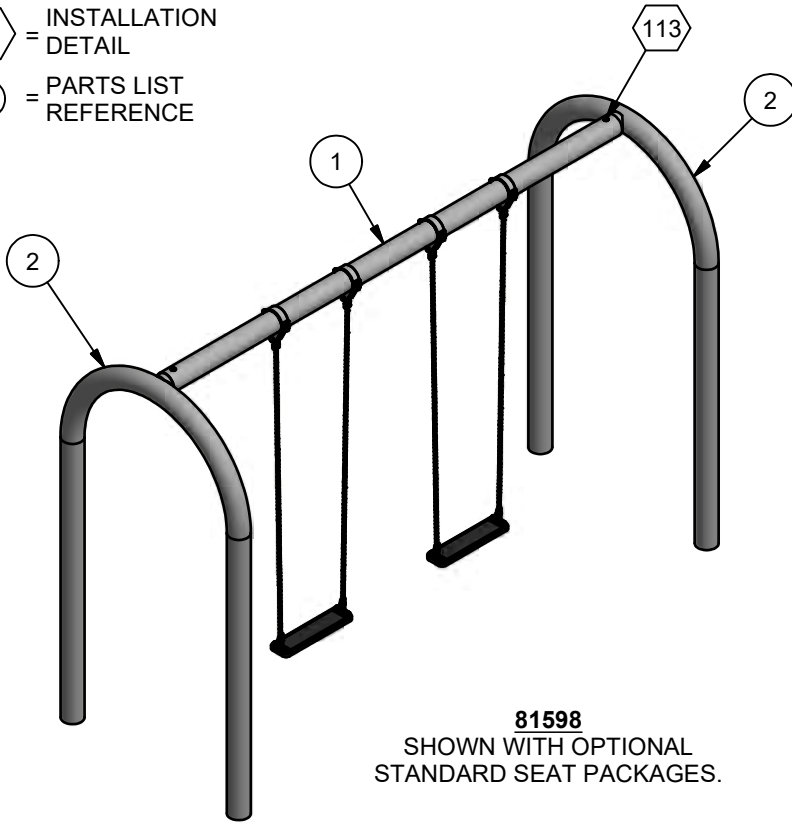
086

81598
TWO-PLACE
SWING

 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

FREESTANDING 81598
ADD-A-BAY 81599

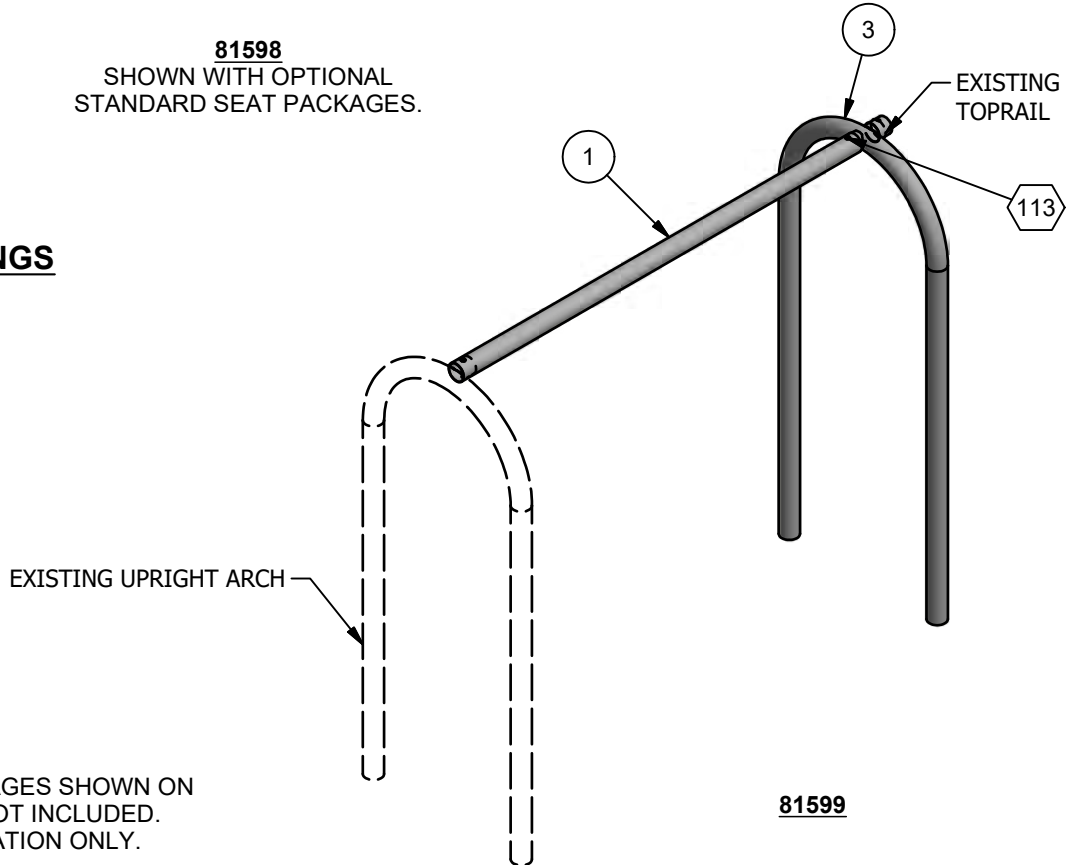


81598
SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

**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.

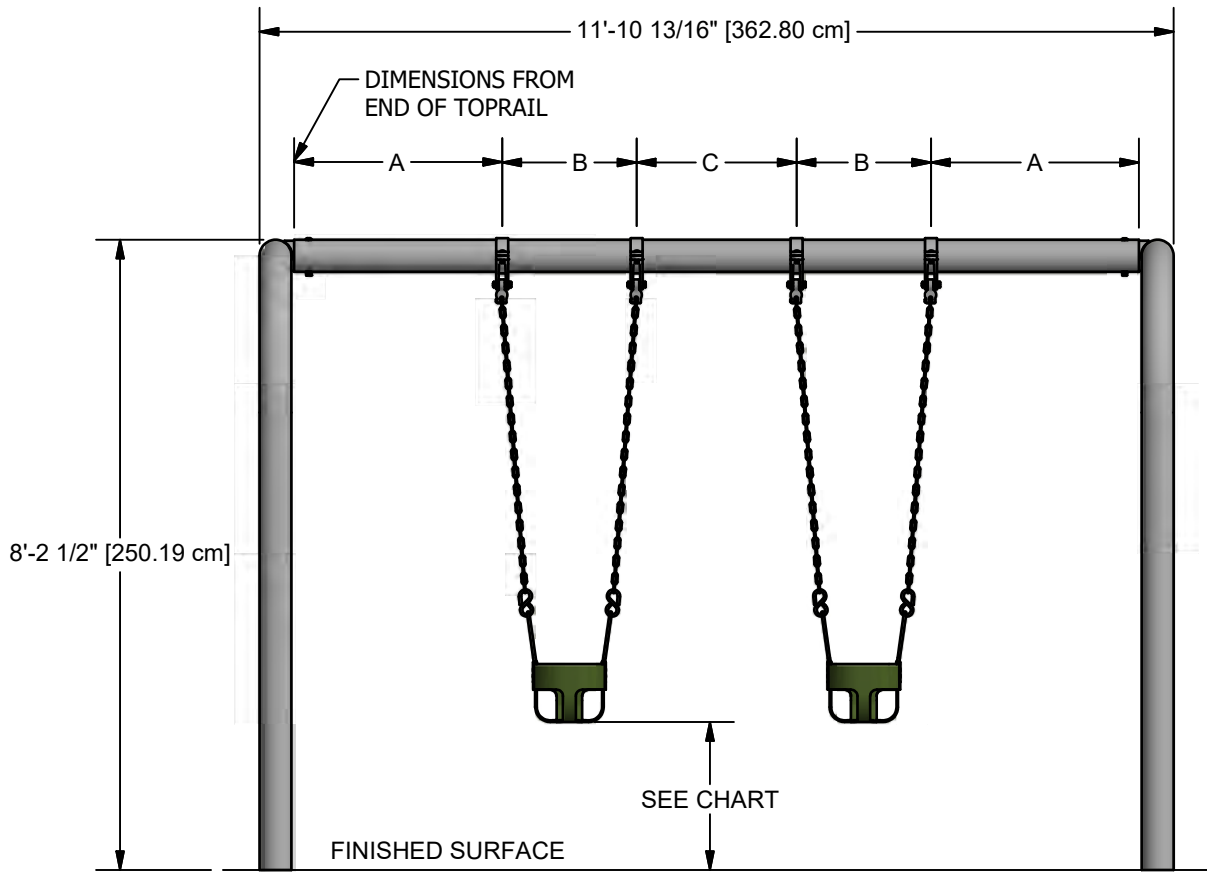
ASSEMBLY DRAWINGS



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

81599

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

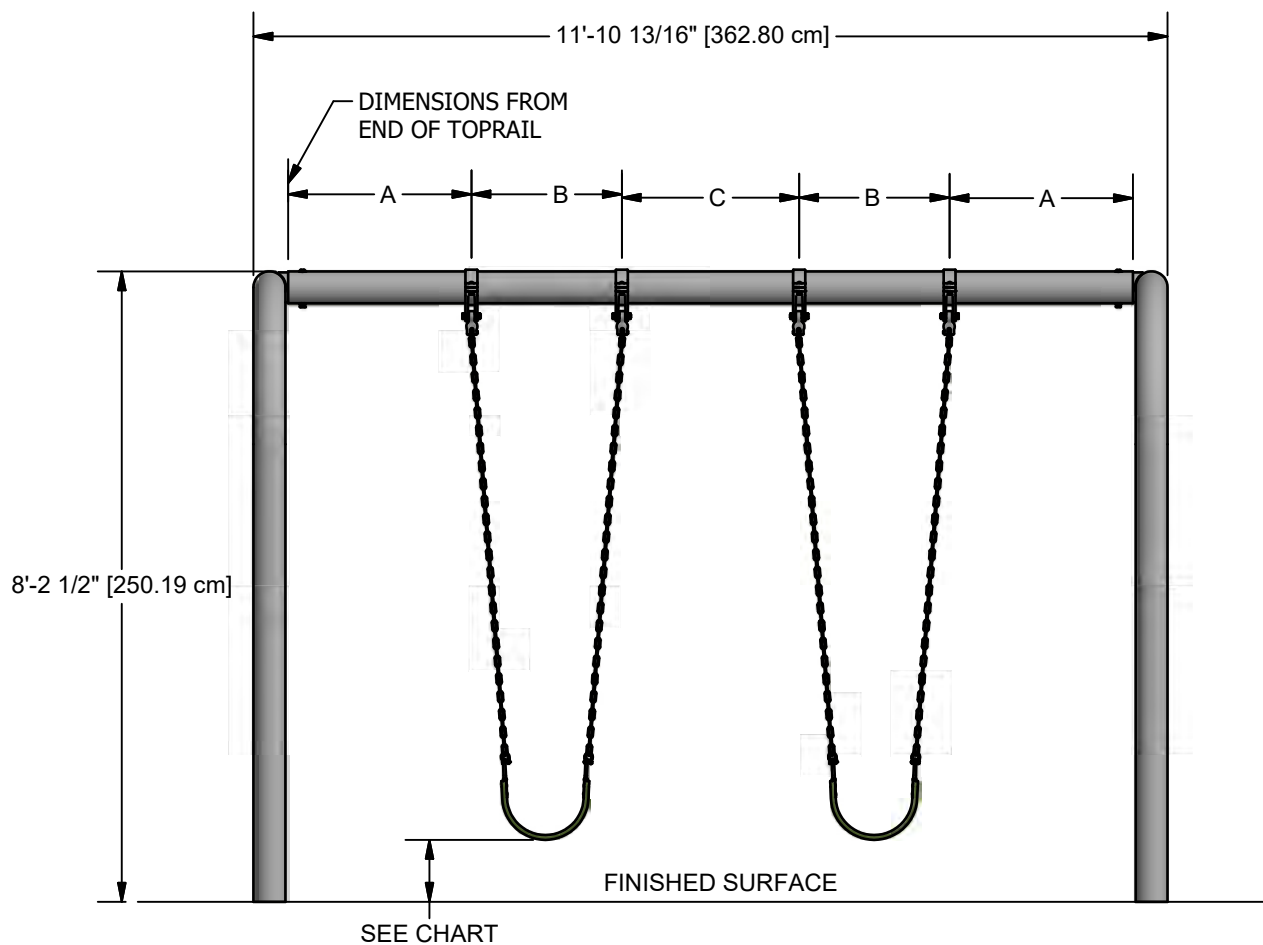


81598 SHOWN (81599 SIMILAR)
WITH OPTIONAL ENCLOSED TOT
SEAT PACKAGES (NOT INCLUDED)

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

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

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



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

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	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

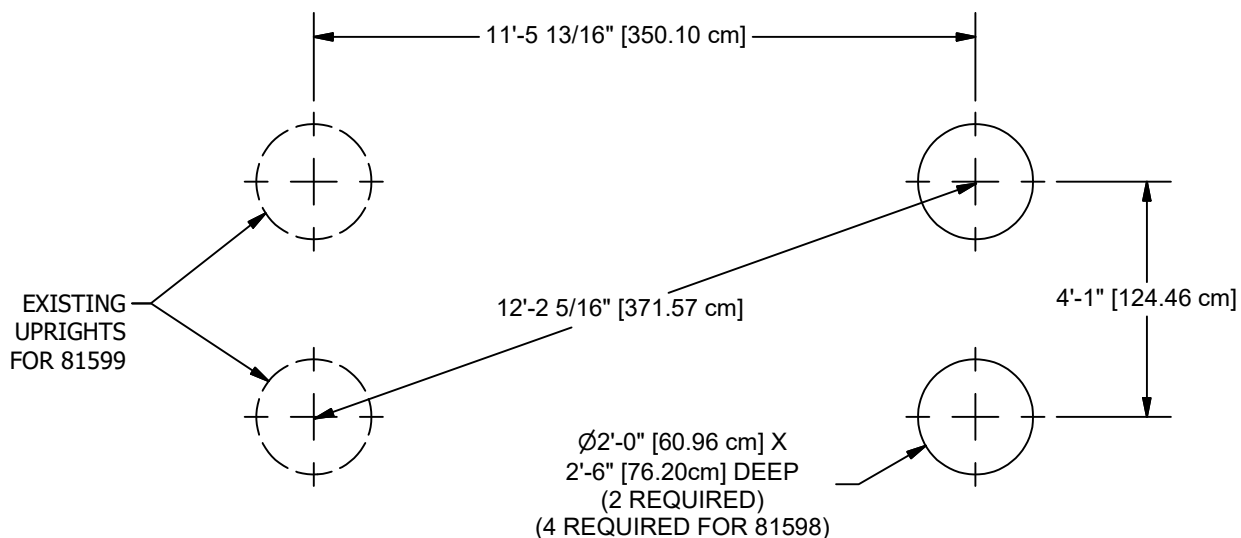
Parts List				
ITEM	DESCRIPTION	81598	81599	PART NUMBER
1	TOPRAIL	1	1	208808
2	ARCH END UPRIGHT ASSEMBLY	2	0	147006
3	MULTI-BAY ARCH UPRIGHT ASSEMBLY	0	1	147009
	HARDWARE COMPLETE	1	1	147013
	1/2" x 5 1/2" B.H.C.S.	2	2	811071*
	1/2" LOCKWASHER	4	4	817342*
	1/2" HEX NUT	2	2	804055*

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

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

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

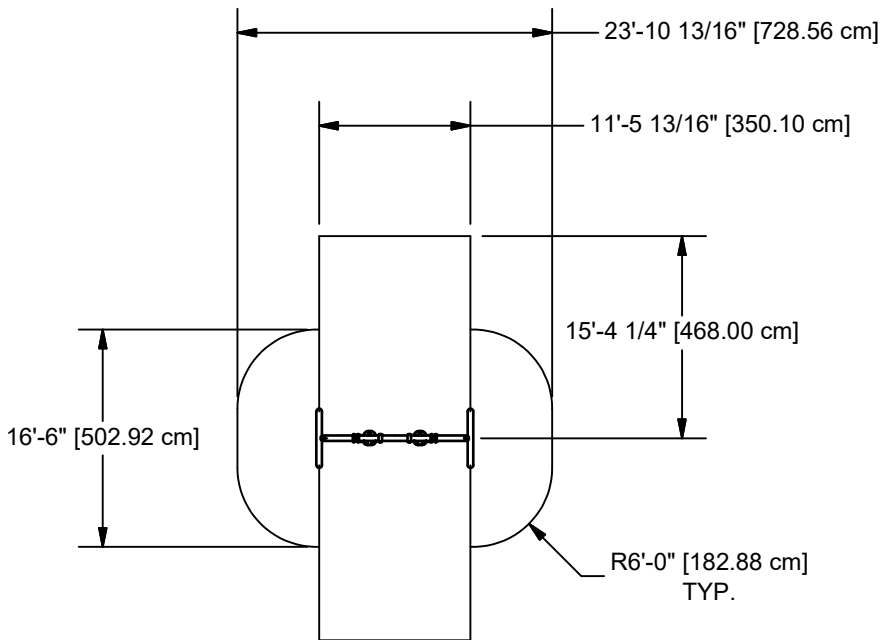
Note: Loctite (supplied by others) should be used on any non-patch hardware.



GROUND PLAN

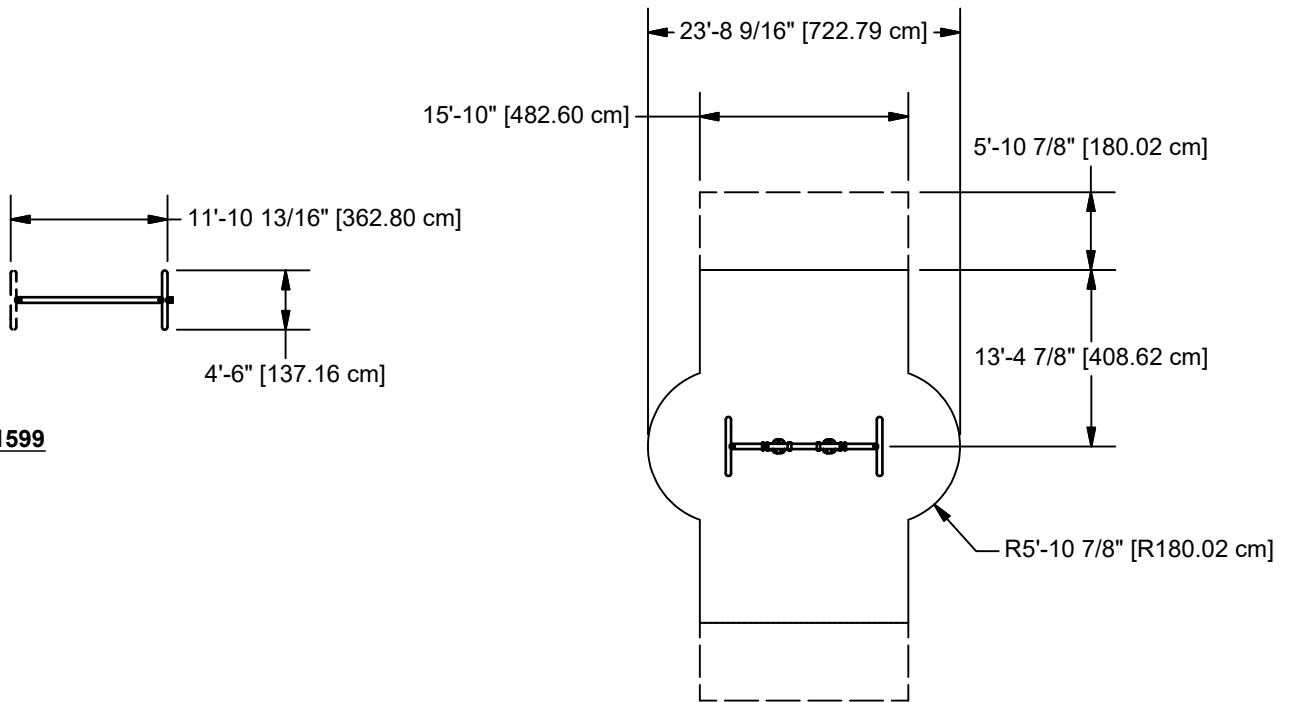
CONCRETE REQUIRED:
.69 CUBIC YARDS
[.53 CUBIC METERS]
REQUIREMENTS PER ARCH

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.



TOP VIEWS

81598



81598 (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 11'-5 13/16" [3.79M].

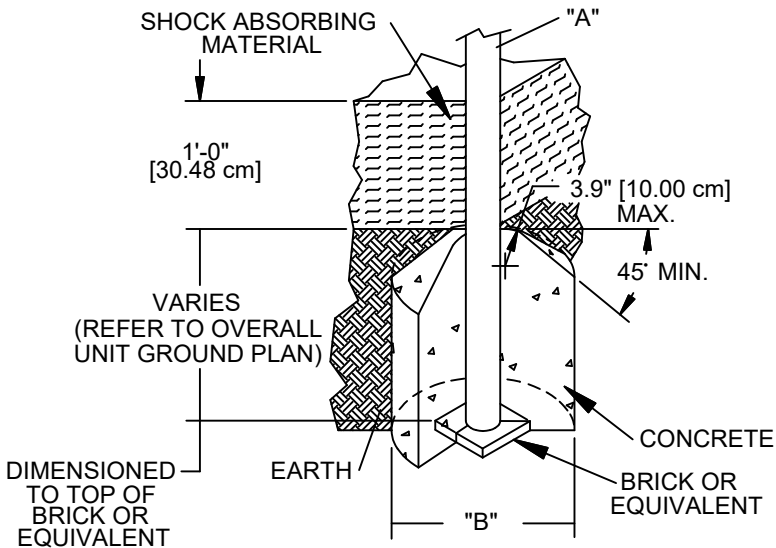
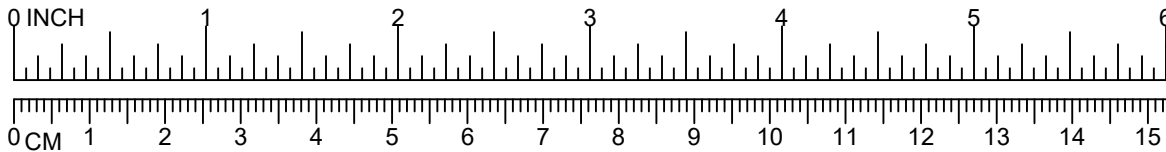
DETAILS -for- 81598 & 81599

IMPORTANT

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

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

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



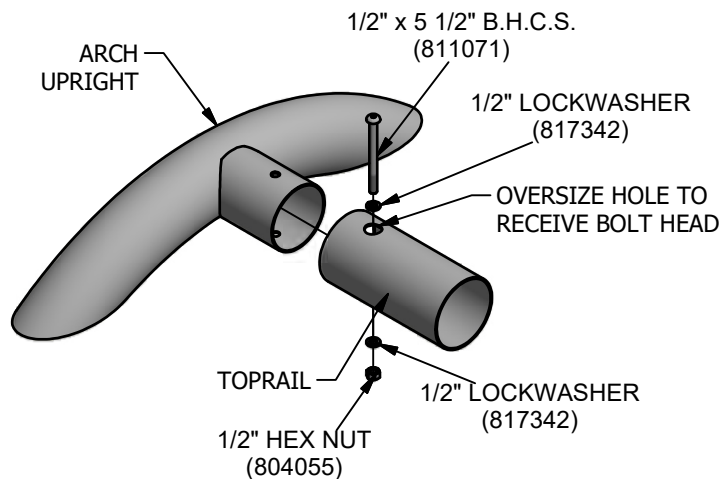
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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



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



PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 7/10/2018

81602 10' COMBO TWO-PLACE SWING

⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
= REFERENCE

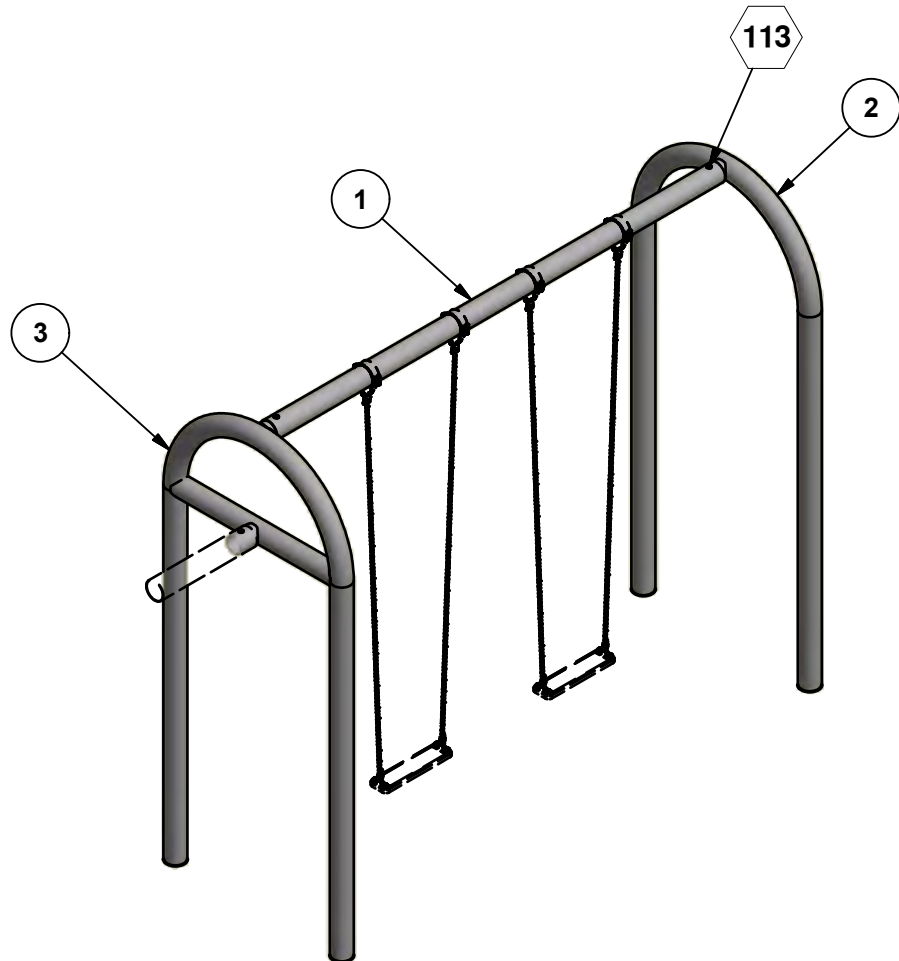
SEE 81599 FOR ADD-A-BAY



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.

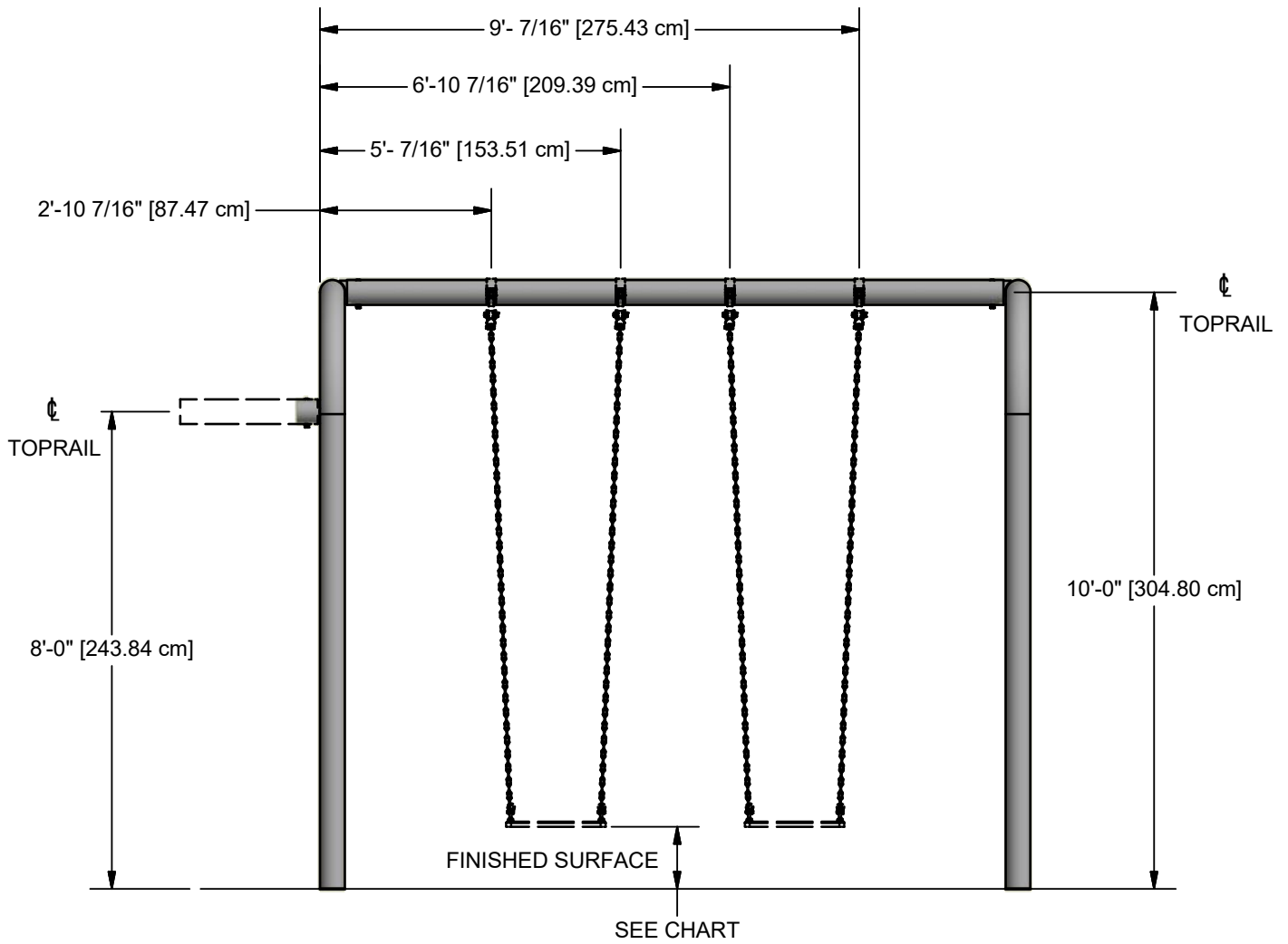


ASSEMBLY DRAWING

81602

SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

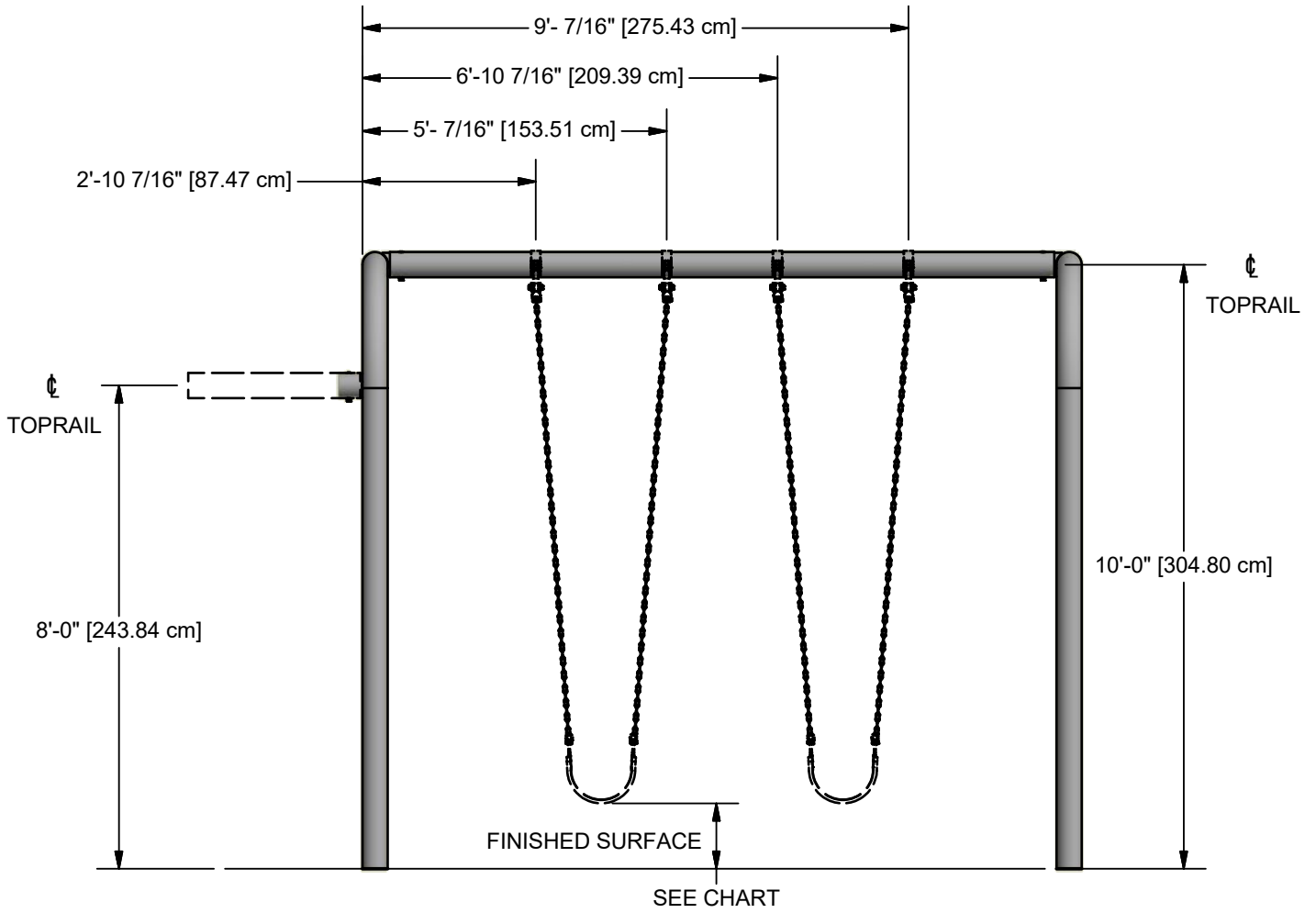
NOTE: SWING SEAT PACKAGES SHOWN ON
ASSEMBLY DRAWING NOT INCLUDED.
SHOWN FOR ILLUSTRATION ONLY.
SEE 4953 FOR SWING
SEAT PACKAGES.



81602 SHOWN
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

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

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



81602 SHOWN
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

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

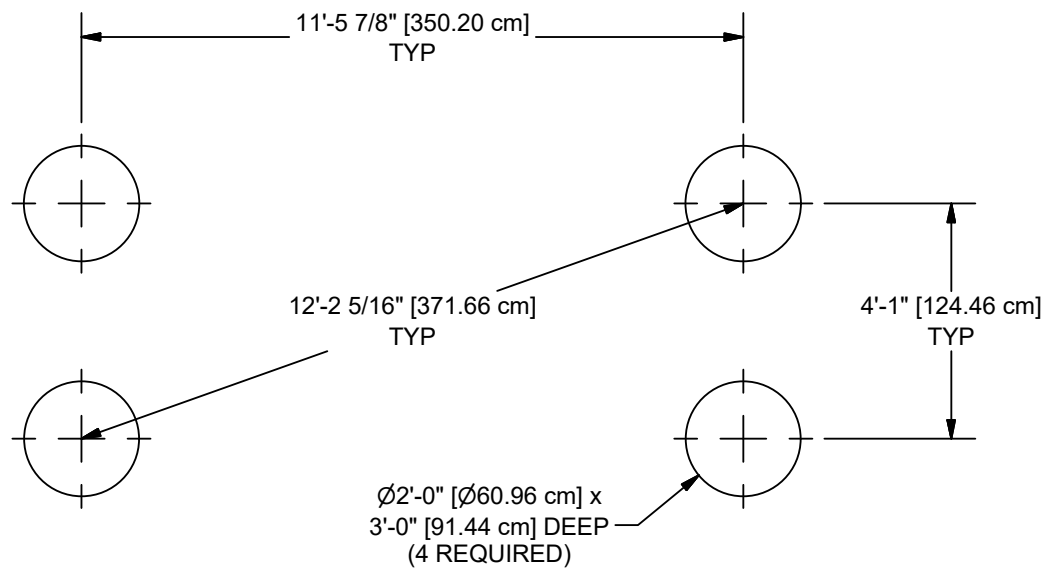
*UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]

Parts List			
REF	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL	1	208808
2	ARCH UPRIGHT WELD ASS'Y	1	214706
3	COMBO ARCH UPRIGHT WELD ASS'Y	1	214728
	HARDWARE COMPLETE	1	147013
	1/2" x 5 1/2" B.H.C.S.	2	811071*
	1/2" HEX NUT	2	804055*
	1/2" LOCKWASHER	4	817342*

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

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

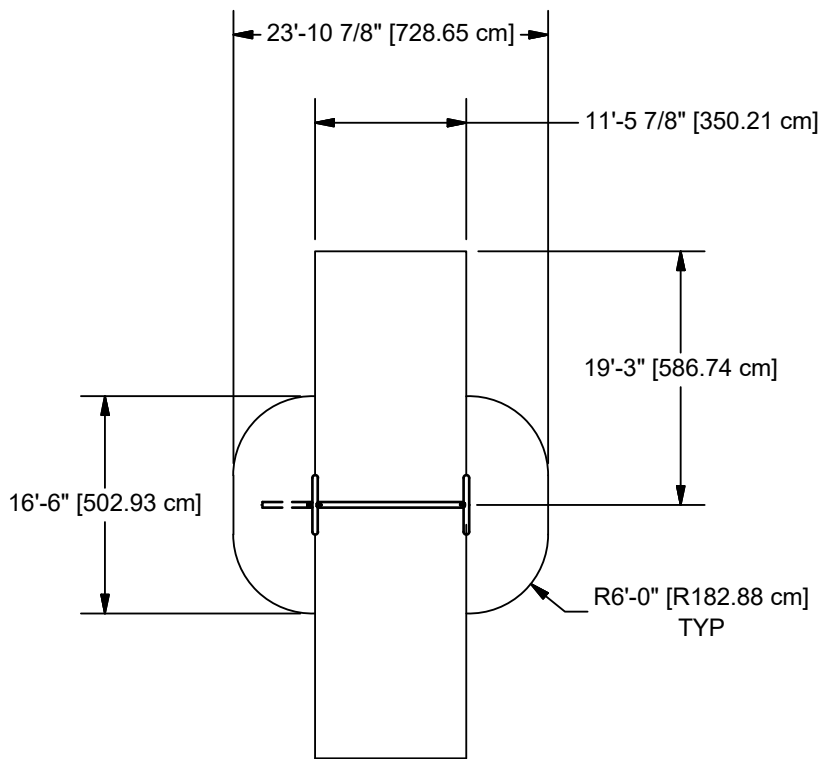
**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.**



GROUND PLAN
81602

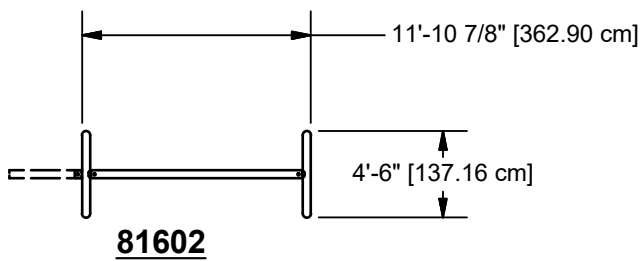
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED:
.93 CUBIC YARDS
[.71 CUBIC METERS]

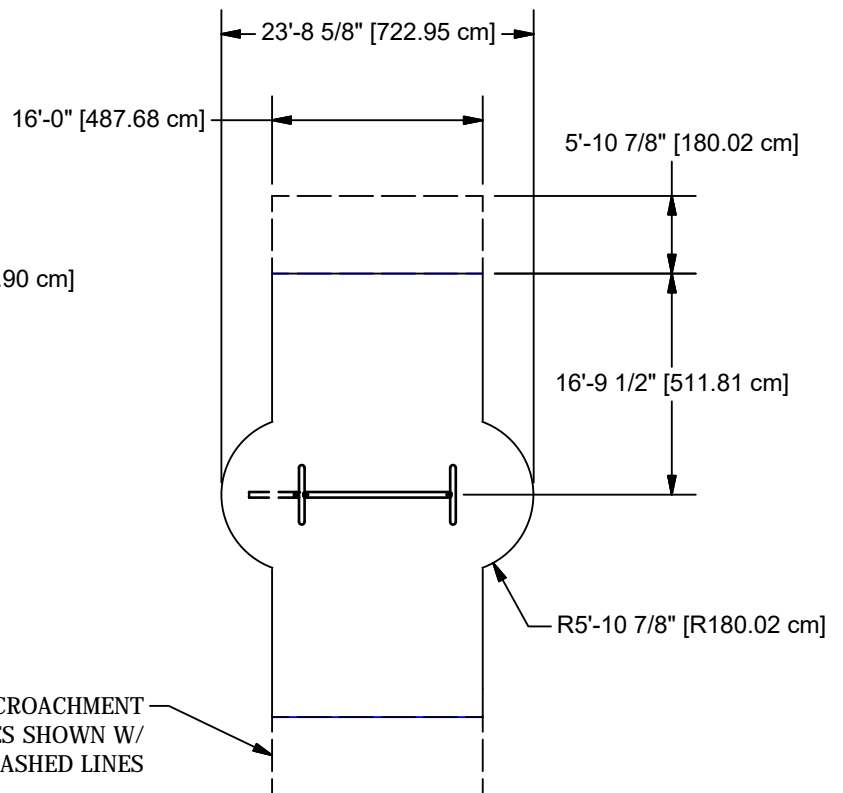


TOP VIEWS

81602



81602



NO ENCROACHMENT
ZONES SHOWN W/
DASHED LINES

81602 (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 11'-5 13/16" [3.79M].

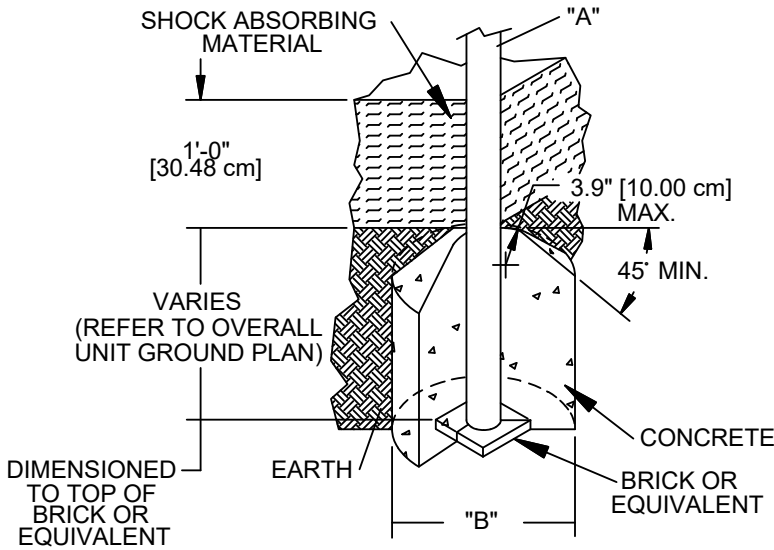
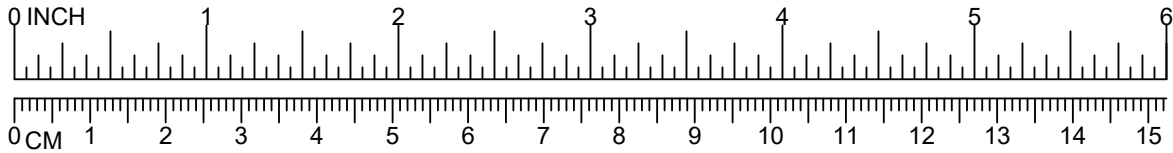
DETAILS -for- 81602

IMPORTANT

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

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

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



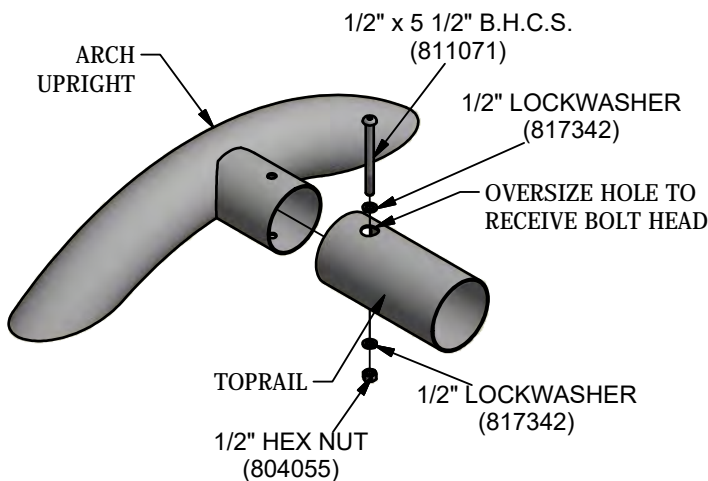
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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



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



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.

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 12/1/2020

81603 10' CENTER COMBO TWO-PLACE SWING

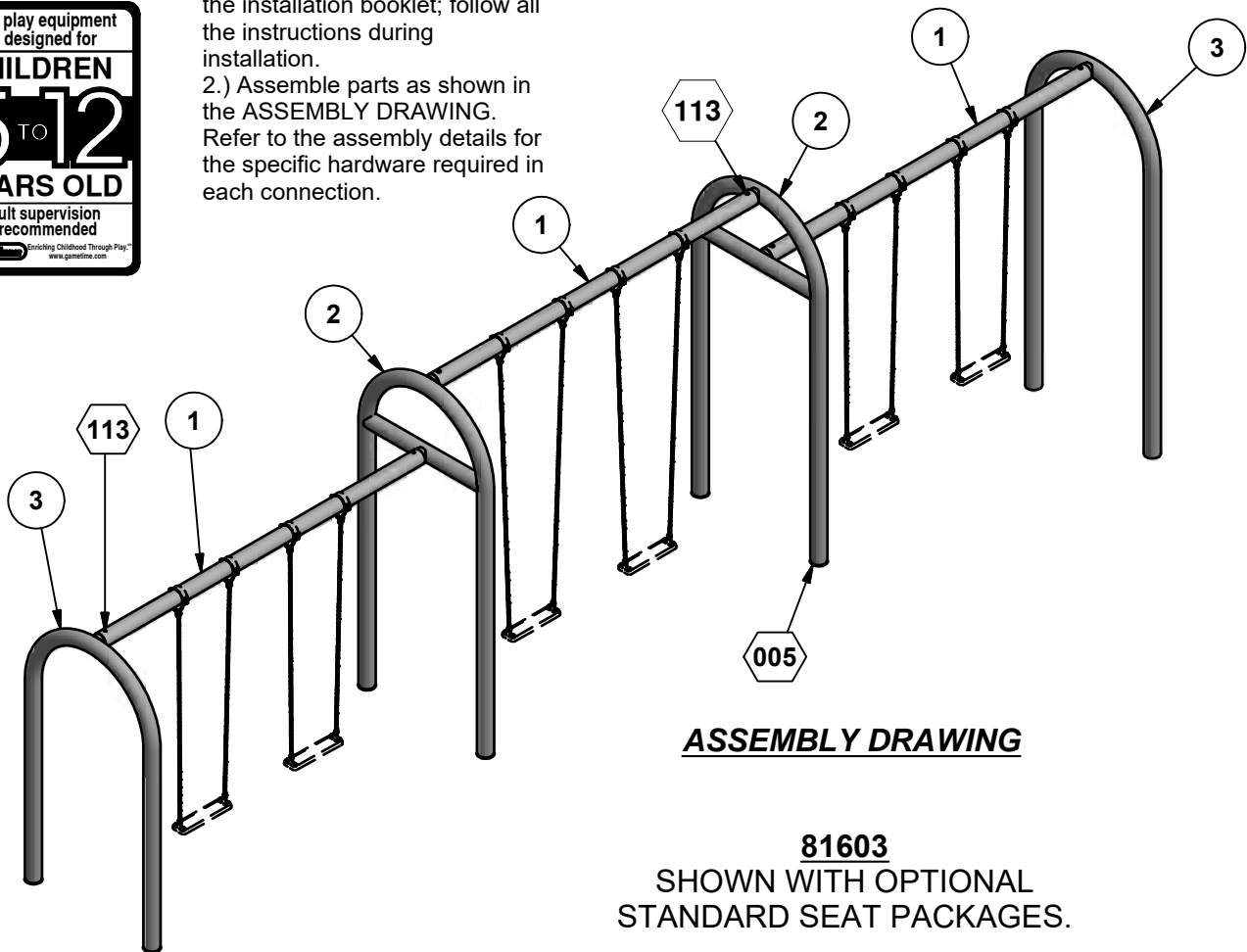
SEE 81599 FOR ADD-A-BAY

- ⬡ = INSTALLATION DETAIL
- = PARTS LIST REFERENCE



INSTALLATION INSTRUCTIONS

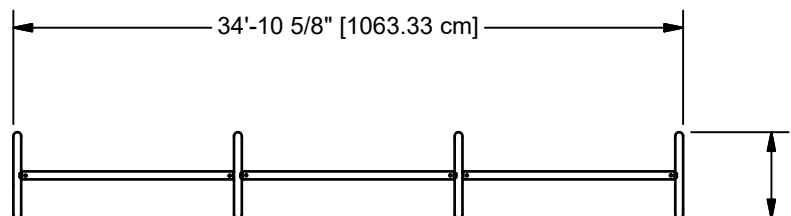
- 1.) Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- 2.) Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



ASSEMBLY DRAWING

81603
SHOWN WITH OPTIONAL
STANDARD SEAT PACKAGES.

NOTE: SWING SEAT PACKAGES SHOWN ON ASSEMBLY DRAWING NOT INCLUDED. SHOWN FOR ILLUSTRATION ONLY. SEE 4953 FOR SWING SEAT PACKAGES.

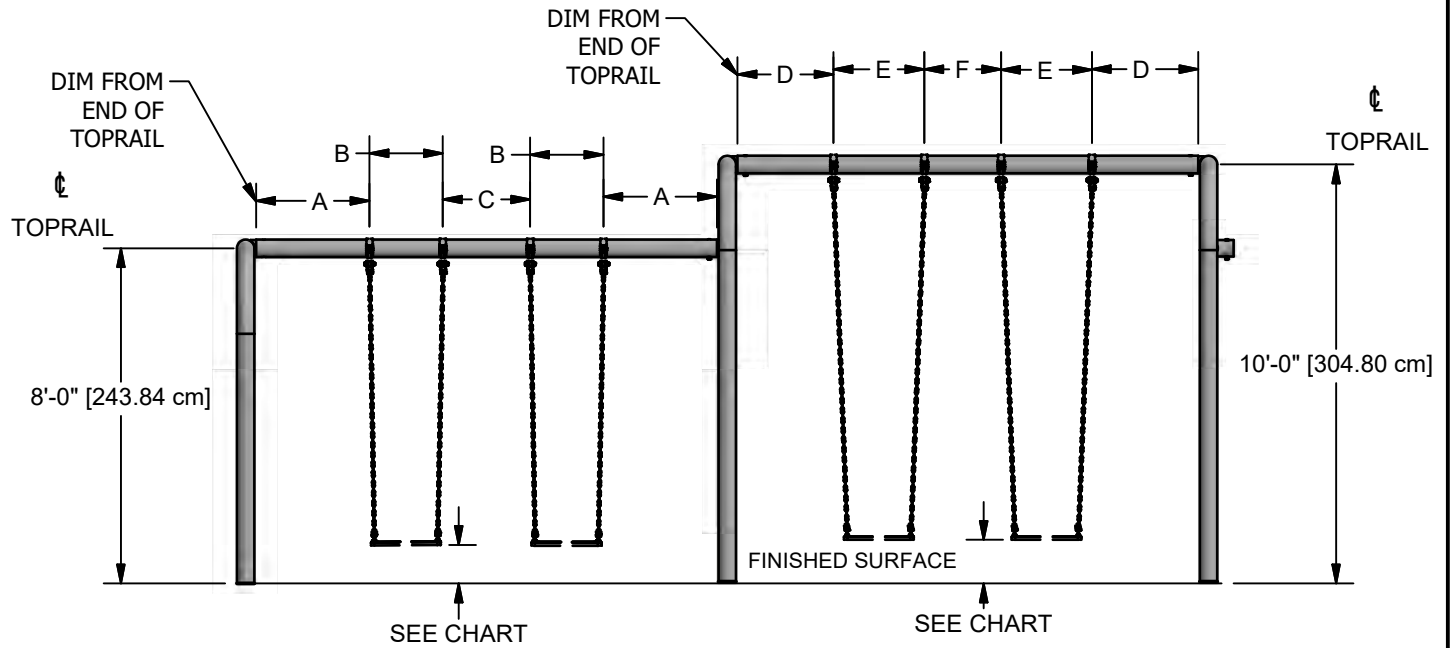


TOP VIEW

4'-6" [137.16 cm]

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

10' TOPRAIL HANGER LOCATIONS	
DIM D	2'-5" [73.66 cm]
DIM E	2'-2" [66.04 cm]
DIM F	1'-10" [55.88 cm]



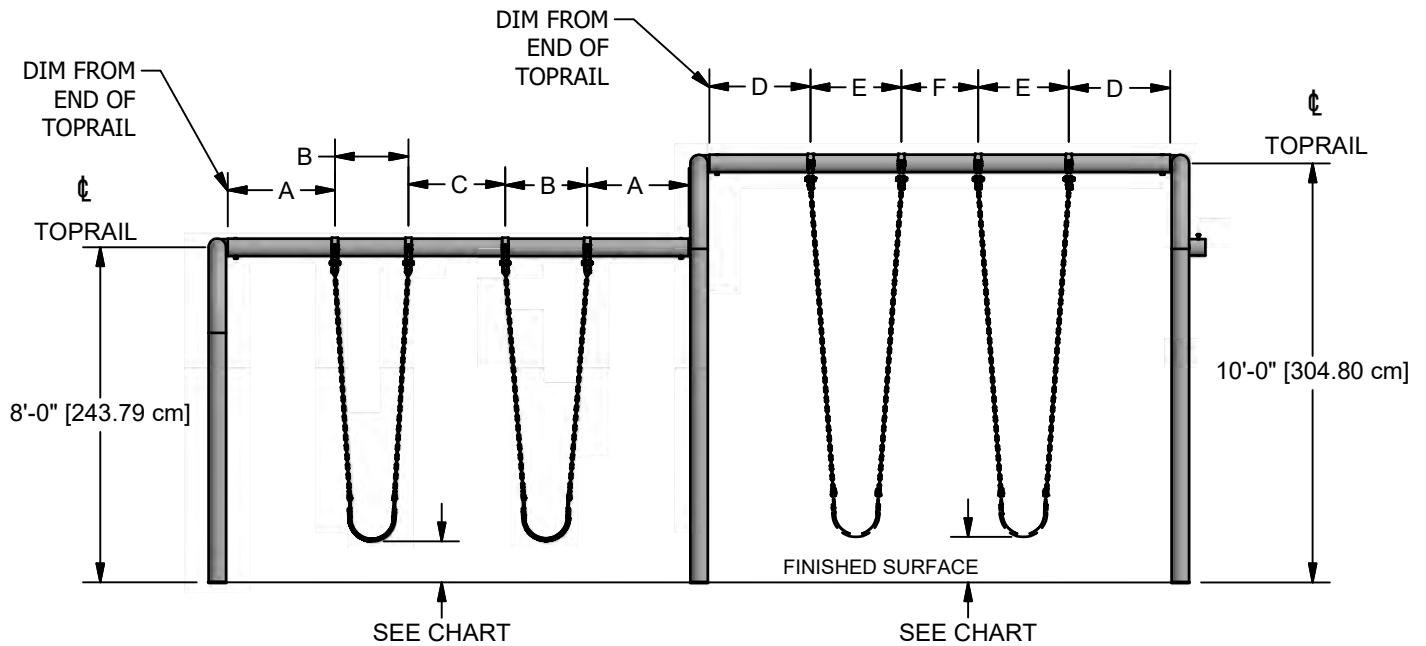
81603 SHOWN
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

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

MEASURED WHEN OCCUPIED BY MAXIMUM USERS

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

10' TOPRAIL HANGER LOCATIONS	
DIM D	2'-5" [73.66 cm]
DIM E	2'-2" [66.04 cm]
DIM F	1'-10" [55.88 cm]



81603 SHOWN
WITH OPTIONAL STANDARD
SEAT PACKAGES (NOT INCLUDED)

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

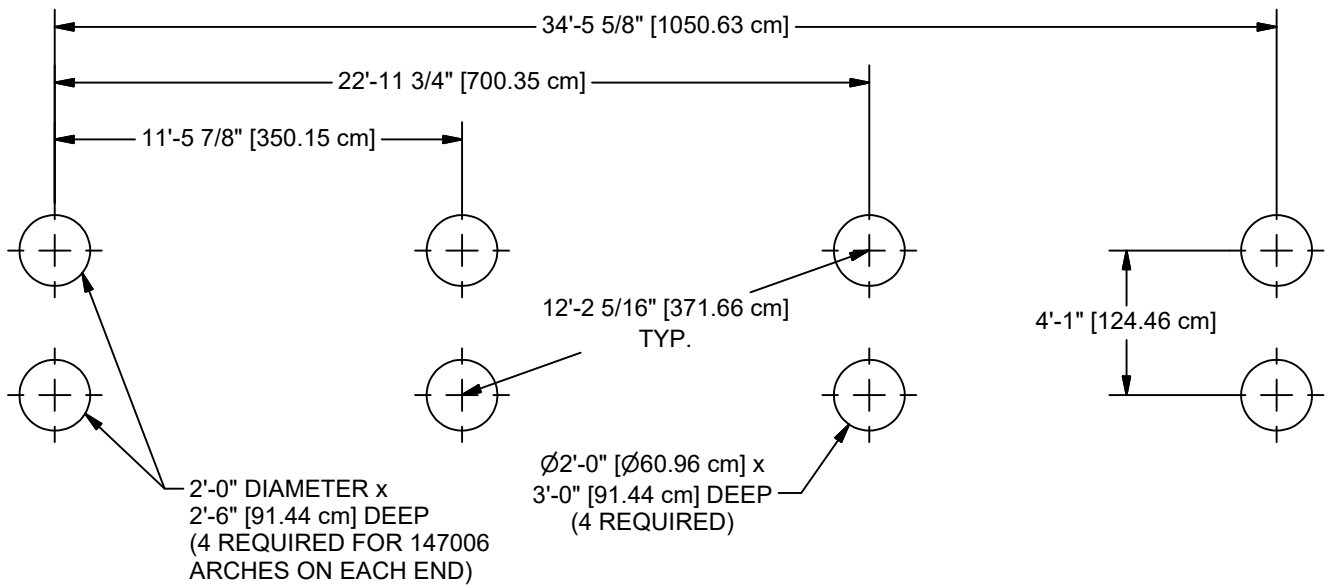
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

Parts List			
REF	DESCRIPTION	81603	PART NUMBER
1	TOP RAIL	3	208808
2	COMBO ARCH UPRIGHT WELD ASS'Y	2	214728
3	ARCH END UPRIGHT ASS'Y	2	147006
	HARDWARE COMPLETE	1	220337
	1/2" x 5 1/2" B.H.C.S.	6	811071*
	1/2" HEX NUT	6	804055*
	1/2" LOCKWASHER	12	817342*

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

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

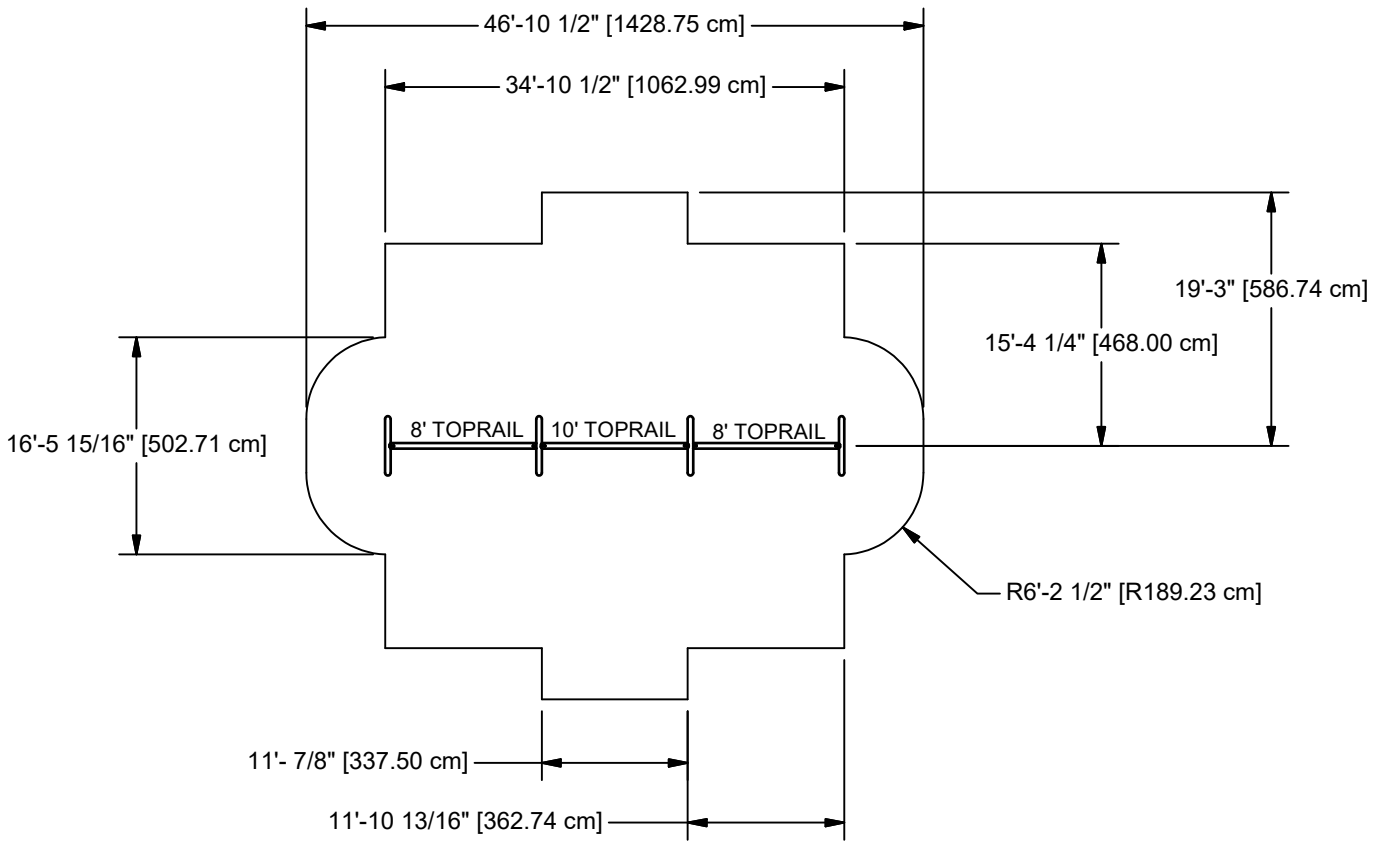
**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.**



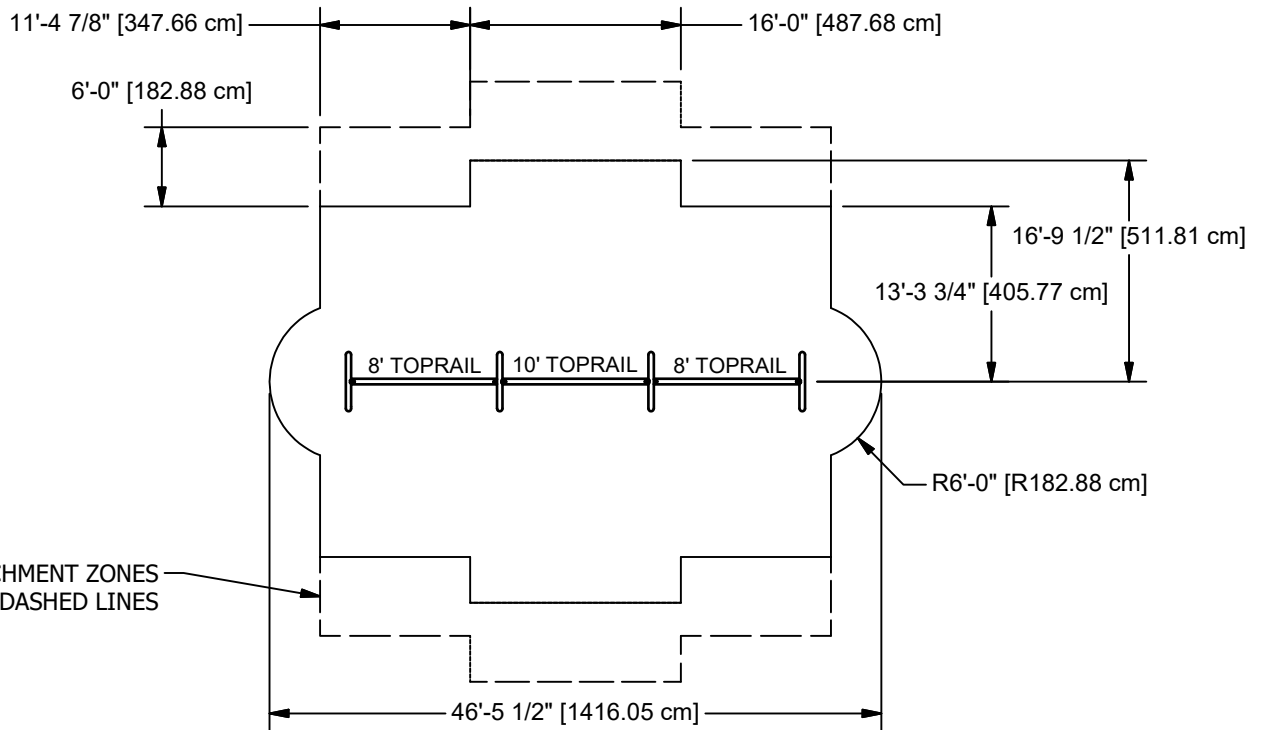
GROUND PLAN
81603

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:
.93 CUBIC YARDS
[.71 CUBIC METERS]



81603



81603 (CSA ONLY)

NO ENCROACHMENT ZONES SHOWN W/ DASHED LINES

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 11'-5 13/16" [3.79M].

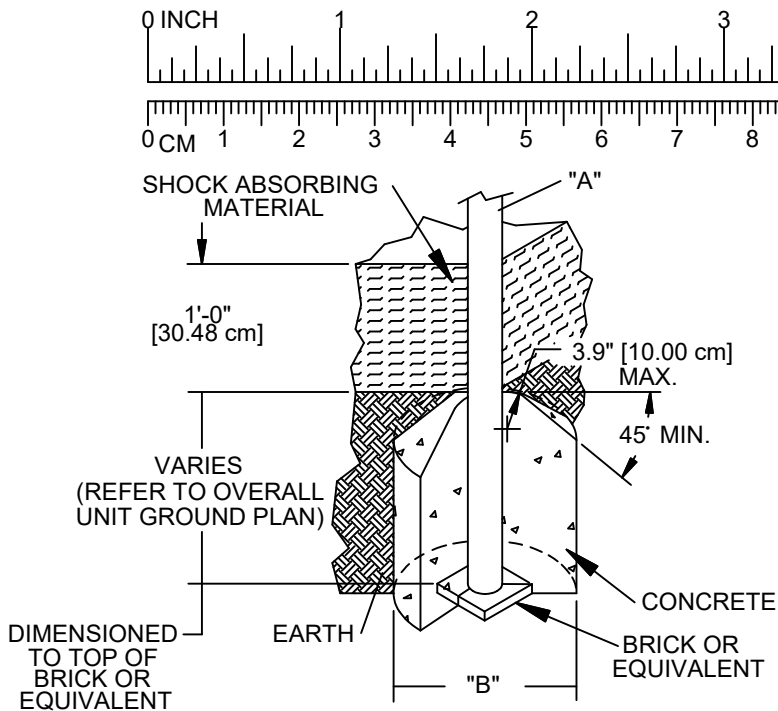
DETAILS -for- 81603

IMPORTANT

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

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

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



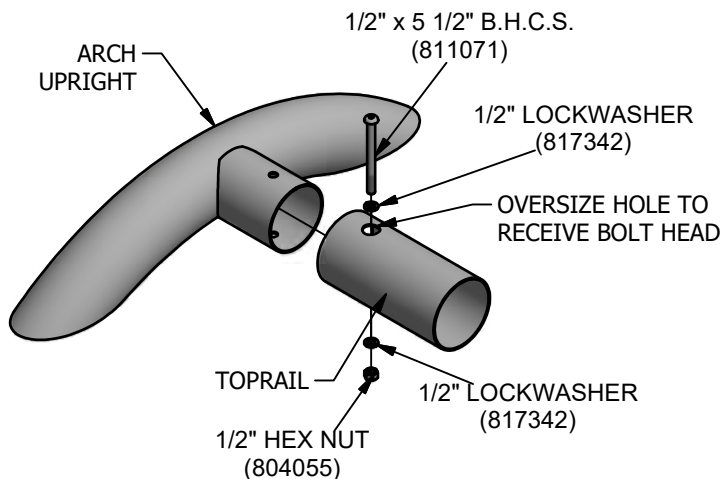
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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





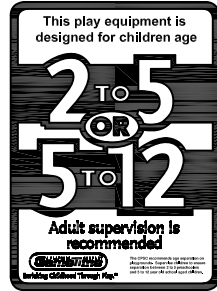
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



IMPORTANT

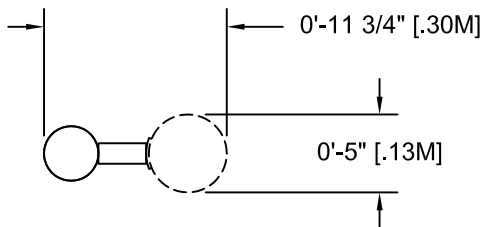
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

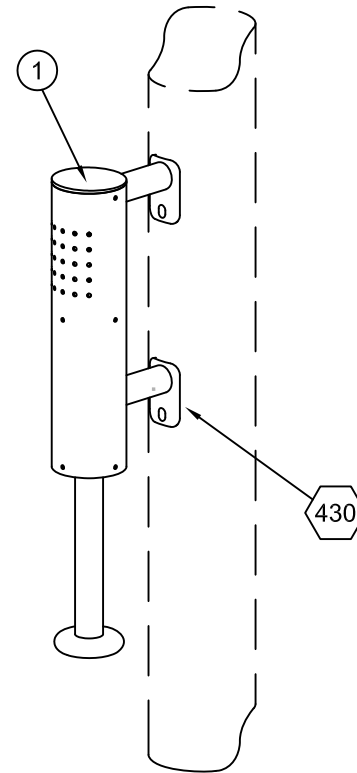


INSTALLATION INSTRUCTIONS

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	High Whistle	1	178214
	Hardware Complete	1	177390
	3/8" x 1 1/4" P.B.H.C.S.w/Patch	2	812051*
	3/8" Lockwasher	2	817334*
	3/8" Flatwasher	2	817410*

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

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

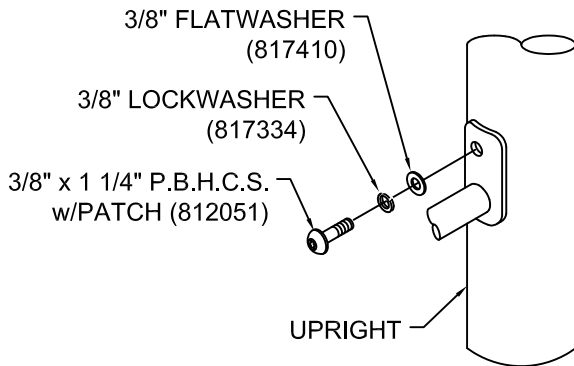
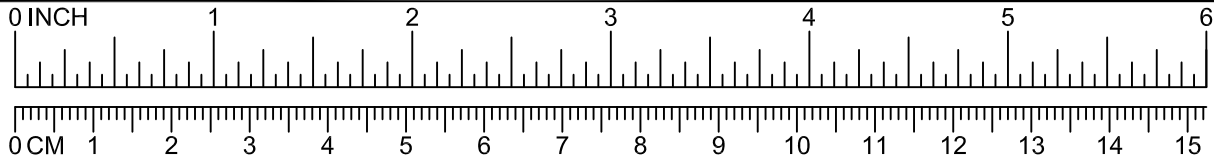
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81687

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.



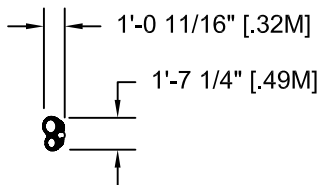
430

 = INSTALLATION
= DETAIL

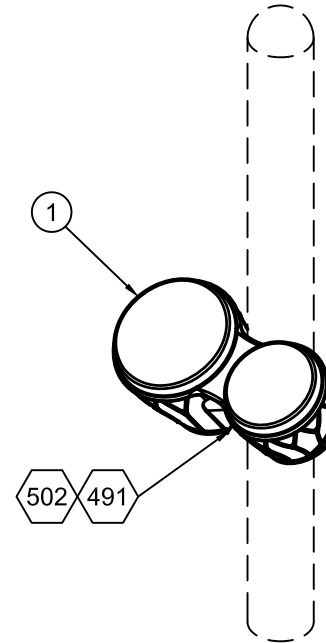
 = PARTS LIST
= REFERENCE

**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.

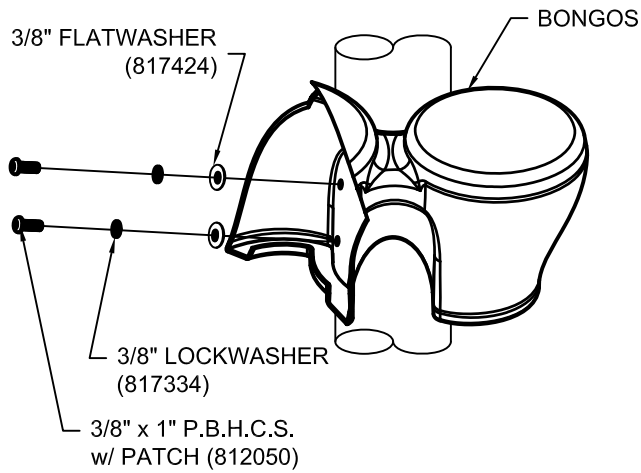
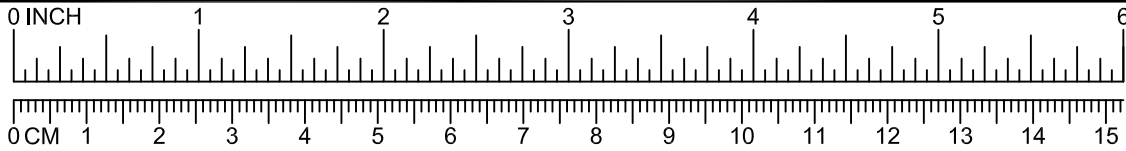
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81699

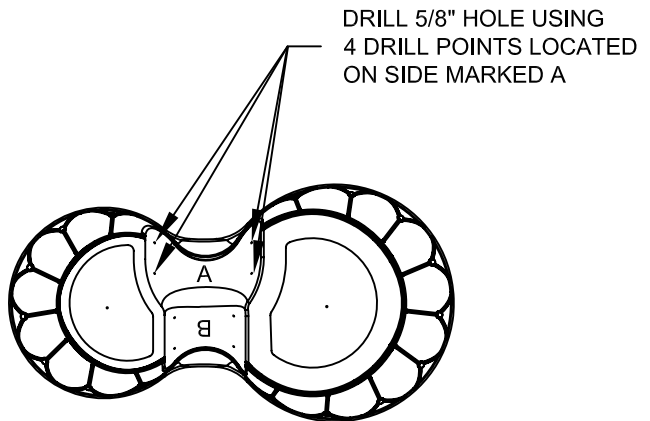
IMPORTANT

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



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 4/22/15

TRANSFER PLATFORM WITH BARRIER

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

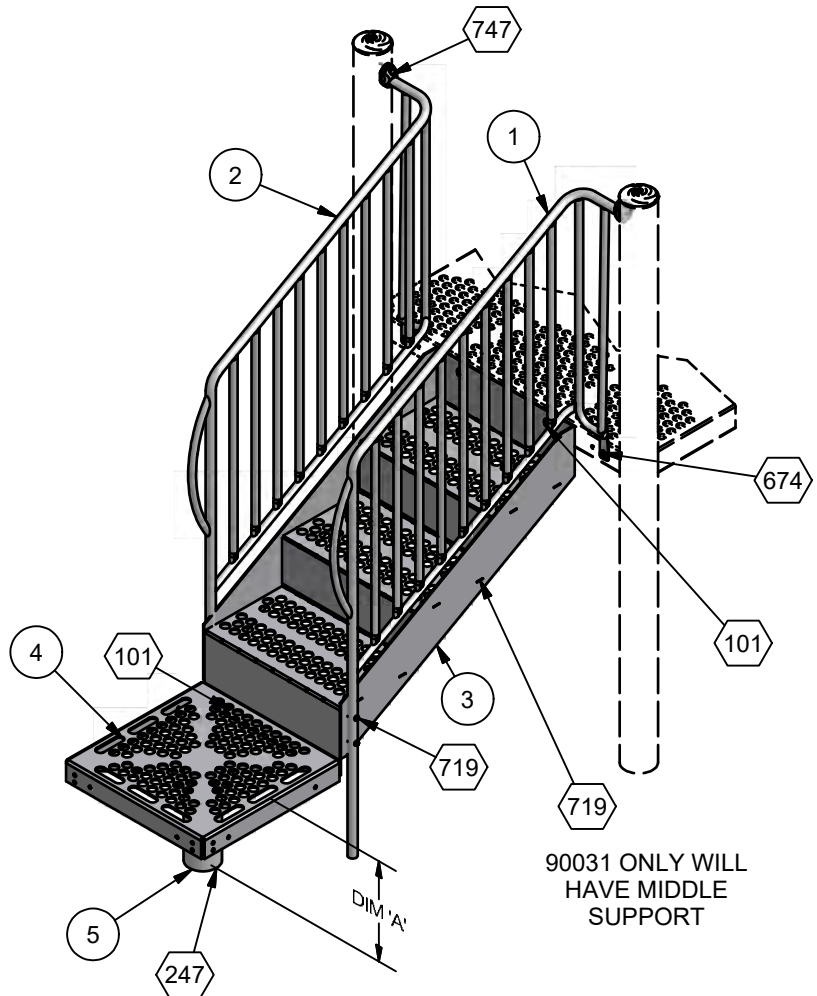
- 3'-0" RISE 90029
- 4'-0" RISE 90030
- 5'-0" RISE 90031



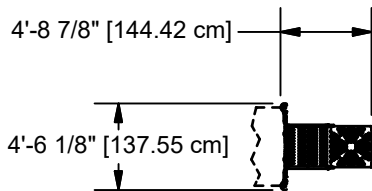
INSTALLATION INSTRUCTIONS

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.

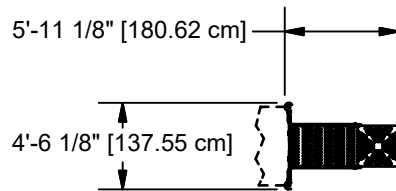
Table	
COMPONENT	DIM 'A'
90029	1'-0" [30.49 cm]
90030	1'-4" [40.64 cm]
90031	1'-0" [30.55 cm]



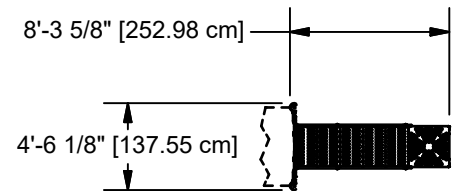
ASSEMBLY DRAWING 90030 SHOWN



90029

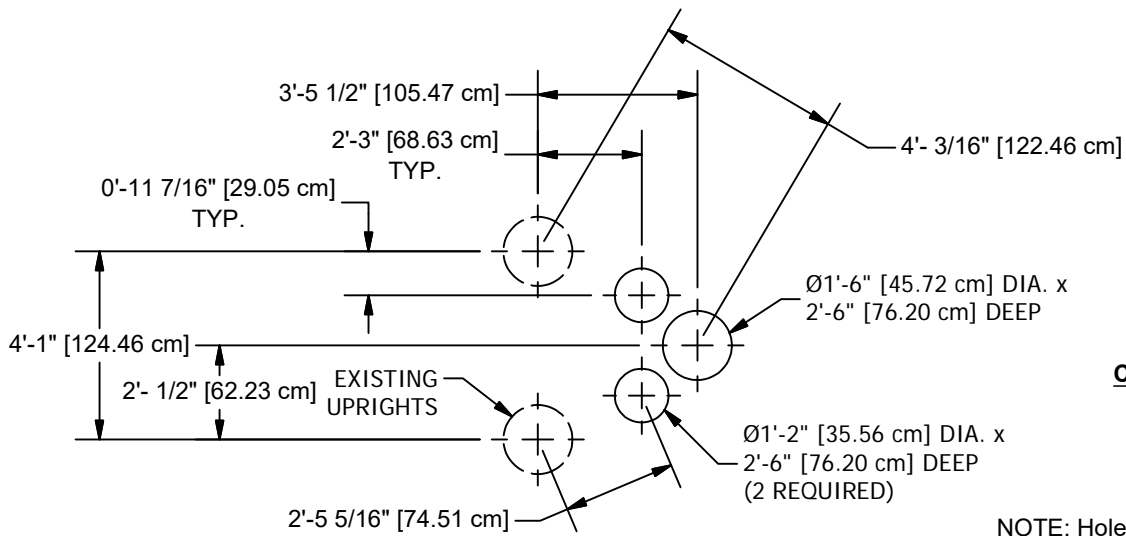


90030



90031

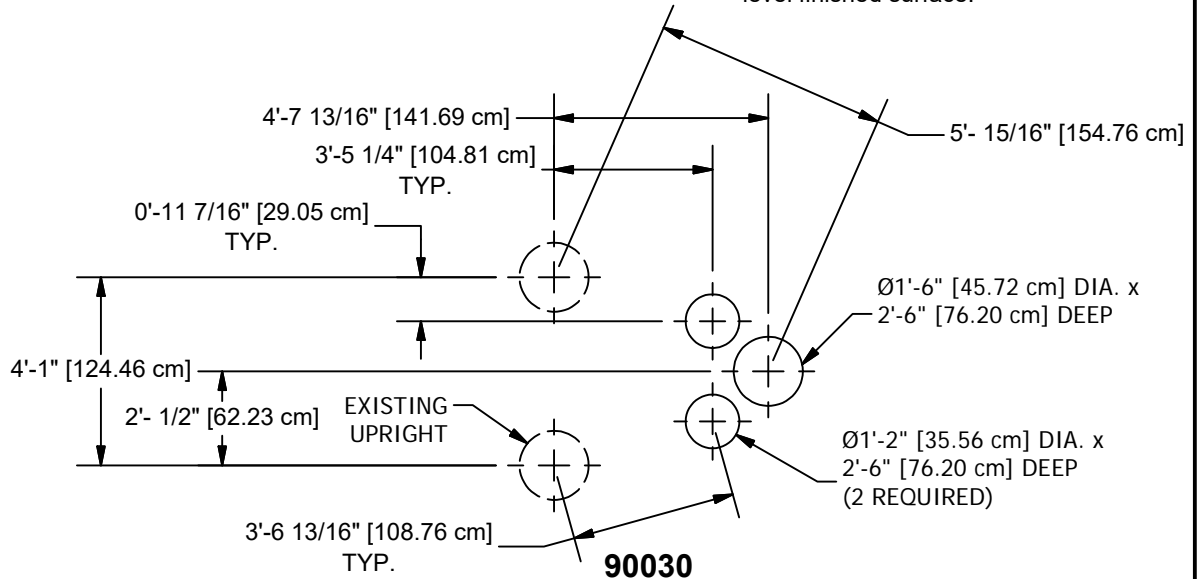
TOP VIEWS



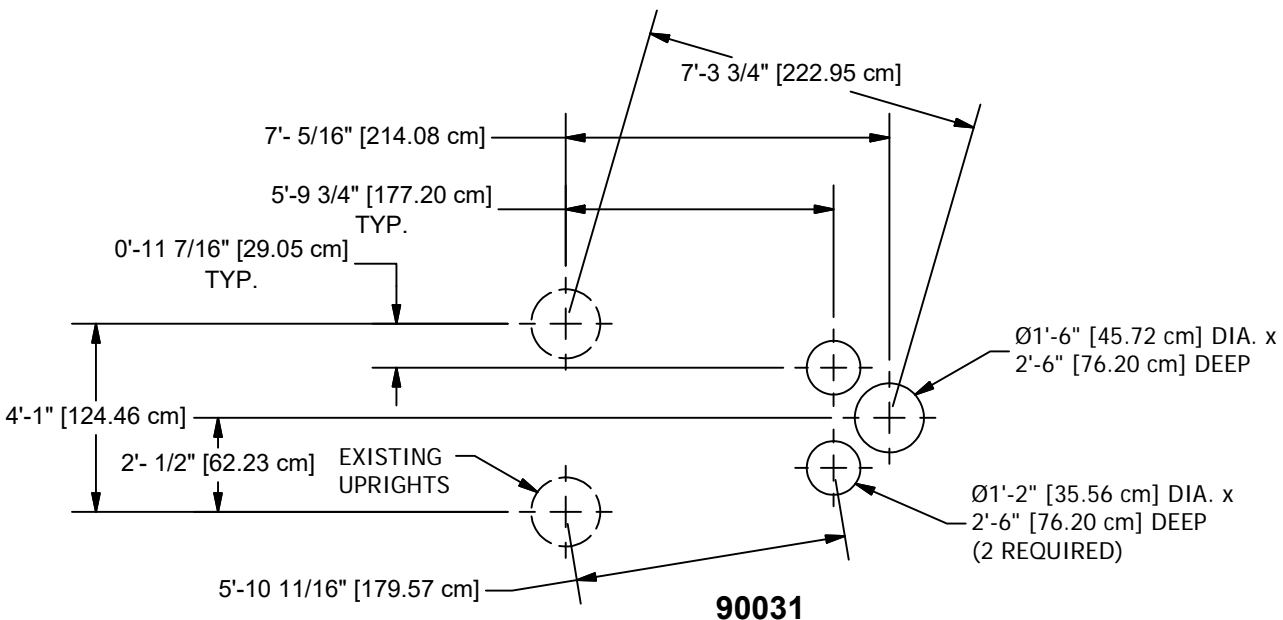
90029

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

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



90030



90031

GROUND PLANS

Parts List					
REF.	DESCRIPTION	90029	90030	90031	PART NUMBER
1	RIGHT BARRIER WELD ASSEMBLY	1	0	0	203499
1	RIGHT BARRIER WELD ASSEMBLY	0	1	0	203507
1	RIGHT BARRIER WELD ASSEMBLY	0	0	1	203515
2	LEFT BARRIER WELD ASSEMBLY	1	0	0	203503
2	LEFT BARRIER WELD ASSEMBLY	0	1	0	203511
2	LEFT BARRIER WELD ASSEMBLY	0	0	1	203519
3	STEP ASS'Y	1	0	0	160670
3	STEP ASS'Y	0	1	0	160674
3	STEP ASS'Y	0	0	1	160667
4	COATED PLATFORM	1	1	1	160645
5	UPRIGHT ASS'Y	1	0	1	157034
5	UPRIGHT ASS'Y	0	1	0	160662
	TRU-LOC	2	2	2	A03650
	HARDWARE COMPLETE	1	1	0	203565
	HARDWARE COMPLETE	0	0	1	210102
	3/8" x 3/4" P.B.H.C.S. w/PATCH	9	9	9	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	812055*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	8	812054*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	817424*
	3/8" LOCKWASHER	15	15	19	817334*
	3/8" T-NUT	13	13	17	804556*
	ALUM. PIN	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.

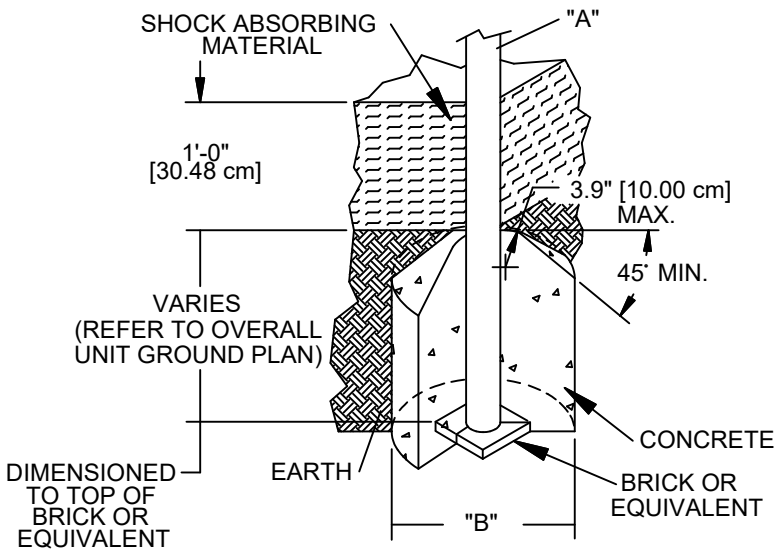
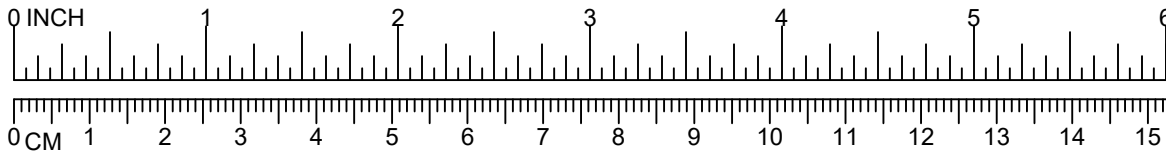
DETAILS -for- 90029, 90030, 90031

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.



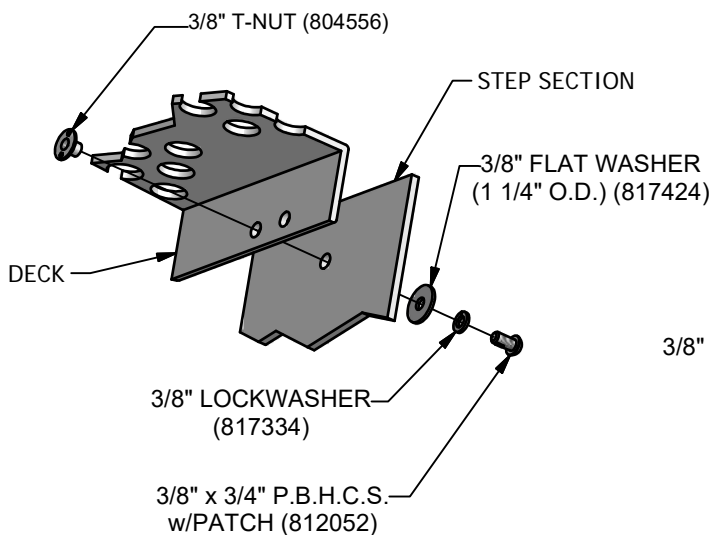
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

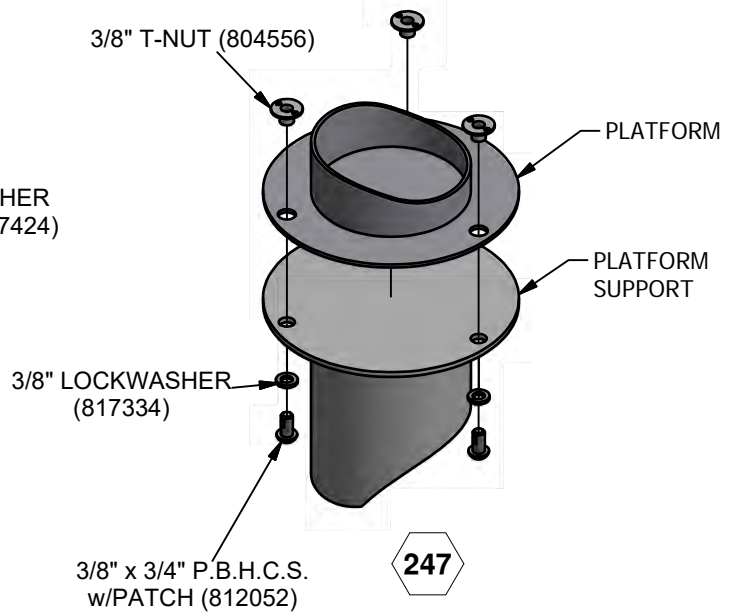
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



101



247

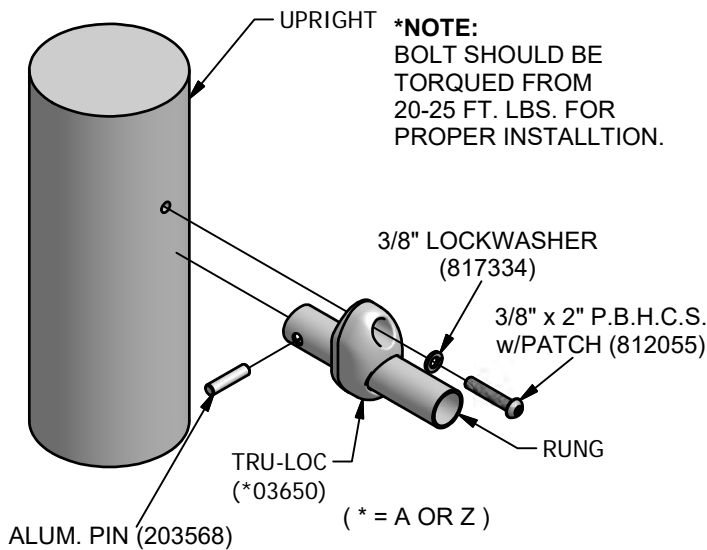
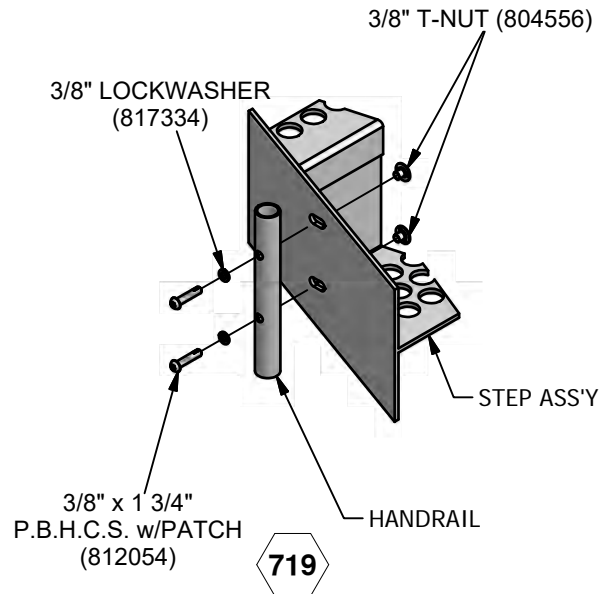
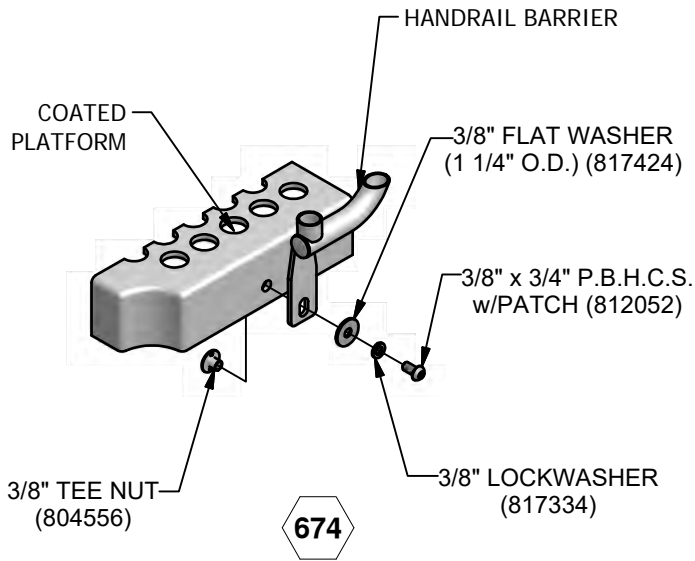
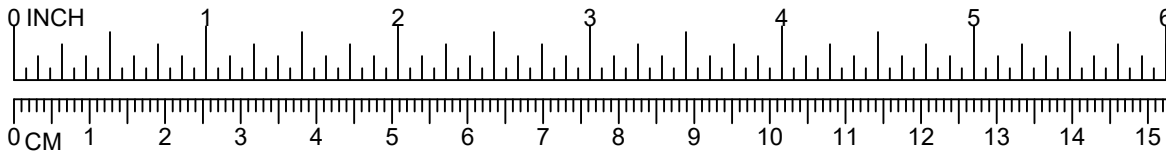
DETAILS -for- 90029, 90030, 90031

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



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 5/17/12

VERT WALL CLIMBER

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

4' VERT WALL CLIMBER 90138
8' VERT WALL CLIMBER 90139

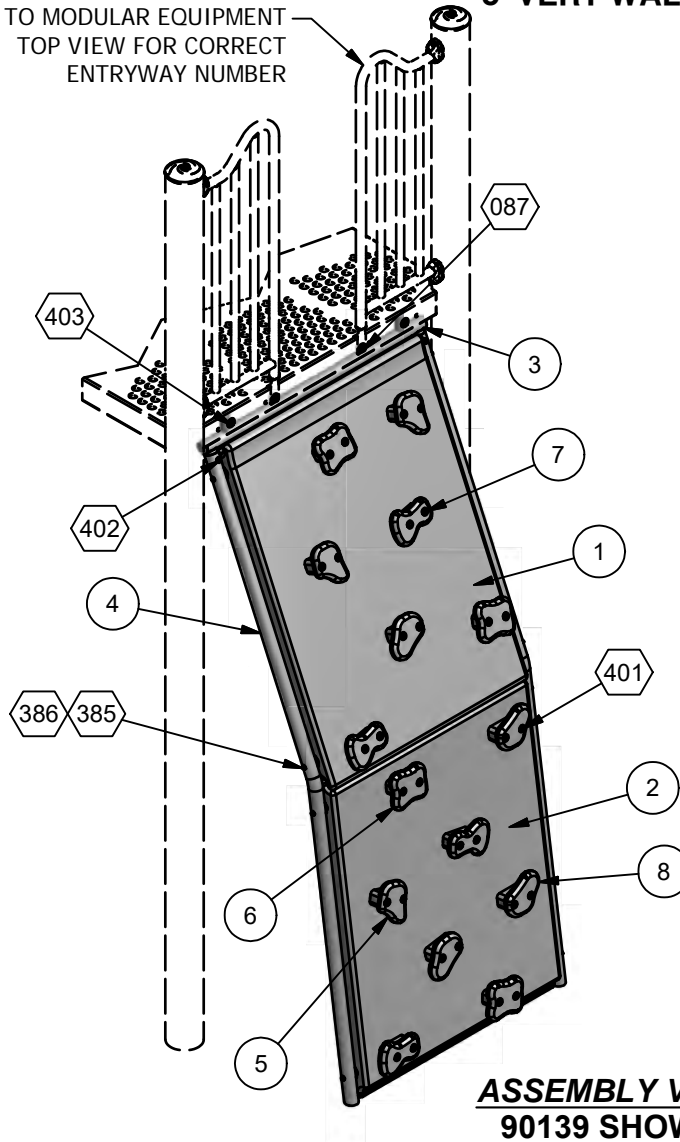
REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER



90138



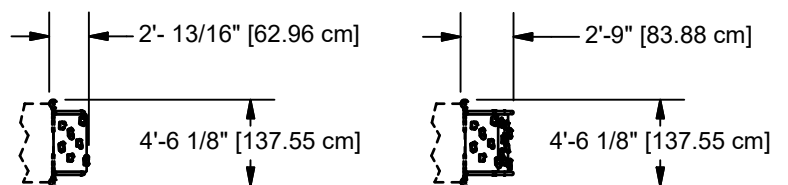
90139



ASSEMBLY VIEW
90139 SHOWN

INSTALLATION INSTRUCTIONS

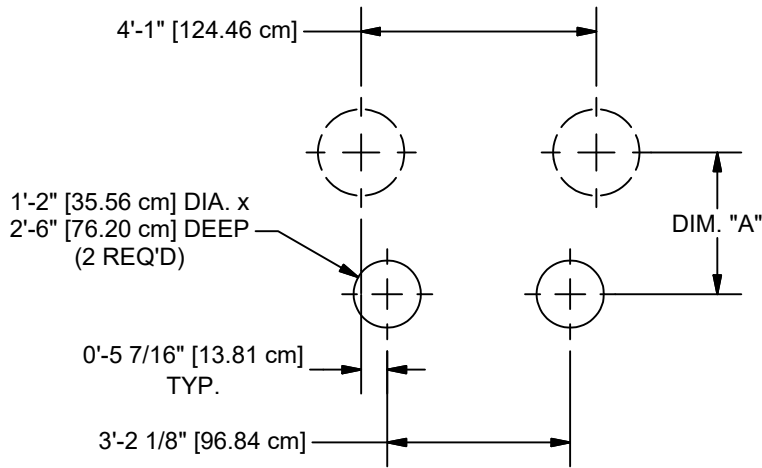
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



90138

90139

TOP VIEWS



REF.	DIM. "A"
90138	1'-7" [48.26 cm]
90139	2'-3 1/2" [69.85 cm]

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

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

GROUND PLAN

Parts List				
REF NO.	DESCRIPTION	90138	90139	PART NUMBER
1	FLAT WALL (TOP)	1	1	169238
2	FLAT WALL (BOTTOM)	0	1	169239
3	MOUNTING BRACKET	1	1	169646
4	4 FT. ATTACHMENT STRUT	2	0	169650
4	8 FT. ATTACHMENT STRUT	0	2	169651
	TAB	4	8	169532
5	MOLDED GRIP #1	2	3	165894*
6	MOLDED GRIP #2	2	4	165895*
7	MOLDED GRIP #3	2	4	165896*
8	MOLDED GRIP #4	1	4	165897*
	HARDWARE COMPLETE	1	0	203655
	HARDWARE COMPLETE	0	1	203656
	5/16" x 1" B.H.C.S.	4	8	811042*
	5/16" x 2" P.B.H.C.S. w/Patch	4	8	812046*
	5/16" FLAT WASHER (5/8" O.D.)	4	8	817406*
	5/16" LOCK WASHER	8	16	817330*
	5/16" T-NUT	4	8	804555*
	5/16" PIN-IN TORX BIT	2	2	812654*
	5/16" PIN-IN TORX KEY	2	2	812657*
	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	4	4	812055*
	3/8" x 4" HEX HEAD BOLT	14	30	801015*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" FLAT WASHER	14	30	817410*
	3/8" LOCKWASHER	20	36	817334*
	3/8" T-NUT	20	36	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.**

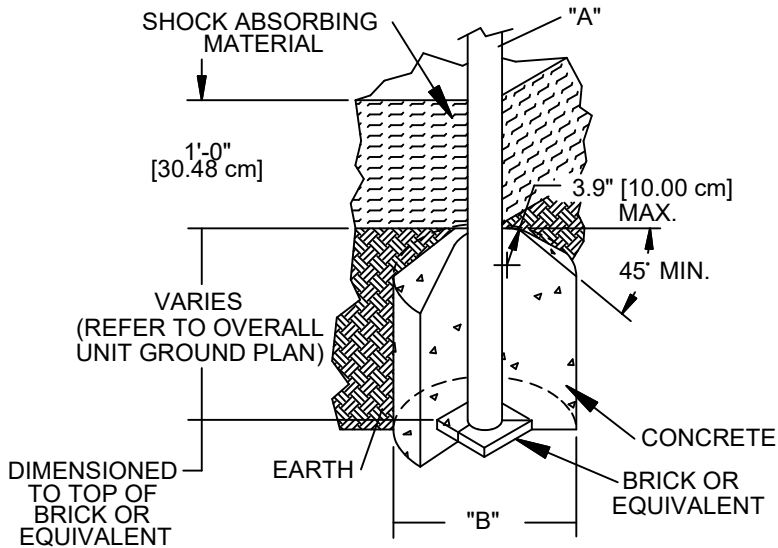
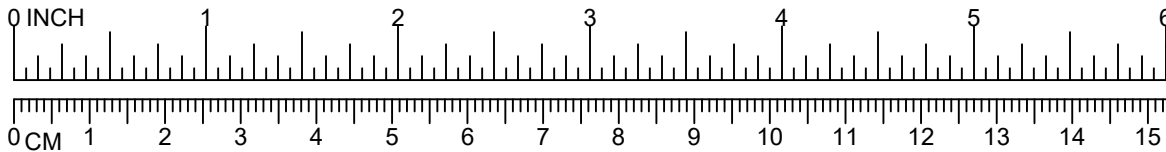
DETAILS -for- 90138 & 90139

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.



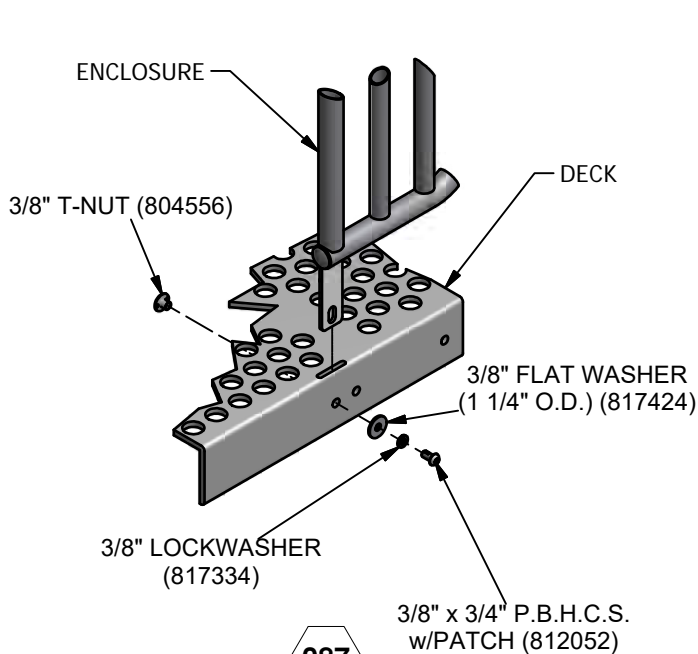
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

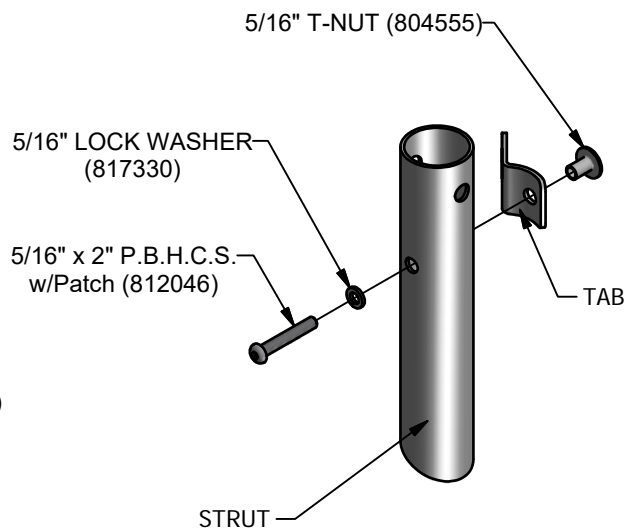
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



087



385

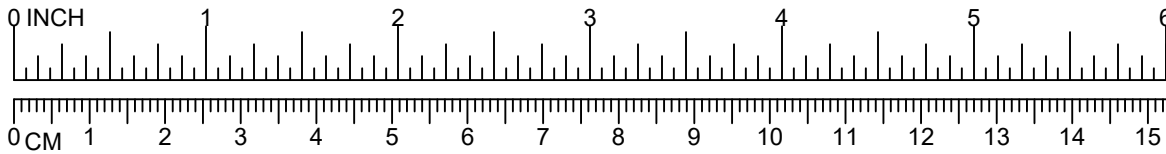
DETAILS -for- 90138 & 90139

IMPORTANT

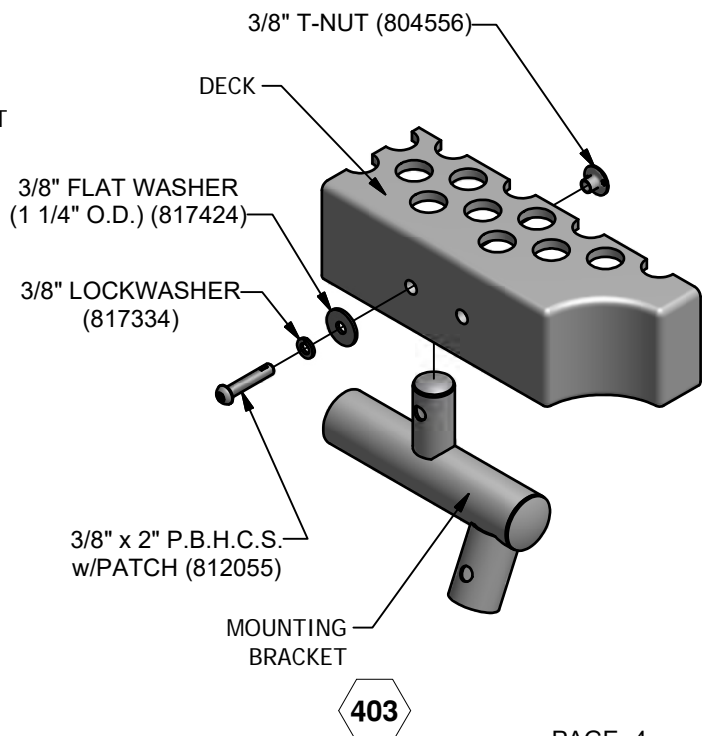
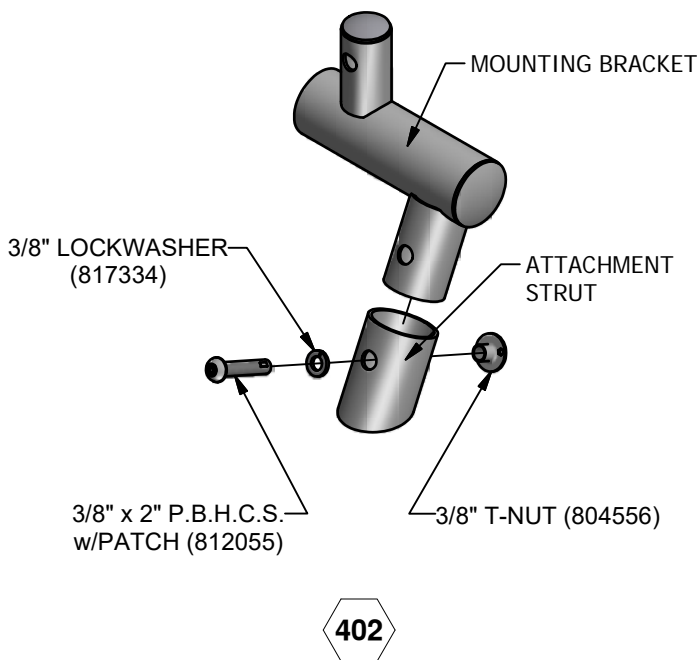
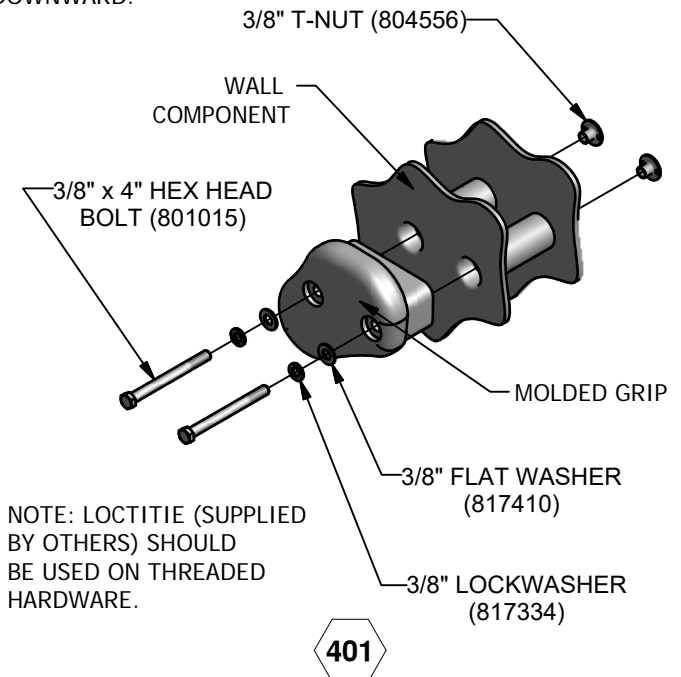
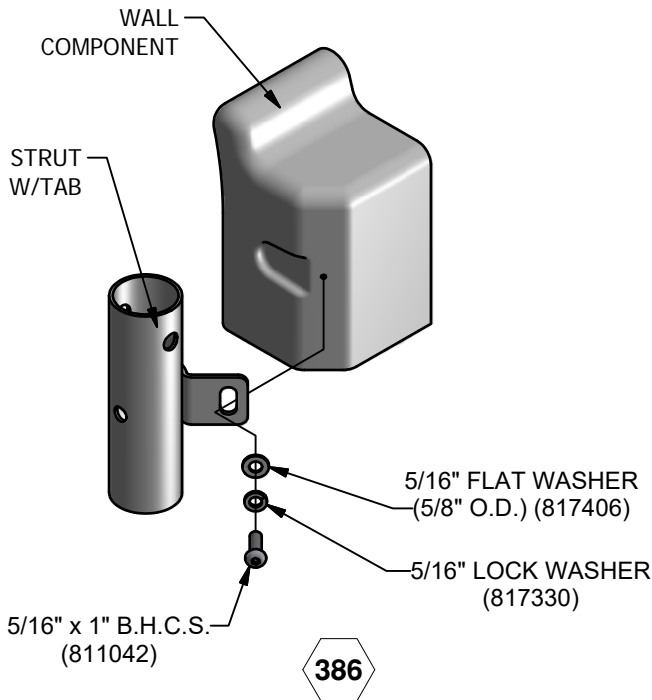
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



EDGE OF GRIP WITH LARGEST PROJECTION SHOULD FACE DOWNWARD.



PowerScape®

GameTime®



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

90222 RUNG ENCLOSURE (BARRIER)

w/ THUNDERRING (ABOVE DECK) 90222
w/ THUNDERRING (BELOW DECK) 90223

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

This play equipment is designed for

CHILDREN

2 TO 5

YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.game-time.com

90222
UP TO 5'-0"

90223
4'-0" TO 5'-0"

This play equipment is designed for

CHILDREN

5 TO 12

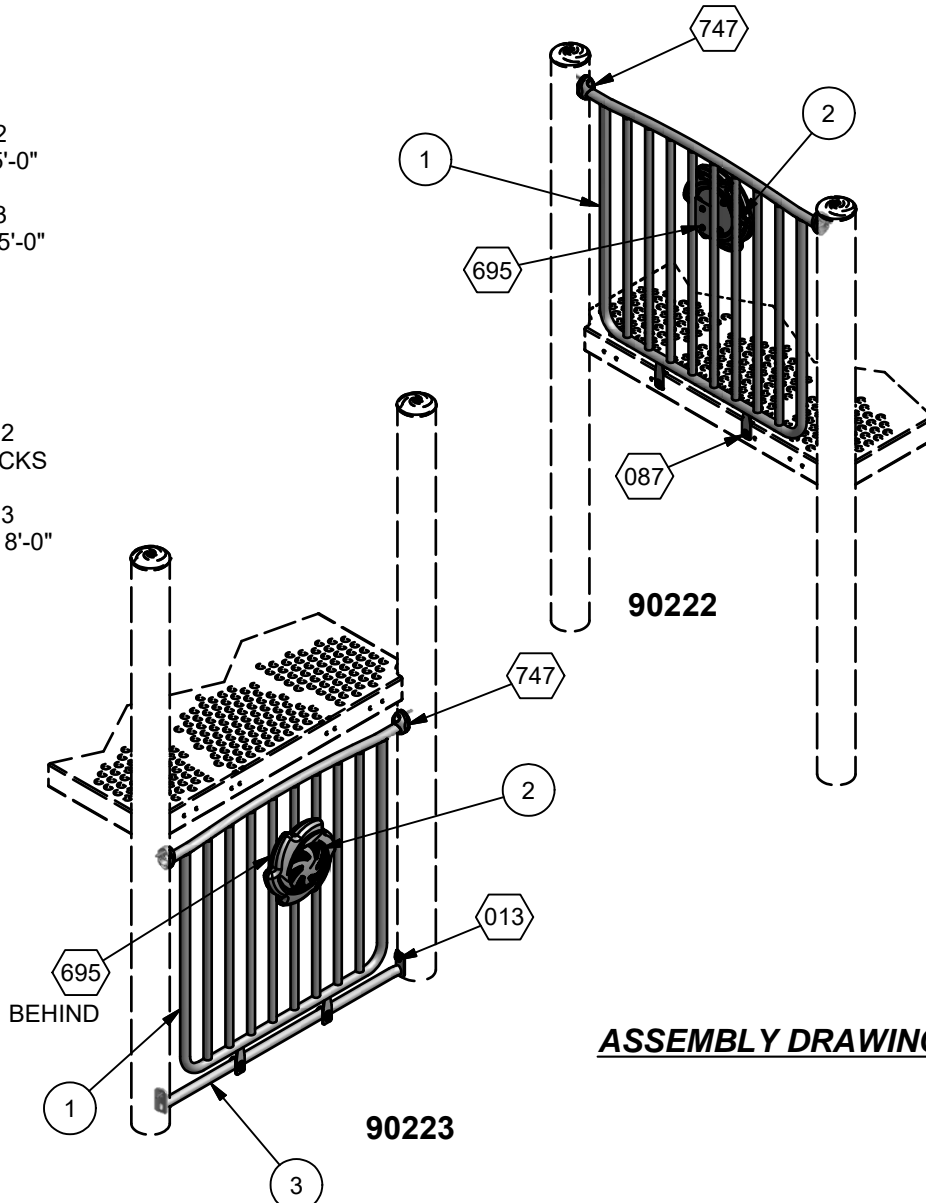
YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.game-time.com

90222
ALL DECKS

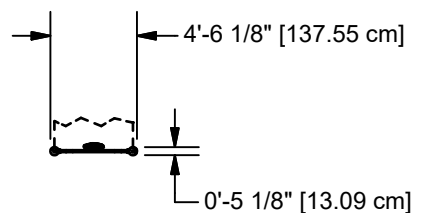
90223
4'-0" TO 8'-0"



ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installaion booklet; follow all the instructions during installaion.
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	90222	90223	PART NUMBER
1	RUNG ENCLOSURE	1	1	204228
2	THUNDER RING	1	1	179013
3	MOUNTING PIPE	0	1	203900
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	0	204263
	HARDWARE COMPLETE	0	1	204264
	ALUM. PIN	2	2	203568*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	2	812052*
	3/8" x 1 1/4" P.B.H.C.S w/PATCH	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" LOCKWASHER	6	8	817334*
	3/8" FLAT WASHER	2	2	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	4	817424*
	3/8" T-NUT	2	2	804556*
	3/8" ACORN NUT	2	2	804002*

*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.

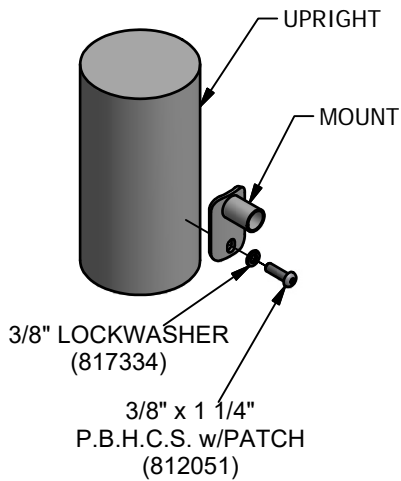
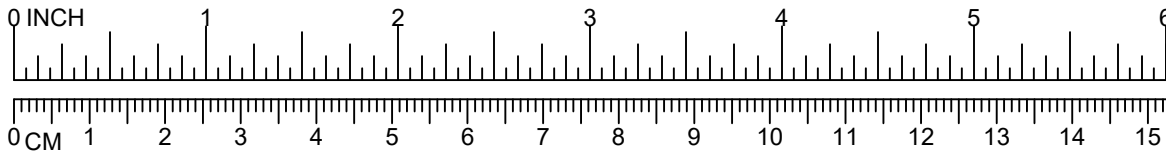
DETAILS -for- 90222 & 90223

IMPORTANT

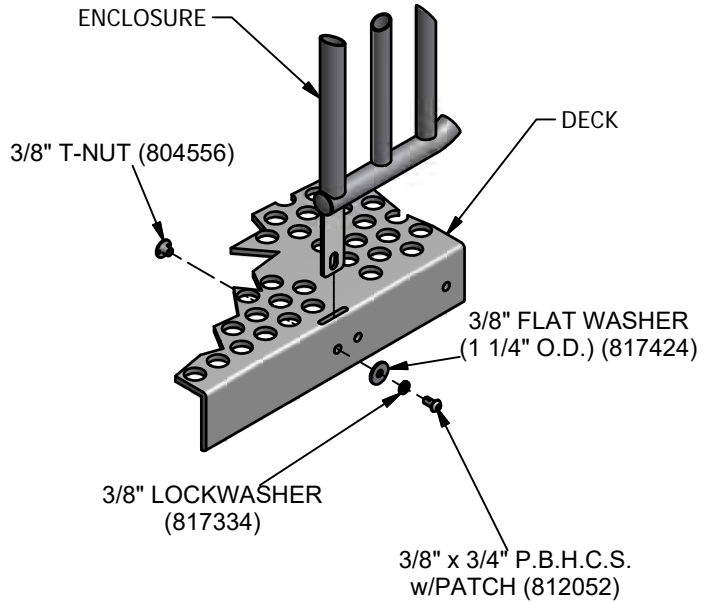
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

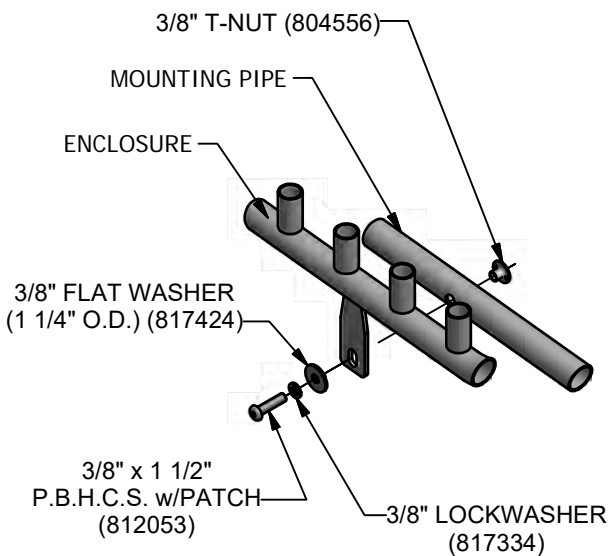
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



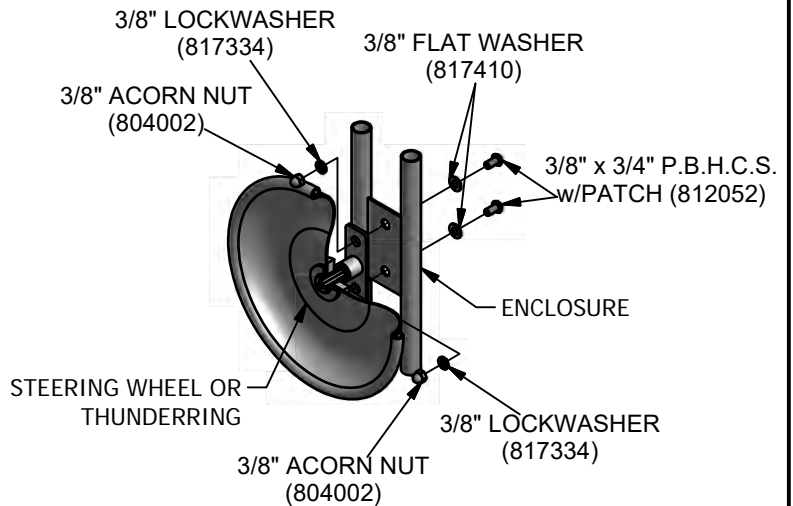
013



087



686



695

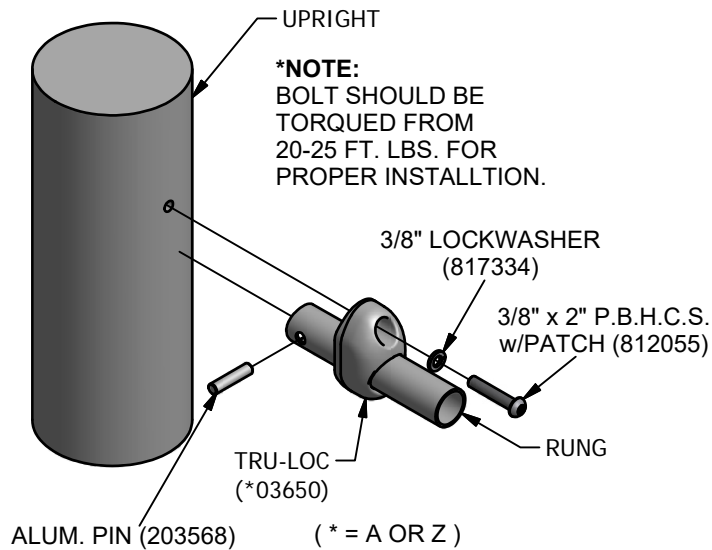
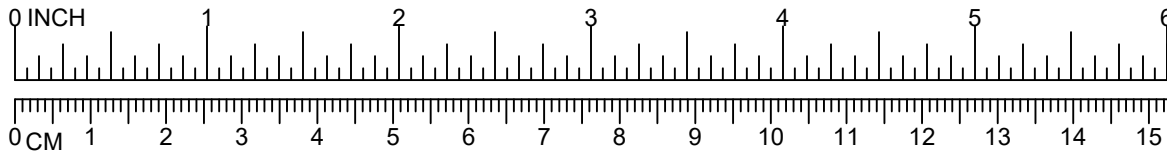
DETAILS -for- 90222 & 90223

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.



747



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 02/21/12

WAVY TREE CLIMBER

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER

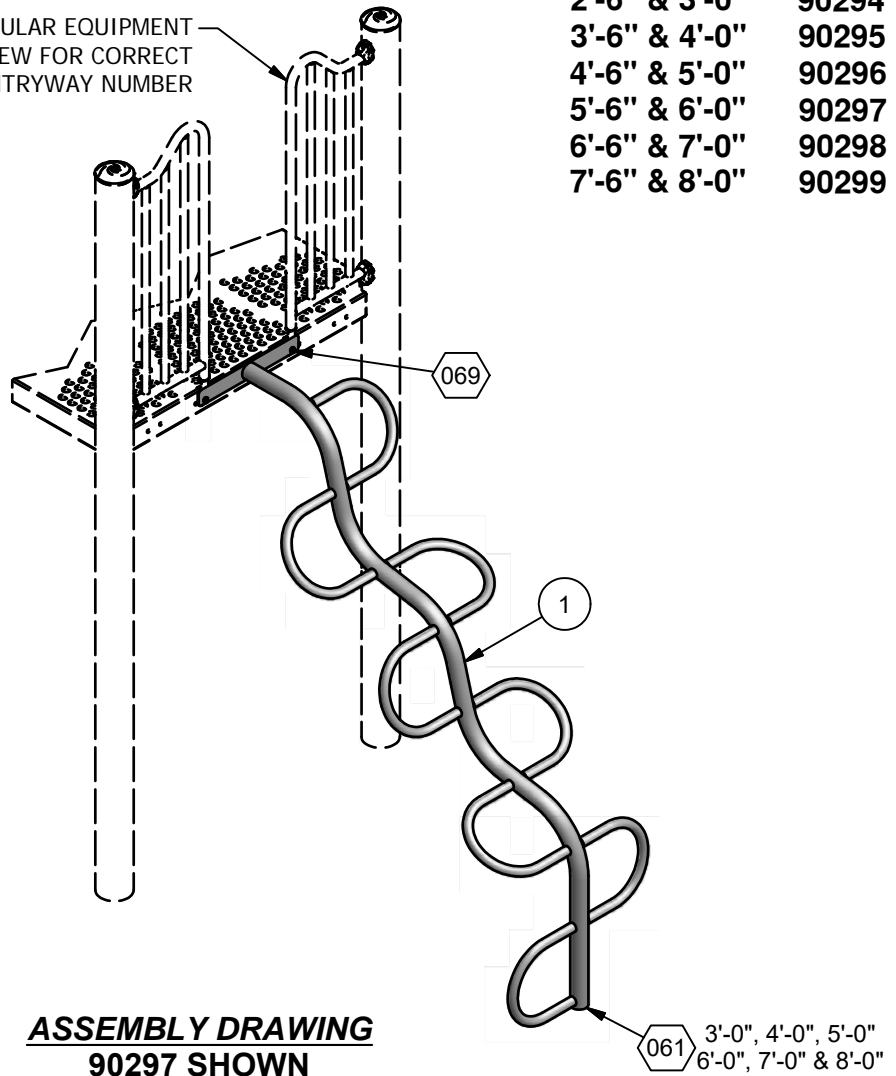
2'-6" & 3'-0"	90294
3'-6" & 4'-0"	90295
4'-6" & 5'-0"	90296
5'-6" & 6'-0"	90297
6'-6" & 7'-0"	90298
7'-6" & 8'-0"	90299



90294



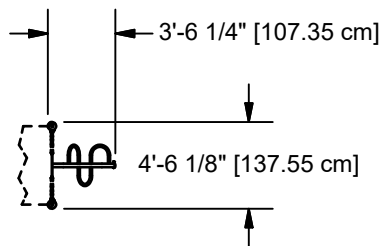
90295
90296
90297
90298
90299



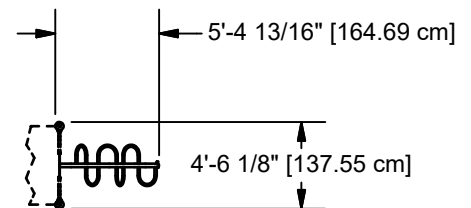
**ASSEMBLY DRAWING
90297 SHOWN**

INSTALLATION INSTRUCTIONS

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

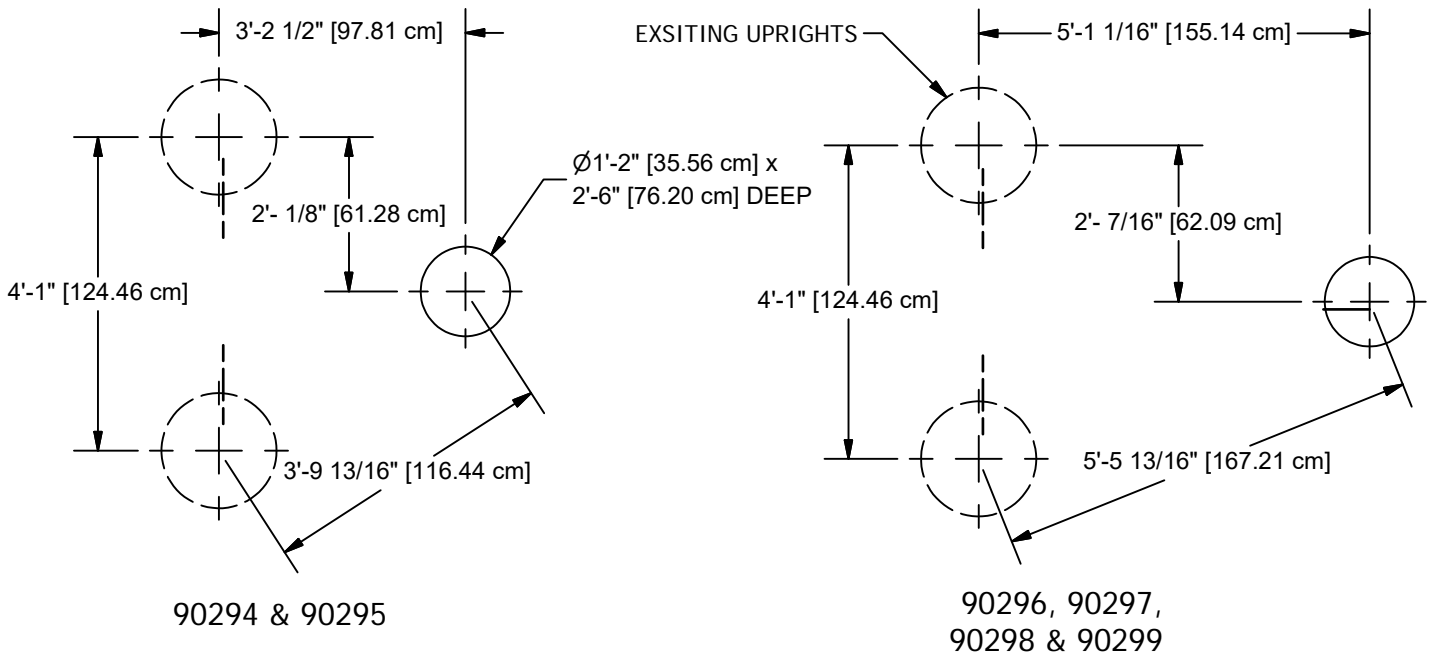


90294 & 90295



**90296, 90297,
90298 & 90299**

TOP VIEWS



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

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

GROUND PLANS

Parts List								
REF. NO.	DESCRIPTION	90294	90295	90296	90297	90298	90299	PART NUMBER
1	WAVY TREE CLIMBER (2'-6" & 3'-0")	1	0	0	0	0	0	157563
1	WAVY TREE CLIMBER (3'-6" & 4'-0")	0	1	0	0	0	0	157566
1	WAVY TREE CLIMBER (4'-6" & 5'-0")	0	0	1	0	0	0	157569
1	WAVY TREE CLIMBER (5'-6" & 6'-0")	0	0	0	1	0	0	202987
1	WAVY TREE CLIMBER (6'-6" & 7'-0")	0	0	0	0	1	0	203147
1	WAVY TREE CLIMBER (7'-6" & 8'-0")	0	0	0	0	0	1	203036
	HARDWARE COMPLETE	1	1	1	1	1	1	203649
	6" EXTENSION	1	1	1	1	1	1	151080*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" x 3 1/2" HEX HEAD BOLT	1	1	1	1	1	1	801013*
	3/8" LOCKWASHER	3	3	3	3	3	3	817334*
	3/8" HEX NUT	1	1	1	1	1	1	804053*
	3/8" T-NUT	2	2	2	2	2	2	804556*

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

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

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

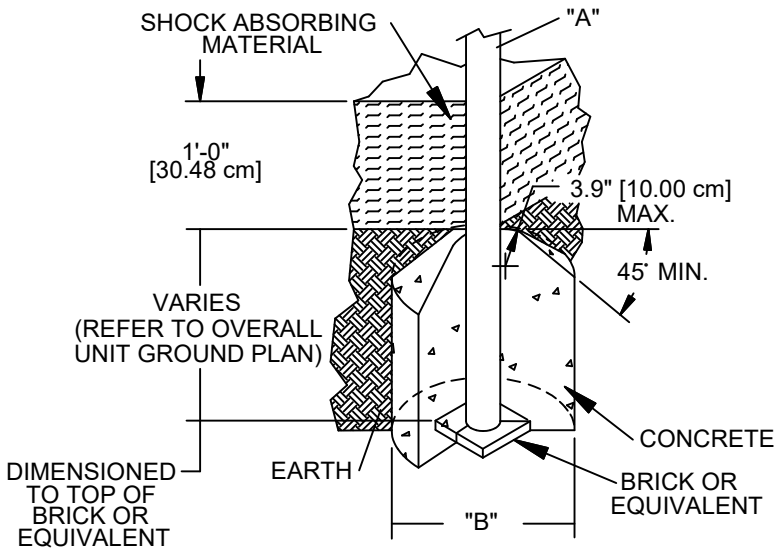
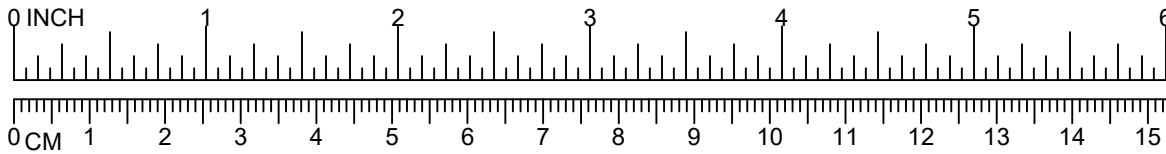
DETAILS -for- 90294, 90295, 90296, 90297, 90298 & 90299

IMPORTANT

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

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

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



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

NOTES:

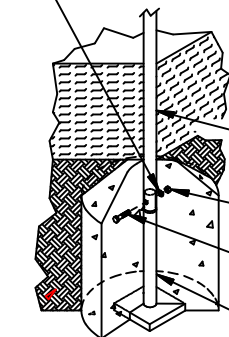
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

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

3/8" LOCKWASHER (817334)

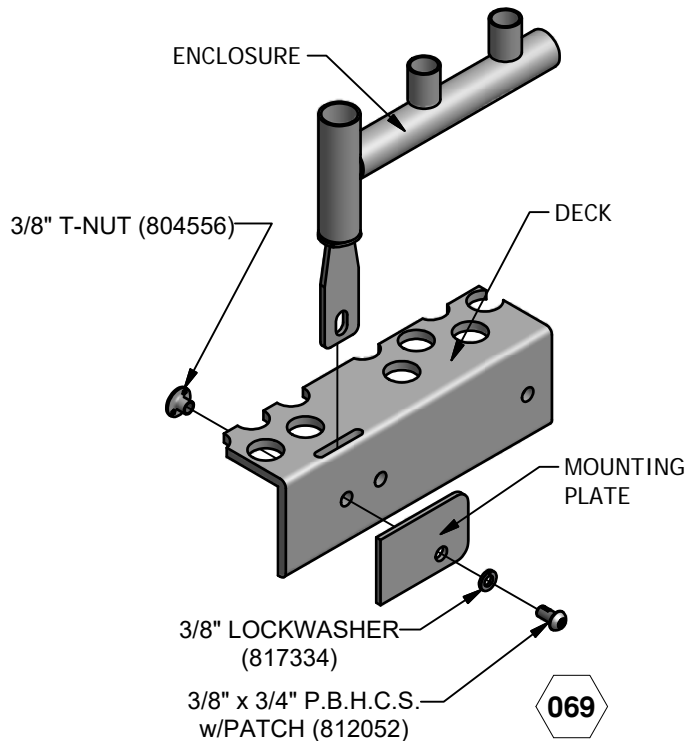


LEG, SEE CHART FOR SIZE

3/8" HEX NUT (804053)

SEE CHART FOR SIZE

EXTENSION



ENCLOSURE

3/8" T-NUT (804556)

DECK

MOUNTING PLATE

3/8" LOCKWASHER (817334)

3/8" x 3/4" P.B.H.C.S. w/PATCH (812052)



PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/7/13

90305 ARCHWAY w/ SOCKET

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

This play equipment is designed for

CHILDREN

2 TO 5

YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

90305
2'-6"
OR
BELOW

This play equipment is designed for children age

2 TO 5

OR

5 TO 12

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

90306

This play equipment is designed for

CHILDREN

5 TO 12

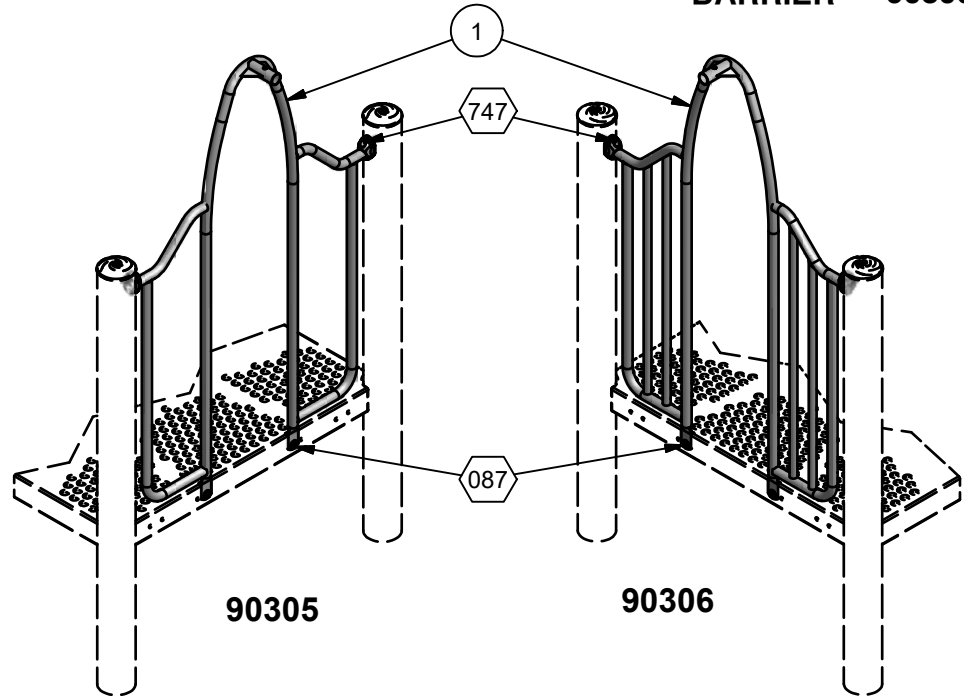
YEARS OLD

Adult supervision is recommended

Enriching Childhood Through Play™
www.gametime.com

90305
4'-0"
OR
BELOW

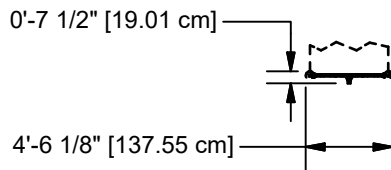
GUARDRAIL 90305
BARRIER 90306



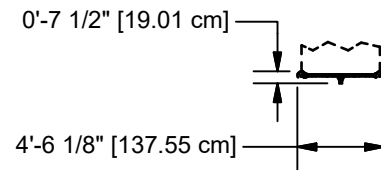
ASSEMBLY DRAWINGS

INSTALLATION INSTRUCTIONS

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



90305



90306

TOP VIEWS

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

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

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

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

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

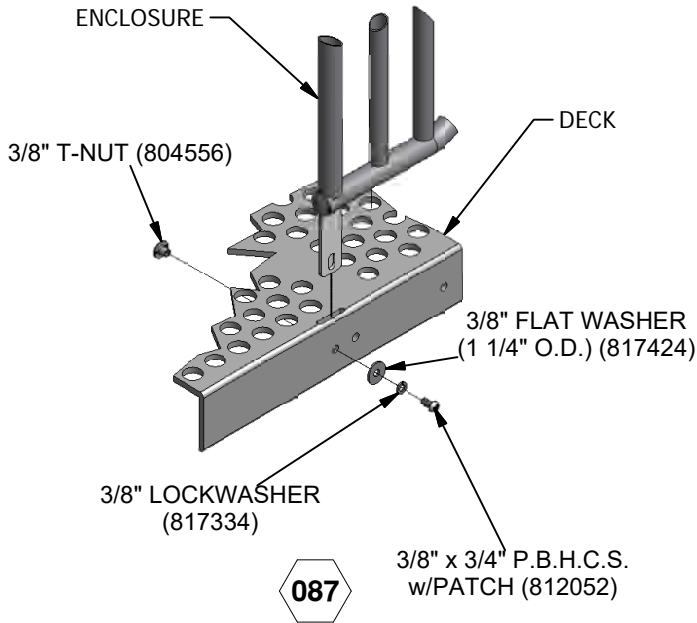
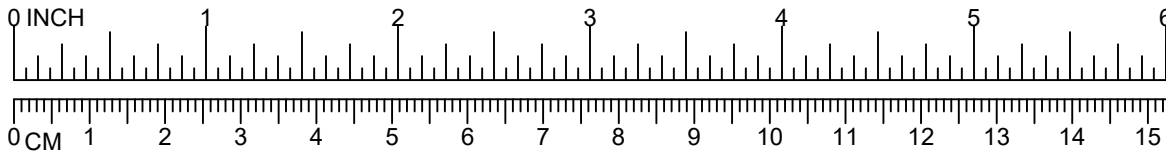
DETAILS -for- 90305 & 90306

IMPORTANT

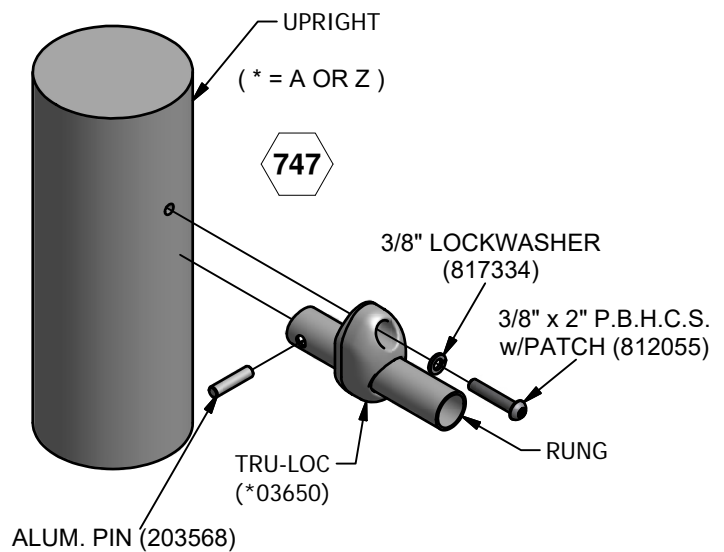
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



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



PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/19/20

90354 COUNTER PANEL

⬡ = INSTALLATION
DETAIL

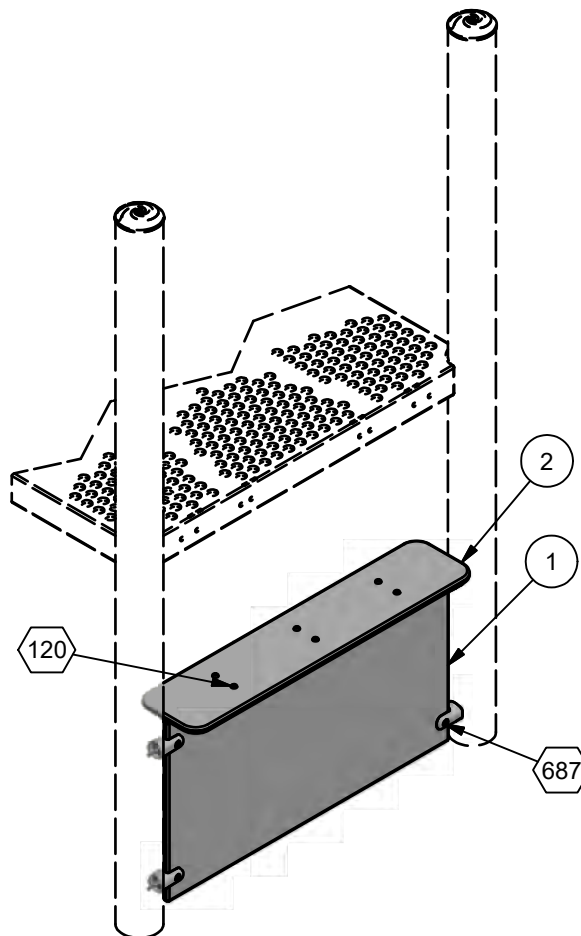
○ = PARTS LIST
REFERENCE



4'-0" TO 5'-0"
DECK HEIGHTS



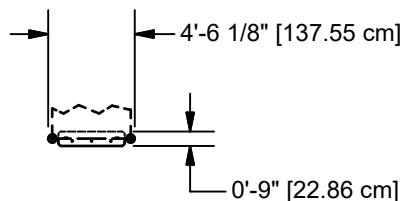
4'-0" TO 8'-0"
DECK HEIGHTS



ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

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



TOP VIEW

Parts List			
REF.	DESCRIPTION	90354	PART NUMBER
1	ENCLOSURE	1	203905
2	SEAT	1	203906
	TRU-LOC PANEL ATTACHMENT	4	G03861
	L-BRACKET	6	200205
	HARDWARE COMPLETE	1	203907
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	6	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	3	812053*
	3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
	3/8" LOCK WASHER	17	817334*
	3/8" HEX NUT	9	804053*
	3/8" T-NUT	4	804556*

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

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

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

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

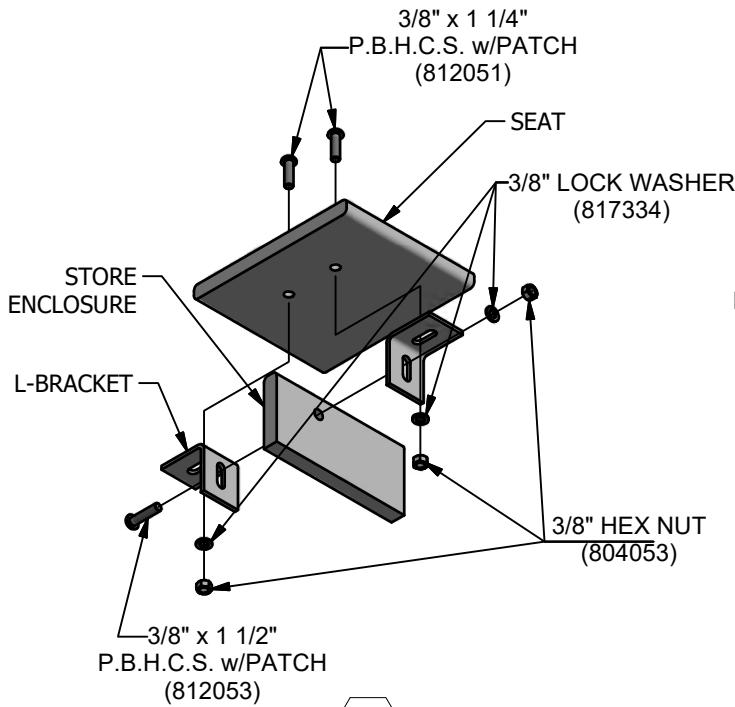
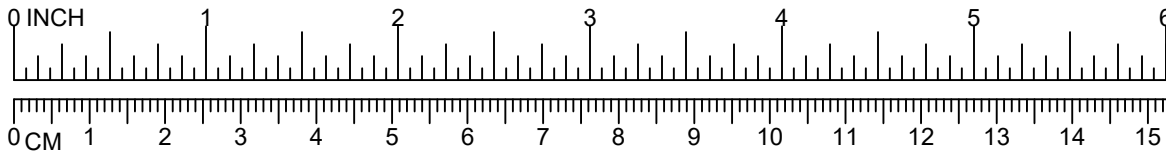
DETAILS -for- 90354

IMPORTANT

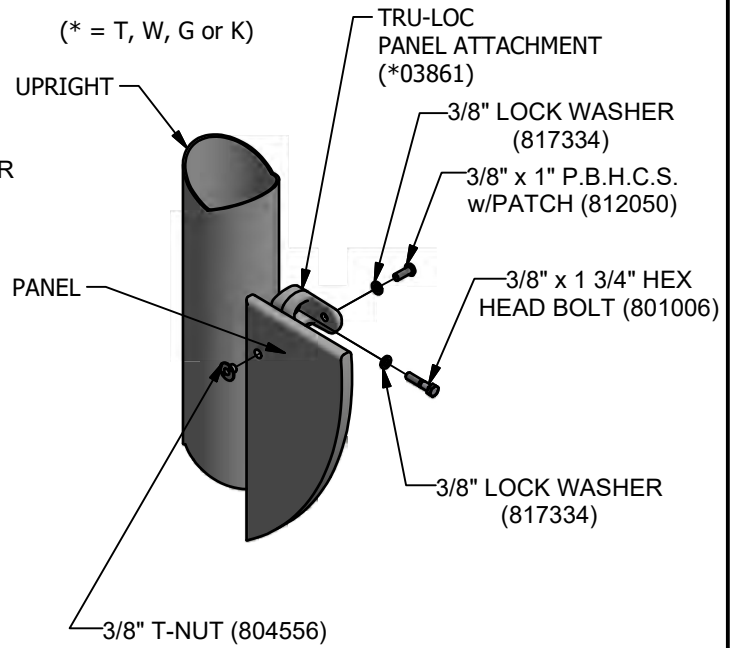
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



120



687

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

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

90366 SLOPED FUNNEL CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

BARRIER 90366
GUARDRAIL 90403



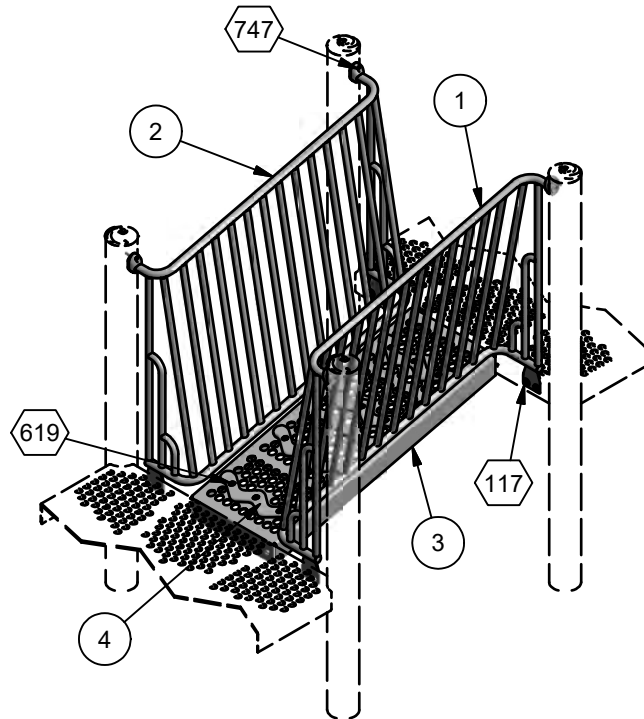
90366
1'-6" THRU 5'-0"

90403
1'-6" THRU 2'-6"



90366
1'-6" THRU 8'-0"

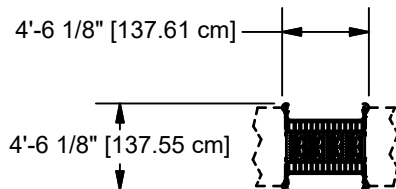
90403
1'-6" THRU 4'-0"



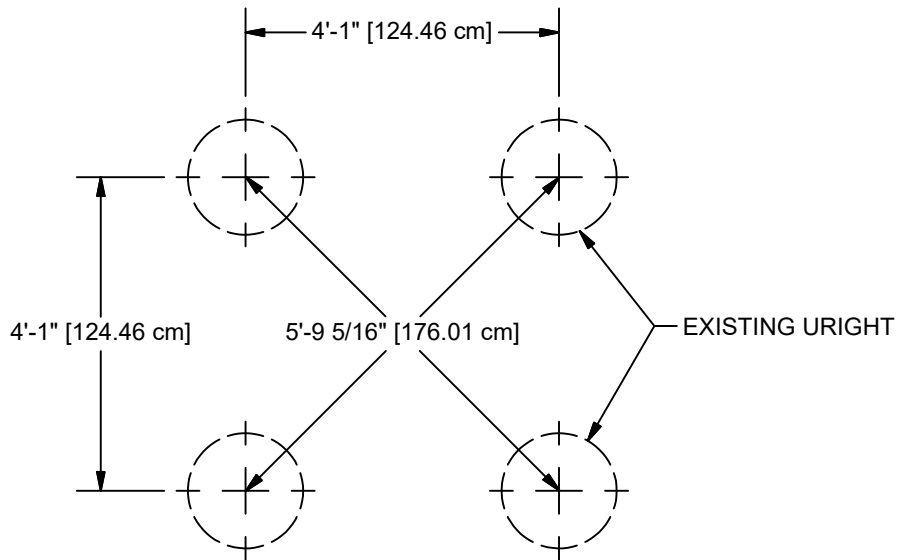
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

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



TOP VIEW



Parts List				
REF.	DESCRIPTION	90366	90403	PART NUMBER
1	RIGHT BARRIER WELD ASS'Y	1	0	204573
1	RIGHT GUARDRAIL WELD ASS'Y	0	1	204584
2	LEFT BARRIER WELD ASS'Y	1	0	204581
2	LEFT GUARDRAIL WELD ASS'Y	0	1	204586
3	COATED PUNCHED WALKWAY	1	1	179568
4	HDPE STEP	4	4	200687
	TRU-LOC	4	4	A03650
	HARDWARE COMPLETE	1	1	204588
	3/8" x 3/4" P.B.H.C.S. w/PATCH	24	24	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	812055*
	3/8" FLAT WASHER	12	12	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	12	12	817424*
	3/8" LOCKWASHER	16	16	817334*
	3/8" TEE NUT	24	24	804556*
	ALUM. PIN	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.

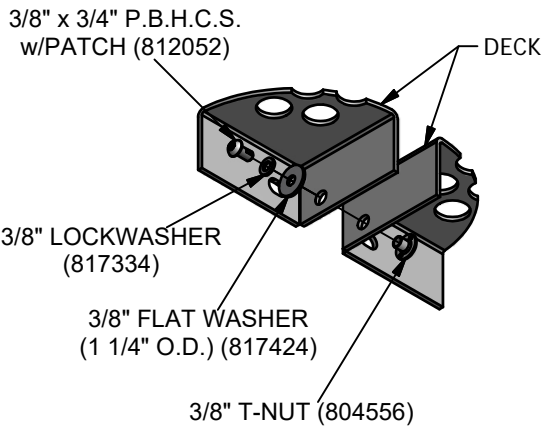
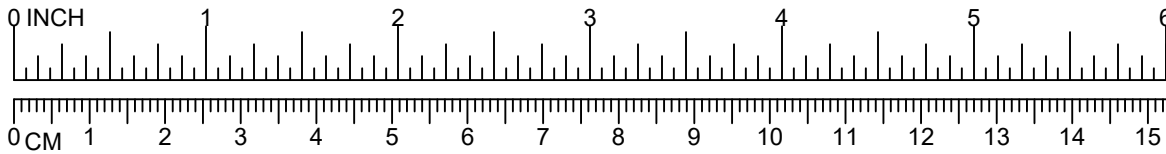
DETAILS -for- 90366 & 90403

IMPORTANT

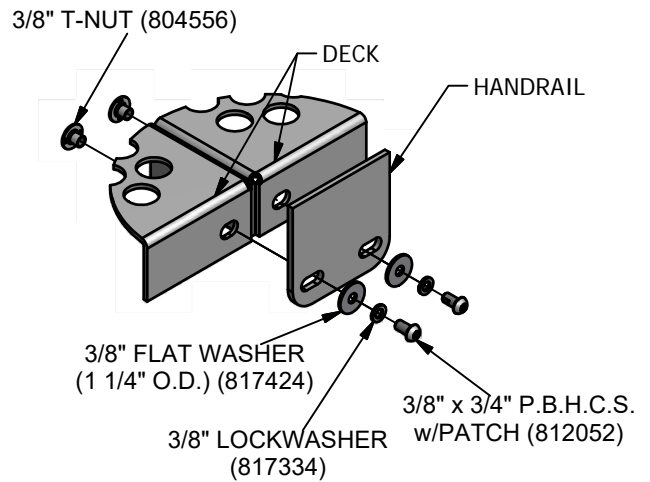
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

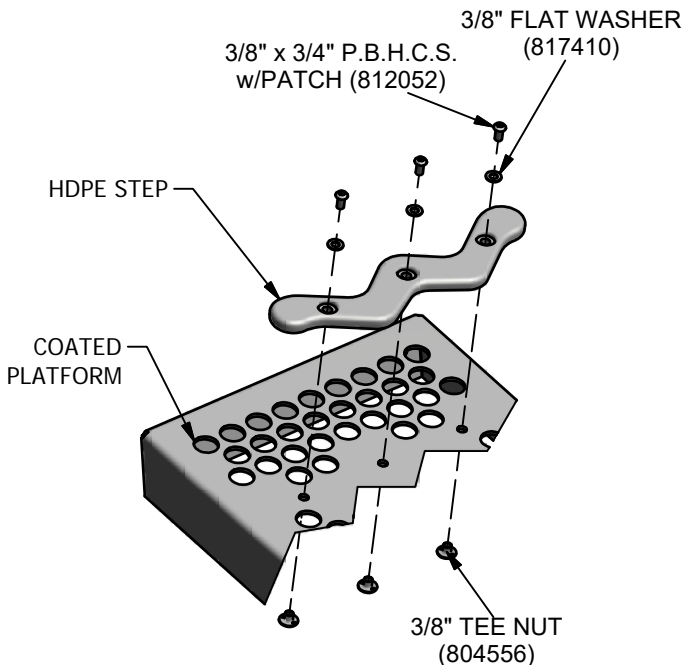
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



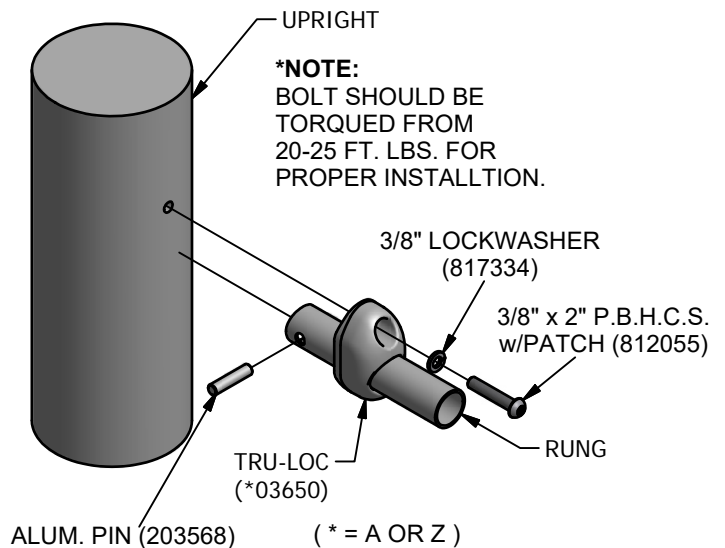
031



117



619



747

PowerScape®



GameTime®

A PLAYCORE Company

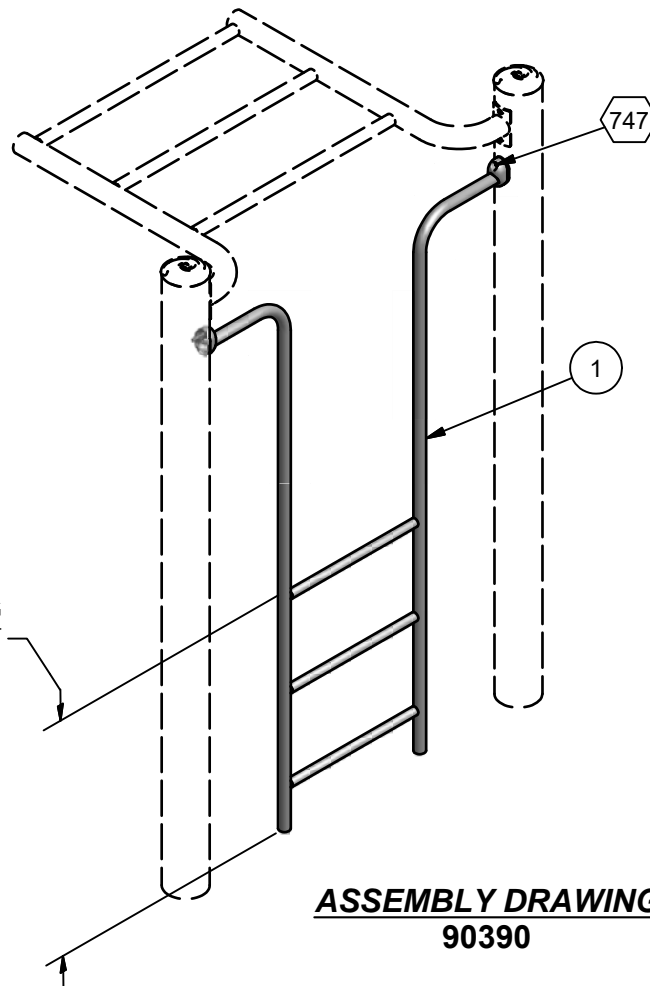
1-800-235-2440

ISSUED/REVISED: 11/12/12

90388 OVERHEAD CLIMBER ACCESS LADDER

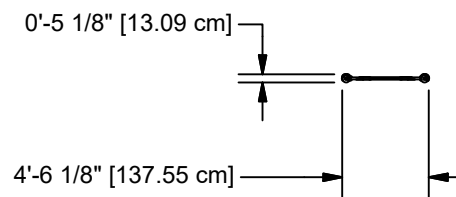
-  = INSTALLATION
-  = PARTS LIST REFERENCE

1'-6" ATTACHMENT	90388
2'-0" ATTACHMENT	90389
2'-6" ATTACHMENT	90390
3'-0" ATTACHMENT	90391

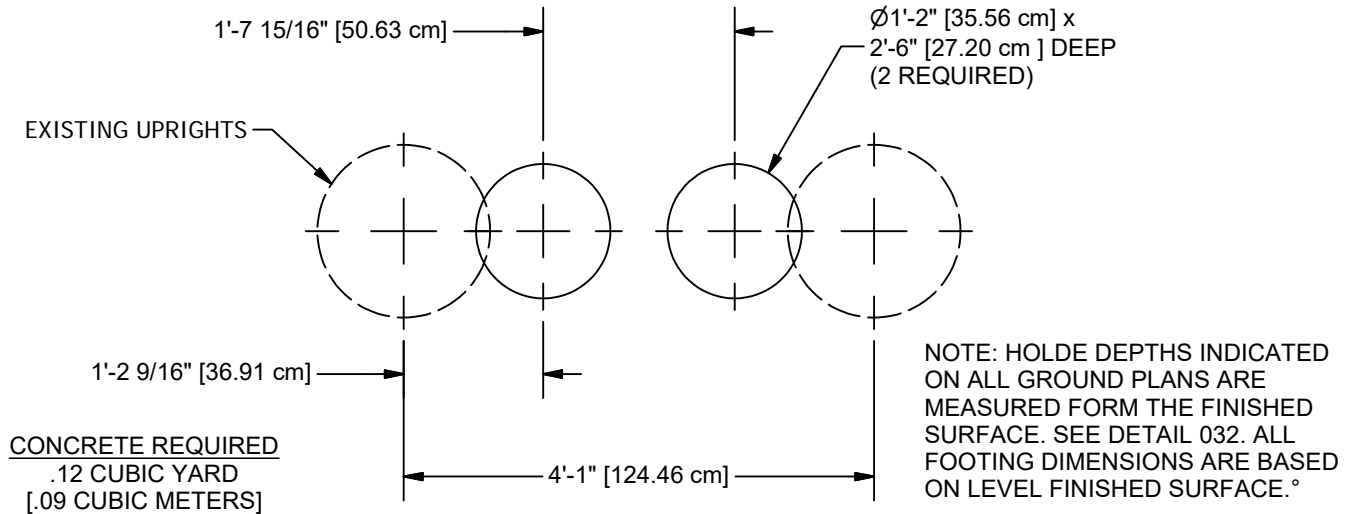


INSTALLATION INSTRUCTIONS

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



GROUND PLAN

Parts List						
REF.	DESCRIPTION	90388	90389	90390	90391	PART NUMBER
1	OVERHEAD CLIMBER ACCESS LADDER	1	0	0	0	204102
1	OVERHEAD CLIMBER ACCESS LADDER	0	1	0	0	204105
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	1	0	204108
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	0	1	204111
	TRU-LOC	2	2	2	2	A03650
	HARDWARE COMPLETE	1	1	1	1	204114
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	812055*
	3/8" LOCKWASHER	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.**

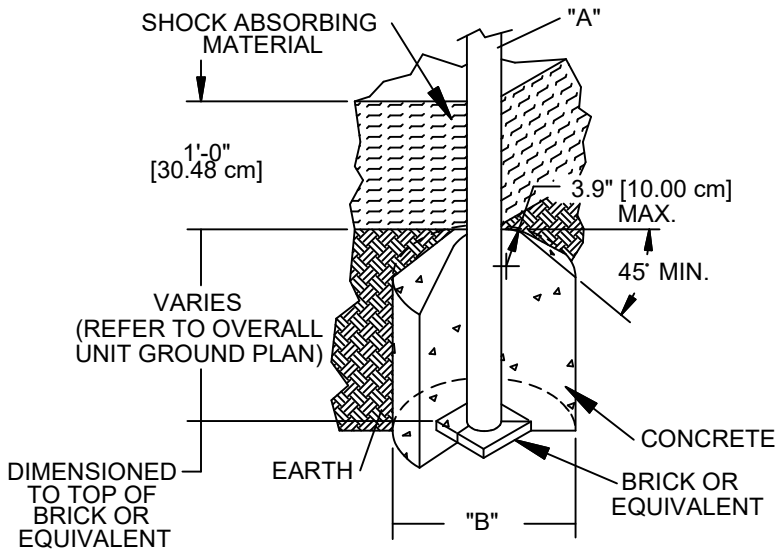
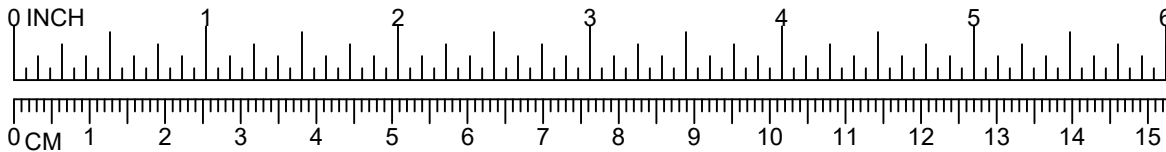
DETAILS -for- 90388, 90389, 90390 & 90391

IMPORTANT

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

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

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



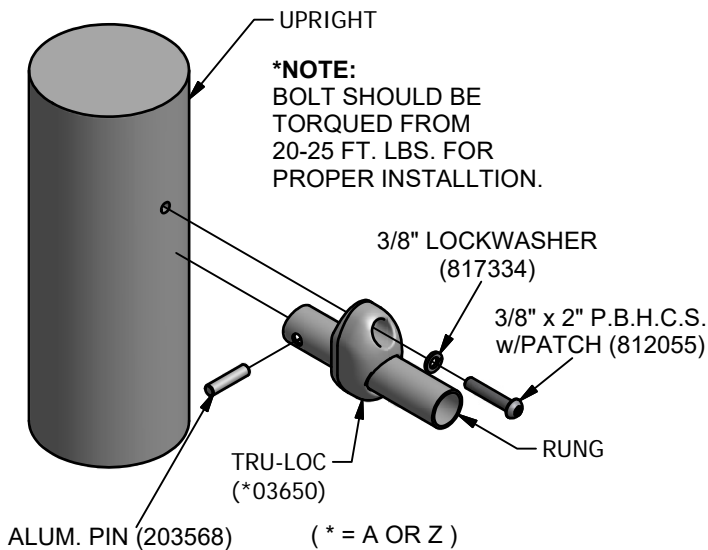
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:

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



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



PowerScape®



GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/19/18

90503 ZIP SLIDE

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

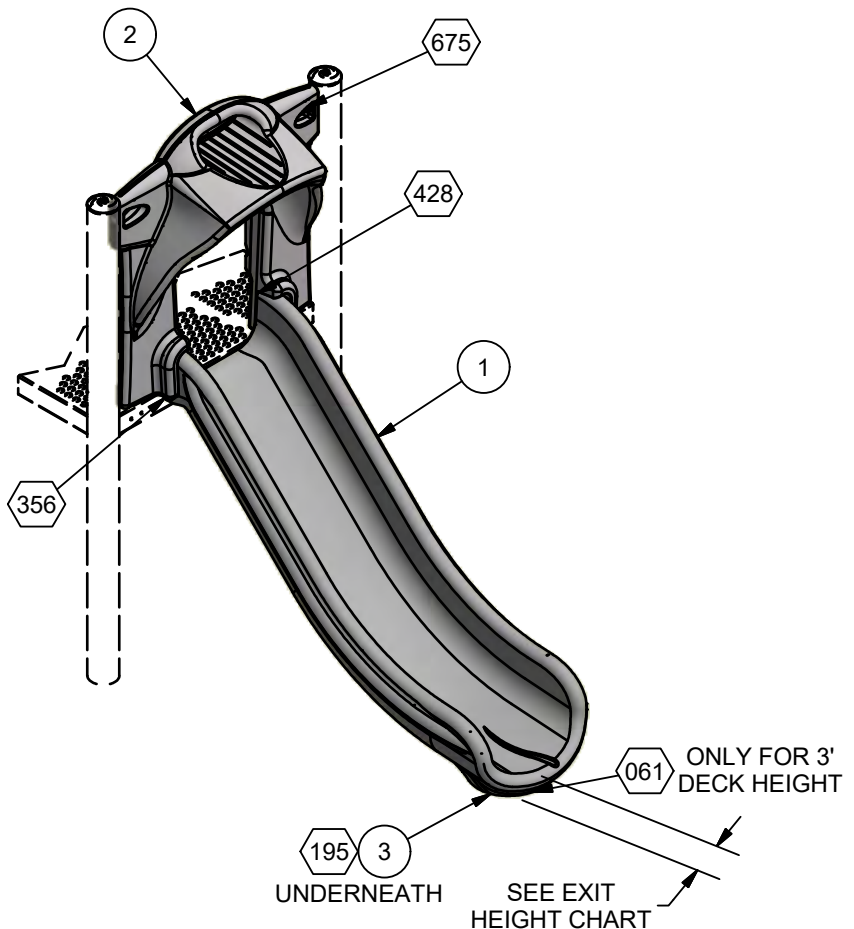
2'-6" / 3'-0" WAVE ZIP SLIDE	90503
4'-0" ZIP SLIDE	90504
5'-0" ZIP SLIDE	90505
6'-0" WAVE ZIP SLIDE	90506



90503
90504
90505



ALL DECK
HEIGHTS



**ASSEMBLY DRAWING
90504 SHOWN**

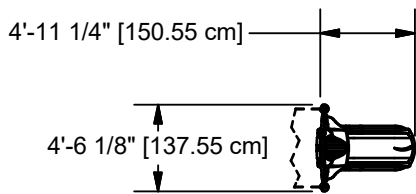
INSTALLATION INSTRUCTIONS

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

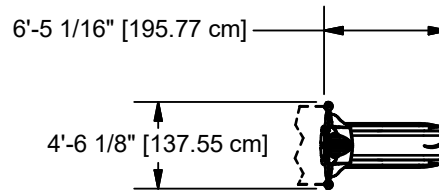
EXIT HEIGHT CHART -for- 3' & 4'	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

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

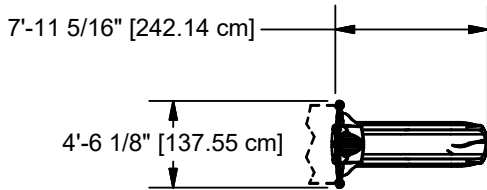
EXIT HEIGHT CHART	
PART NO.	SLIDE EXIT HEIGHT
90503 (2'-6")	0'-4 3/4" [12.07cm]
90503 (3'-0")	0'-10 3/4" [27.31cm]
90504 (4'-0")	0'-7" [17.78cm]
90505 (5'-0")	0'-9" [22.86cm]
90506 (6'-0")	0'-11" [27.94cm]



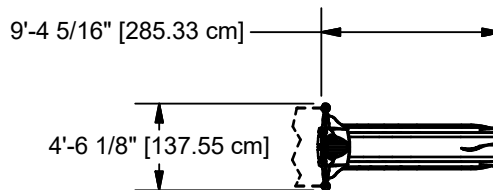
90503



90504



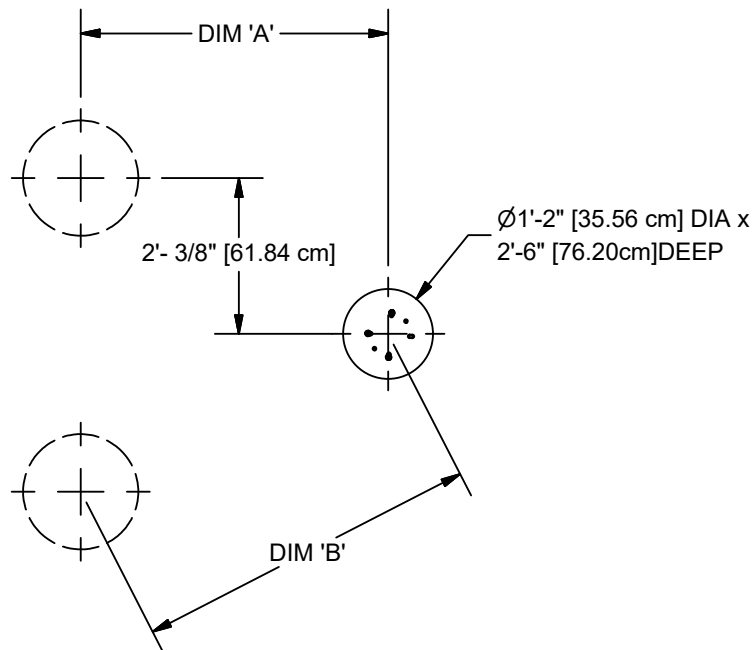
90505



90506

TOP VIEWS

PART NO.	DIM 'A'	DIM 'B'
90503 (2'-6", 3')	4'-01/16" [122.06cm]	4'-6" [137.16cm]
90504 (4')	5'-4 7/8" [164.78cm]	5'-9 5/16" [176.05cm]
90505 (5')	6'-10 7/8" [210.50cm]	7'-5 3/8" [227.01cm]
90506 (6')	8'-3 7/8" [253.68cm]	8'-6 13/16" [261.14cm]



GROUND PLAN

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

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

Parts List						
REF.	DESCRIPTION	90503	90504	90505	90506	PART NUMBER
1	3' ZIP SLIDE	1	0	0	0	176399
1	4' ZIP SLIDE	0	1	0	0	176186
1	5' ZIP SLIDE	0	0	1	0	176187
1	6' ZIP WAVE SLIDE	0	0	0	1	176154
2	SINGLE ZIP SLIDE HOOD	1	1	1	1	203858
3	FOOTBUCK	1	1	1	0	176385
3	FOOTBUCK	0	0	0	1	176384
	HARDWARE COMPLETE	0	1	1	1	204410
	HARDWARE COMPLETE	1	0	0	0	206107
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812058*
	3/8" LOCK WASHER	11	10	10	10	817334*
	3/8" FLAT WASHER	4	4	4	4	817410*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	2	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	817424*
	3/8" HEX NUT	1	0	0	0	804053*
	3/8" x 3 1/2" HEX HEAD	1	0	0	0	801013*
	6" EXTENSION	1	0	0	0	151080*

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

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

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

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

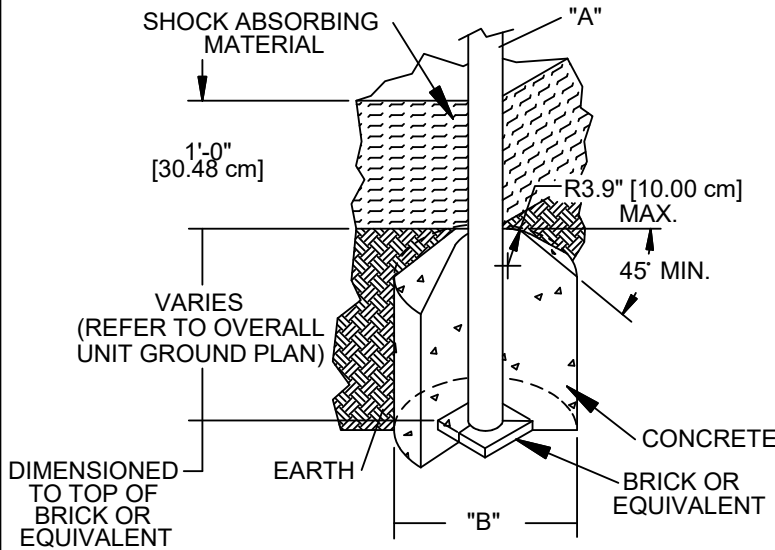
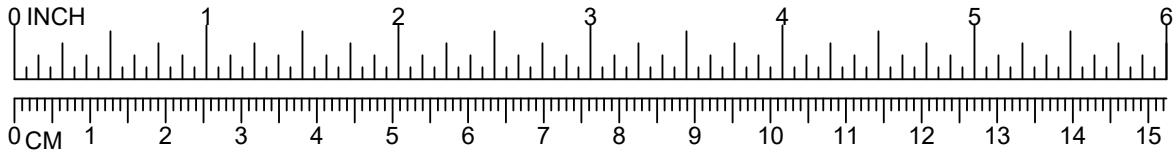
DETAILS -for- 90503 - 90506

IMPORTANT

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

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

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



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

NOTES:

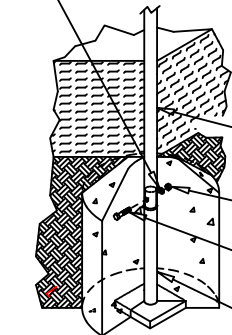
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

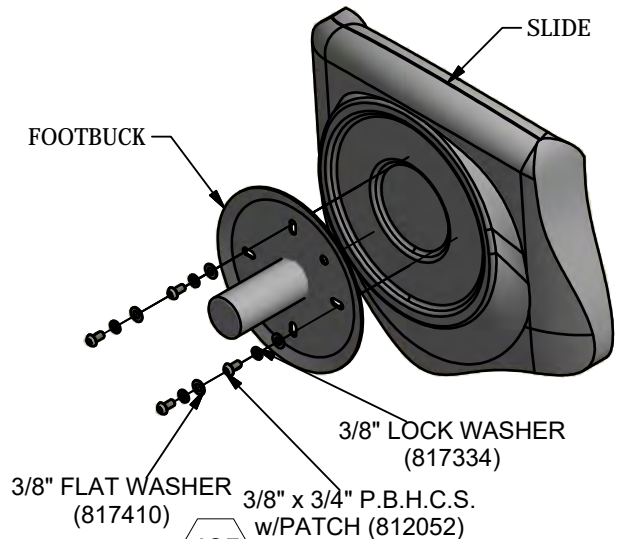
LEG (PIPE DIA.)	BOLT REQUIRED
1 5/16" [3.3 cm]	3/8" x 2" HEX HEAD (801007)
1 5/8" [4.1 cm]	3/8" x 2 1/2" HEX HEAD (801009)
1 7/8" [4.7 cm]	3/8" x 3" HEX HEAD (801011)
2 3/8" [6.0 cm]	3/8" x 3 1/2" HEX HEAD (801013)
2 7/8" [7.3 cm]	3/8" x 4" HEX HEAD (801015)

3/8" LOCKWASHER (817334)



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

SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



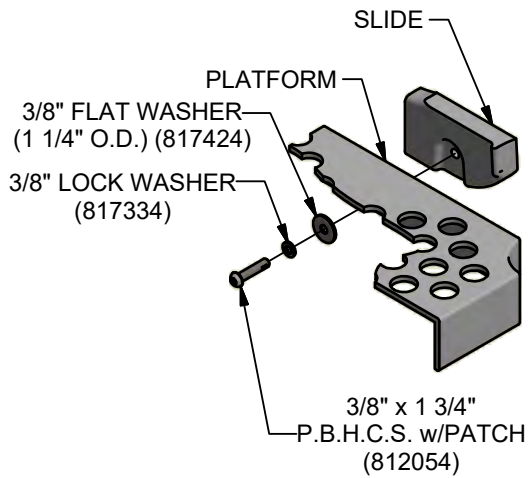
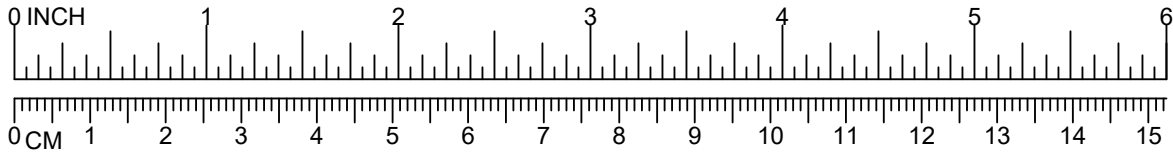
DETAILS -for- 90503 - 90506

IMPORTANT

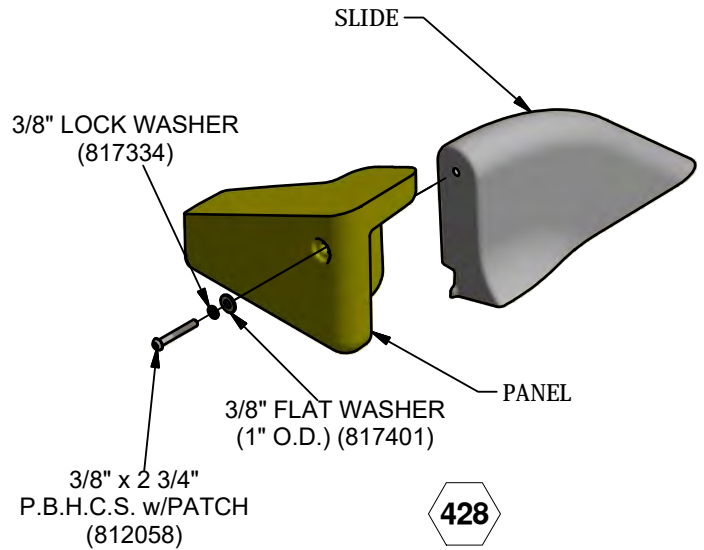
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

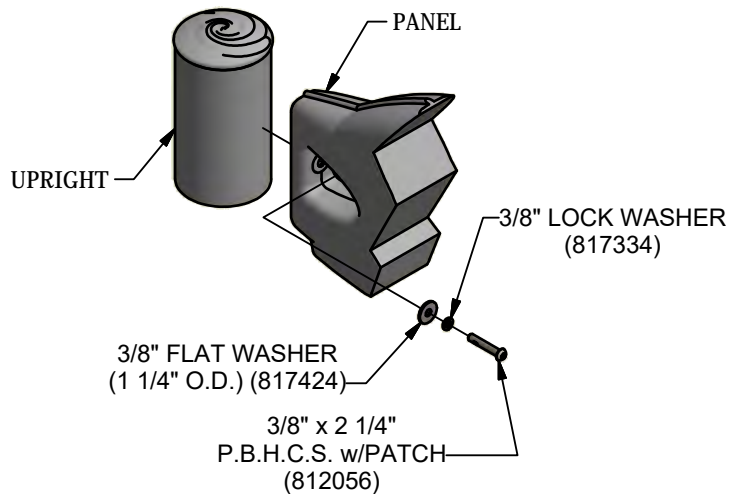
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



356



428



675

PowerScape®



GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 06/05/12

90539 ZIPPER CLIMBER

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

3'-0" & 3'-6"	90539
4'-0" & 4'-6"	90540
5'-0" & 5'-6"	90541
6'-0"	90542



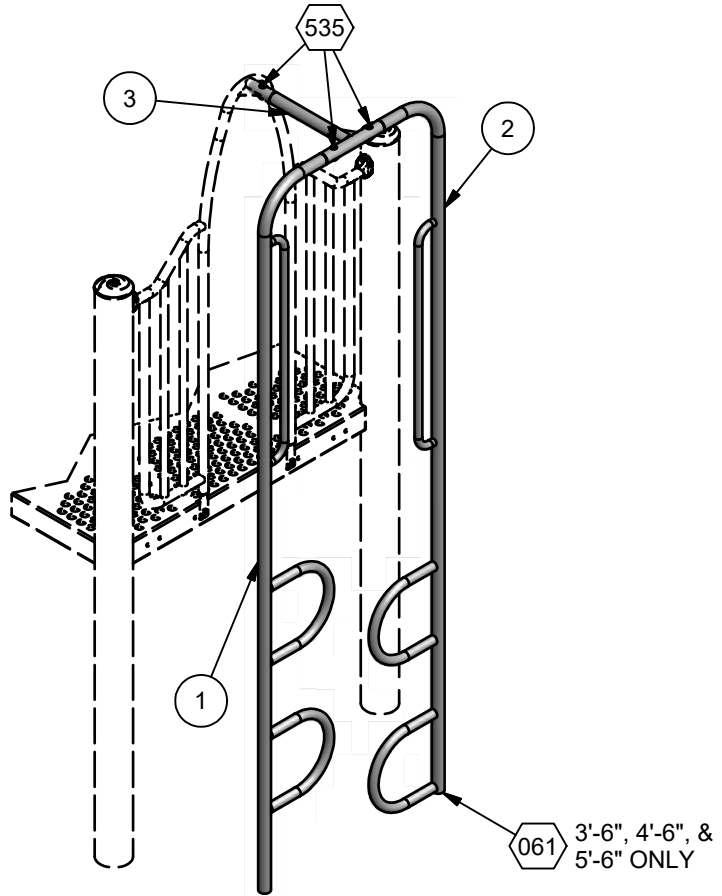
90539
90540 - 4'-0"



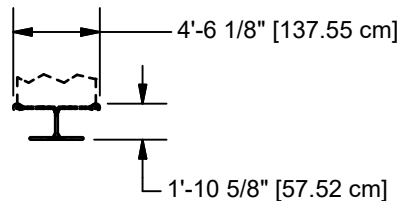
90540 - 4'-6"
90541
90542

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



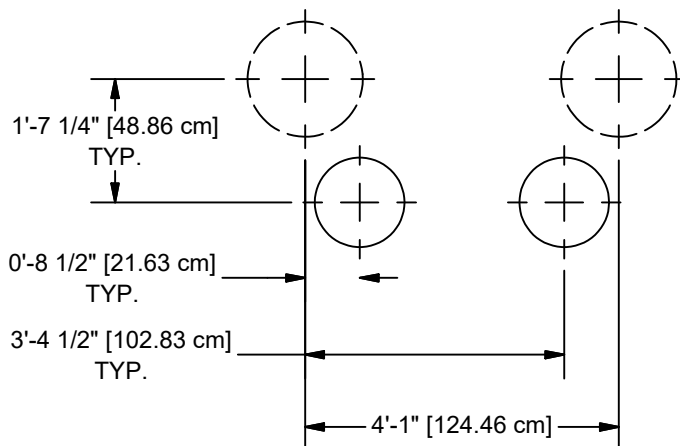
TOP VIEW

Parts List						
REF.	DESCRIPTION	90539	90540	90541	90542	PART NUMBER
1	LEFT ZIPPER CLIMBER ASS'Y (3' & 3'-6")	1	0	0	0	179980
1	LEFT ZIPPER CLIMBER ASS'Y (4' & 4'-6")	0	1	0	0	179983
1	LEFT ZIPPER CLIMBER ASS'Y (5' & 5'-6")	0	0	1	0	179986
1	LEFT ZIPPER CLIMBER ASS'Y (6')	0	0	0	1	179989
2	RIGHT ZIPPER CLIMBER ASS'Y (3' & 3'-6")	1	0	0	0	179991
2	RIGHT ZIPPER CLIMBER ASS'Y (4' & 4'-6")	0	1	0	0	179993
2	RIGHT ZIPPER CLIMBER ASS'Y (5' & 5'-6")	0	0	1	0	179995
2	RIGHT ZIPPER CLIMBER ASS'Y (6')	0	0	0	1	179997
3	MOUNTING TEE ASS'Y	1	1	1	1	198000
	HARDWARE COMPLETE	1	1	1	0	204552
	HARDWARE COMPLETE	0	0	0	1	204553
	3/8" x 1 1/2" P.B.H.C.S. w/ PATCH	3	3	3	3	812053*
	3/8" 2 1/2" HEX BOLT	2	2	2	0	801009*
	3/8" FLAT WASHER	3	3	3	3	817410*
	3/8" LOCKWASHER	2	2	2	0	817334*
	3/8" BARREL NUT	3	3	3	3	804804*
	3/8" HEX NUT	2	2	2	0	804053*
	EXTENSION LEG	2	2	2	0	152110*

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

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

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



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

GROUND PLAN

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

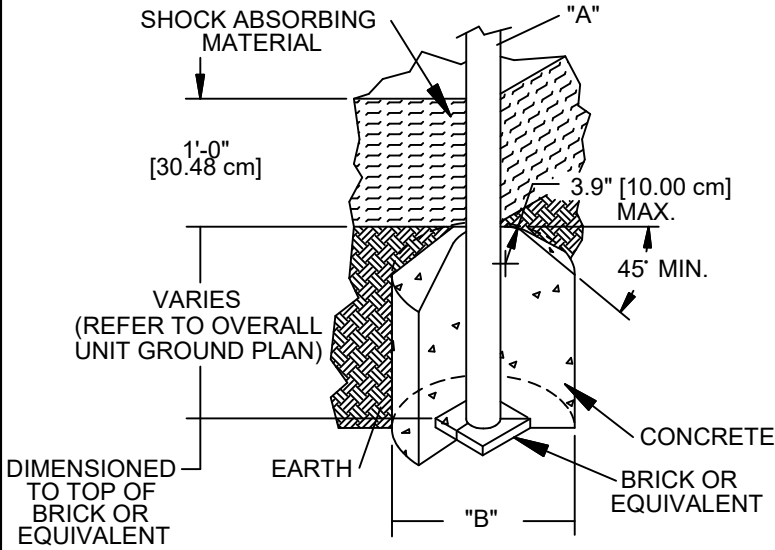
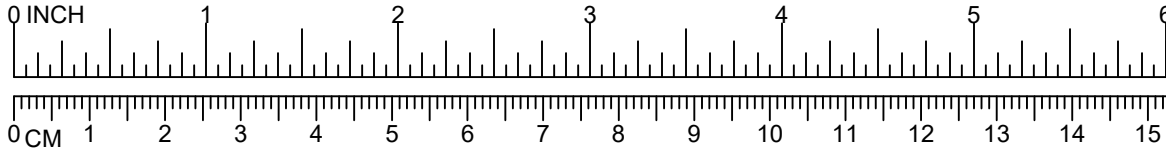
DETAILS -for- 90539, 90540, 90541, & 90542

IMPORTANT

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

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

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



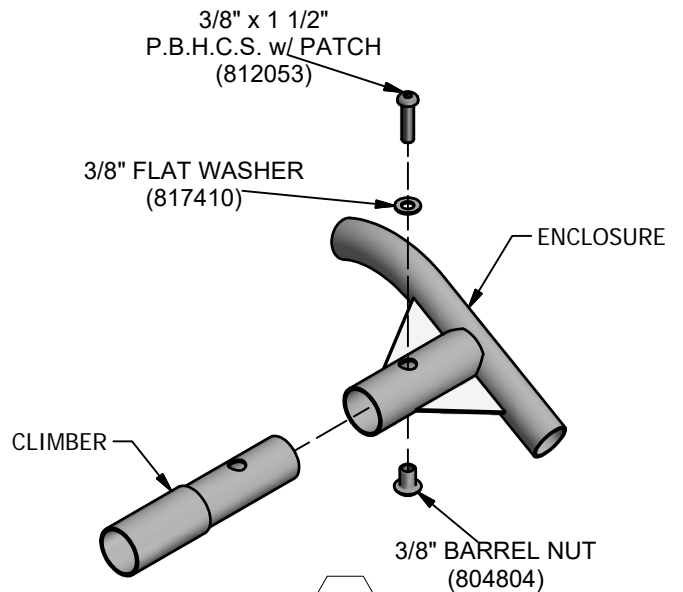
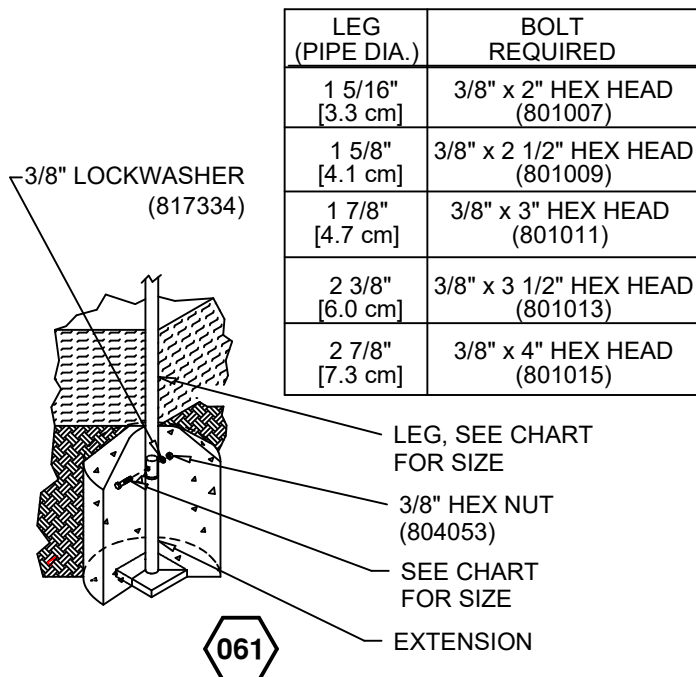
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:



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



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



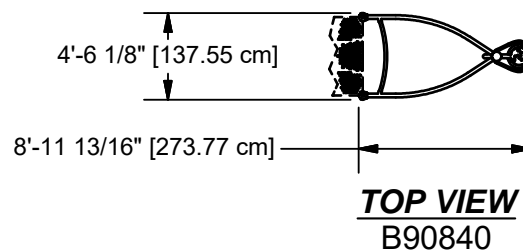
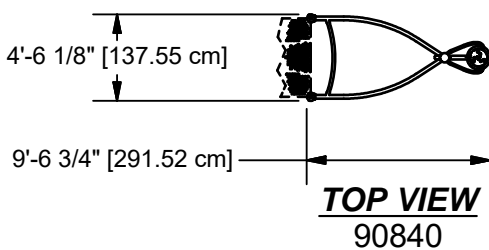
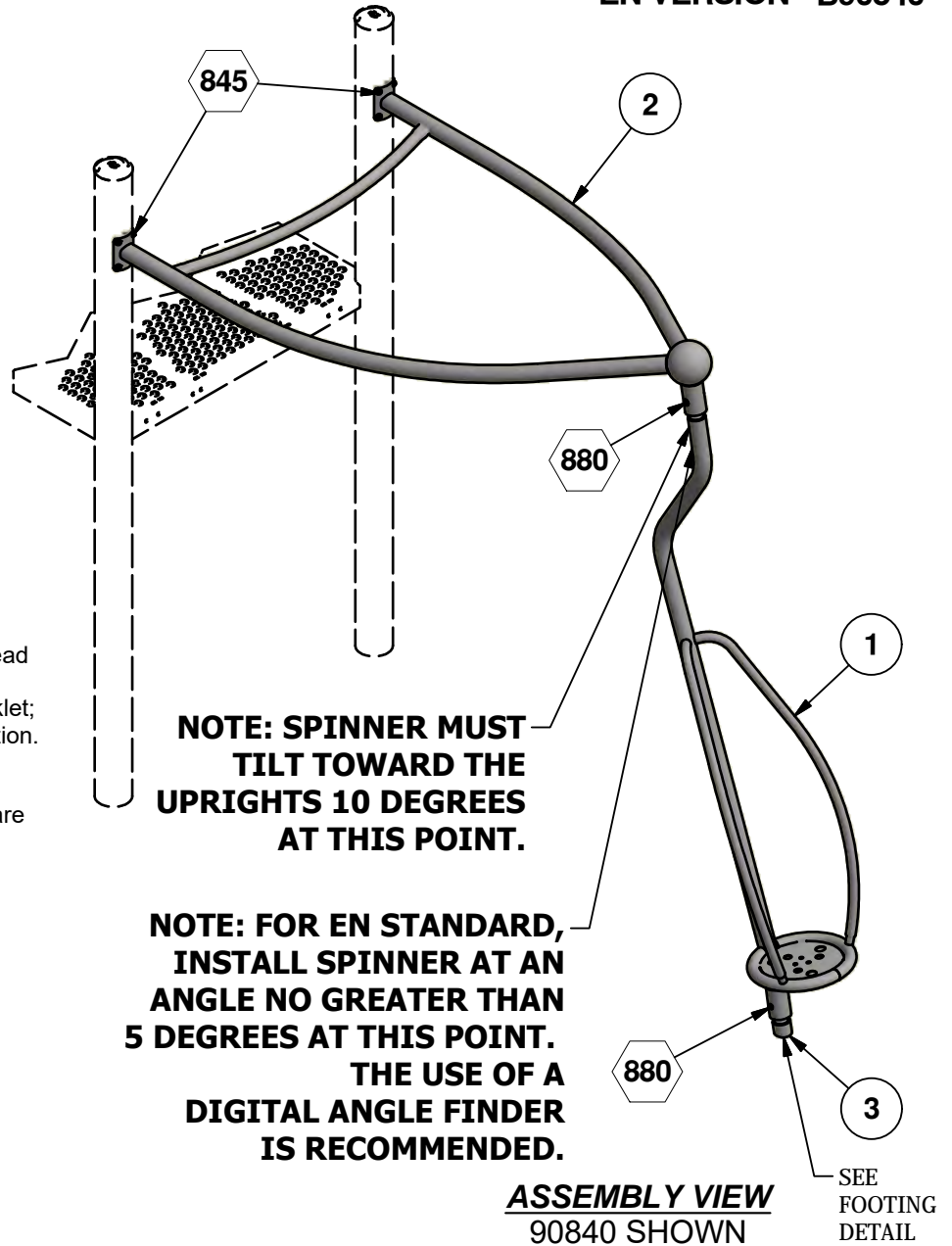
EN VERSION B90840

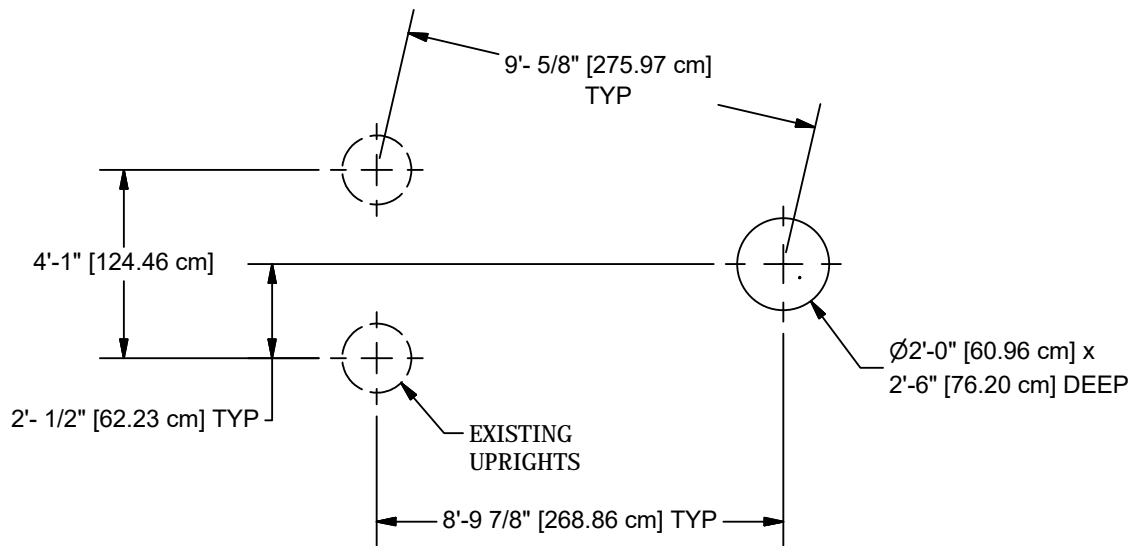
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE



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.

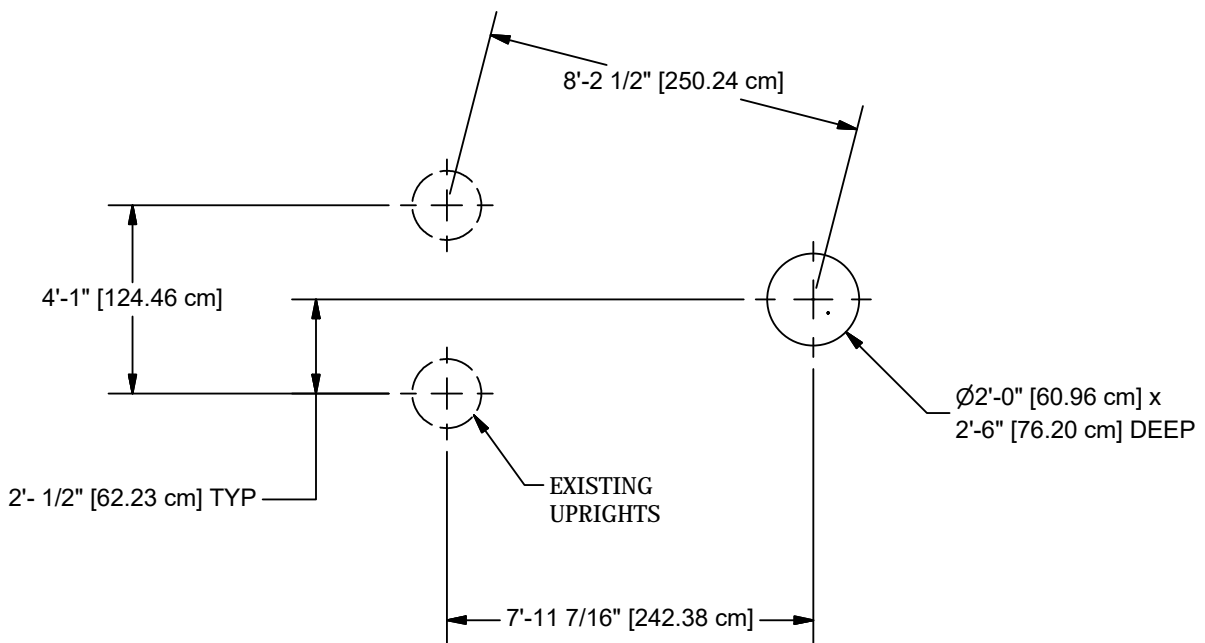




NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
 .18 CUBIC YARDS
 .13 CUBIC METERS

GROUND PLAN
 90840



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

CONCRETE REQUIRED
 .18 CUBIC YARDS
 .13 CUBIC METERS

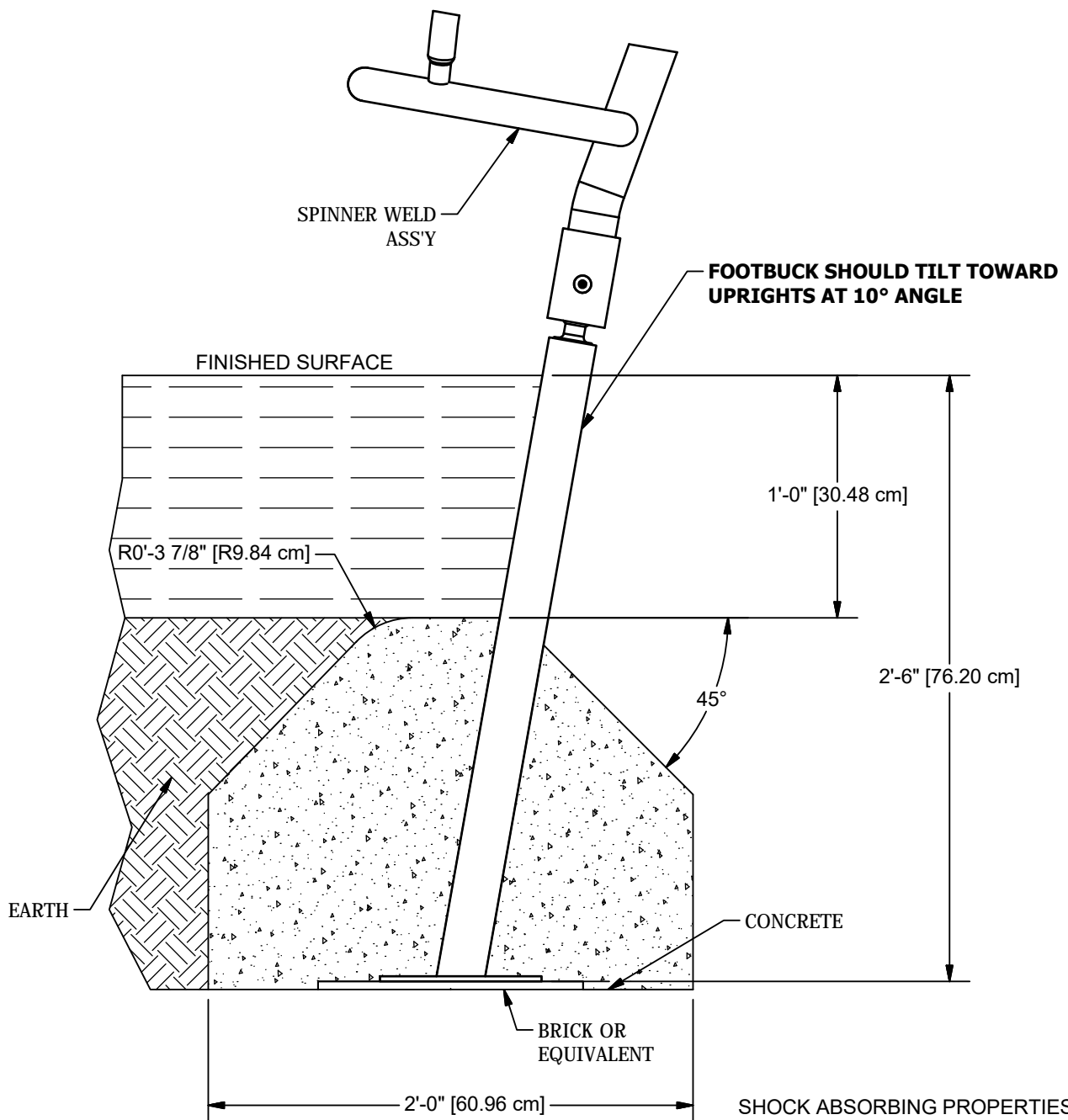
GROUND PLAN
 B90840

Parts List				
REF.	DESCRIPTION	90840	B90840	PART NUMBER
1	SPINNER WELD ASS'Y	1	1	212568
2	HUB FRAME WELD ASS'Y	1	1	212596
3	FOOTBUCK WELD ASS'Y	1	1	212576
	HARDWARE COMPLETE	1	1	212616
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	8	812051*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	812058*
	3/8" BARREL NUT	2	2	804804*
	3/8" LOCK WASHER	10	10	817334*
	UHMW HALF CUP	4	4	212587*
	3/8" FLAT WASHER	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: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



SUGGESTED MINIMUM
CONCRETE RATING:
3000 PSI

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

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

FOOTING DETAIL

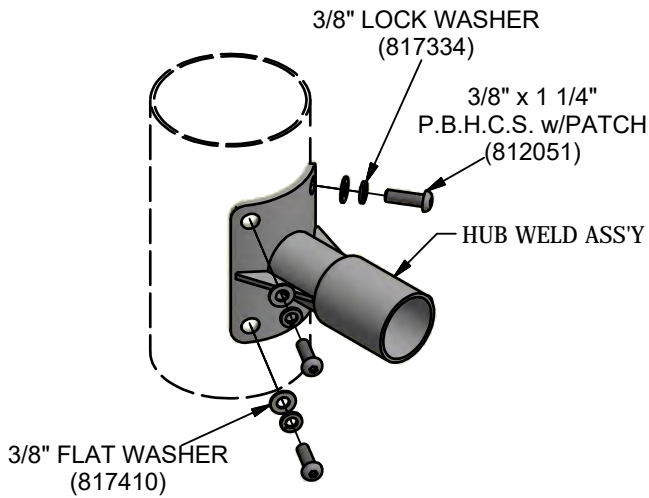
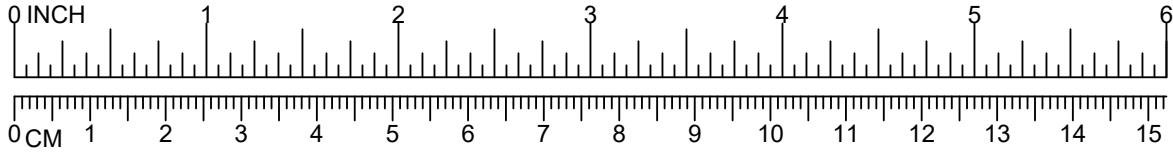
DETAILS -for- 90840 & B90840

IMPORTANT

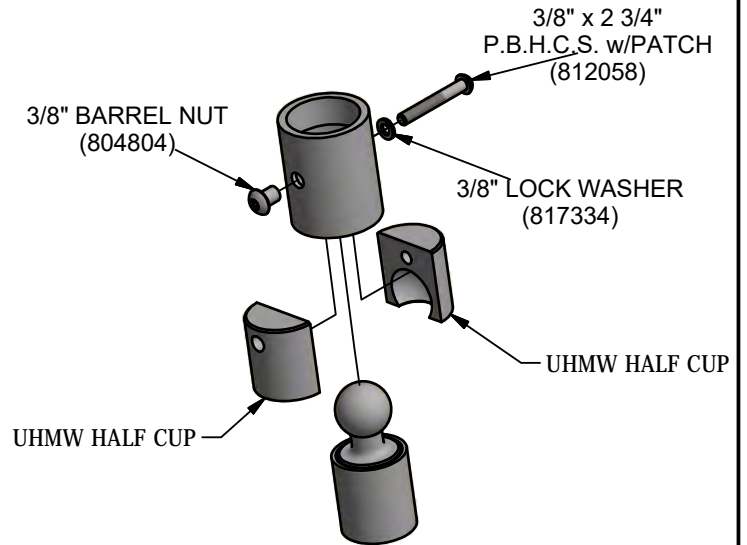
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



845



880

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

91139 ENTRYWAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



91146
2'-6"
OR
BELOW

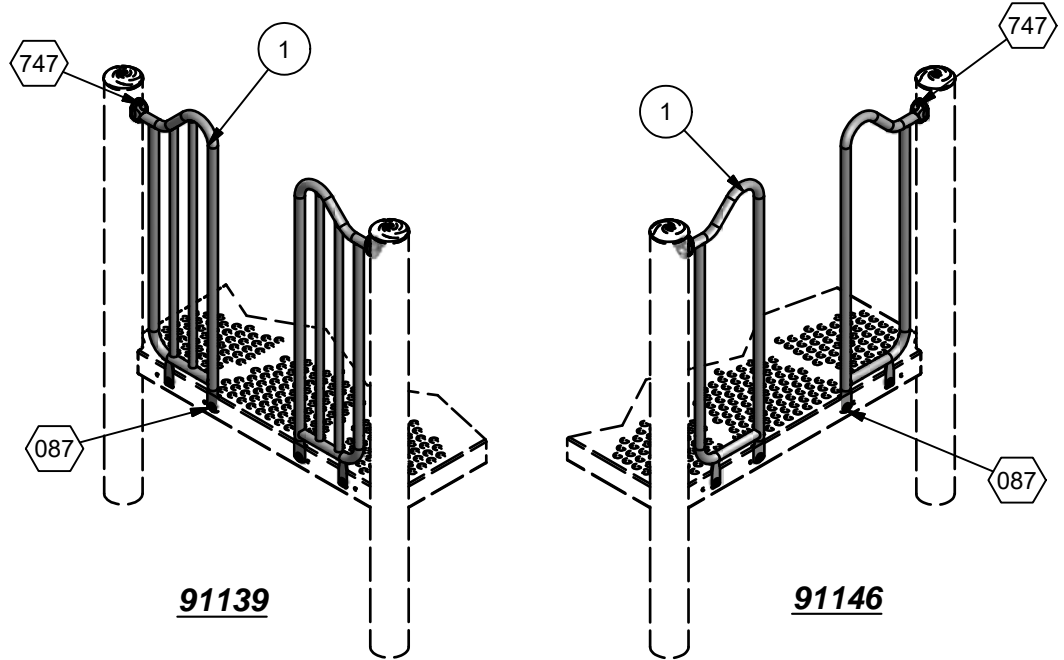


91139



91146
4'-0"
OR
BELOW

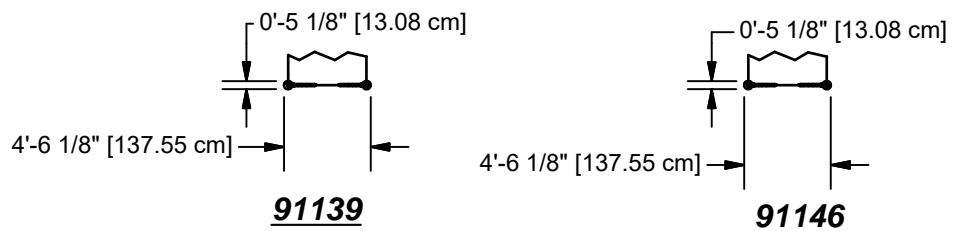
BARRIER 91139
GUARDRAIL 91146



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.



TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91139	91146	PART NUMBER
1	ENTRY BARRIER	2	0	206516
1	GUARDRAIL ENTRY	0	2	206002
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	1	206587
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	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*

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.

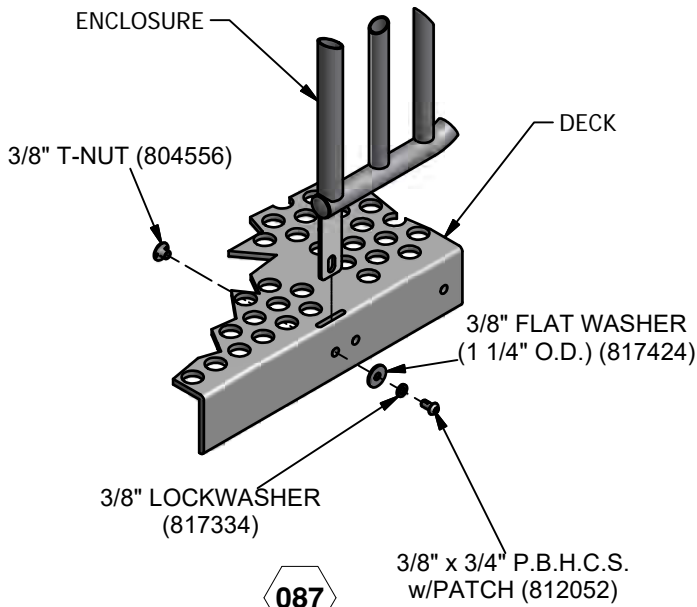
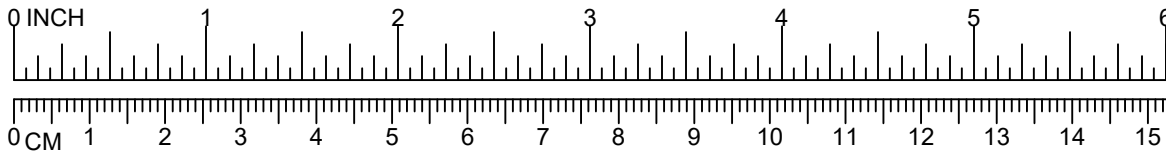
DETAILS -for- 91139 AND 91146

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.

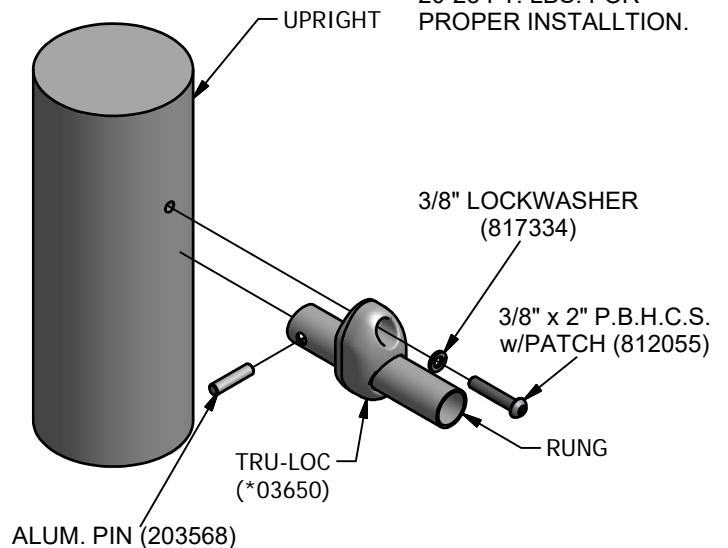
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



(* = A OR Z)

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



747

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

91208 CLIMBER ENTRYWAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



91208
2'-6"
OR
BELOW

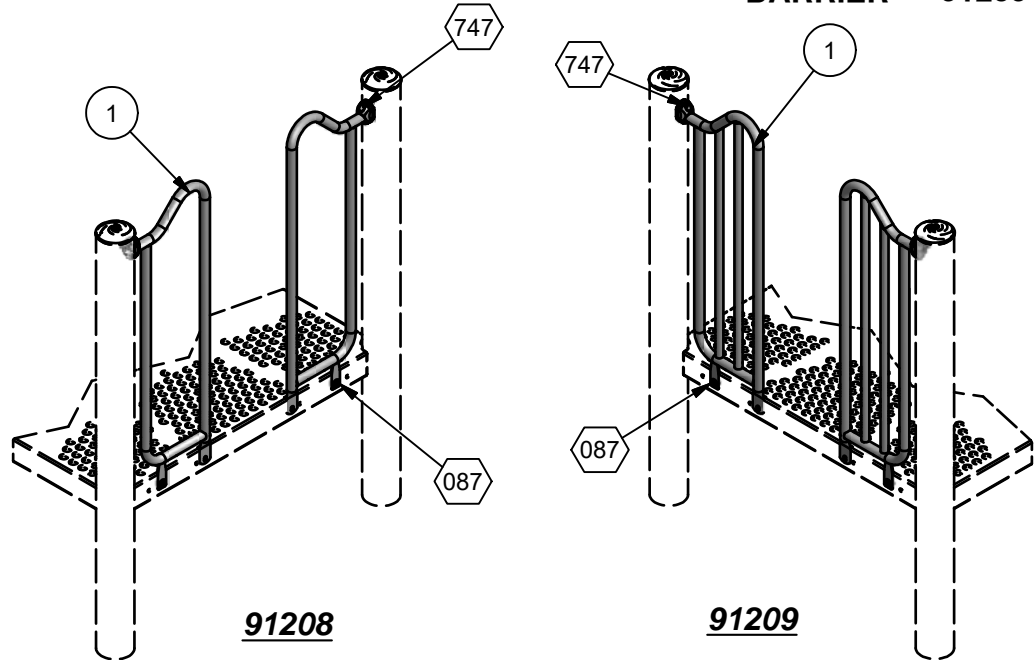


91209



91208
4'-0"
OR
BELOW

GUARDRAIL 91208
BARRIER 91209

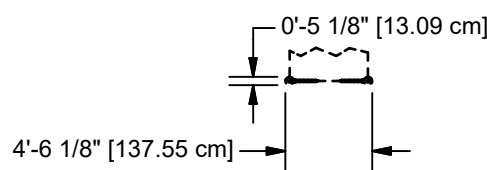


ASSEMBLY VIEWS

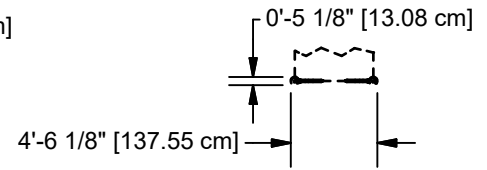
INSTALLATION INSTRUCTIONS

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.



91208



91209

TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91208	91209	PART NUMBER
1	GUARDRAIL ENTRY	2	0	206002
1	ENTRY BARRIER	0	2	206516
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	1	207039
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	4	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
	3/8" T-NUT	2	2	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*

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.

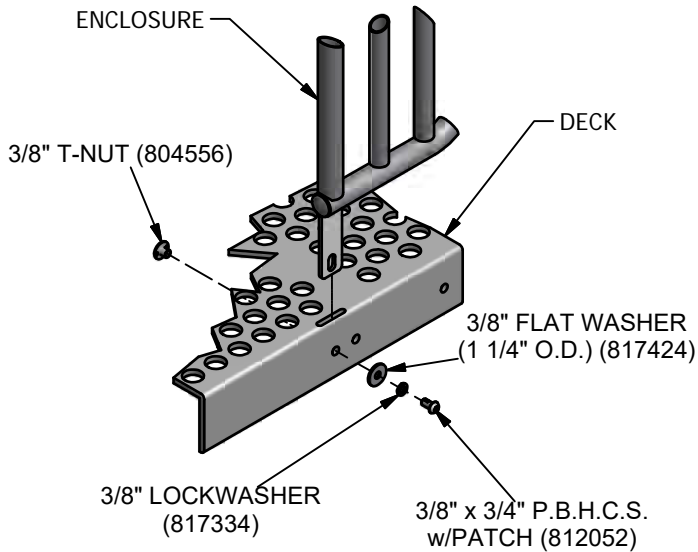
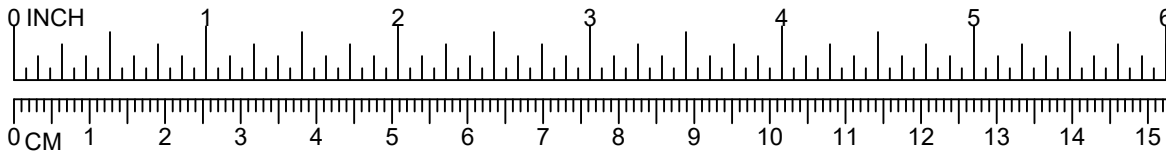
DETAILS -for- 91208 AND 91209

IMPORTANT

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

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

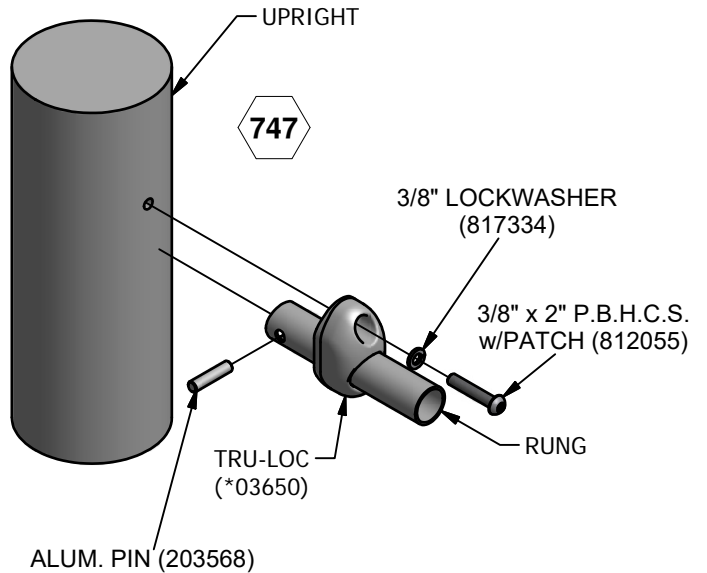
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

087

(* = A OR Z)



PowerScape®

GameTime®

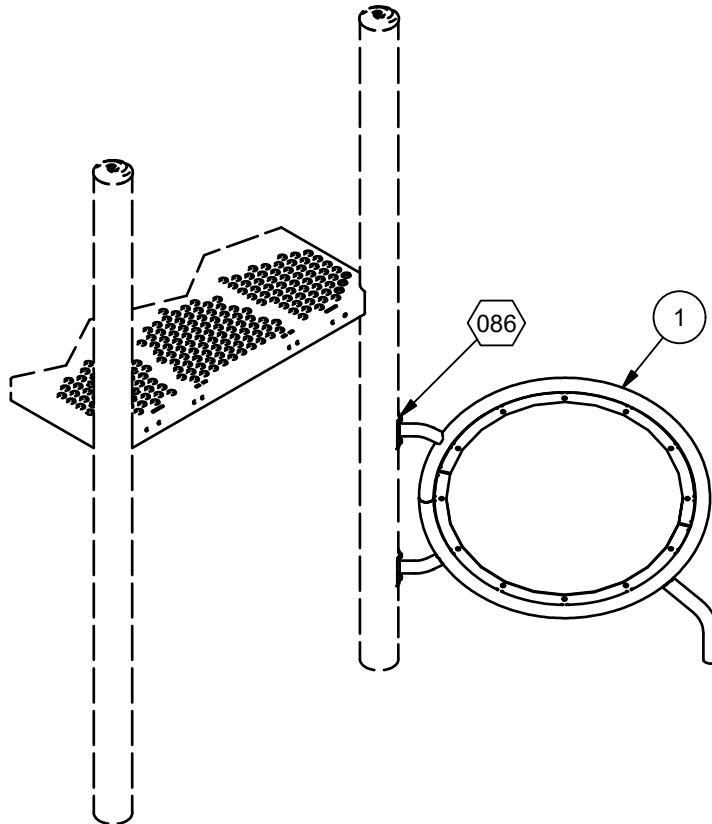
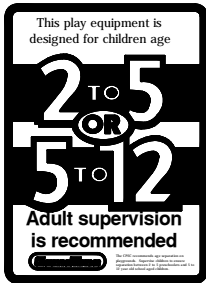
A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/19

91240 GROUND LEVEL GADGET ATTACHMENT

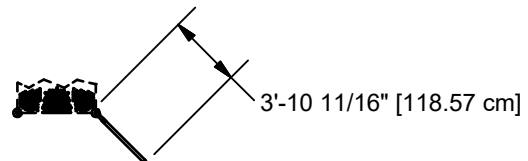
- ⬡ = INSTALLATION
= DETAIL
- = PARTS LIST
REFERENCE



ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

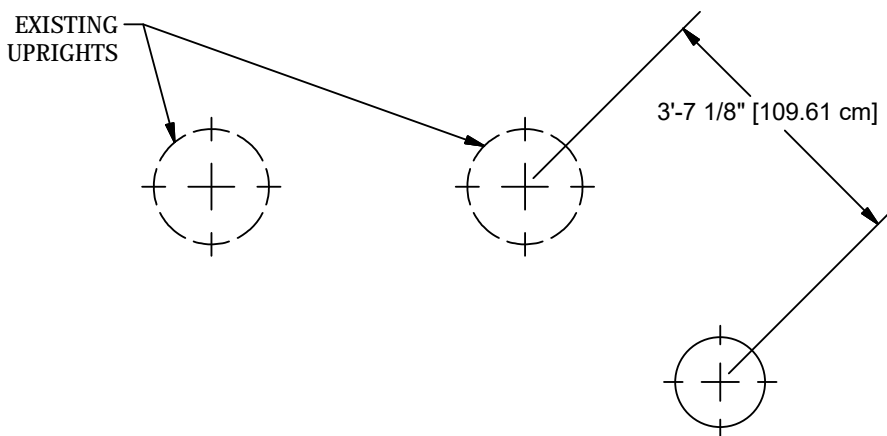
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



TOP VIEW

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
.06 CUBIC YARDS
[.05 CUBIC METERS]



GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	PS GADGET WELD ASS'Y	1	207680
	HARDWARE COMPLETE	1	207681
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" LOCK WASHER	4	817334*
	3/8" FLAT WASHER	4	817410*

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

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

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

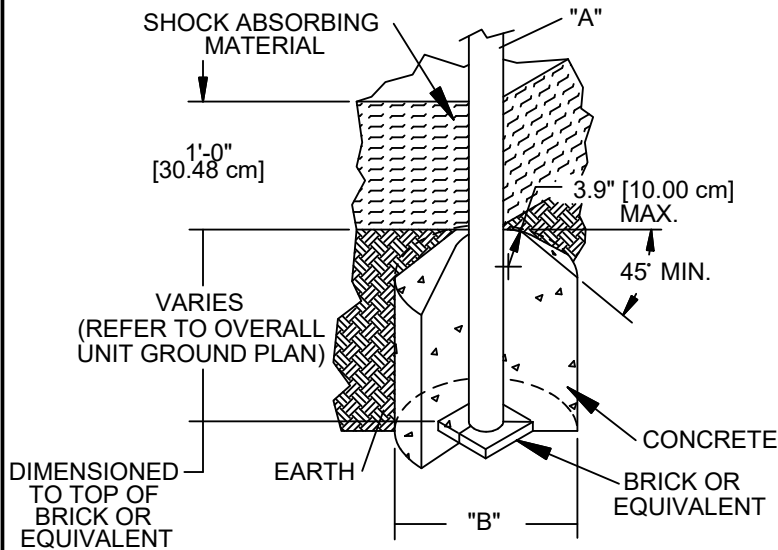
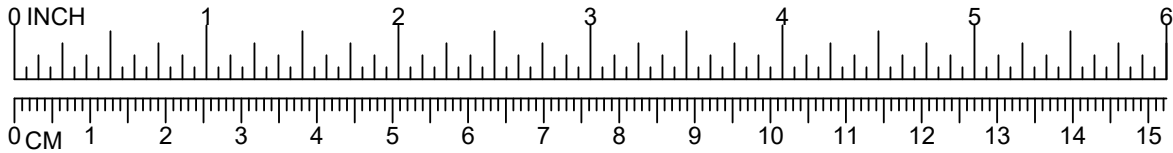
DETAILS -for- 91240

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.



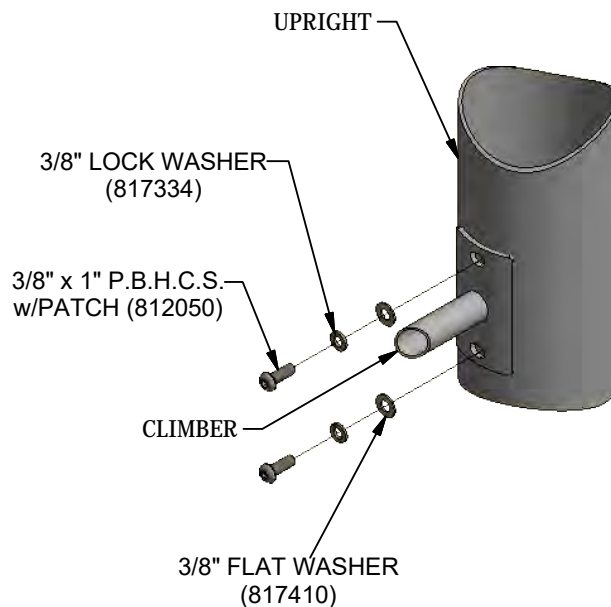
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



086





A PLAYCORE Company

1-800-235-2440

WHIRLWIND CLIMBER

ISSUED/REVISED: 5/29/14

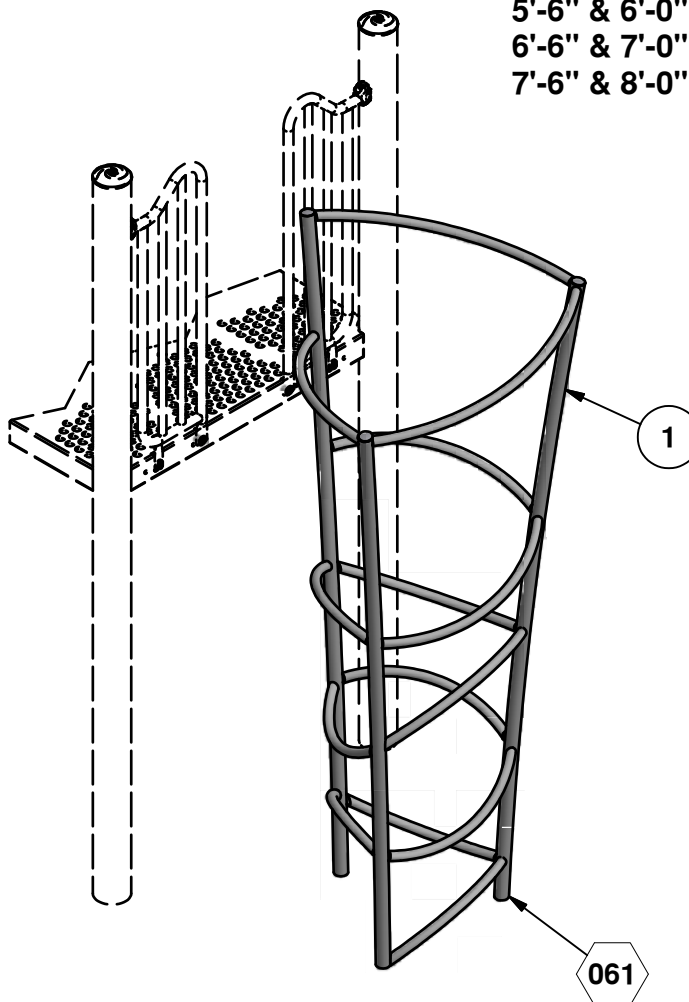
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

3'-6" & 4'-0"	91290
4'-6" & 5'-0"	91291
5'-6" & 6'-0"	91292
6'-6" & 7'-0"	91293
7'-6" & 8'-0"	91294



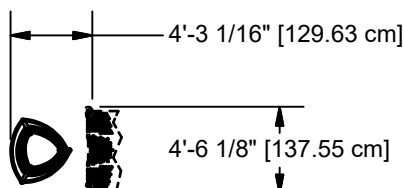
INSTALLATION INSTRUCTIONS

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.

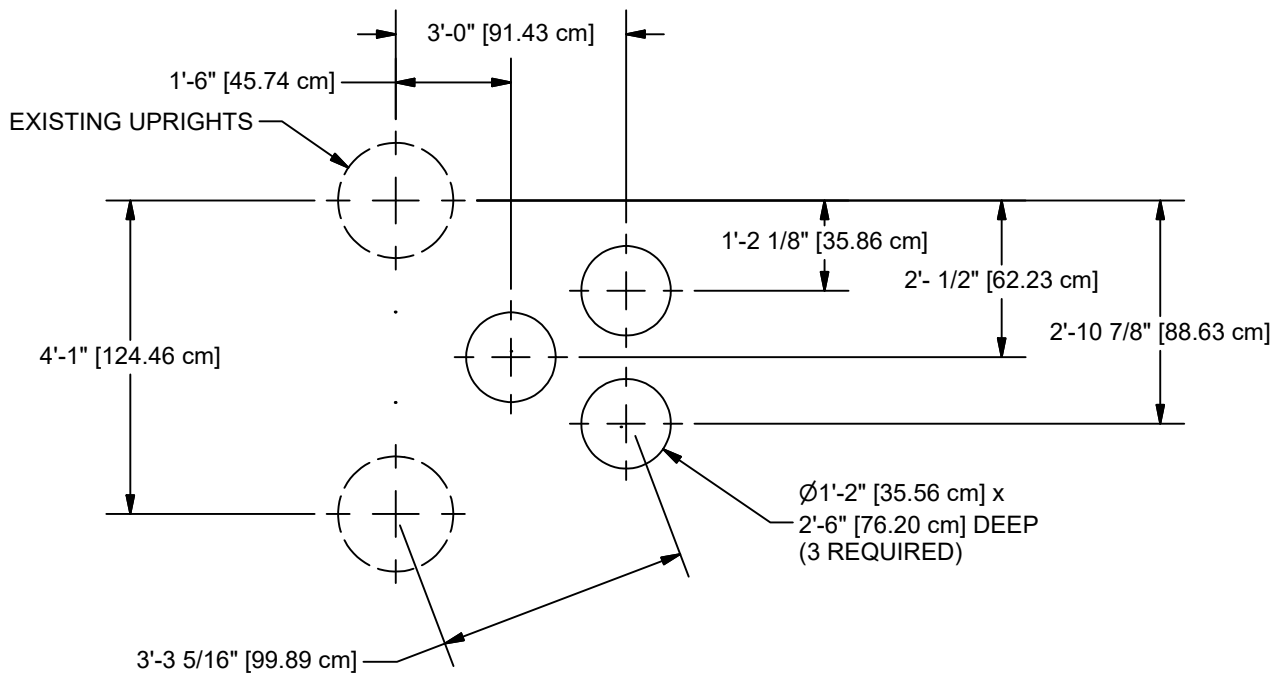


ASSEMBLY DRAWING
91292 5'-6" SHOWN

IN GROUND
4'-0", 5'-0",
6'-0", 7'-0" & 8'-0"



TOP VIEW



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
 .18 CUBIC YARDS
 [.14 CUBIC METERS]

GROUND PLAN

Parts List							
REF.	DESCRIPTION	91290	91291	91292	91293	91294	PART NUMBER
1	WHIRLWIND WELD ASS'Y	1	0	0	0	0	207994
1	WHIRLWIND WELD ASS'Y	0	1	0	0	0	207999
1	WHIRLWIND WELD ASS'Y	0	0	1	0	0	208004
1	WHIRLWIND WELD ASS'Y	0	0	0	1	0	208009
1	WHIRLWIND WELD ASS'Y	0	0	0	0	1	207895
	HARDWARE COMPLETE	1	1	1	1	1	207961
	EXTENSION LEG	3	3	3	3	3	152110*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812052*
	3/8" x 3" HEX HEAD BOLT	3	3	3	3	3	801011*
	3/8" LOCKWASHER	5	5	5	5	5	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	817424*
	3/8" HEX NUT	3	3	3	3	3	804053*
	3/8" T-NUT	2	2	2	2	2	804556*

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

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

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

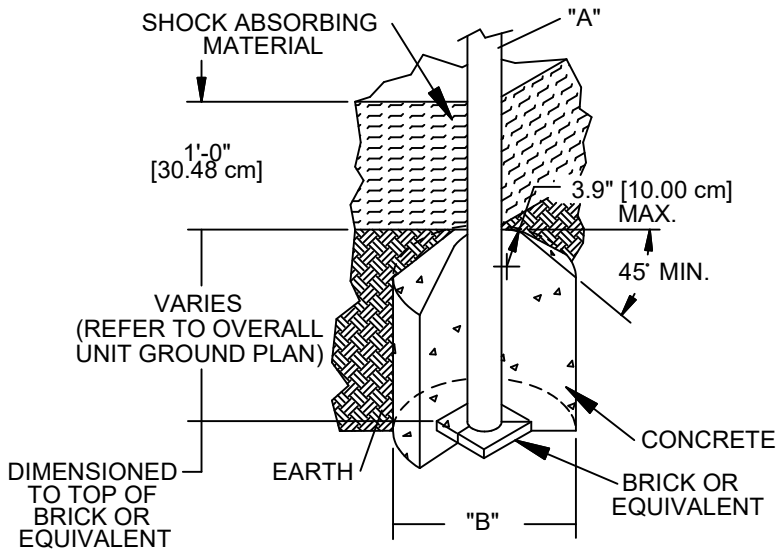
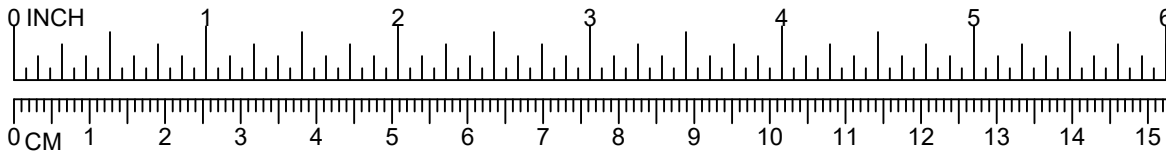
DETAILS -for- 91290, 91291, 91292, 91293 & 91294

IMPORTANT

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

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

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



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

NOTES:

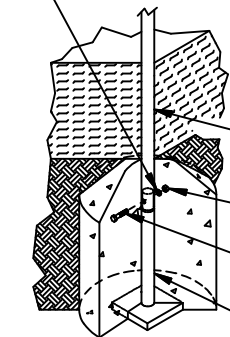
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

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

3/8" LOCKWASHER
(817334)



PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/13/2020

91523 RIPPLE PASS LINK

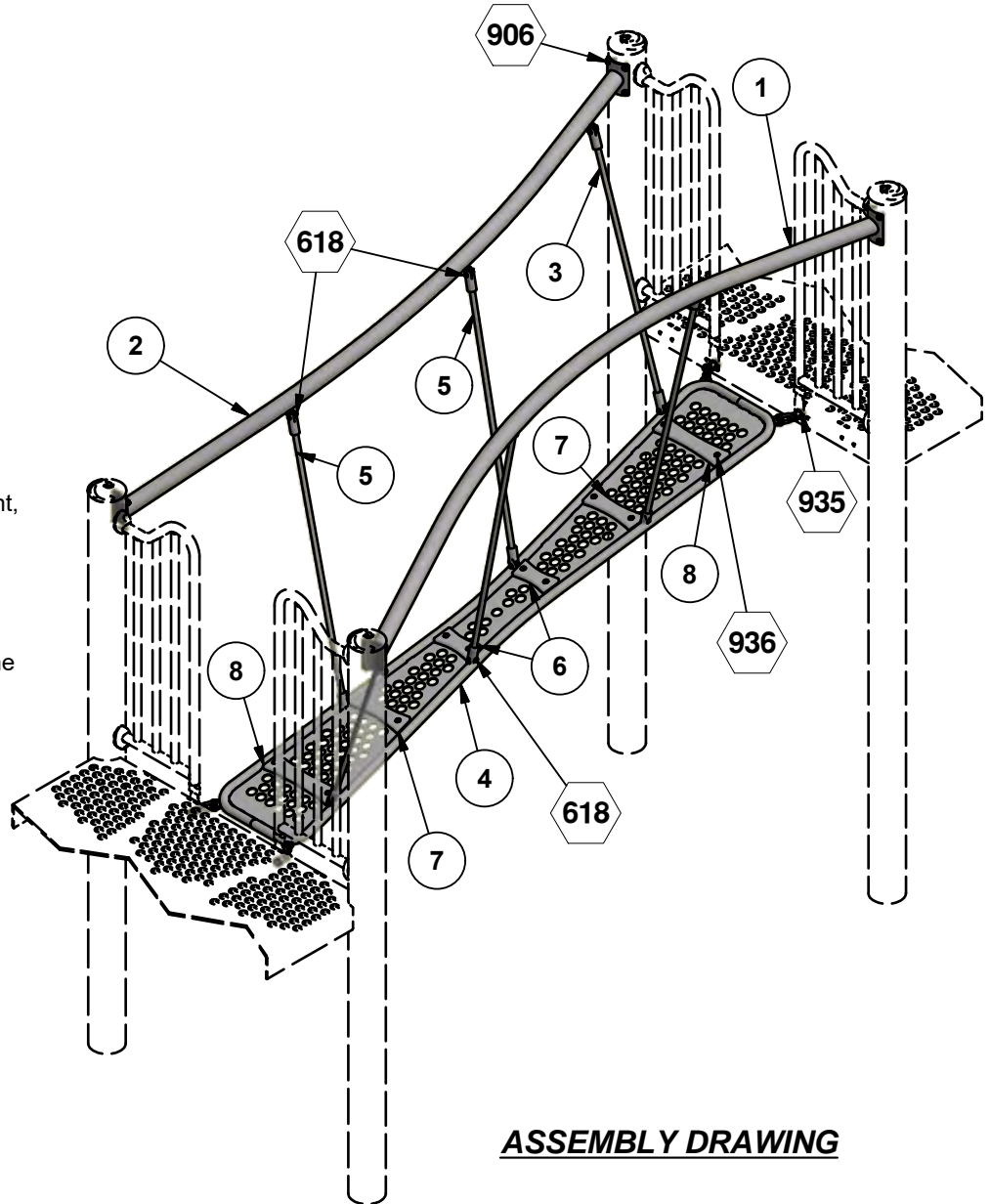
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE

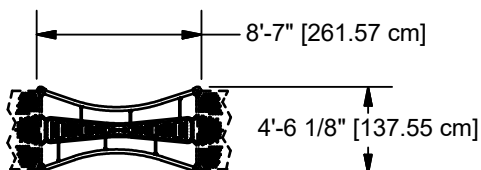


INSTALLATION INSTRUCTIONS

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

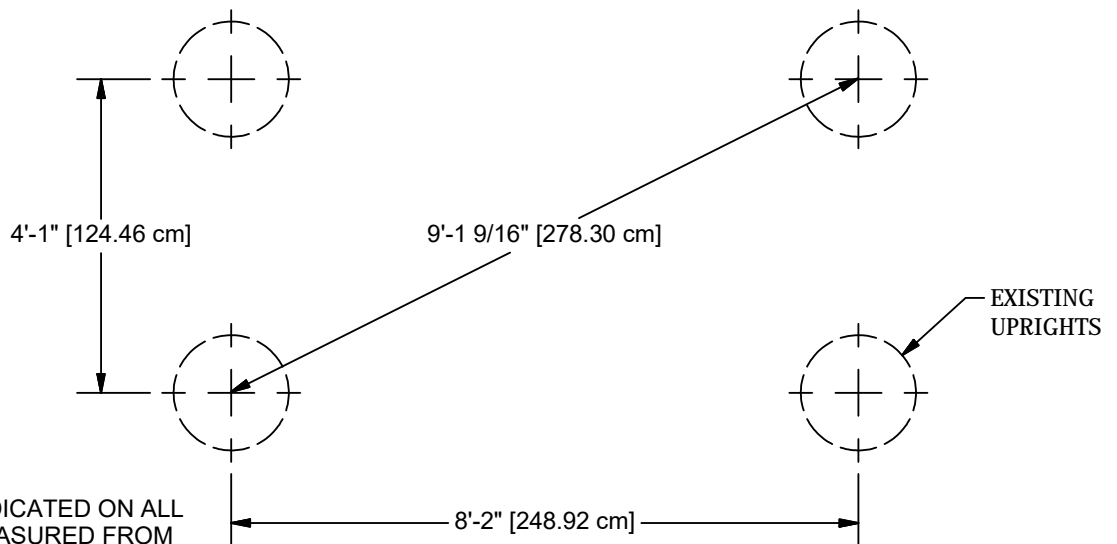
Parts List			
REF	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL WELD ASSEMBLY	1	218039
2	TOP RAIL WELD ASSEMBLY	1	217915
3	CABLE ASSEMBLY	2	217970
4	RIPPLE WALK WELD ASSEMBLY	1	218351
5	CABLE ASSEMBLY	4	217916
6	SHORT HDPE SLAT	2	218345
7	HDPE SLAT	2	218346
8	LONG HDPE SLAT	2	218347
	HARDWARE COMPLETE	1	217955
	1/4" BARREL NUT	12	804809*
	5/16" x 5/8" BUTTON HEAD SHOULDER BOLT	12	802742*
	5/16" x 3/4" P.B.H.C.S. w/PATCH	12	812040*
	5/16" LOCK WASHER	24	817330*
	5/16" FLAT WASHER (5/8" O.D.)	12	817406*
	NUT 5/16"- INSERT TYPE 1	12	HWN0149*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	16	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053*
	3/8" LOCK WASHER	20	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
	3/8" FLAT WASHER	16	817410*
	3/8" PLASTIC SPACER	8	817613*
	D SHACKLE w/NO-SNAG PIN	4	161853*
	3/8" EYE NUT	4	804780*

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

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

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

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



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

GROUND PLAN

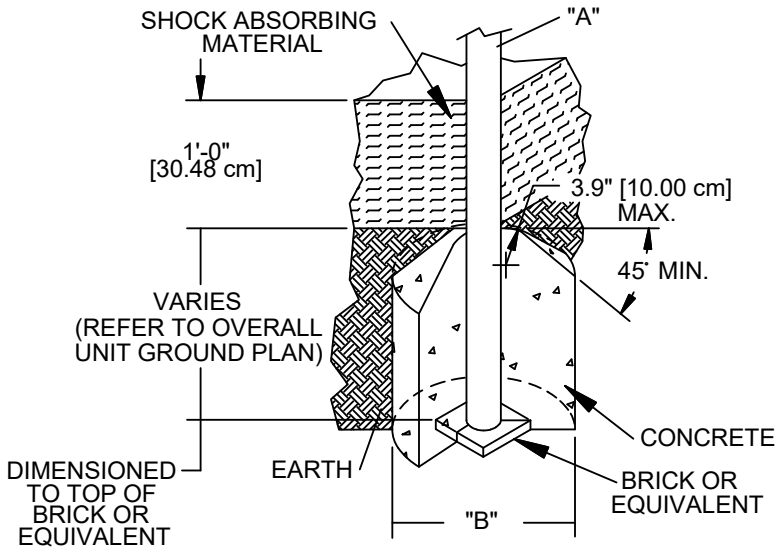
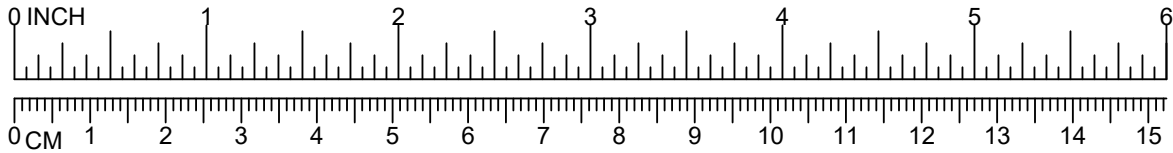
DETAILS -for- 91523

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.



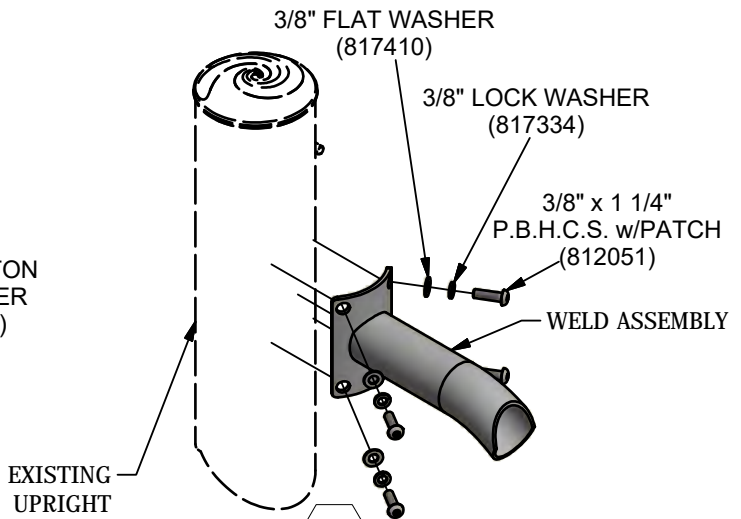
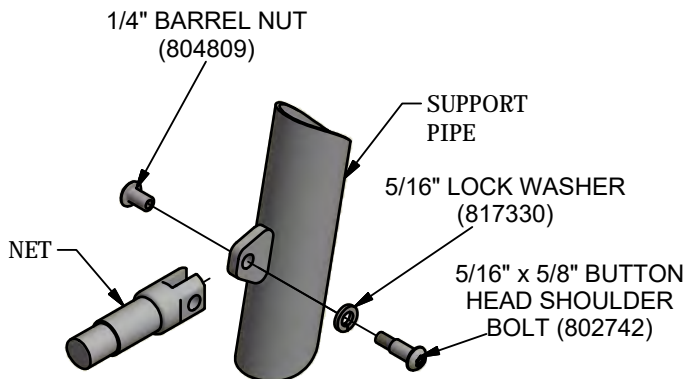
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



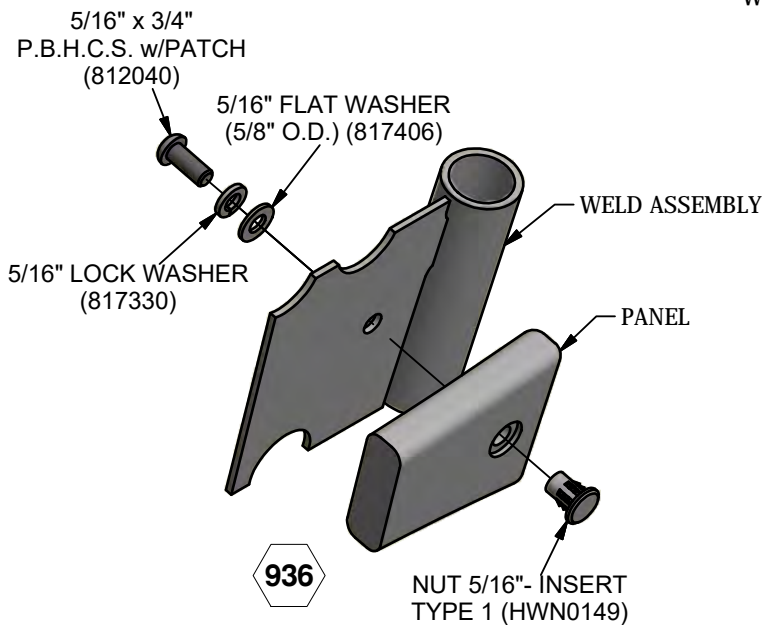
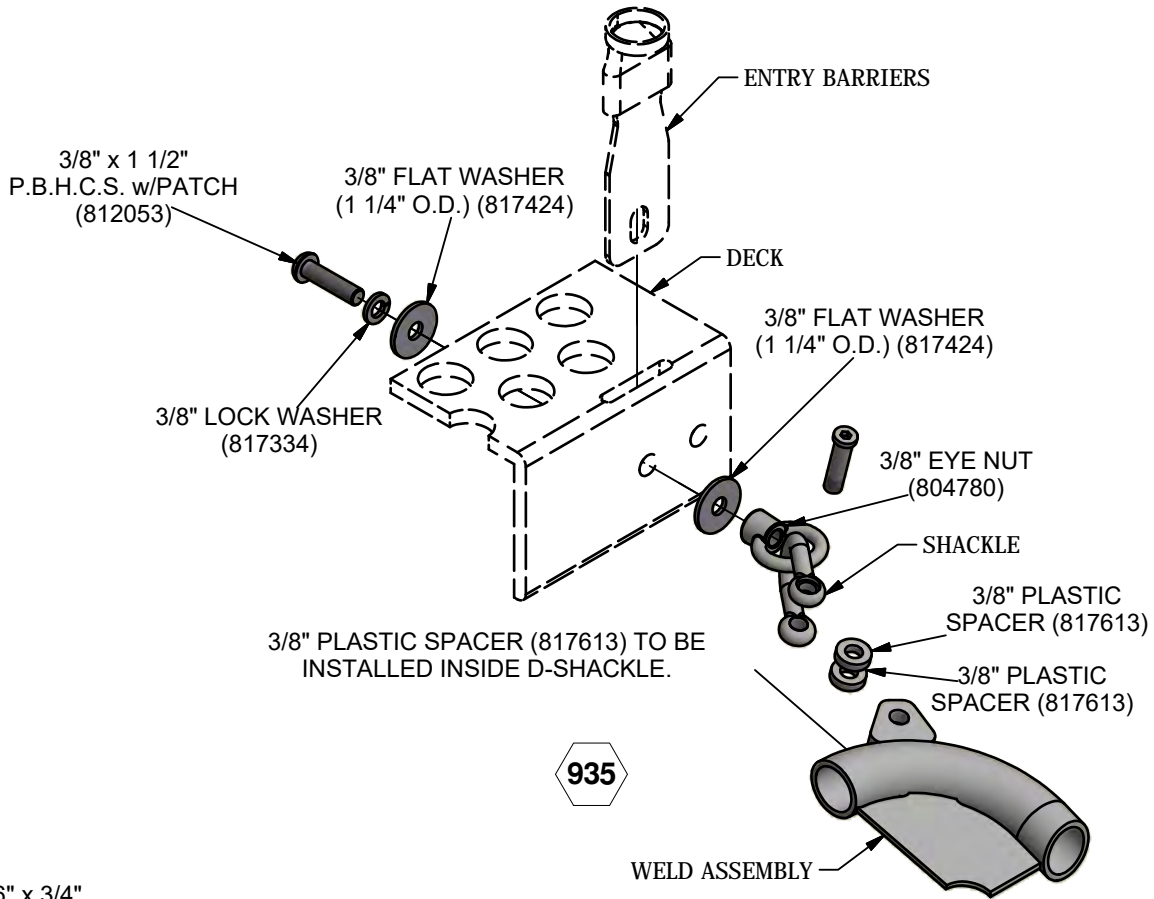
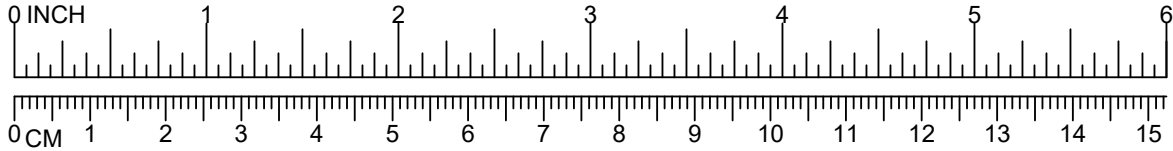
DETAILS -for- 91523

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.



APPENDIX A:

Orchard Ridge Park

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**





Enriching Childhood Through Play™

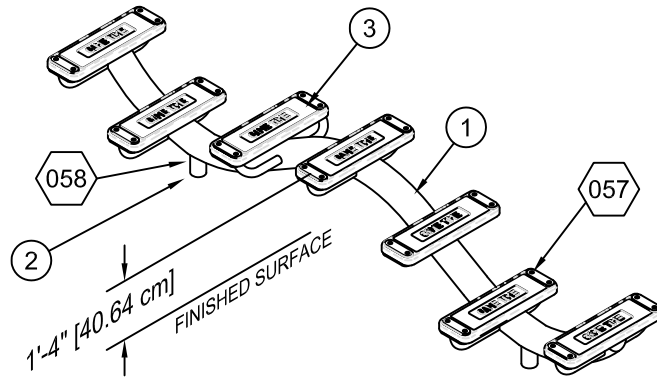
1-800-235-2440

8665

INCHWORM CLIMBER

ISSUED/REVISED: 08/17/12

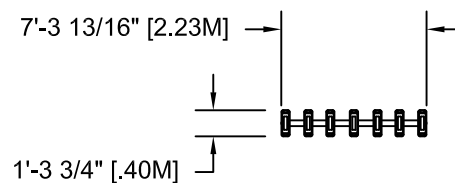
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



ASSEMBLY DRAWING

SPECIFICATIONS

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



TOP VIEW

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

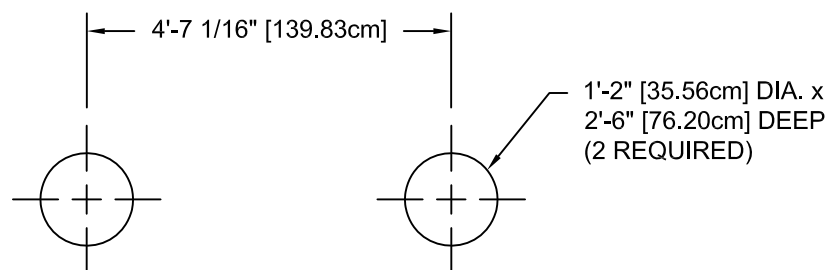
*THE ASTM USE ZONE AND CSA PROTECTIVE SURFACING ZONE ARE DETERMINED BY EXTENDING THE PRODUCT OUTSIDE DIMENSIONS SHOWN A MINIMUM ADDITIONAL DISTANCE OF 6'-0" [1.8M] IN ALL DIRECTIONS.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

STEP 1: Dig holes according to Ground Plan.

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

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

STEP 3: Level the Inchworm Climber using sway bracing.

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

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

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Inchworm Climber Ass'y	1	159920
2	Extension	2	168187
	<i>Hardware Complete</i>	1	160406
3	Swing Seat	7	163115*
	3/8" x 2" B.H.C.S.	4	811055*
	3/8" x 1 1/2" B.H.C.S.	28	811053*
	3/8" Flatwasher	56	817410*
	3/8" Hex Nut	28	804053*
	3/8" Lockwasher	32	817334*
	3/8" Tee-Nut	4	804556*

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

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

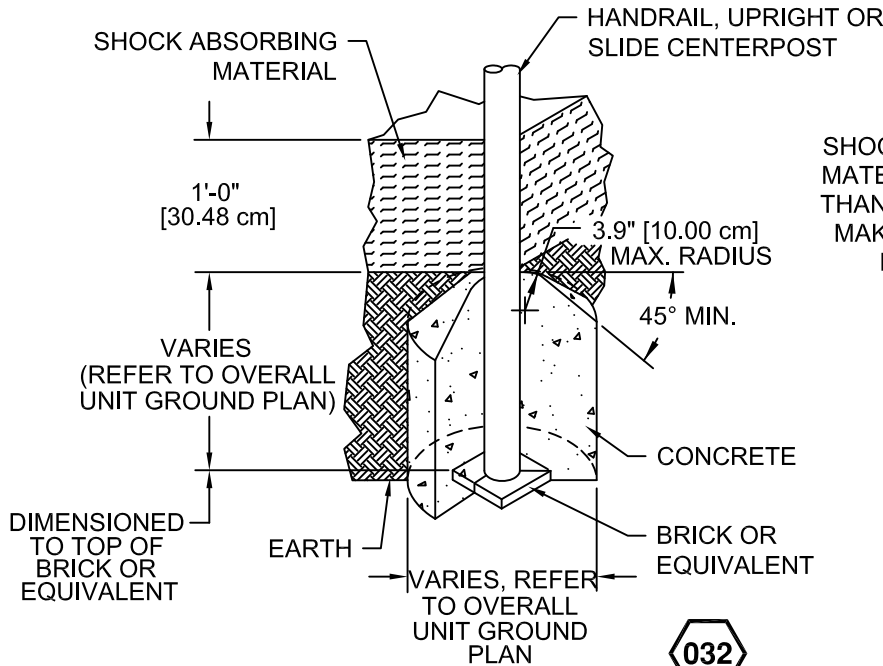
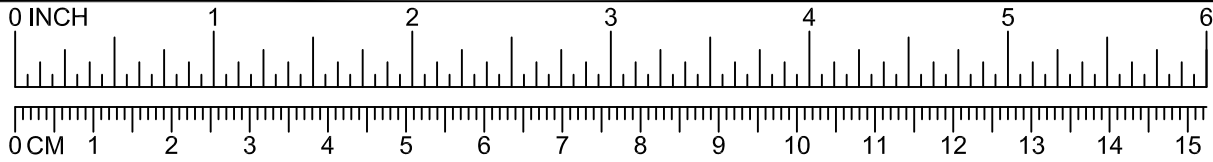
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 8665

IMPORTANT

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

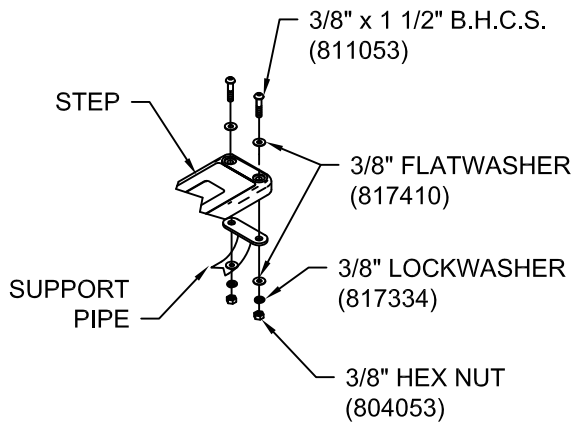
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

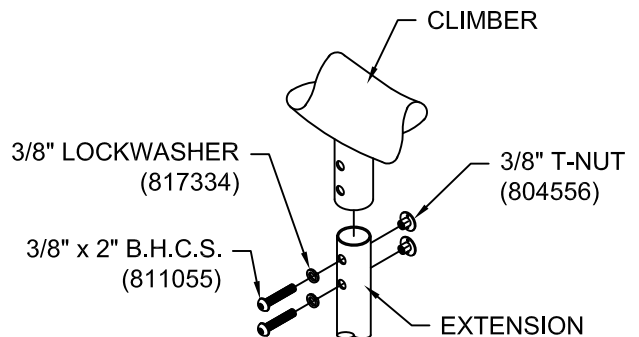
NOTES:

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



057

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





058



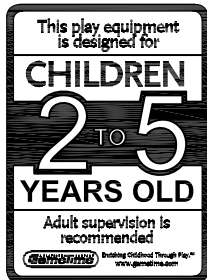
Enriching Childhood Through Play.
1-800-235-2440

8691 SEAT

ISSUED/REVISED: 10/30/17

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

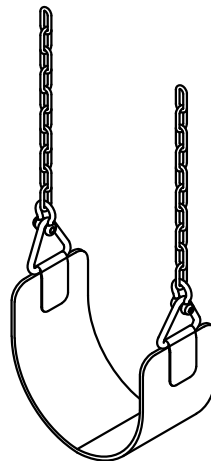
BELT SEAT 8691
FULLY ENCLOSED SEAT 8693
 8695, 8696, 8908, 8909, 8910, 8911,
 8914, 8918, SS8914, SS8695,
 SS8696, SS8918, SS8908, SS8910,
 SS8909, SS8911
SEAT PACKAGES



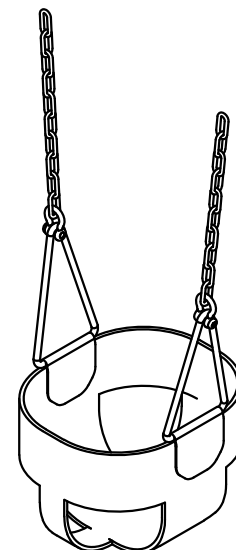
8695, 8696, 8914, SS8914, SS8695, SS8696



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



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

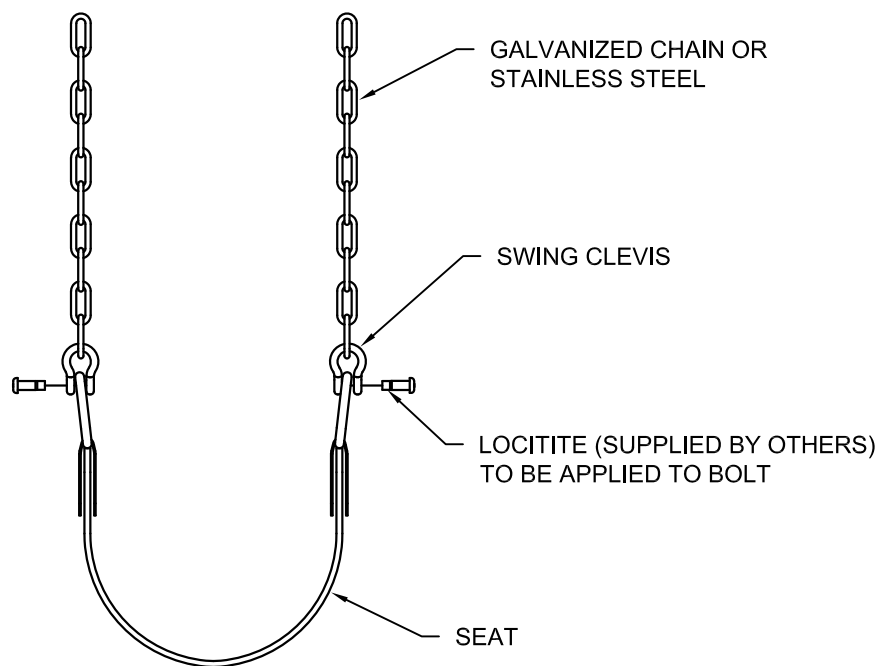
DESCRIPTION	NO. REQUIRED								PART NO.
	8691	8918	8908	8910	8909	8911			
Belt Seat	1	1	1	1	1	1			8691
Swing Hanger (2-3/8" O.D.)	0	0	2	0	2	0			1461
Swing Hanger (3-1/2" O.D.)	0	0	0	2	0	2			1462
Swing Hanger (5" O.D.)	0	2	0	0	0	0			1487
Chain	0	2	0	0	0	0			103052
Chain	0	0	2	2	0	0			166892
Chain	0	0	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

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

SPECIFICATIONS

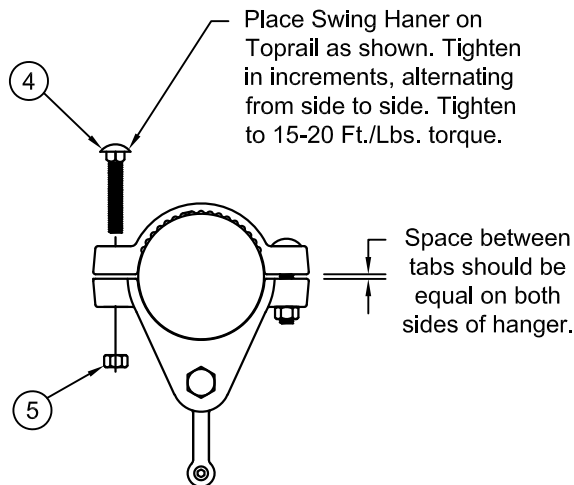
MATERIAL: All swing hanger castings shall be cast of malleable iron.

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

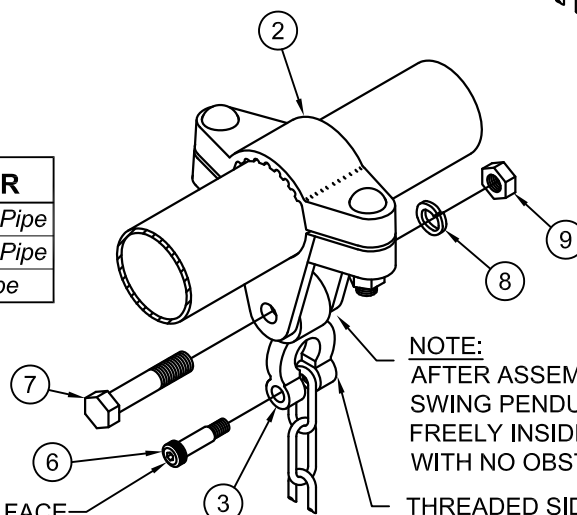
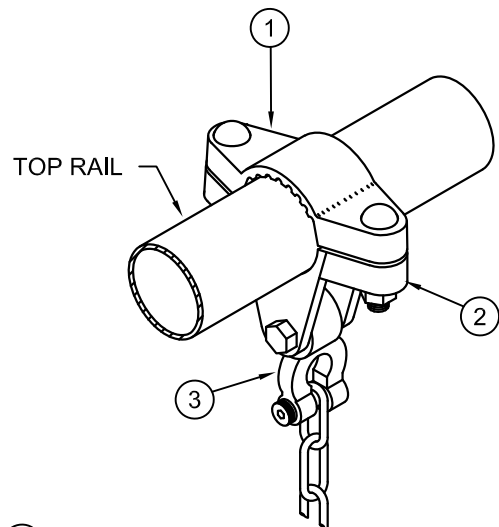
FINISH: All top and bottom clevis parts shall be galvanized or powder coated. The swing pendulum shall be galvanized only.

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.



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



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

NOTE: BOLT HEAD TO FACE
 INTERIOR OF SWING

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

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.

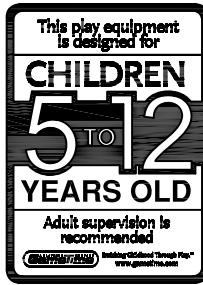
Power & Scape®

A PLAYCORE COMPANY
GameTime®

Enriching Childhood Through Play™

1-800-235-2440

ISSUED/REVISED: 08/17/12



10178

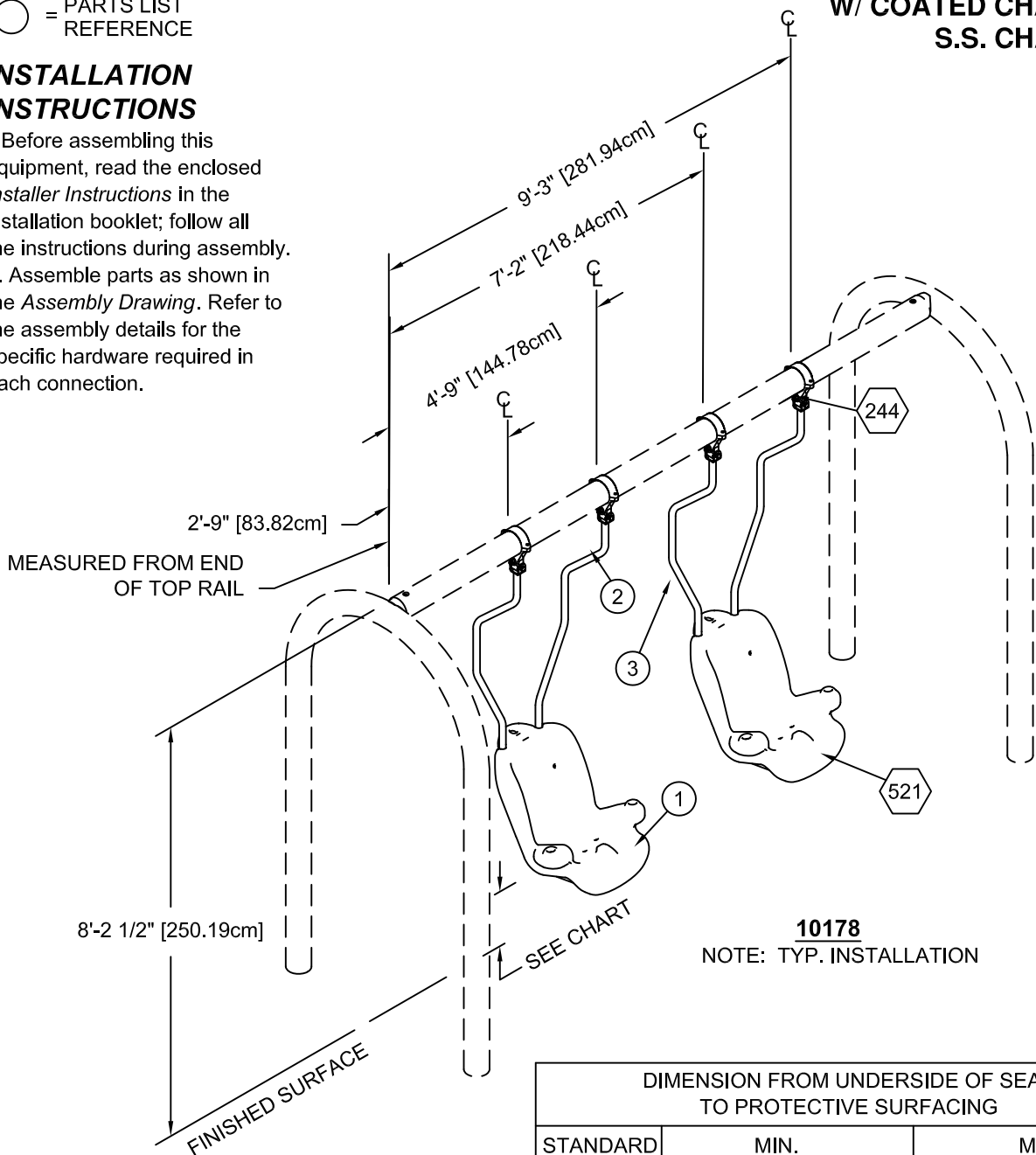
ADAPTIVE SWING

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

W/ RUNGS 10178
W/ CHAIN 17255
W/ COATED CHAIN 17256
S.S. CHAIN SS7255

INSTALLATION INSTRUCTIONS

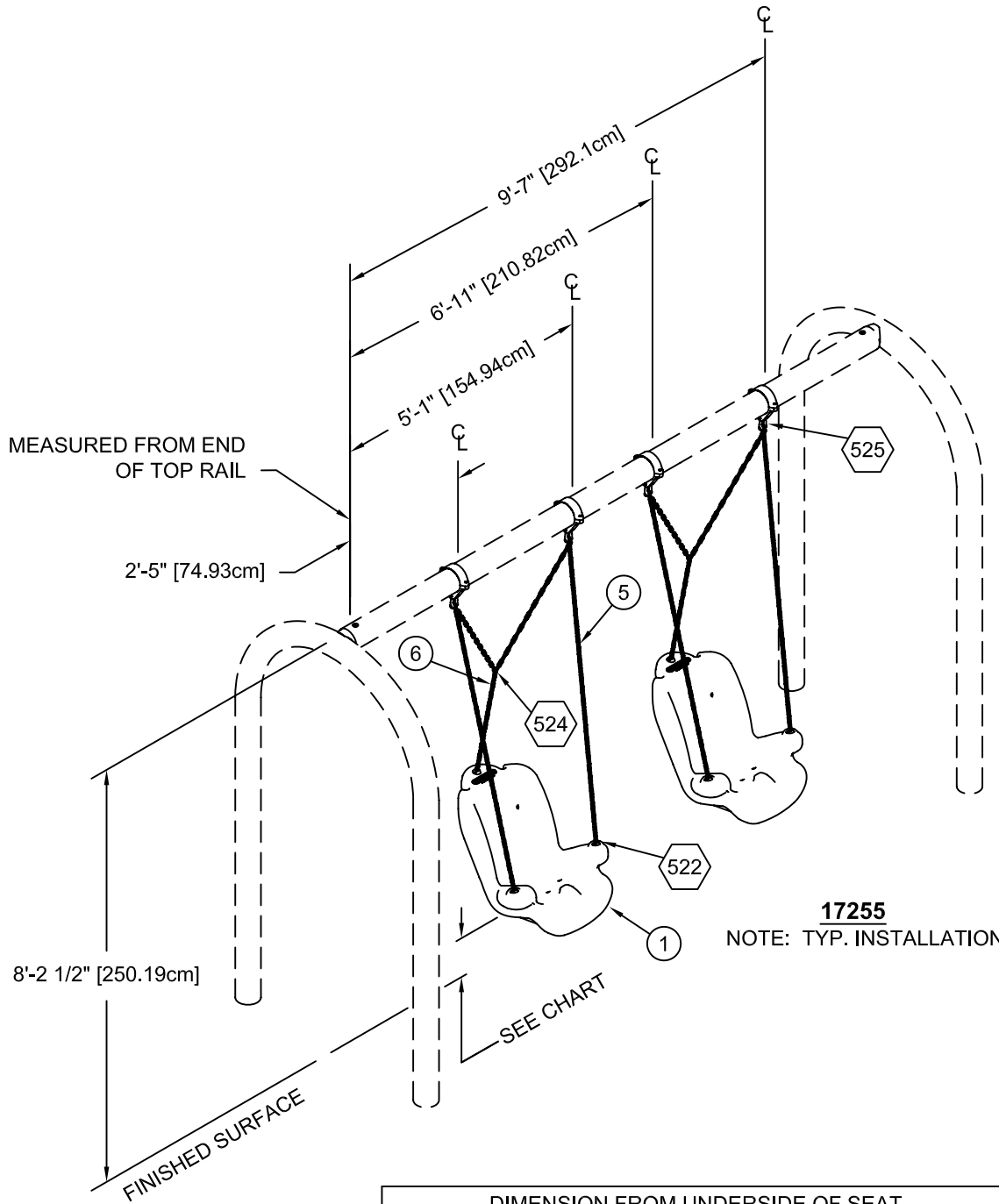
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.



10178
NOTE: TYP. INSTALLATION

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	1'-2" [35.56cm]	1'-6" [45.72cm]
ASTM	1'-0" [30.48cm]	N/A
DIN	1'-3 3/4" [40.00cm]	N/A
CPSC	N/A	N/A

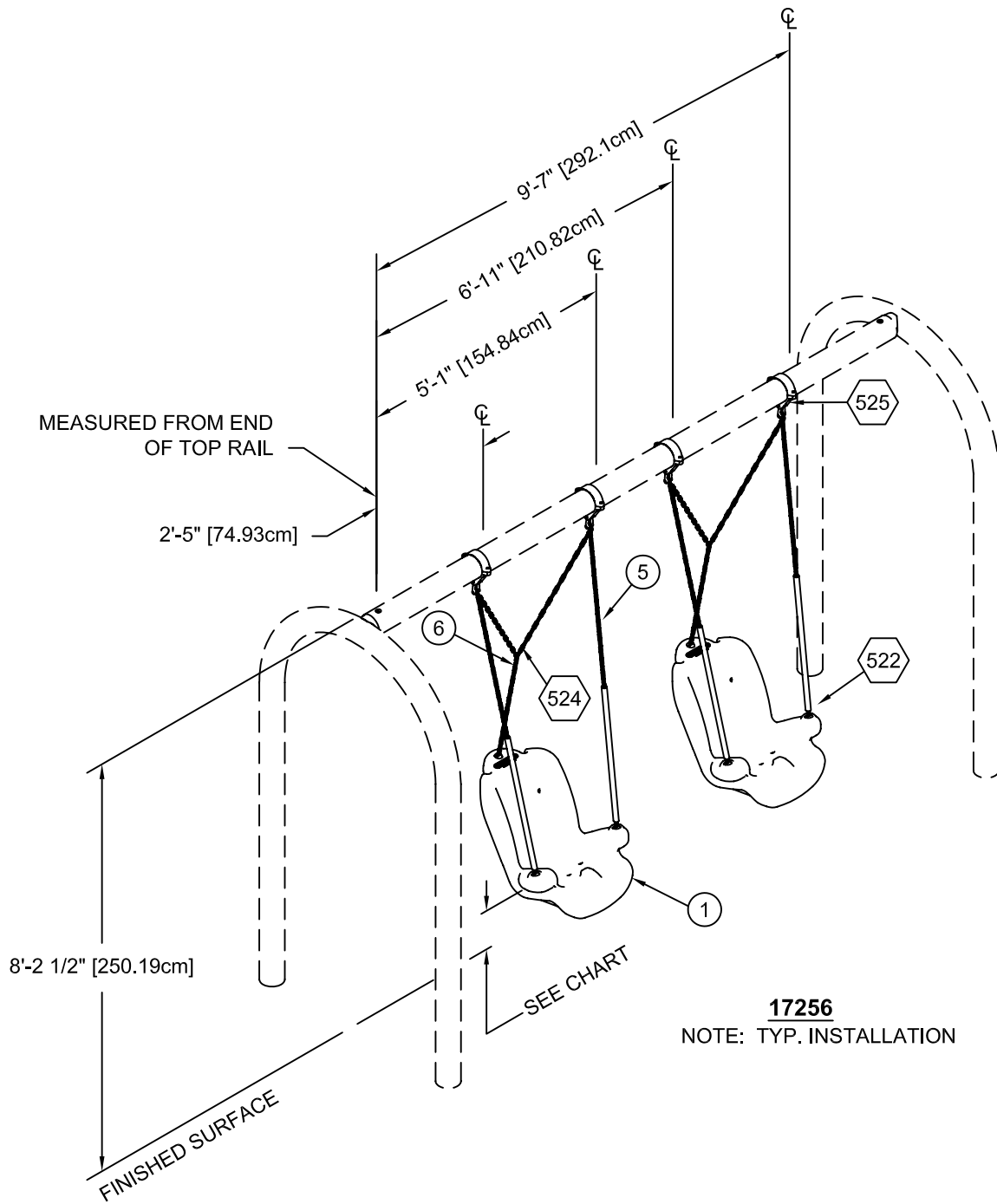
* UNDER LOADED CONDITION BASED ON WEIGHT OF 165lb. [75kg.]



17255
NOTE: TYP. INSTALLATION

DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	1'-2" [35.56cm]	1'-6" [45.72cm]
ASTM	1'-0" [30.48cm]	N/A
DIN	1'-3 3/4"[40.00cm]	N/A
CPSC	N/A	N/A

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



DIMENSION FROM UNDERSIDE OF SEAT TO PROTECTIVE SURFACING		
STANDARD	MIN.	MAX.
*CANADIAN	1'-2" [35.56cm]	1'-6" [45.72cm]
ASTM	1'-0" [30.48cm]	N/A
DIN	1'-3 3/4" [40.00cm]	N/A
CPSC	N/A	N/A

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

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.				PART NUMBER
		10178	17255	17256	SS7255	
1	Adaptive Swing Seat	1	1	1	1	166082
2	Right Support Arm	1	0	0	0	200637
3	Left Support Arm	1	0	0	0	200634
4	Safe-T-Grip Chain, 94" Lg.	0	0	2	0	167451
	Hardware Complete	1	0	0	0	200684
	Hardware Complete	0	1	0	0	166924
	Hardware Complete	0	0	1	0	166881
	Hardware Complete	0	0	0	1	178034
5	Chain, 94" Lg.	0	2	0	0	166921*
6	Chain, 24 5/8" Lg.	0	1	1	0	166922*
5	Chain, 94" Lg.	0	0	0	2	177999*
6	Chain, 24 5/8" Lg.	0	0	0	1	177989*
	Swing Clevis	0	1	1	1	166683*
	1/4" x 2 3/4" B.H.C.S	4	0	0	0	811021*
	1/4" Lockwasher	4	0	0	0	817326*
	1/4" Flatwasher 5/8" O.D.	4	0	0	0	817408*
	1/4" Tee Nut	4	0	0	0	804559*
	3/8" x 1 1/4" B.H.C.S.	0	3	3	3	811051*
	3/8" Hex Nut	0	3	3	3	804053*
	Swing Hanger	0	2	2	2	1487
	Chain Plug Insert	0	6	6	6	179799*
	1/2" Pin-In Hex Bit (5/16")	0	1	1	1	812644*
	Top Clevis	2	0	0	0	157005*
	Bottom Clevis	2	0	0	0	157013*
	1/2" x 2 1/2" Hex Bolt	4	0	0	0	801200*
	1/2" Hex Nut	4	0	0	0	804055*
	1/2" Lockwasher	4	0	0	0	817342*
	Pendulum	2	0	0	0	200195*
	3/8" x 1 3/4" Carriage Bolt	4	0	0	0	800290*
	3/8" Lock Nut	4	0	0	0	804353*

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

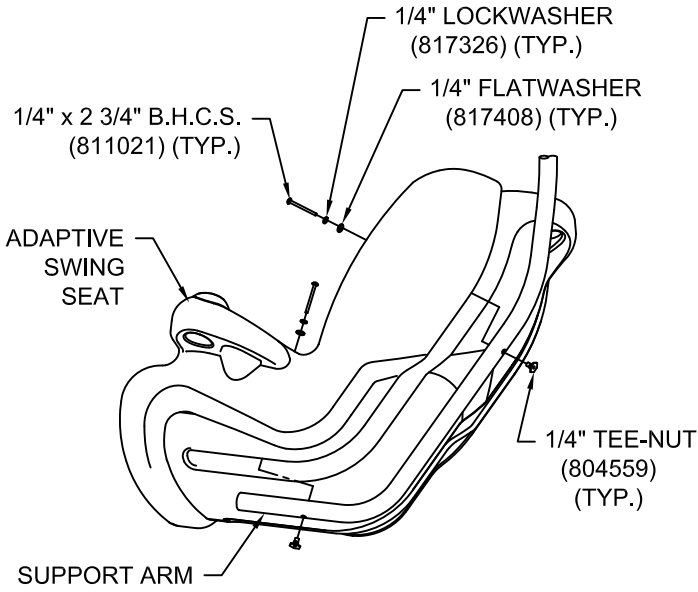
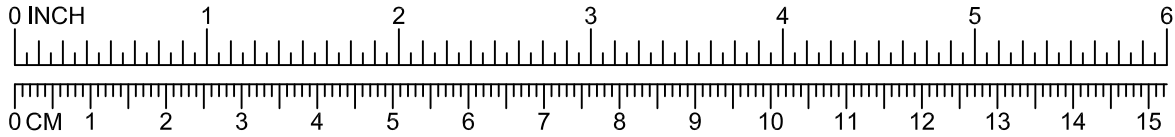
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 10178, 17255, 17256 & SS7255

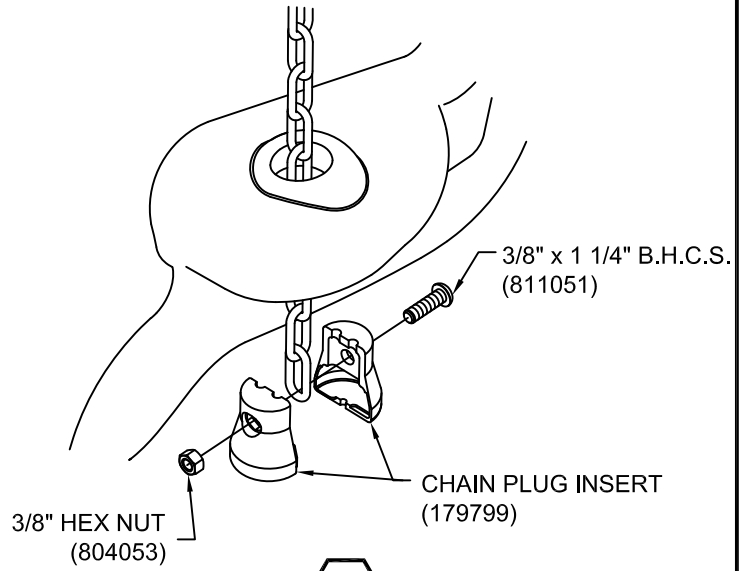
IMPORTANT

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.

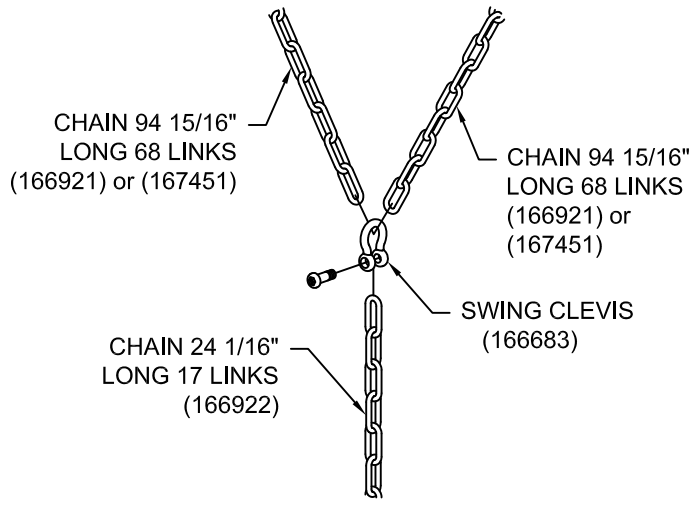
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



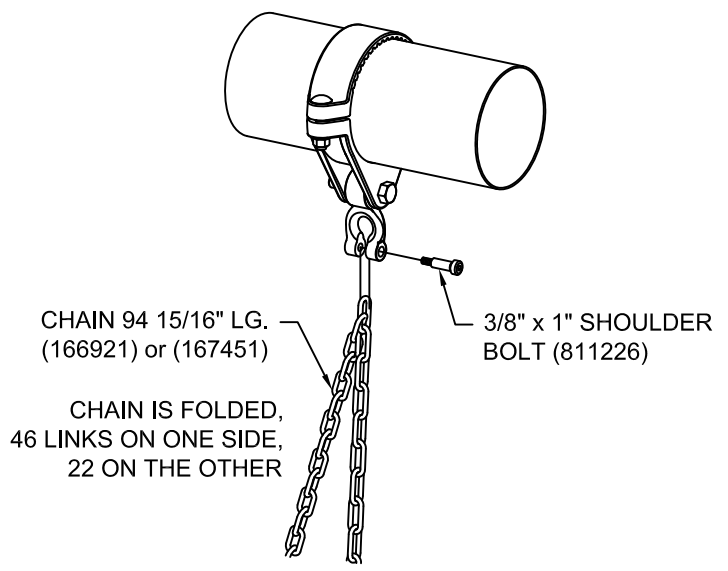
521



522



524



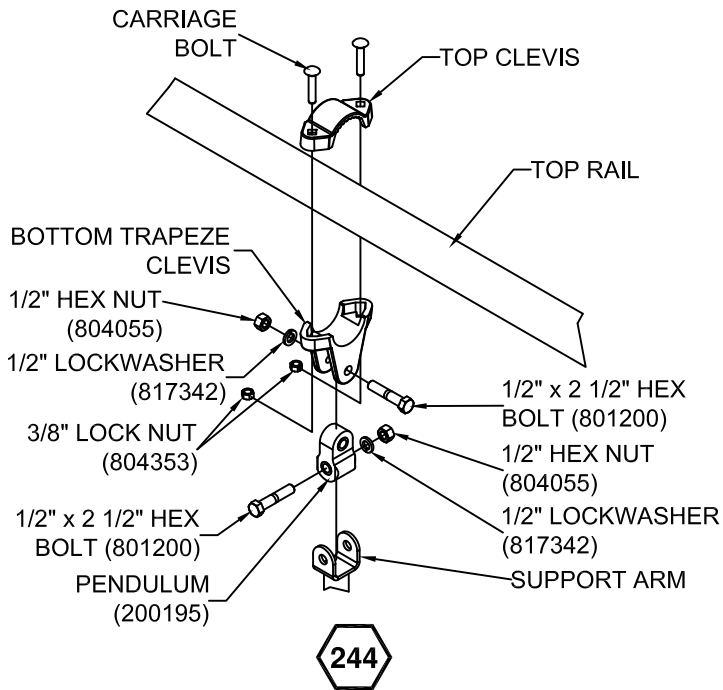
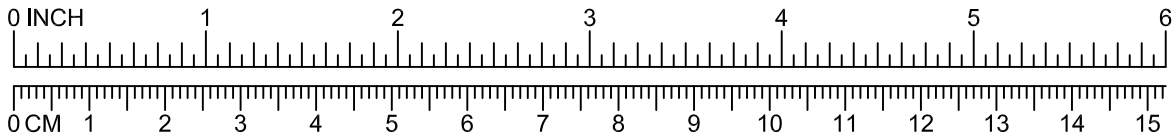
525



DETAILS -for- 10178, 17255, 17256 & SS7255

IMPORTANT

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

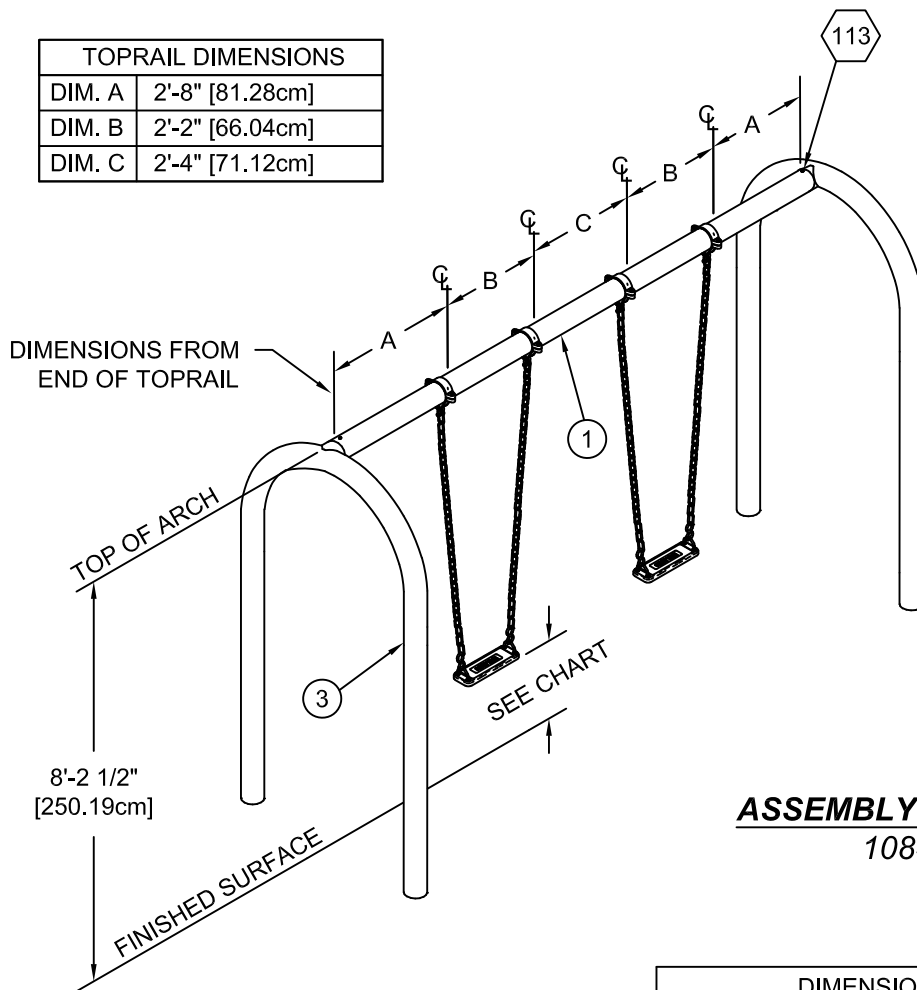
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



-  = INSTALLATION
DETAIL
 = PARTS LIST
REFERENCE

**NOTE: 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.

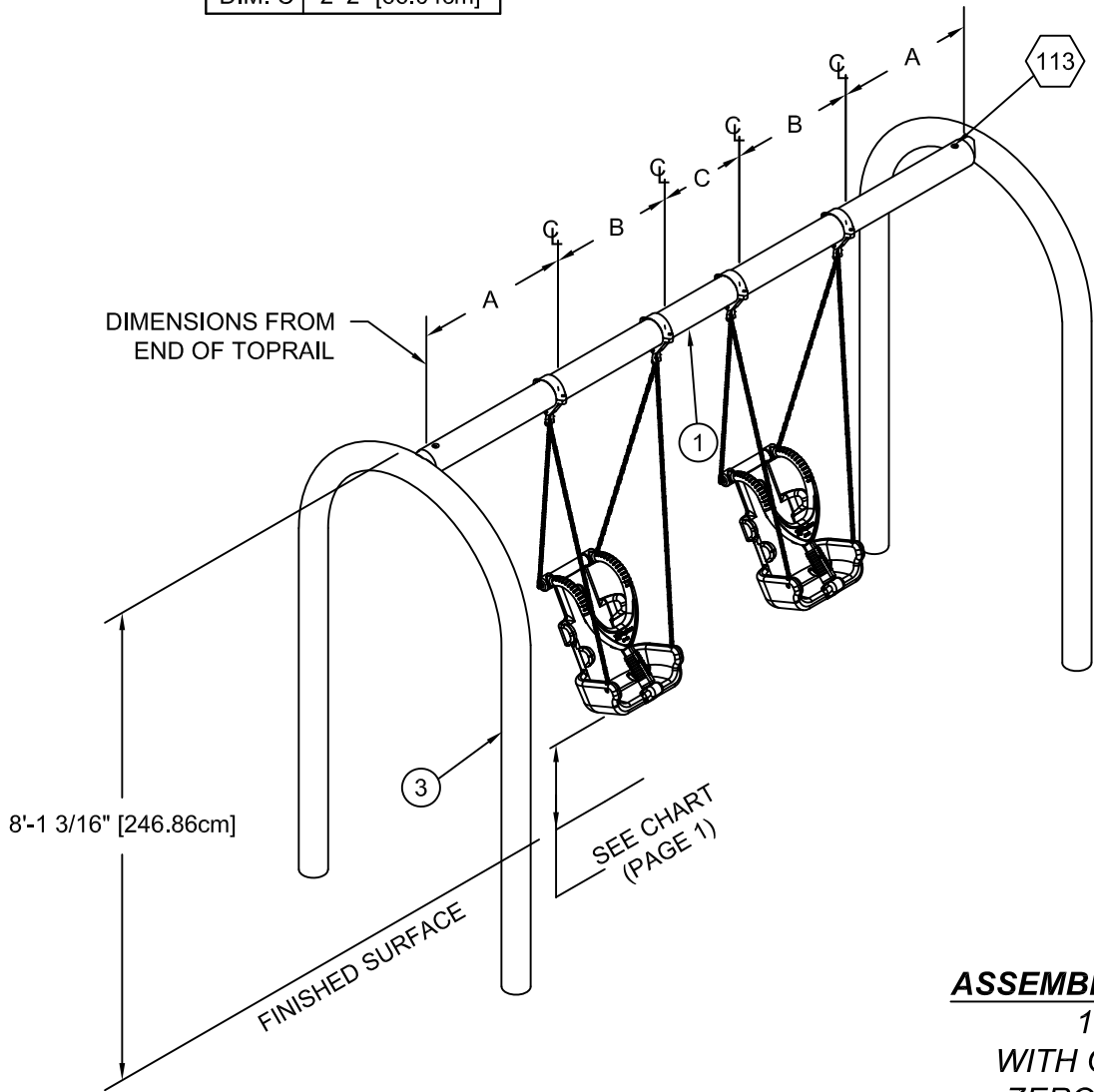
ASSEMBLY DRAWING 10847

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

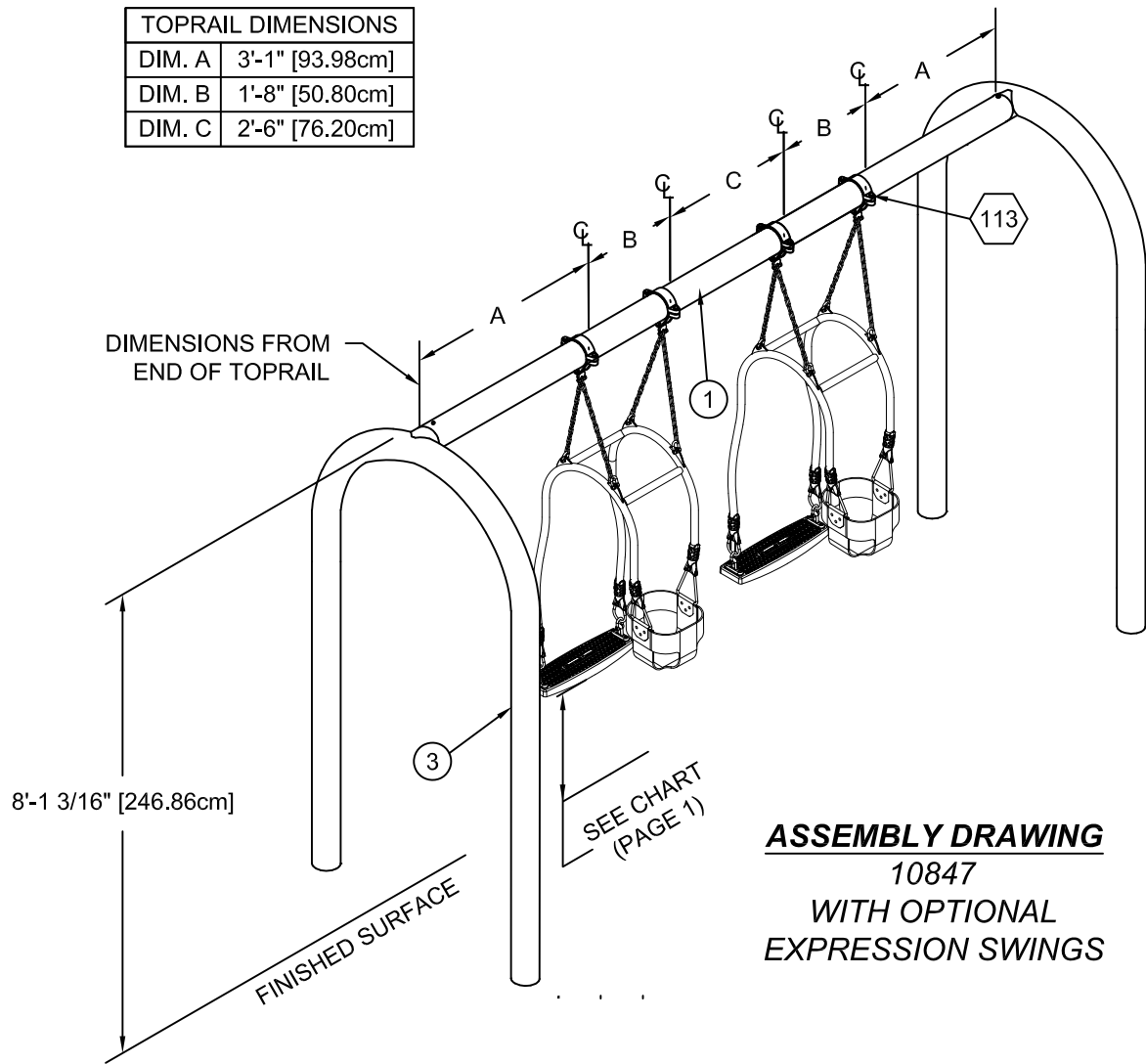
MEASURED WHEN OCCUPIED BY MAXIMUM USERS

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

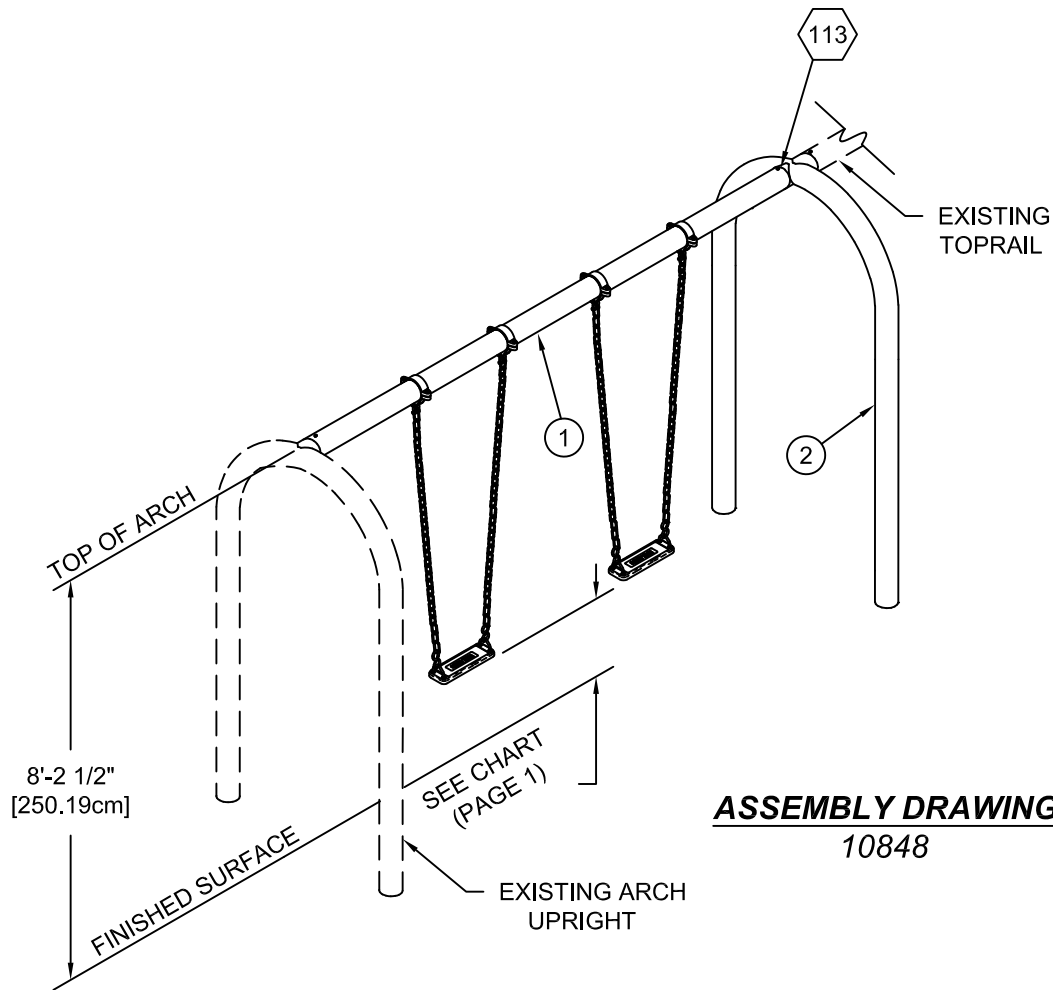


ASSEMBLY DRAWING
10847
WITH OPTIONAL
ZERO-G CHAIR

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



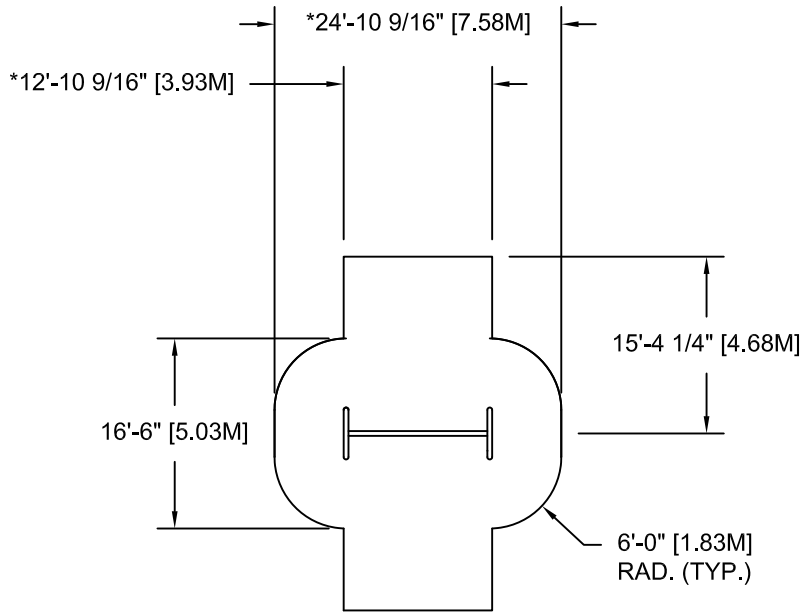
ASSEMBLY DRAWING
10848

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*

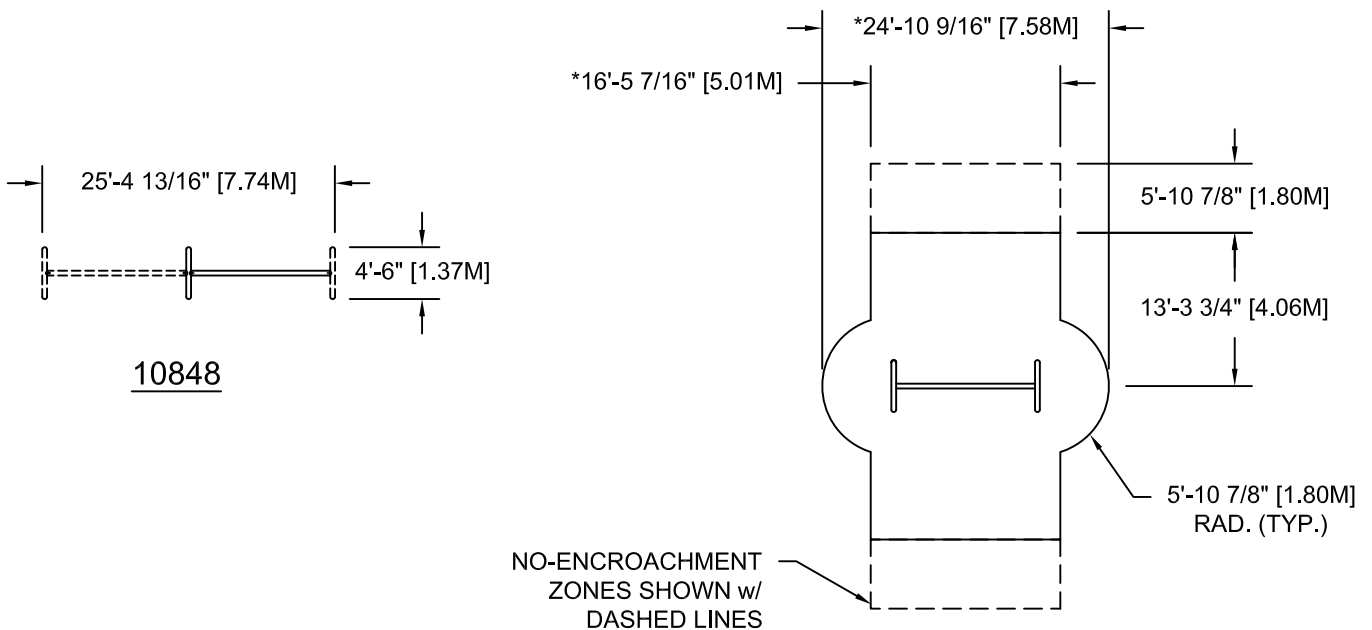
Unless Otherwise Specified, All Units of Measure are Each
* Included in Hardware

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

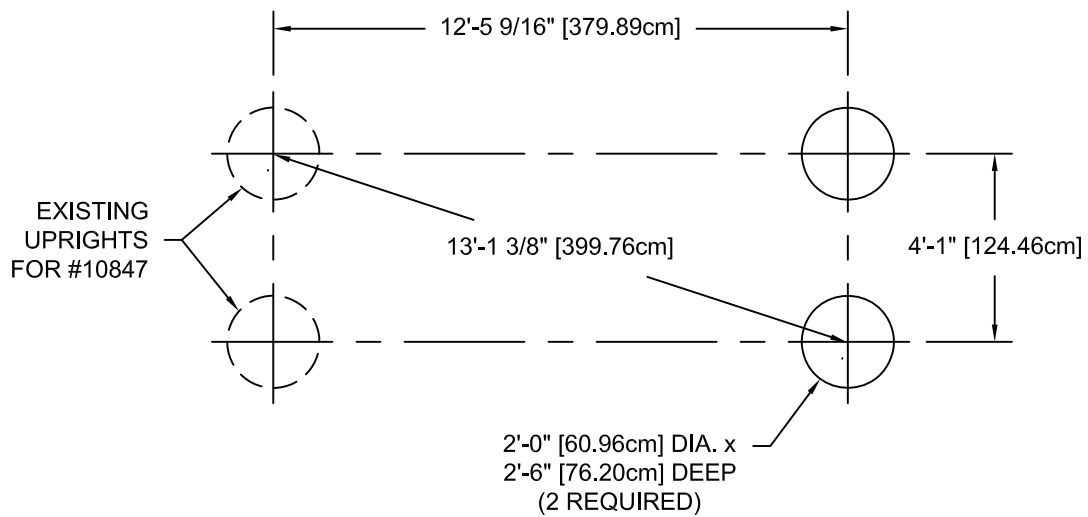
10847



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" [3.18M].



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.

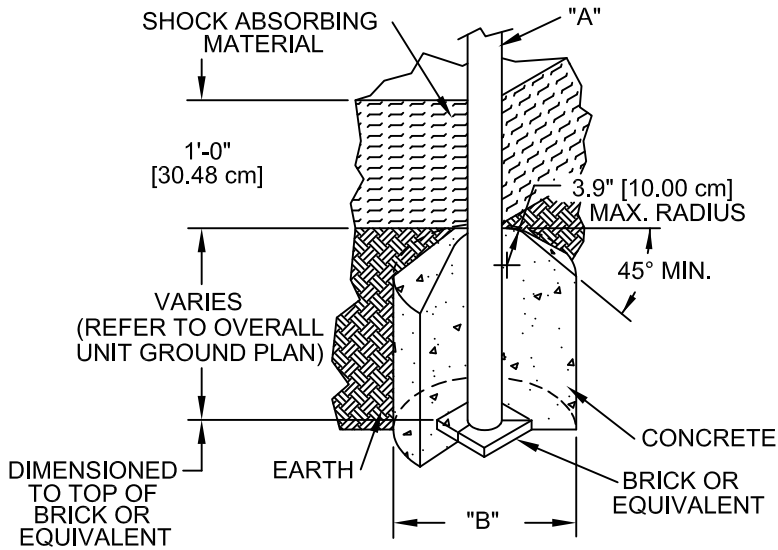
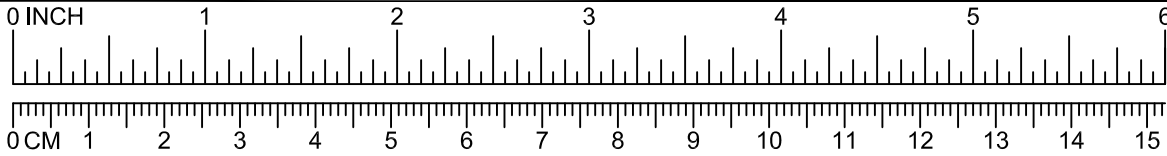
Approximate Concrete Required:
.69 Cubic Yards
[.53 Cubic Meters]
Required Per Arch

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.



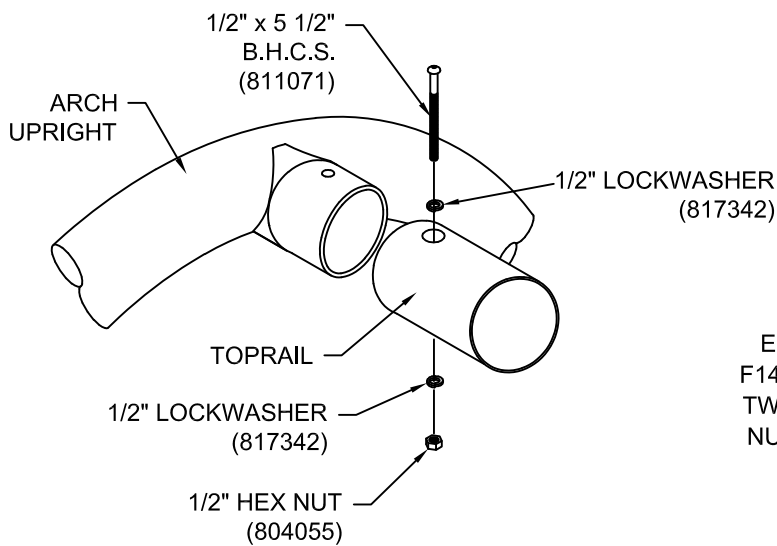
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



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.



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.





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

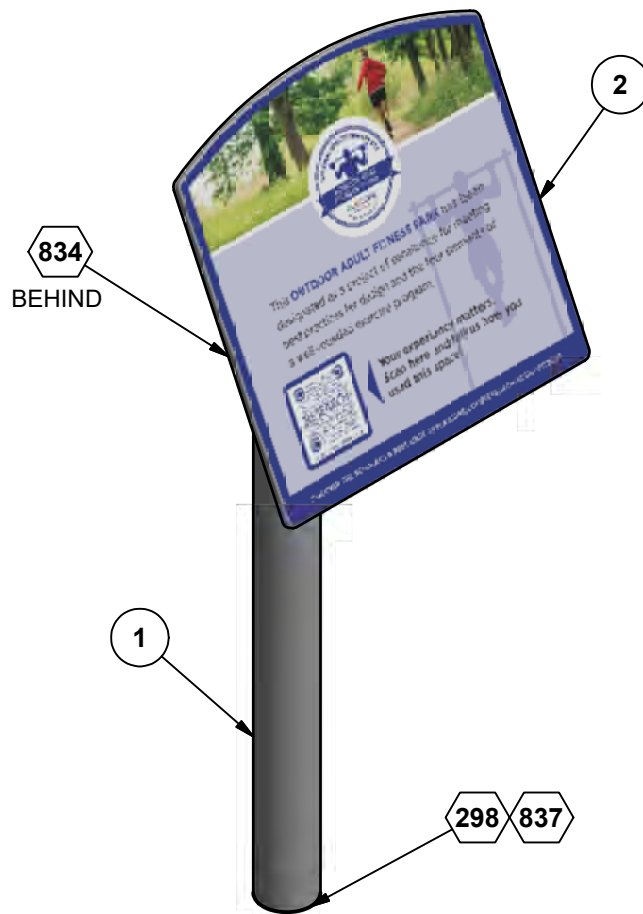
14926

NATIONAL DEMONSTRATION SITE SIGN PACKAGE

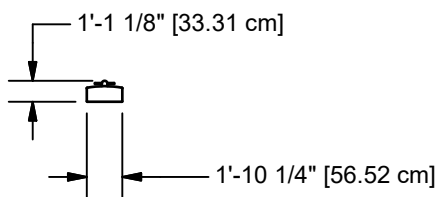
ISSUED/REVISED: 2/15/19

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



ASSEMBLY VIEW



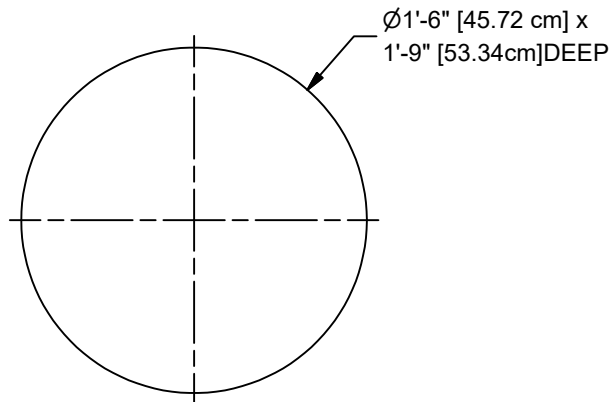
TOP VIEW

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

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

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

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



GROUND PLAN

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

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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

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

SPECIFICATIONS

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

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

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

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

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



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

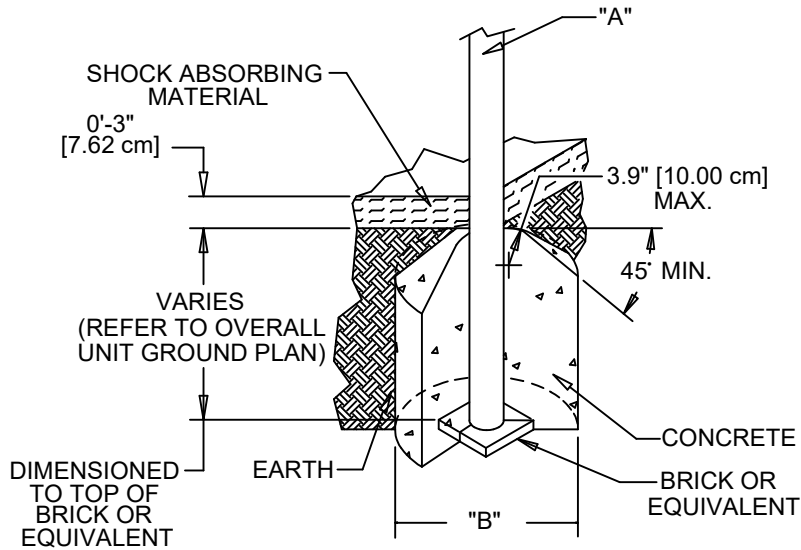
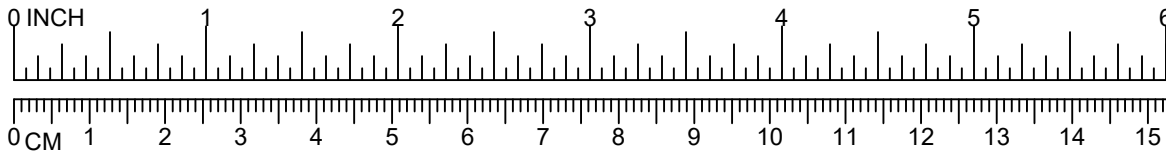
DETAILS -for- 14926-14930

IMPORTANT

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

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

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

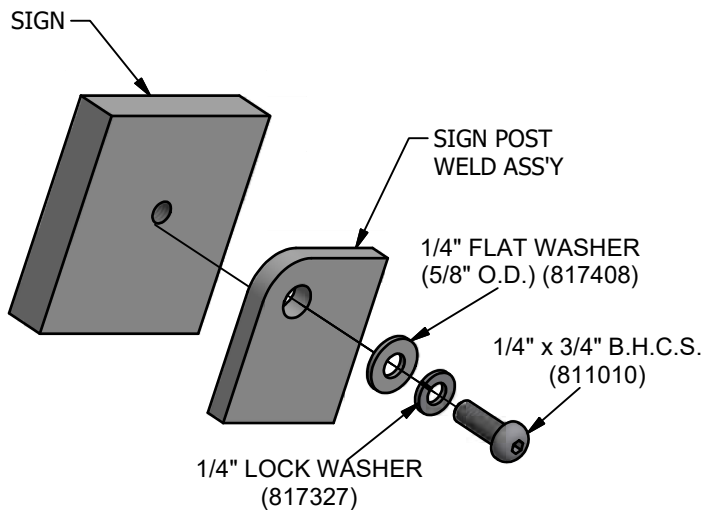


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

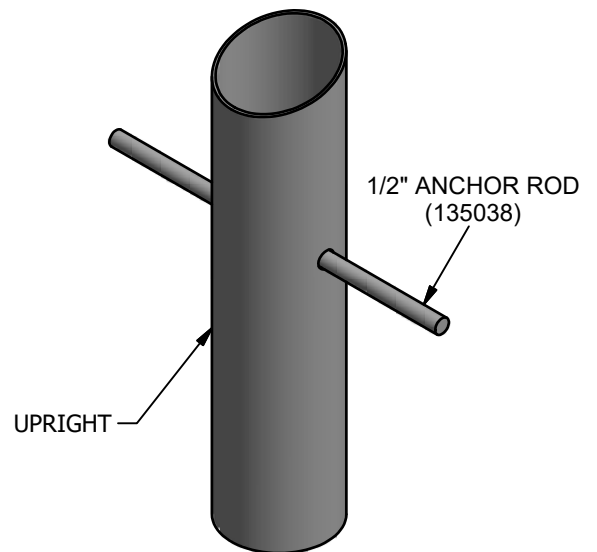
NOTES:

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

298





834



837

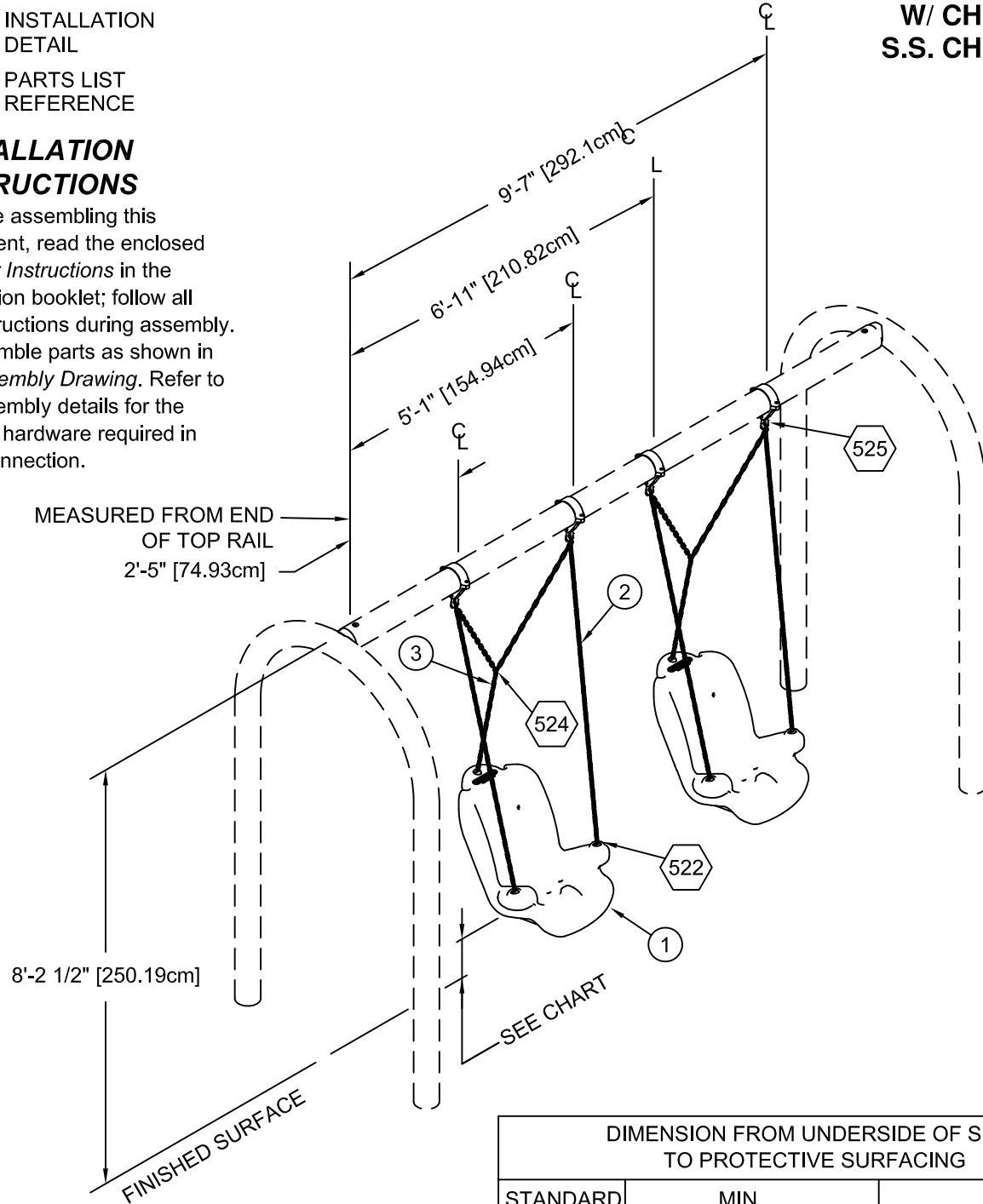


W/ CHAIN 17255
S.S. CHAIN SS7255

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

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



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
		17255	SS7255	
1	Adaptive Swing Seat	1	1	166082
	Hardware Complete	1	0	166924
	Hardware Complete	0	1	178034
2	Chain, 94" Lg.	2	0	166921*
3	Chain, 24 5/8" Lg.	1	0	166922*
2	Chain, 94" Lg.	0	2	177999*
3	Chain, 24 5/8" Lg.	0	1	177989*
	Swing Clevis	1	1	166683*
	3/8" x 1 1/4" B.H.C.S.	3	3	811051*
	3/8" Hex Nut	3	3	804053*
	Swing Hanger	2	2	1487
	Chain Plug Insert	6	6	179799*
	1/2" Pin-In Hex Bit (5/16")	1	1	812644*

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.

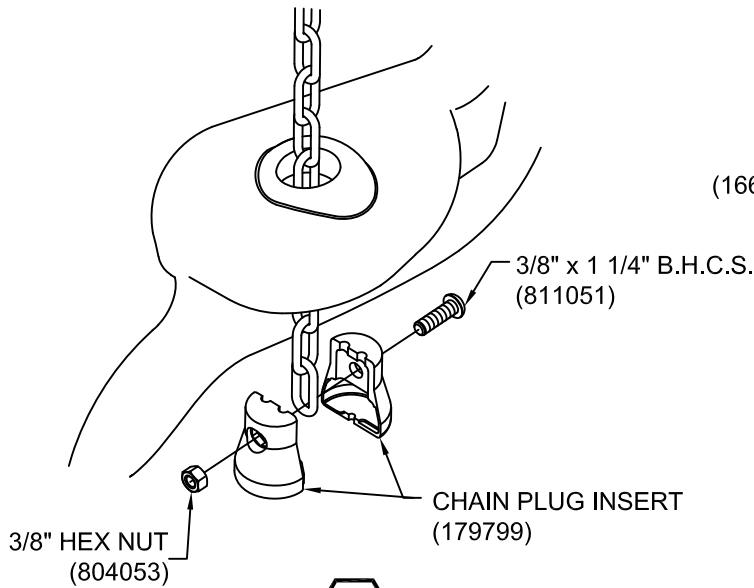
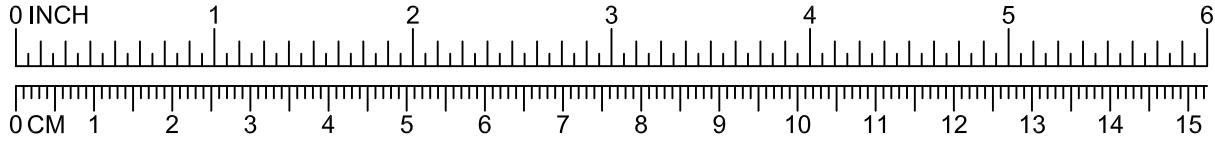
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 17255 & SS7255

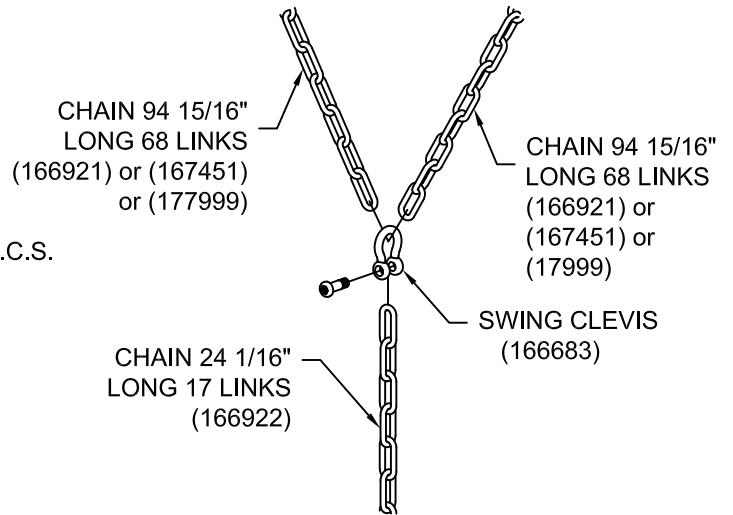
IMPORTANT

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.

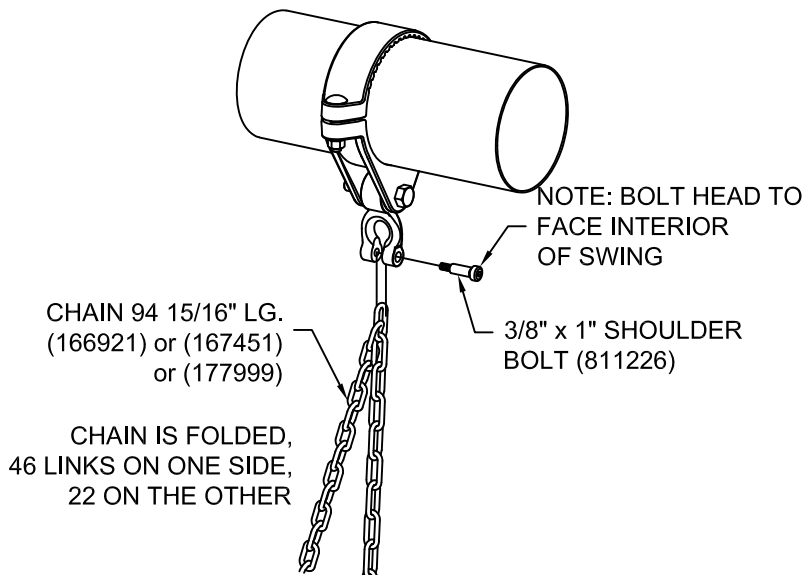
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



522



524





525



Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 3/24/10

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

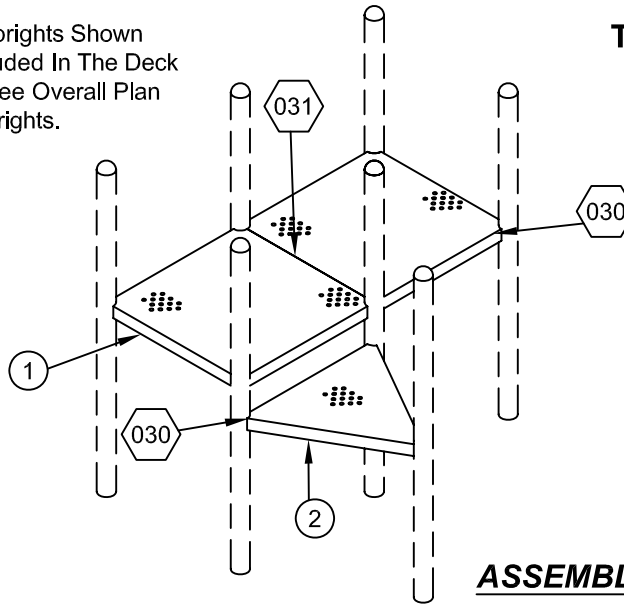
Note: The Uprights Shown
Are Not Included In The Deck
Packages. See Overall Plan
View For Uprights.

SQUARE 80000
TRIANGLE 80001

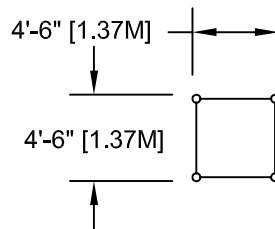
**INSTALLATION
INSTRUCTIONS**

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

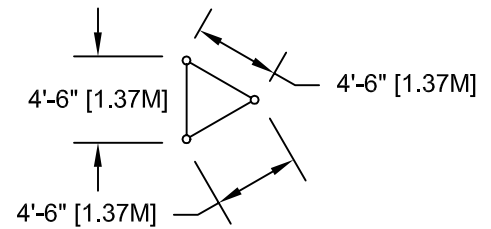
NOTE: Remove vinyl from the two inside holes, with 1/2" bit.



ASSEMBLY DRAWING



80000



80001

TOP VIEWS

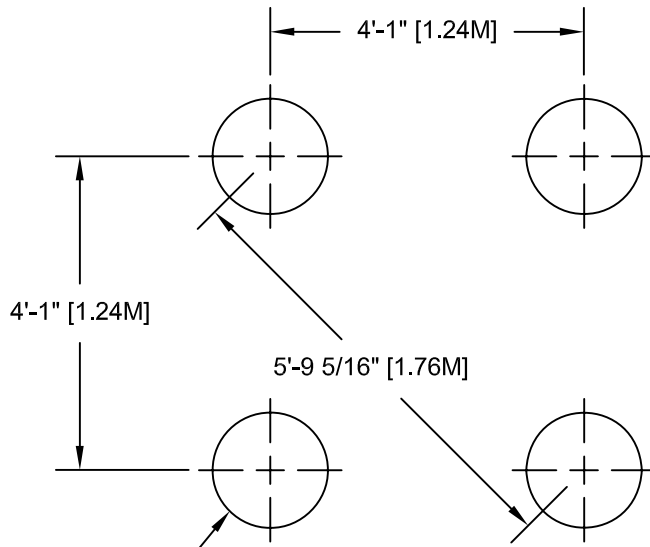
PARTS LIST

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

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



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

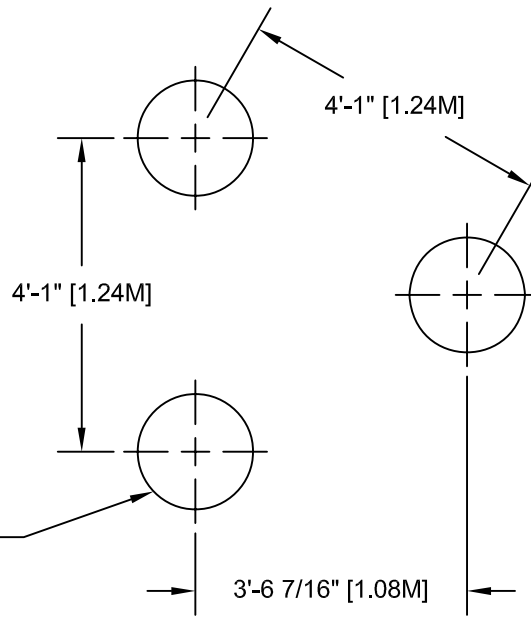


1'-6" [45.72 cm] DIA. x
2'-6" [76.20 cm] DEEP
(QTY. AS REQUIRED)
SEE DETAIL 032

80000

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

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



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

80001

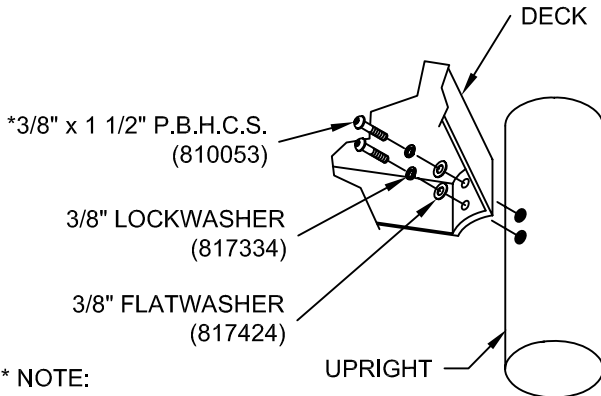
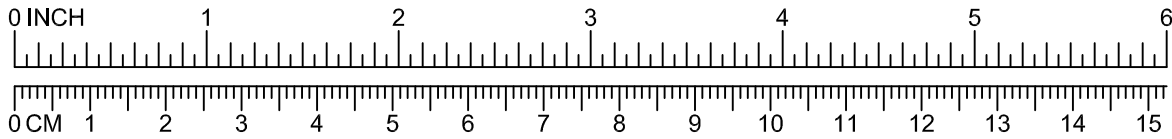
GROUND PLANS

DETAILS -for- 80000 & 80001

IMPORTANT

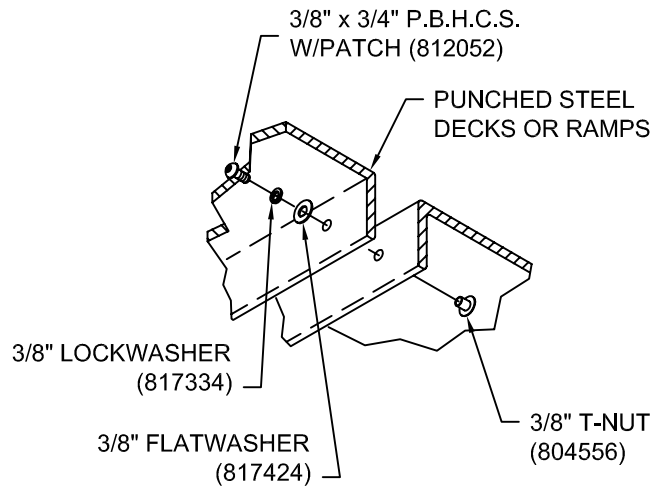
To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.

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



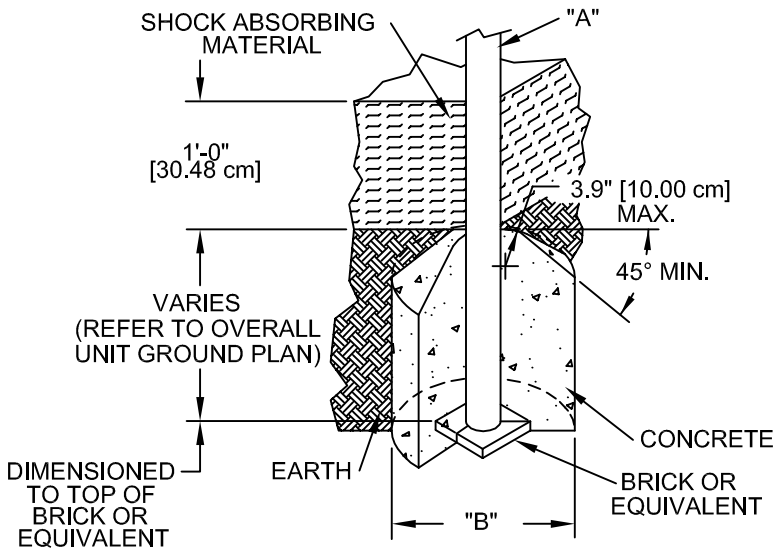
* NOTE:
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

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



030

031



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

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

032

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

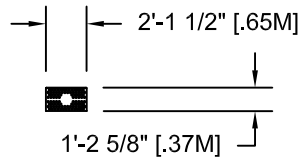
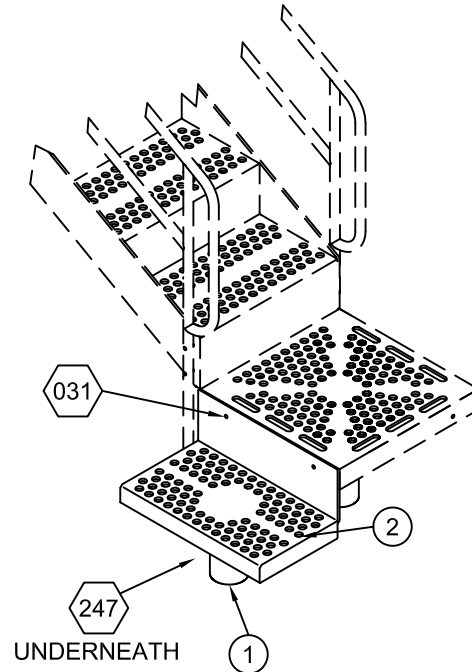
 = INSTALLATION
DETAIL

 = PARTS LIST
REFERENCE

80656 ATTACHES TO 80653, 80655, 90029, 90031 & 90032
80657 ATTACHES TO 80654, 90030 & 90033

**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

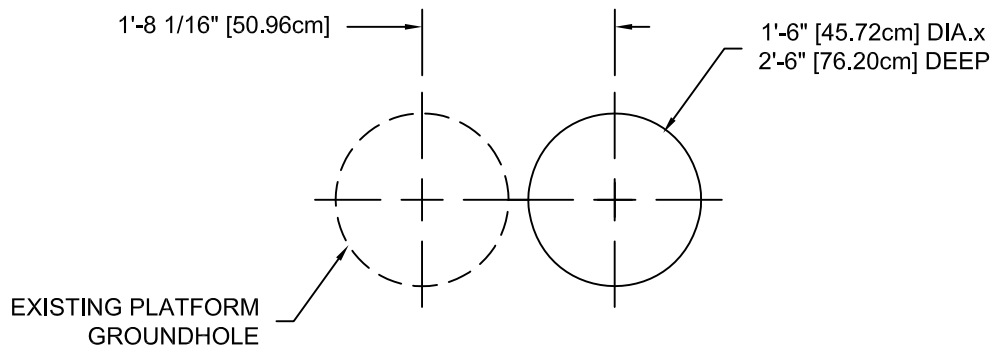
PARTS LIST

REF. NO.	DESCRIPTION	No. REQUIRED		PART NUMBER
		80656	80657	
1	Platform Support	1	0	160701
1	Platform Support	0	1	160704
2	Platform	1	1	160693
	<i>Hardware Complete</i>	1	1	166069
	3/8" x 3/4" P.B.H.C.S. w/Patch	5	5	812052*
	3/8" Lockwasher	5	5	817334*
	3/8" Flatwasher (1-1/4" O.D.)	2	2	817424*
	3/8" Tee -Nut (Spanner)	5	5	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: Loctite (supplied by others) should be used on all threaded hardware.



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

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

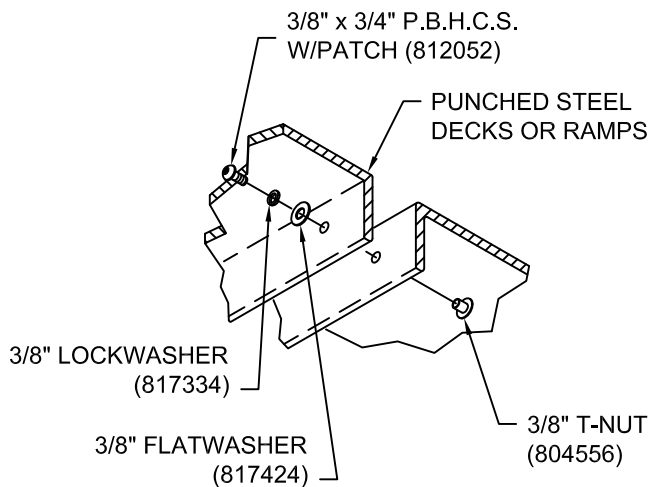
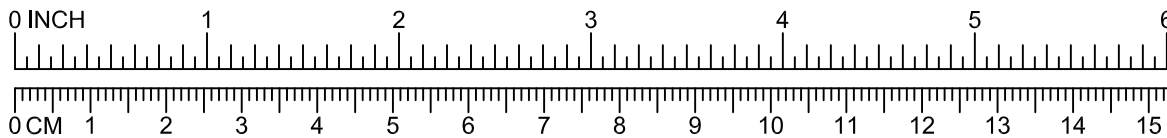
GROUND PLAN

DETAILS -for- 80656 & 80657

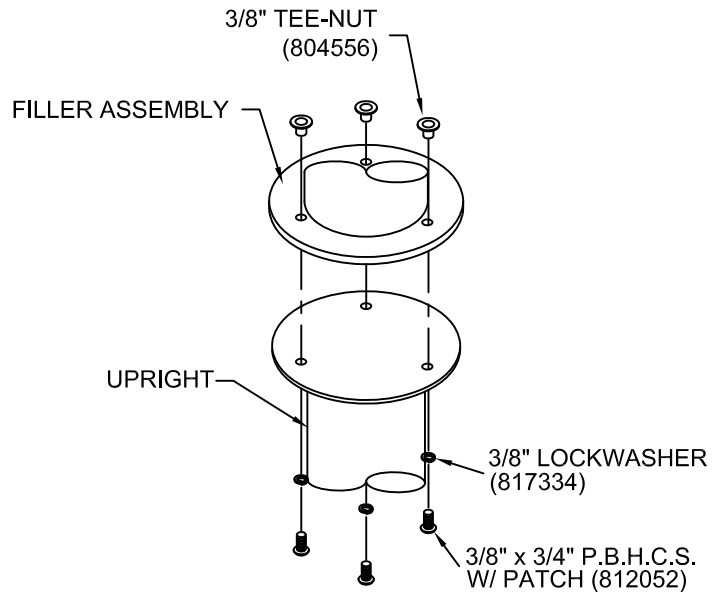
IMPORTANT

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.

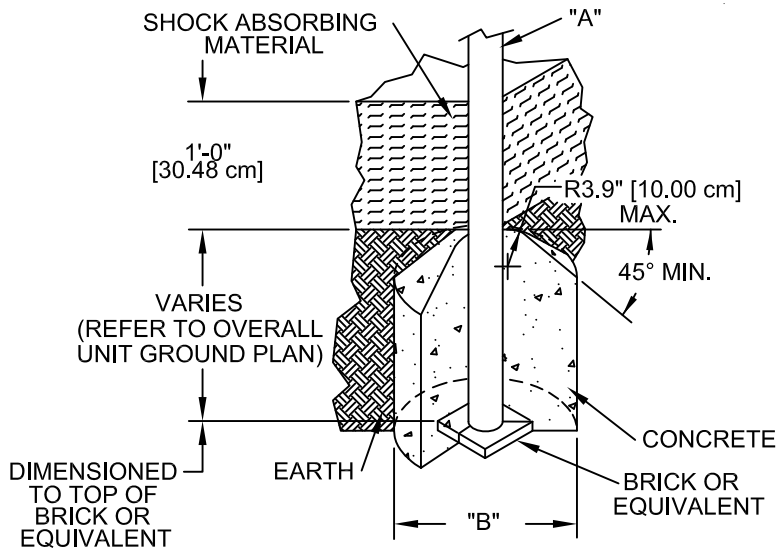
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



031



247



032

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

NOTES:

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

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

 = INSTALLATION
= DETAIL

 = PARTS LIST
REFERENCE

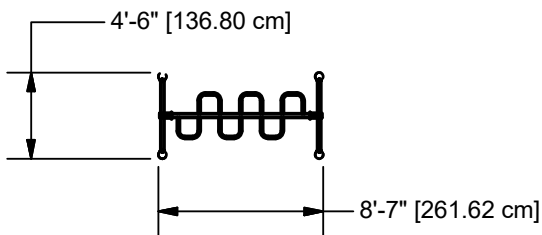
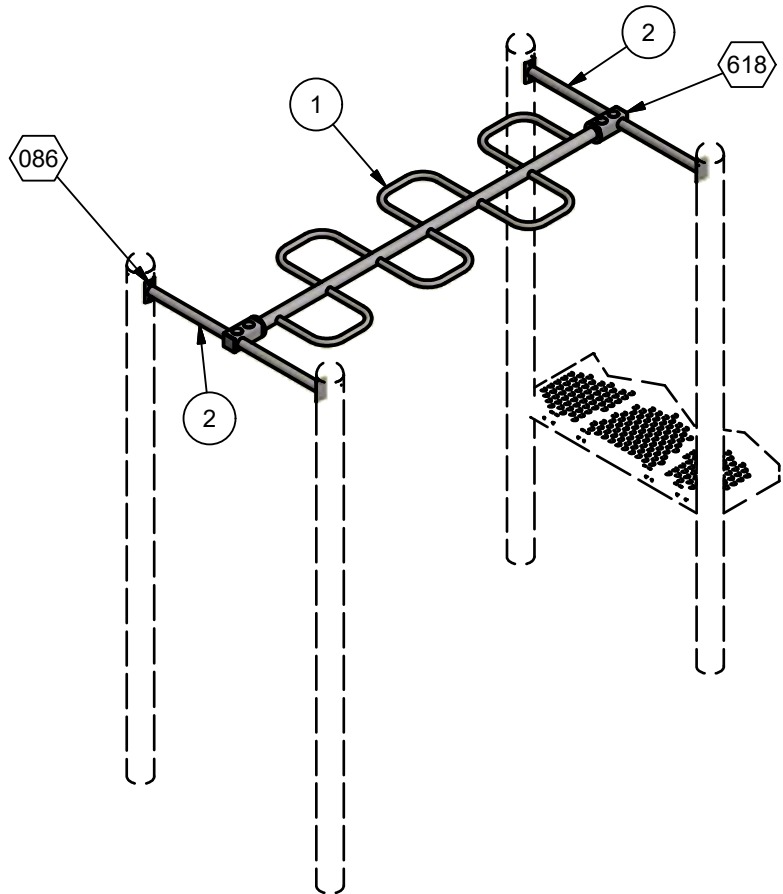
**INSTALLATION
INSTRUCTIONS**

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

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

NOTE: Before pouring concrete, tie or strap the (4) uprights together. Apply tension to the tie or straps so that the uprights are forced toward the center of the Swing 'N Sway.

2.) Apply the PowerBond to the PowerLock threads as shown in detail 068.



TOP VIEW

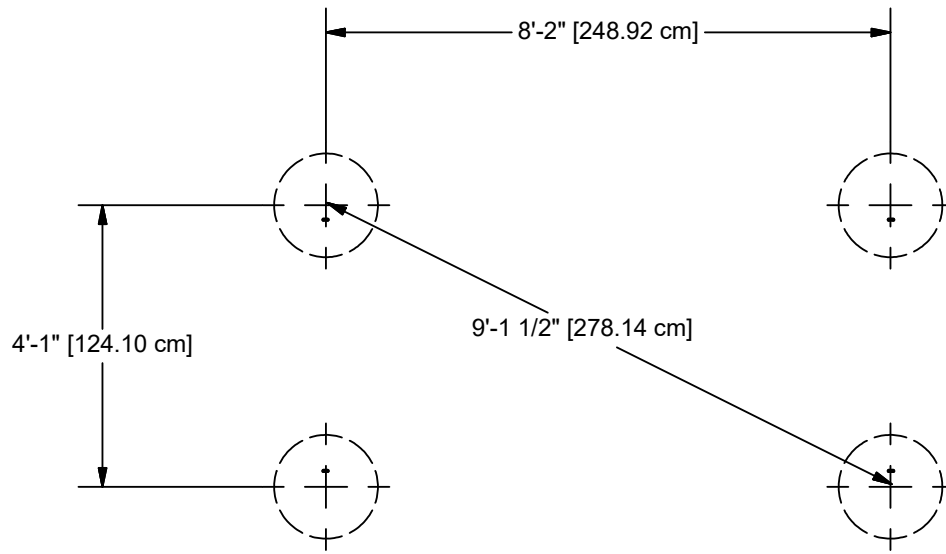
ASSEMBLY DRAWING

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL ASSEMBLY	1	200730
2	END BAR ASSEMBLY	2	200727
	*****HARDWARE COMPLETE*****	1	200733
	RUBBER ROD	8	302908
	3/8" LOCK WASHER	8	817334
	3/8" x 1" P.B.H.C.S. w/PATCH	8	812050
	3/8" FLAT WASHER	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: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



GROUND PLAN

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

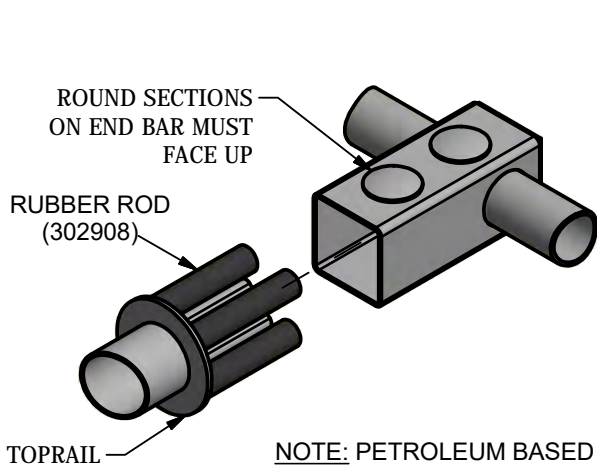
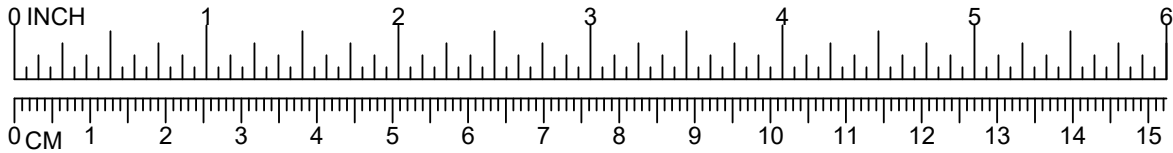
DETAILS -for- 81540

IMPORTANT

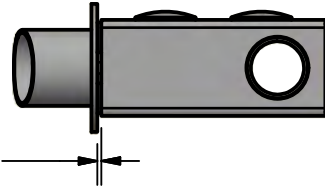
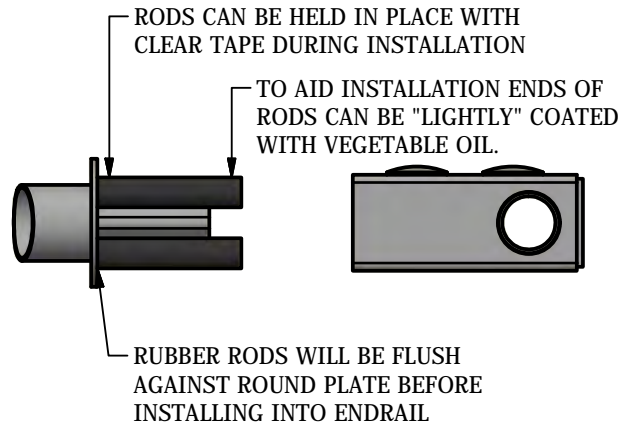
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.

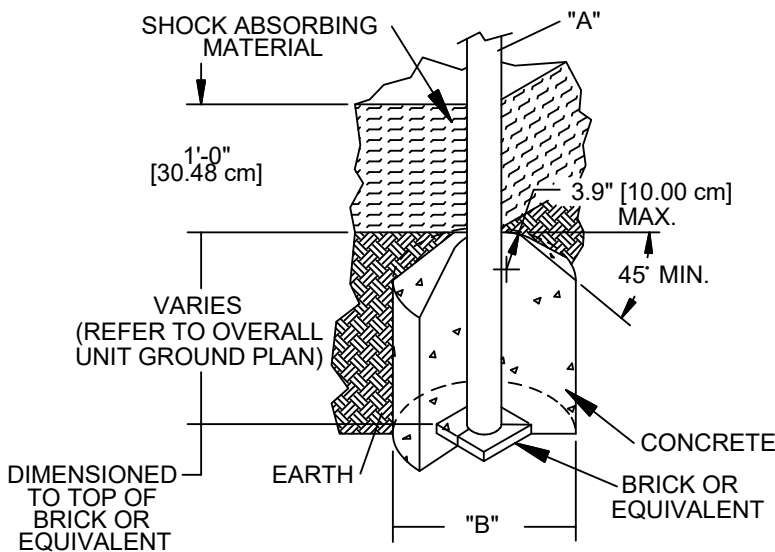


NOTE: PETROLEUM BASED PRODUCTS (SUCH AS WD40) SHOULD NOT BE USED ON RUBBER RODS.



618

APPROXIMATELY 0'- 1/8" [.32 cm] GAP AFTER INSTALLATION



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

NOTES:

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

032

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

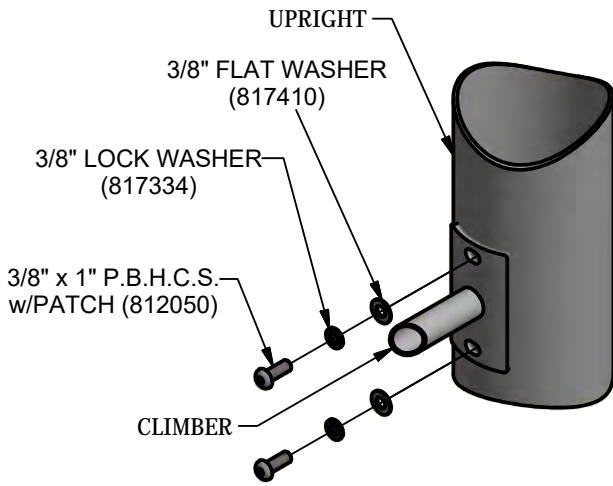
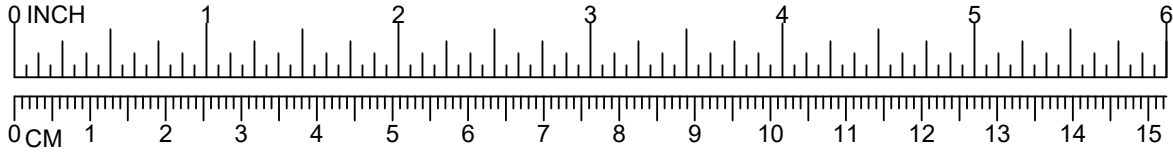
DETAILS -for- 81540

IMPORTANT



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

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

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

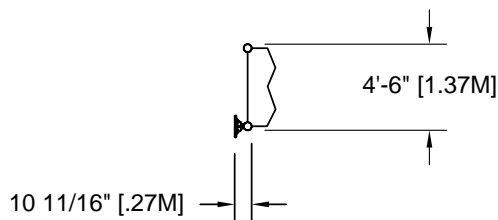


086

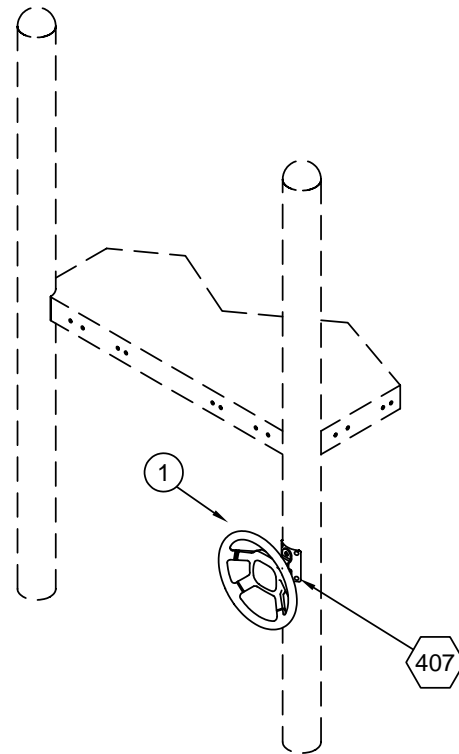
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

**INSTALLATION
INSTRUCTIONS**

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



TOP VIEW



ASSEMBLY DRAWING

PARTS LIST

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Steering Wheel Ass'y	1	169739
	Hardware Complete	1	169742
2	3/8" x 1 1/4" P.B.H.C.S. w/Patch	4	812051*
3	3/8" Lockwasher	4	817334*
4	3/8" Flatwasher	4	817410*

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

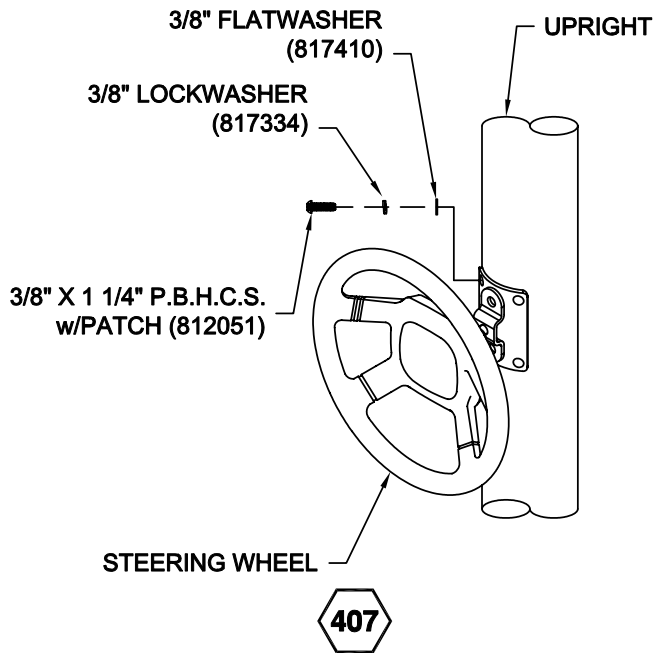
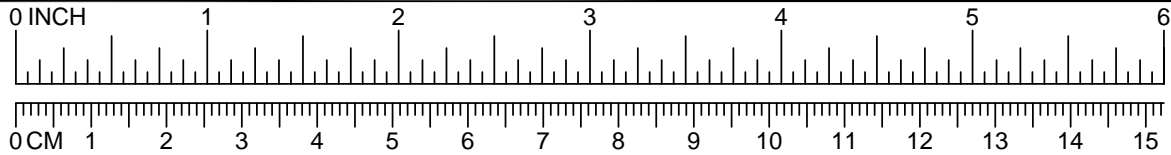
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.

DETAILS -for- 81691

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.

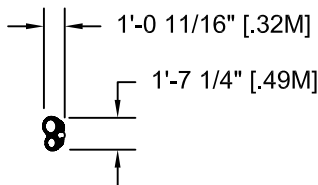


 = INSTALLATION
= DETAIL

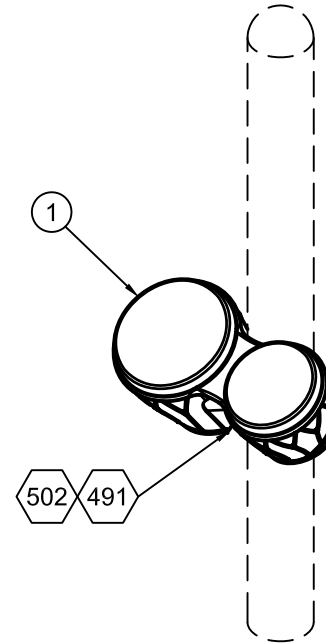
 = PARTS LIST
= REFERENCE

**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.



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.

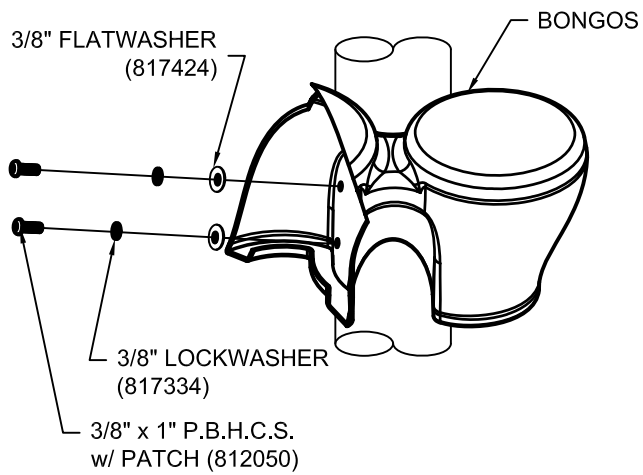
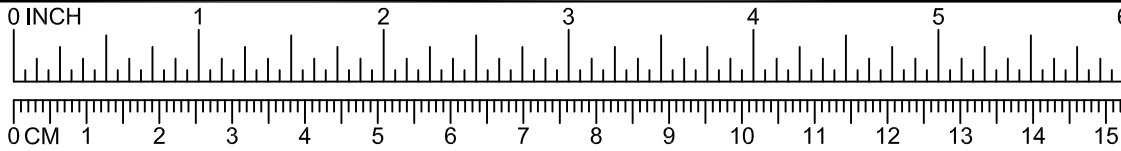
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 81699

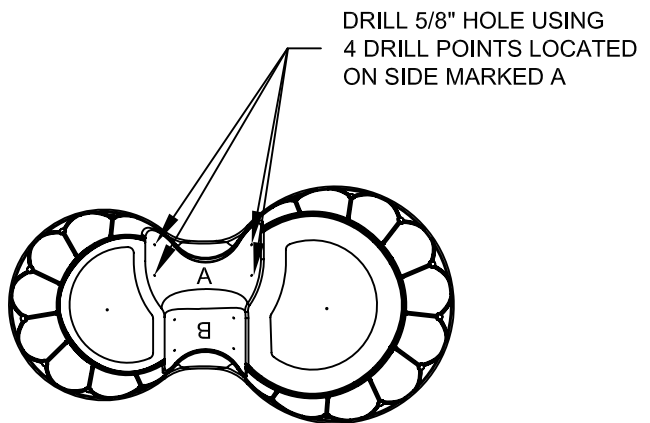
IMPORTANT

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



A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 01/30/13

TRANSFER PLATFORM WITH GUARDRAIL

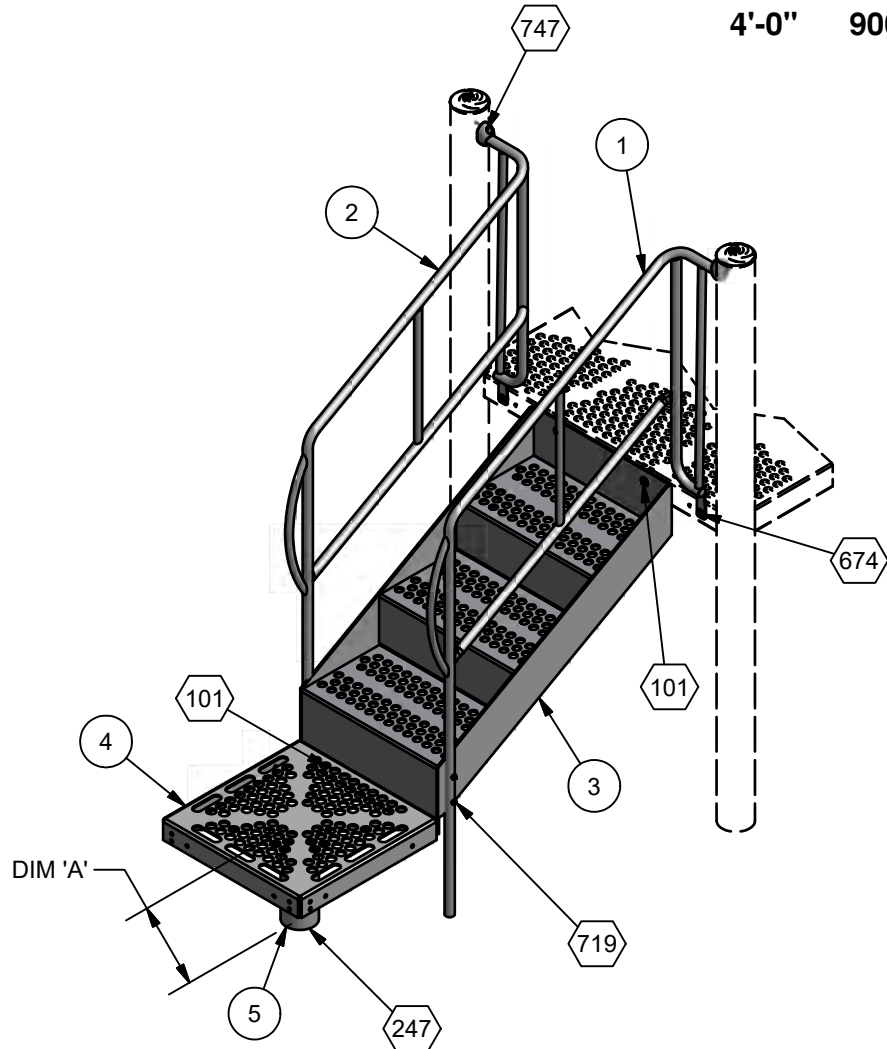
- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

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



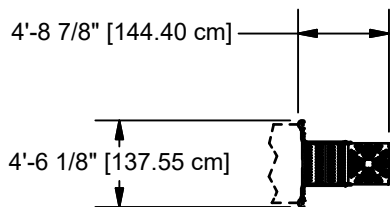
INSTALLATION INSTRUCTIONS

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

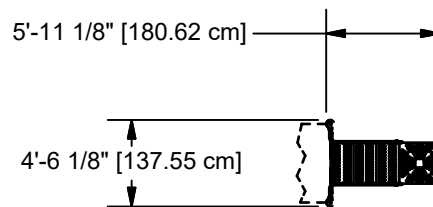


**ASSEMBLY DRAWING
90033 SHOWN**

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

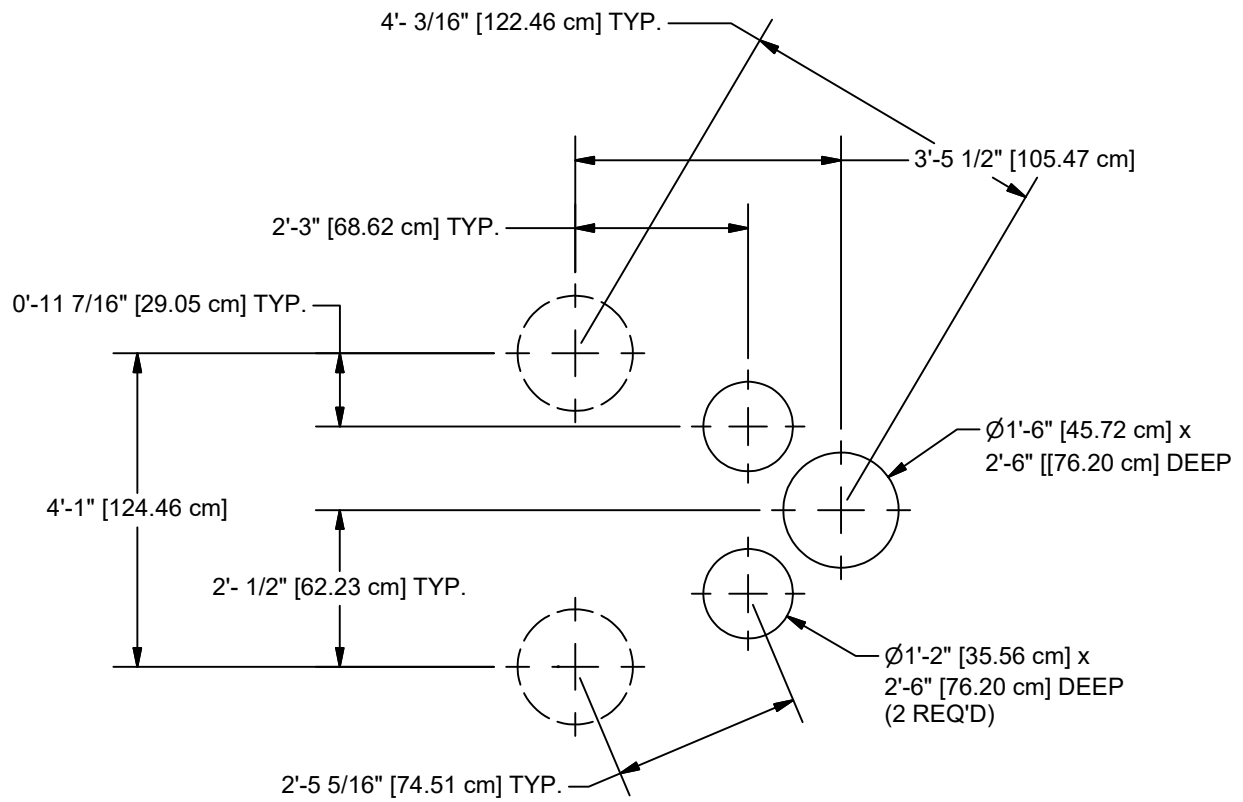


90032



90033

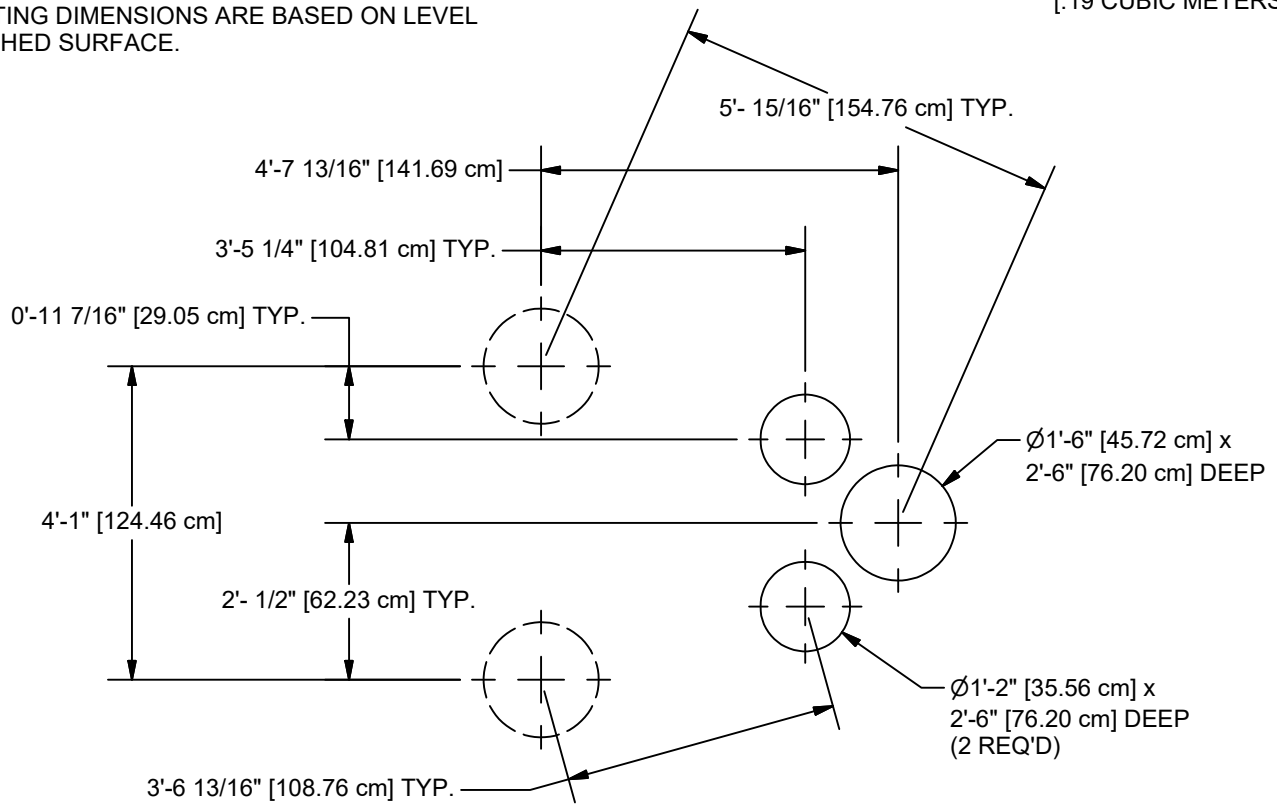
TOP VIEWS



90032

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
 .25 CUBIC YARDS
 [.19 CUBIC METERS]



90033

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

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

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

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

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

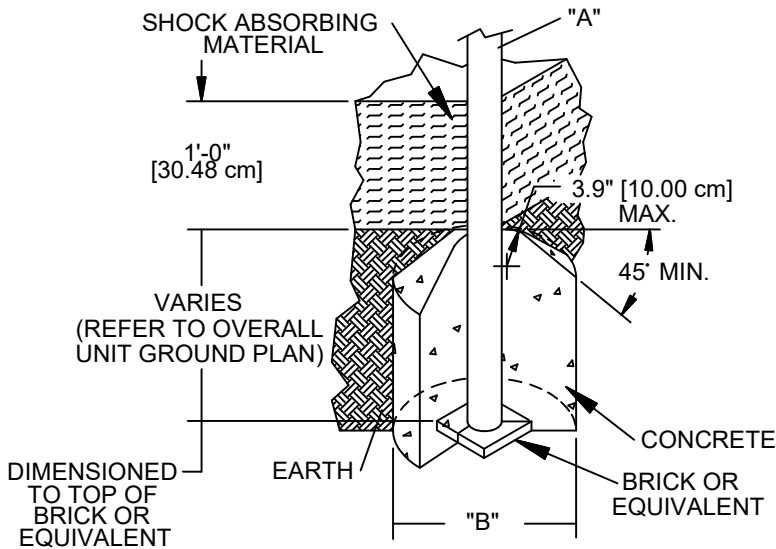
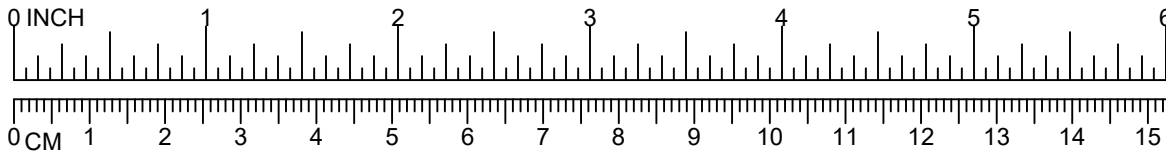
DETAILS -for- 90032 & 90033

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.



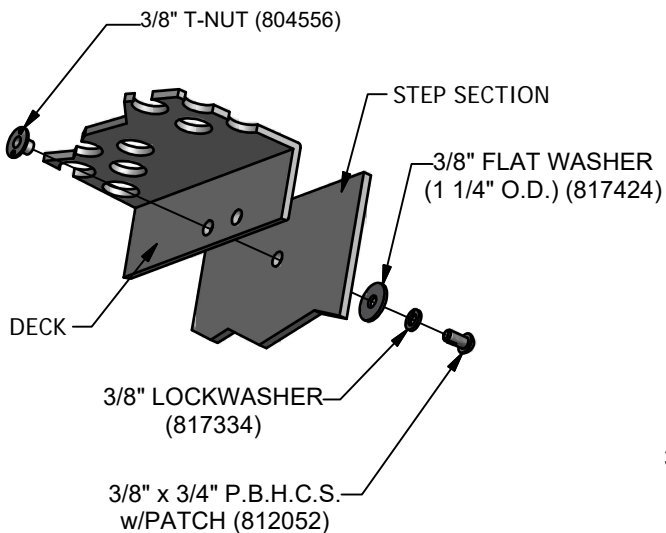
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

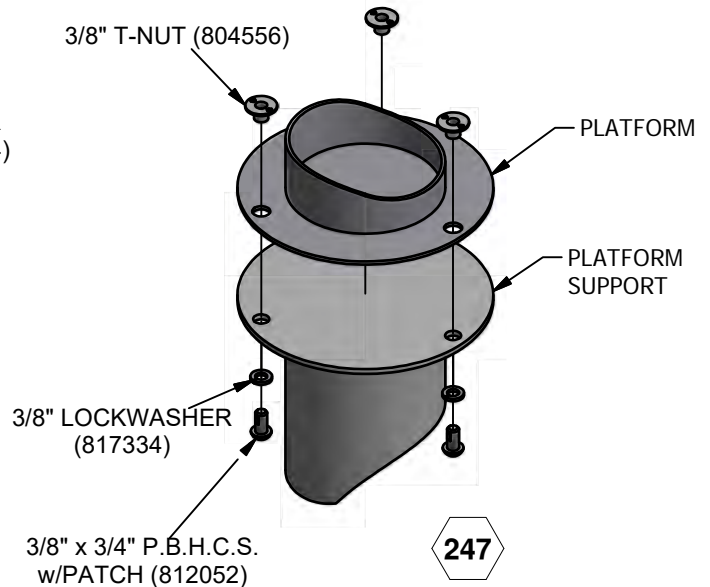
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



101



247

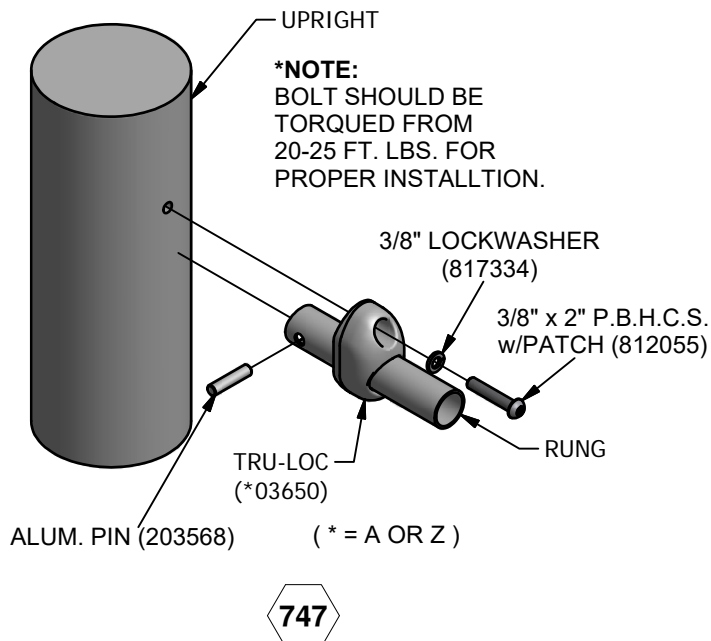
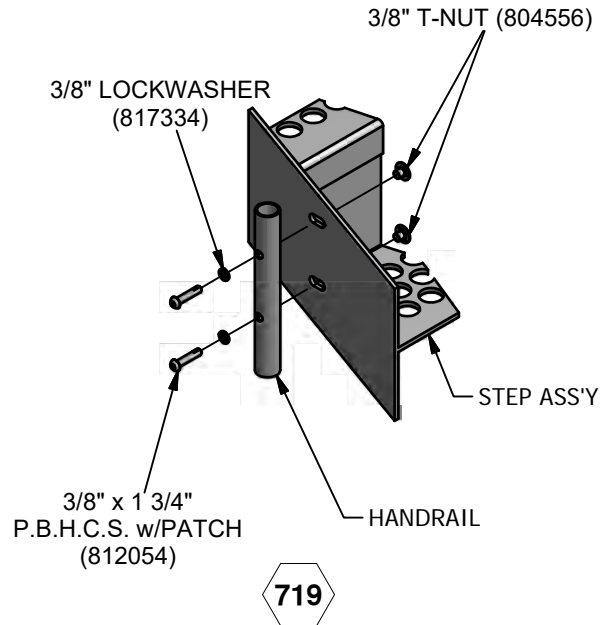
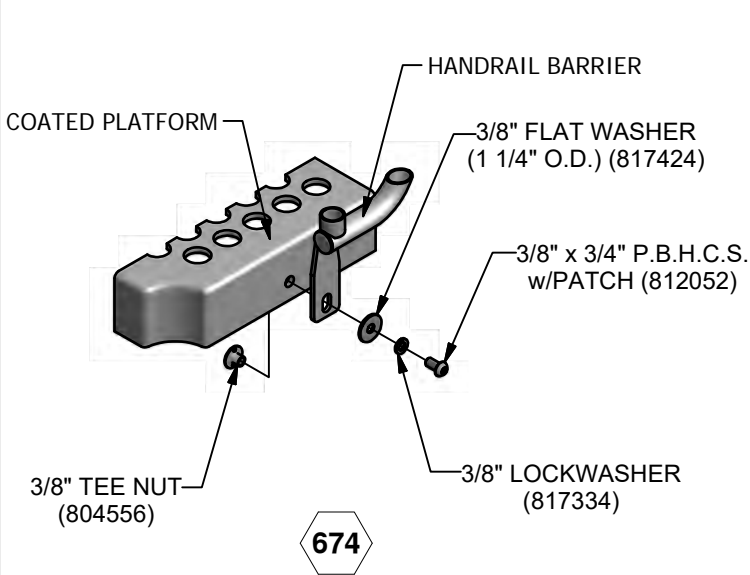
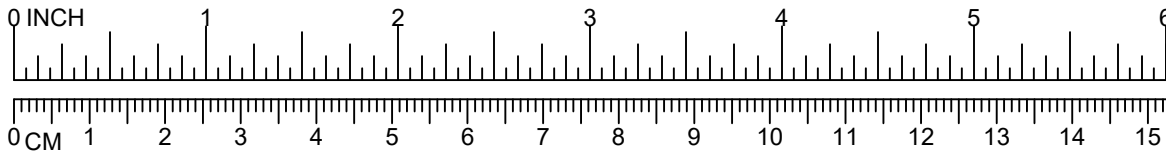
DETAILS -for- 90032 & 90033

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.





A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 02/21/12

WAVY TREE CLIMBER

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER

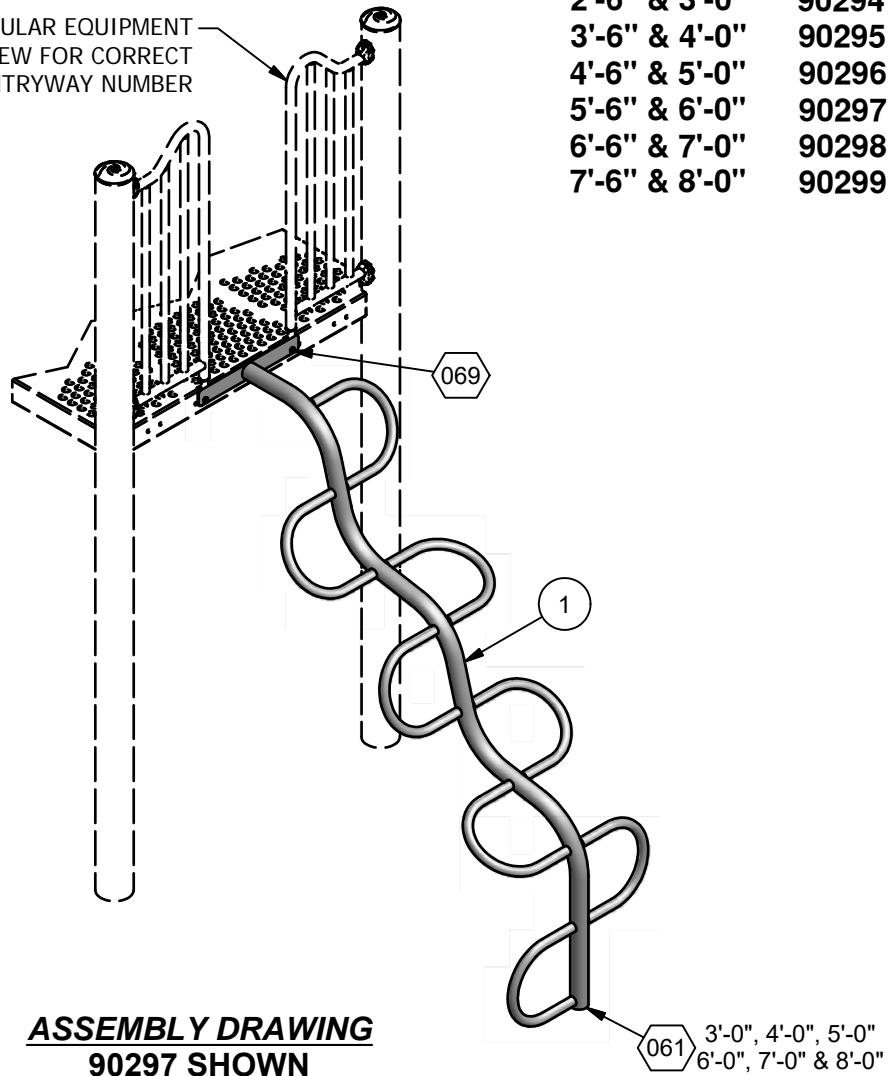
2'-6" & 3'-0"	90294
3'-6" & 4'-0"	90295
4'-6" & 5'-0"	90296
5'-6" & 6'-0"	90297
6'-6" & 7'-0"	90298
7'-6" & 8'-0"	90299



90294



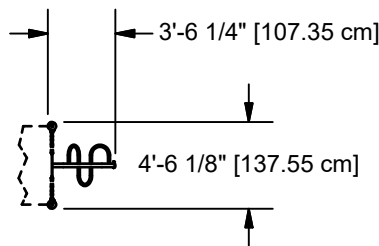
90295
90296
90297
90298
90299



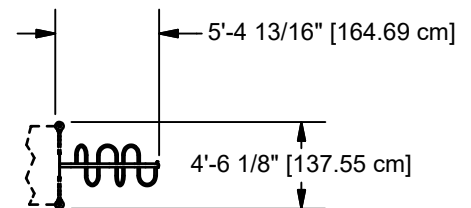
**ASSEMBLY DRAWING
90297 SHOWN**

INSTALLATION INSTRUCTIONS

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

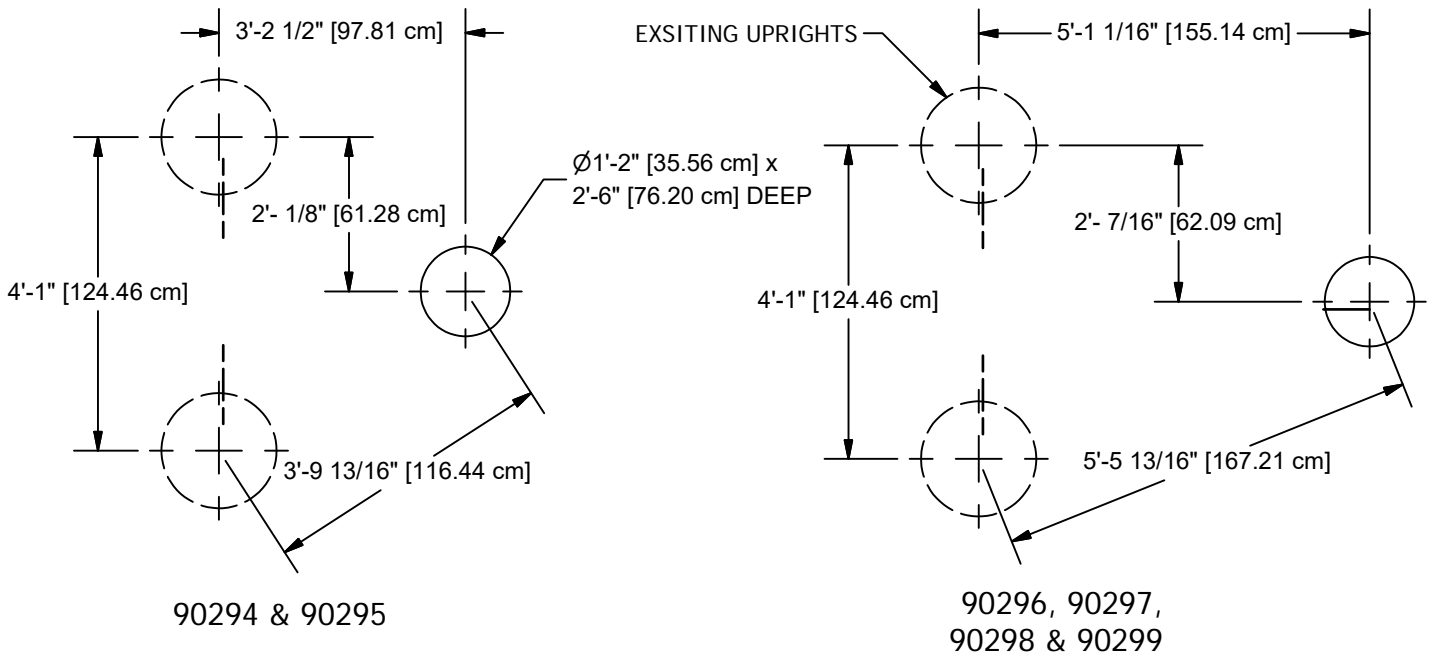


90294 & 90295



**90296, 90297,
90298 & 90299**

TOP VIEWS



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

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

GROUND PLANS

Parts List								
REF. NO.	DESCRIPTION	90294	90295	90296	90297	90298	90299	PART NUMBER
1	WAVY TREE CLIMBER (2'-6" & 3'-0")	1	0	0	0	0	0	157563
1	WAVY TREE CLIMBER (3'-6" & 4'-0")	0	1	0	0	0	0	157566
1	WAVY TREE CLIMBER (4'-6" & 5'-0")	0	0	1	0	0	0	157569
1	WAVY TREE CLIMBER (5'-6" & 6'-0")	0	0	0	1	0	0	202987
1	WAVY TREE CLIMBER (6'-6" & 7'-0")	0	0	0	0	1	0	203147
1	WAVY TREE CLIMBER (7'-6" & 8'-0")	0	0	0	0	0	1	203036
	HARDWARE COMPLETE	1	1	1	1	1	1	203649
	6" EXTENSION	1	1	1	1	1	1	151080*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" x 3 1/2" HEX HEAD BOLT	1	1	1	1	1	1	801013*
	3/8" LOCKWASHER	3	3	3	3	3	3	817334*
	3/8" HEX NUT	1	1	1	1	1	1	804053*
	3/8" T-NUT	2	2	2	2	2	2	804556*

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

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

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

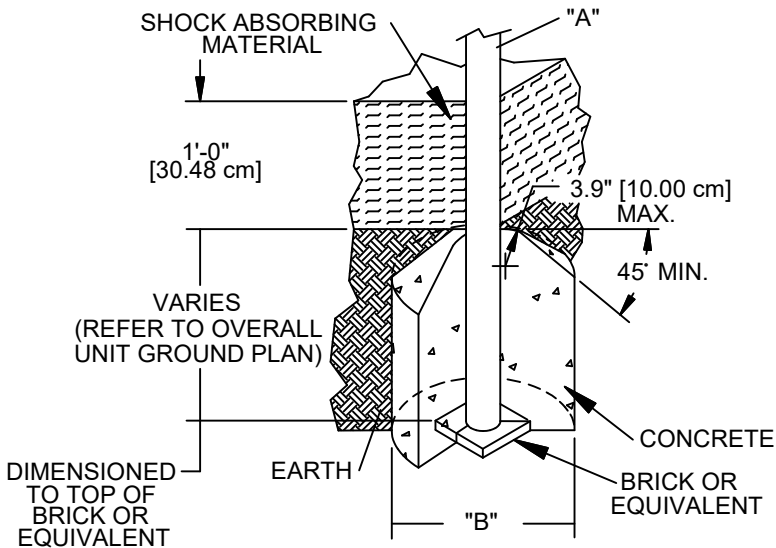
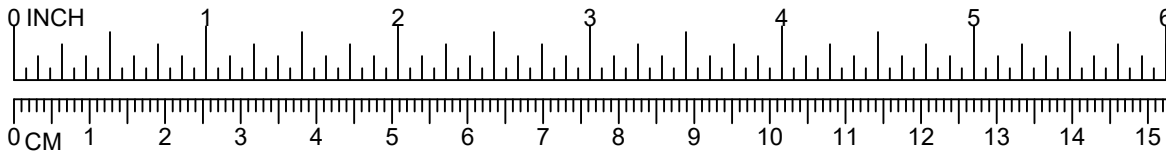
DETAILS -for- 90294, 90295, 90296, 90297, 90298 & 90299

IMPORTANT

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

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

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



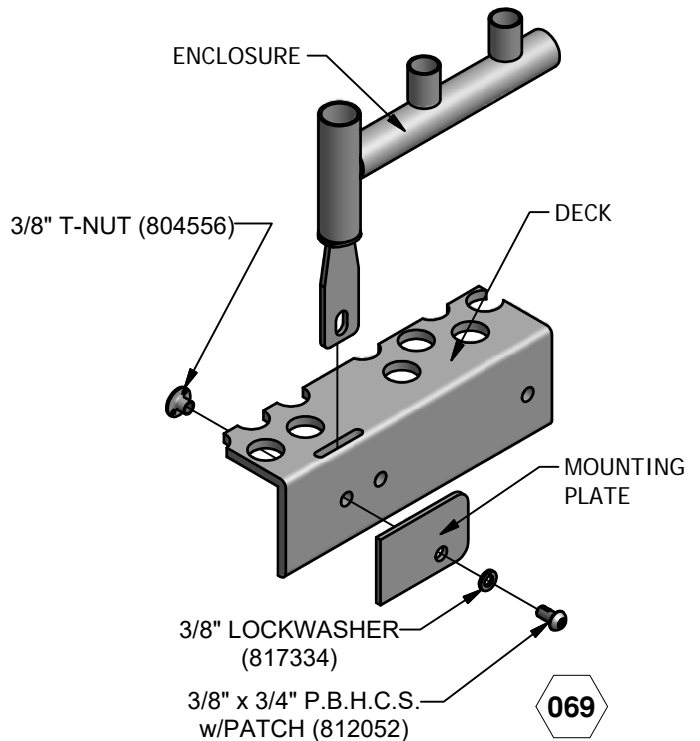
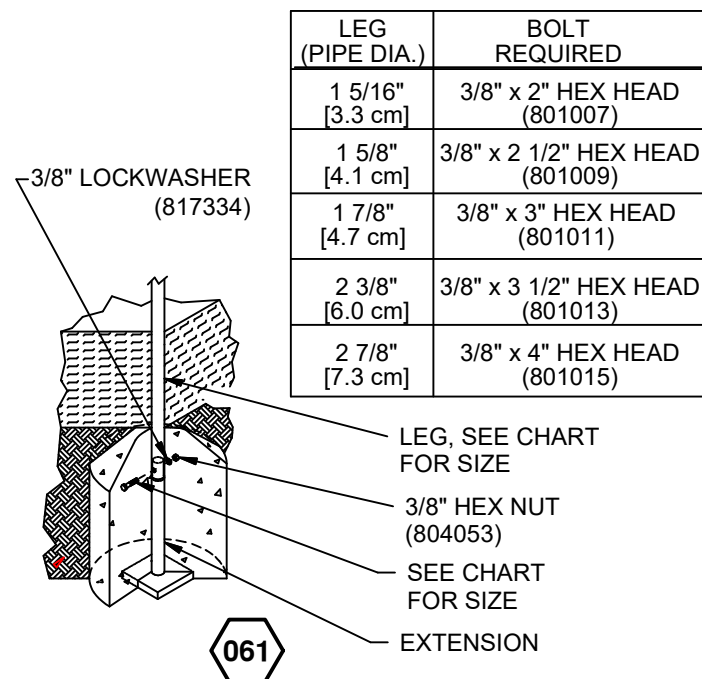
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

NOTES:

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

032

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



PowerScape®



GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 3/14/18

90348 F5 SPIRAL SLIDE

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



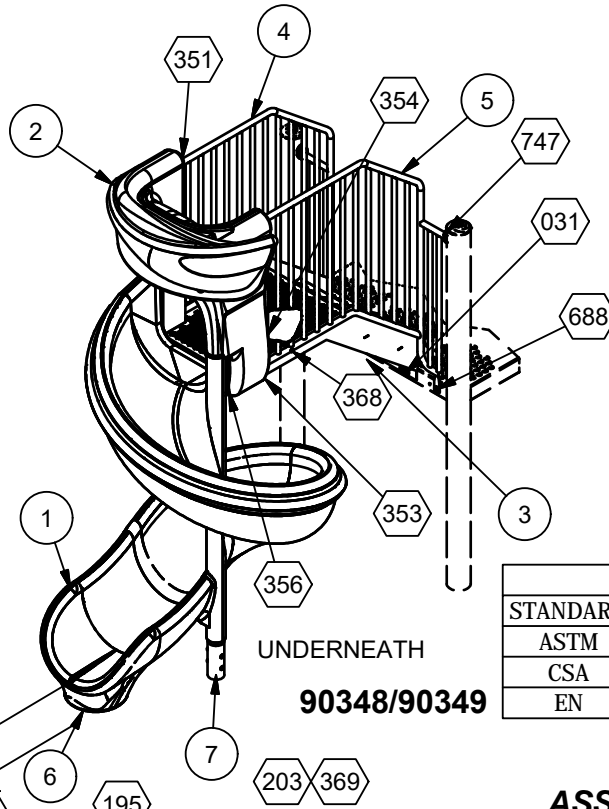
90348
90349
90350



90351
90352

SEE EXIT HEIGHT CHART

4'-0"	90348
4'-6"	90349
5'-0"	90350
5'-6"	90351
6'-0"	90352



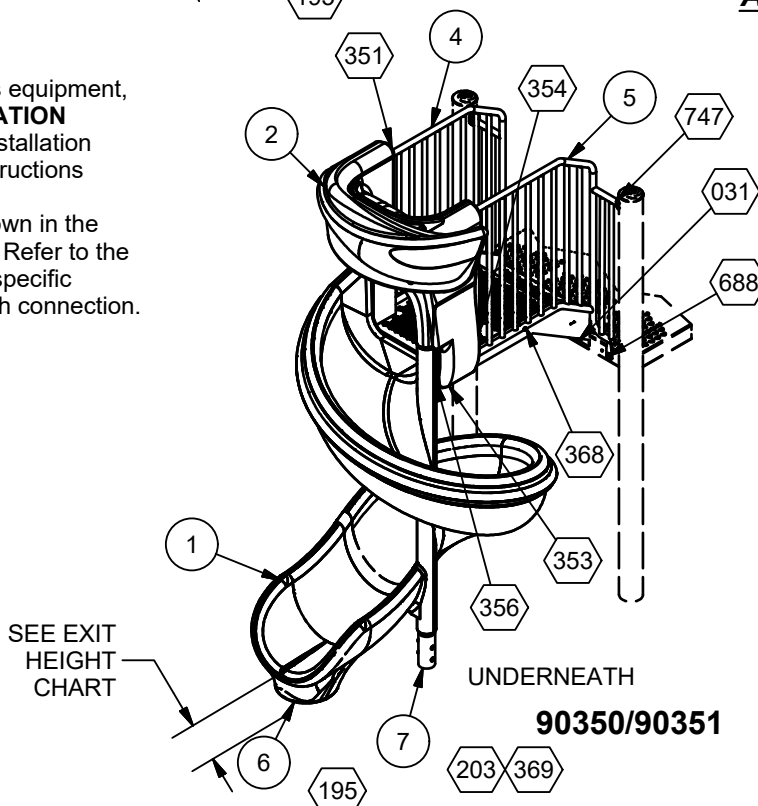
90348/90349

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

ASSEMBLY DRAWINGS

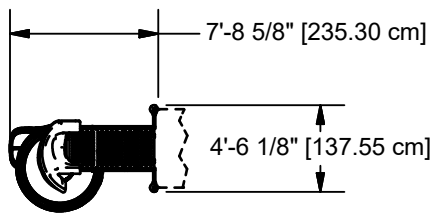
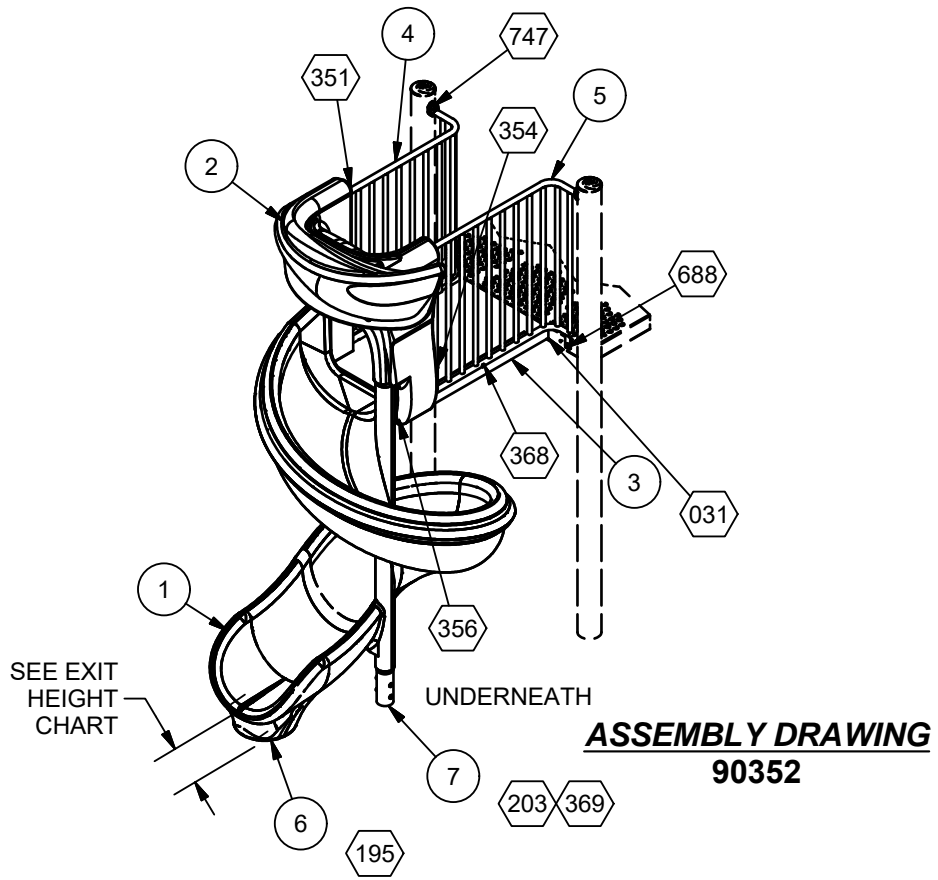
INSTALLATION INSTRUCTIONS

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

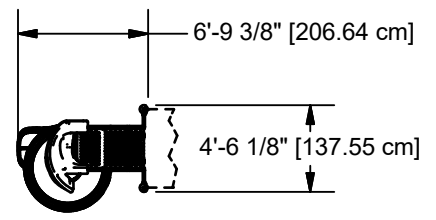


90350/90351

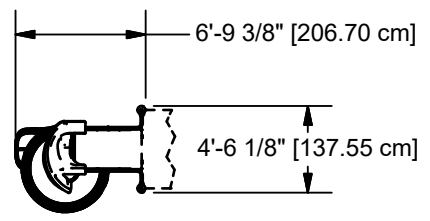
SEE EXIT HEIGHT CHART



90348/90349

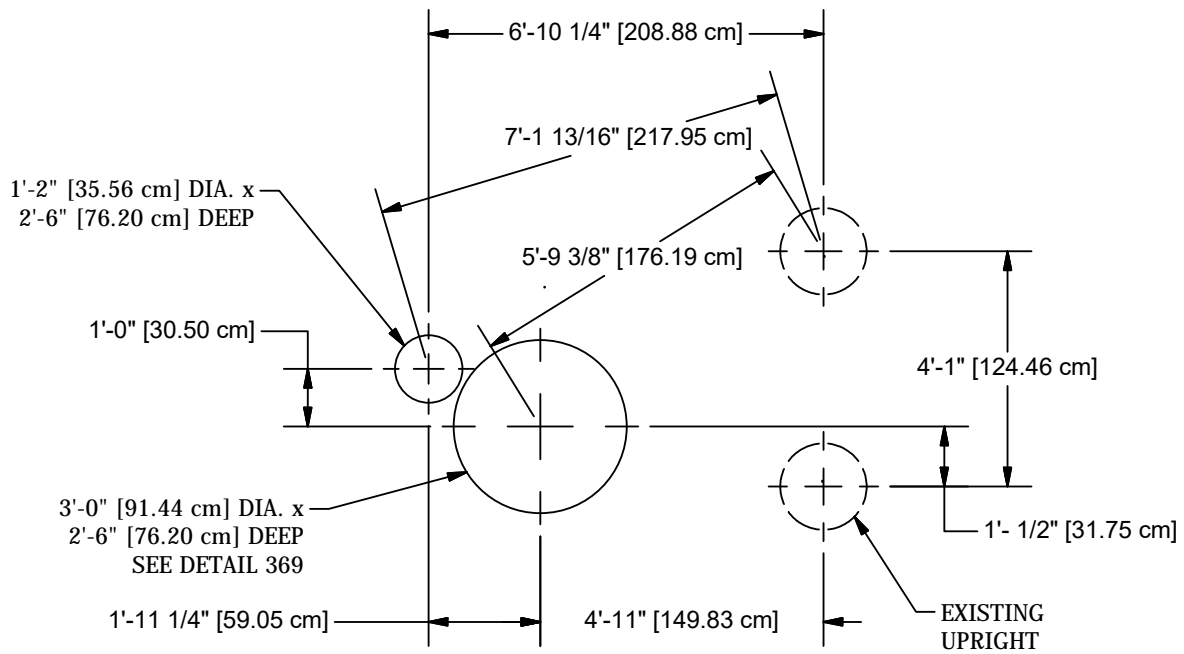


90350/90351



90352

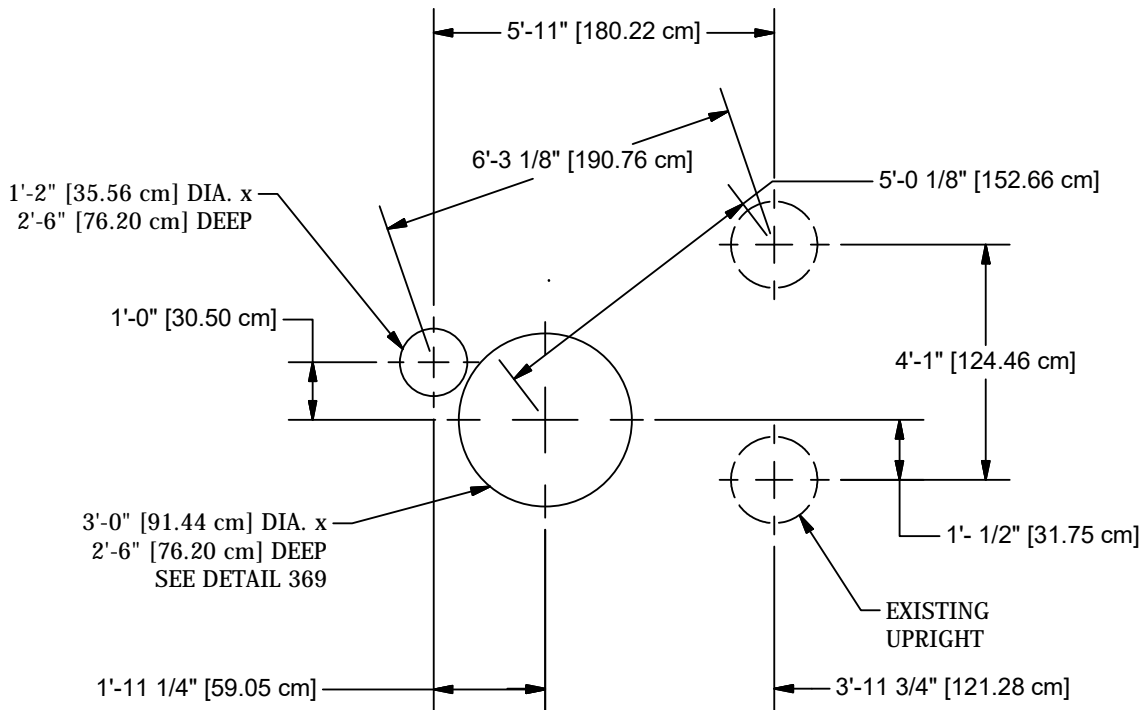
TOP VIEWS



GROUND PLAN
90348/90349

CONCRETE REQUIRED
.45 CUBIC YARDS
[.35 CUBIC METERS]

NOTES:
*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.
*SUGGESTED MINIMUM CONCRETE
RATING: 3000 PSI.



GROUND PLAN
90350/90351
90352

Parts List							
REF.	DESCRIPTION	90348	90349	90350	90351	90352	PART NUMBER
1	SPIRAL SLIDE	1	1	1	1	1	168262
2	F5 SPIRAL SLIDE HOOD	1	1	1	1	1	168463
3	COATED STEPPED PLATFORM	1	1	0	0	0	202137
3	COATED STEPPED PLATFORM	0	0	1	1	0	176107
3	COATED STEPPED PLATFORM	0	0	0	0	1	176103
4	RIGHT BARRIER RAIL WELD ASS'Y	1	1	0	0	0	204015
4	RIGHT BARRIER RAIL WELD ASS'Y	0	0	1	1	0	204025
4	RIGHT BARRIER RAIL WELD ASS'Y	0	0	0	0	1	204033
5	LEFT BARRIER RAIL WELD ASS'Y	1	1	0	0	0	204022
5	LEFT BARRIER RAIL WELD ASS'Y	0	0	1	1	0	204030
5	LEFT BARRIER RAIL WELD ASS'Y	0	0	0	0	1	204037
6	FOOTBUCK	1	0	1	0	1	200033
6	FOOTBUCK	0	1	0	1	0	168608
7	GROUND SOCKET	1	0	1	0	1	168601
7	GROUND SOCKET	0	1	0	1	0	168606
	TRU-LOC	2	2	2	2	2	A03650
	HARDWARE COMPLETE	1	1	1	1	0	204043
	HARDWARE COMPLETE	0	0	0	0	1	204044
	3/8" x 3/4" P.B.H.C.S. w/PATCH	10	10	10	10	8	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	2	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	4	4	4	4	812056*
	3/8" x 3 1/4" P.B.H.C.S. w/PATCH	1	1	1	1	1	812060*
	3/8" FLAT WASHER	4	4	4	4	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	11	11	11	11	9	817424*
	3/8" LOCK WASHER	23	23	23	23	21	817334*
	3/8" T-NUT	8	8	8	8	6	804556*
	1/2" x 3 1/2" HEX HEAD BOLT	2	2	2	2	2	801213*
	1/2" LOCKWASHER	2	2	2	2	2	817342*
	1/2" HEX NUT	2	2	2	2	2	804055*
	ALUM. PIN	2	2	2	2	2	203568*

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

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

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

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

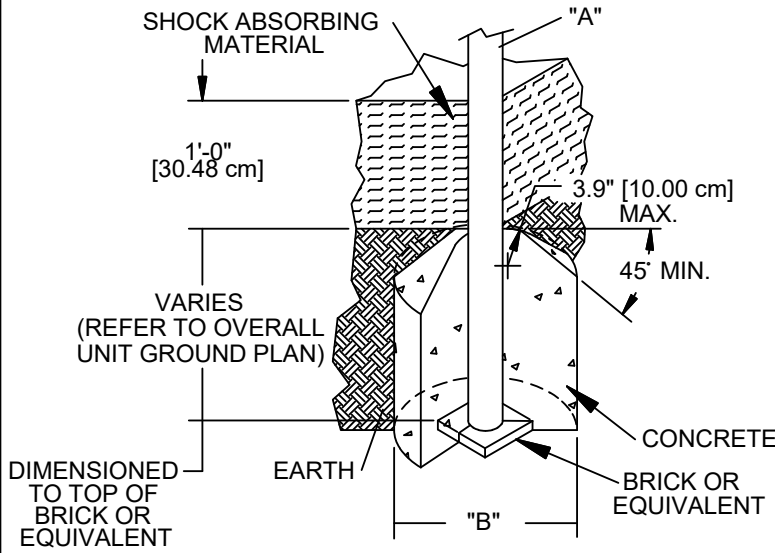
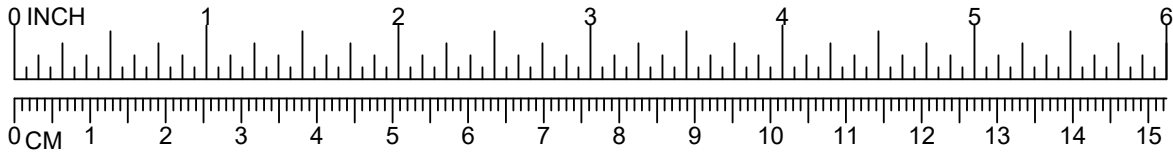
DETAILS -for- 90348, 90349, 90350, 90351, & 90352

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.



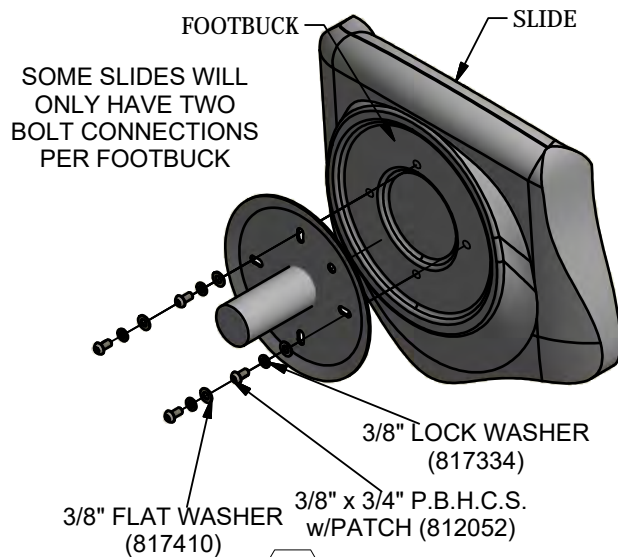
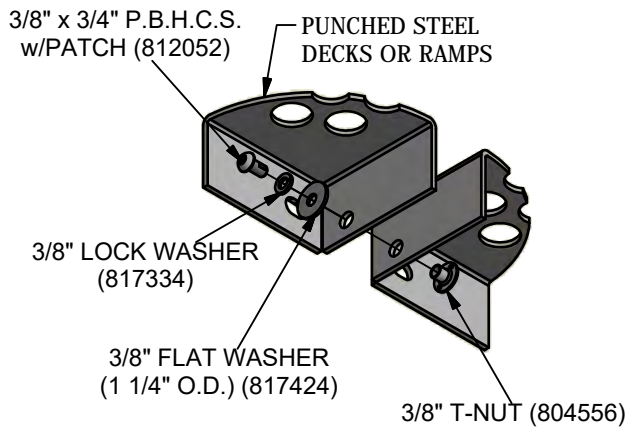
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



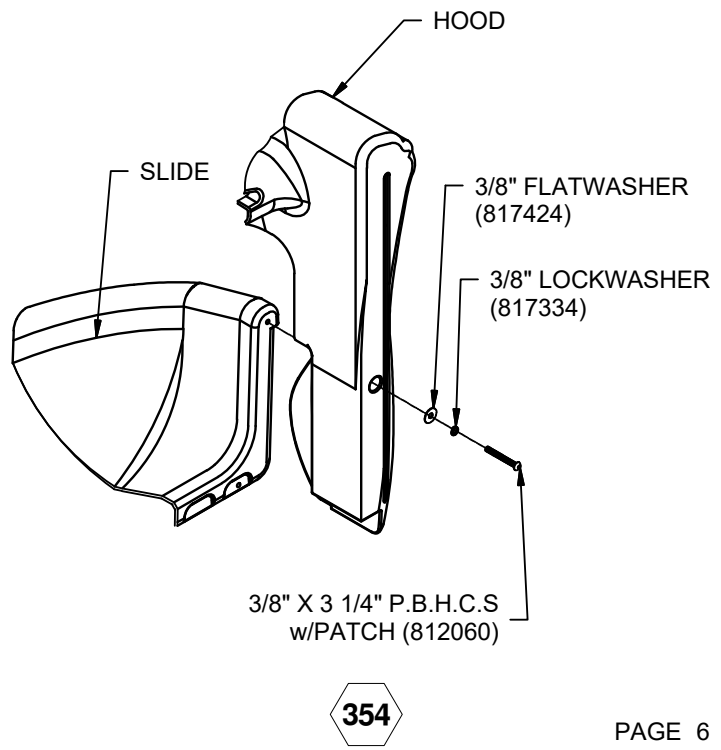
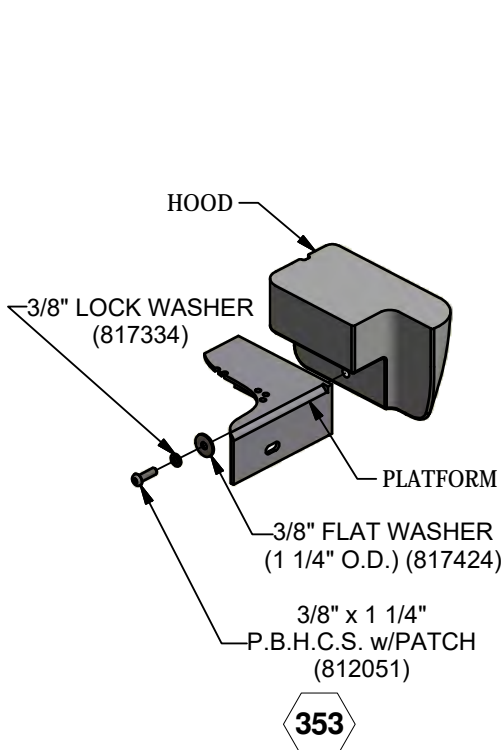
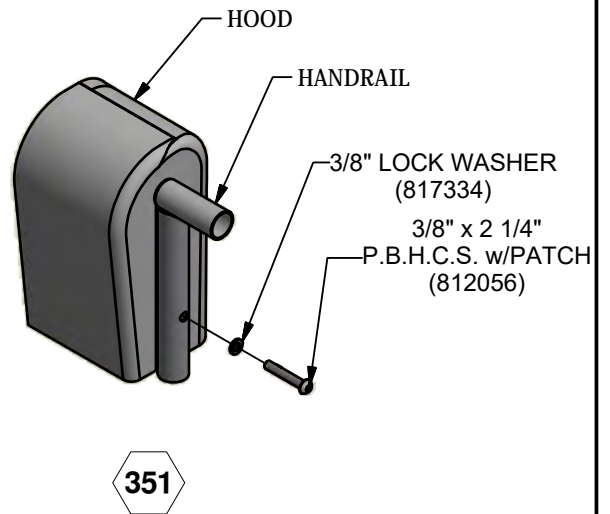
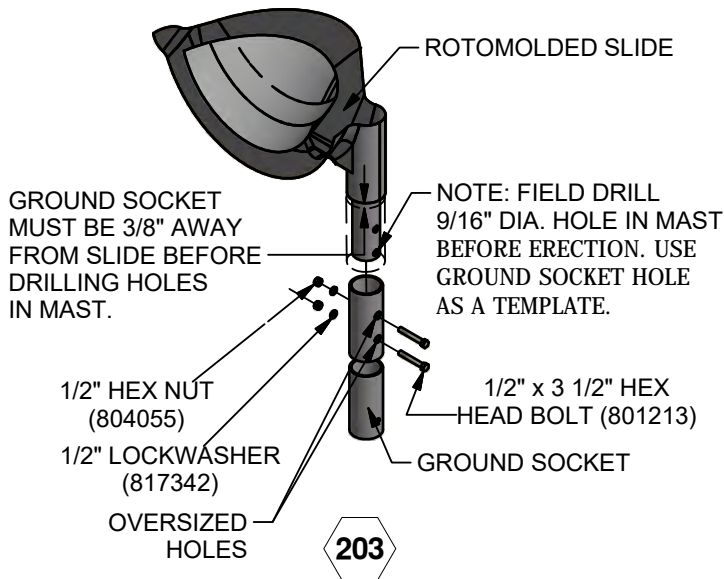
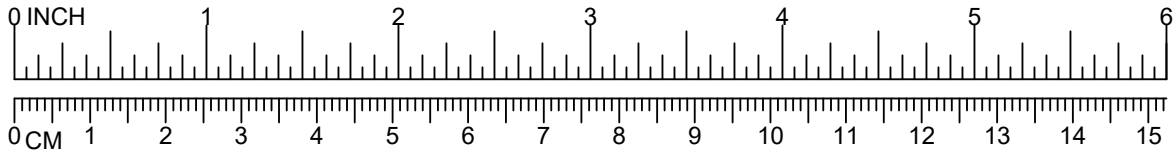
DETAILS -for- 90348, 90349, 90350, 90351, & 90352

IMPORTANT

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

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

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



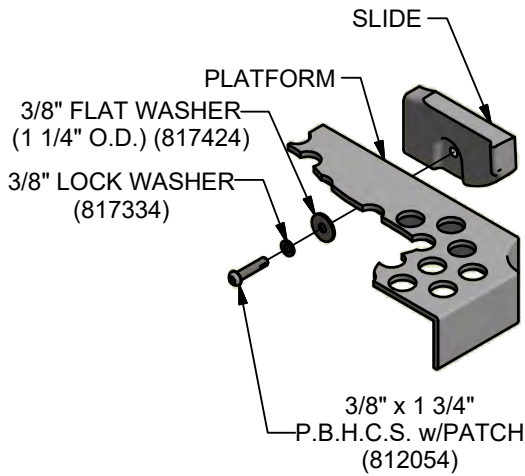
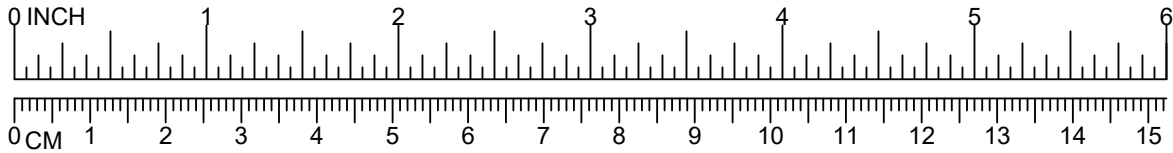
DETAILS -for- 90348, 90349, 90350, 90351, & 90352

IMPORTANT

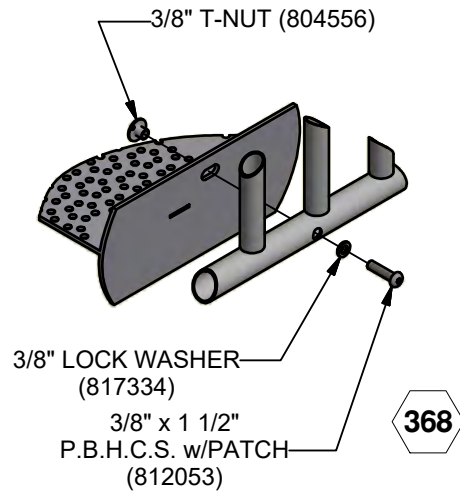
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

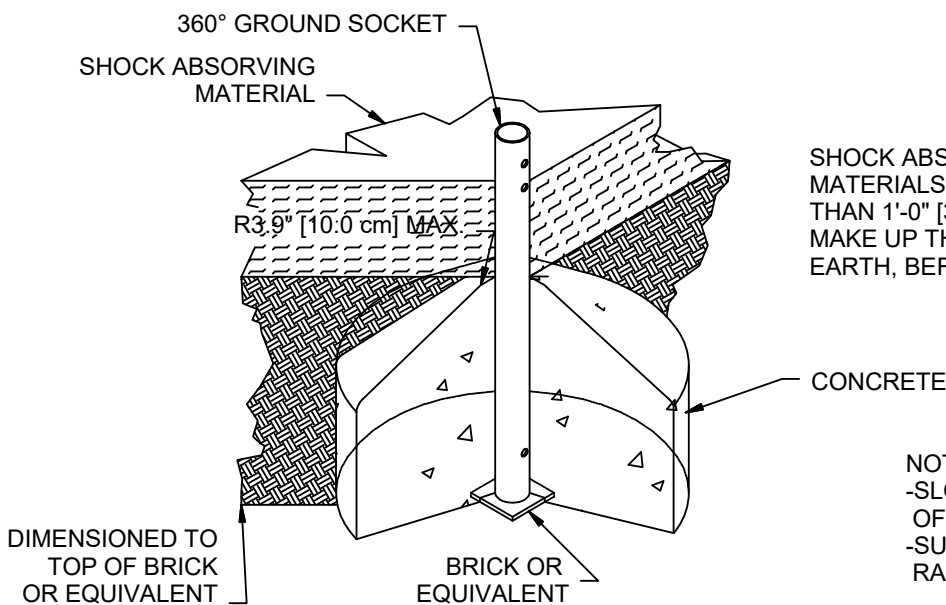
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



356



368



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

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

369

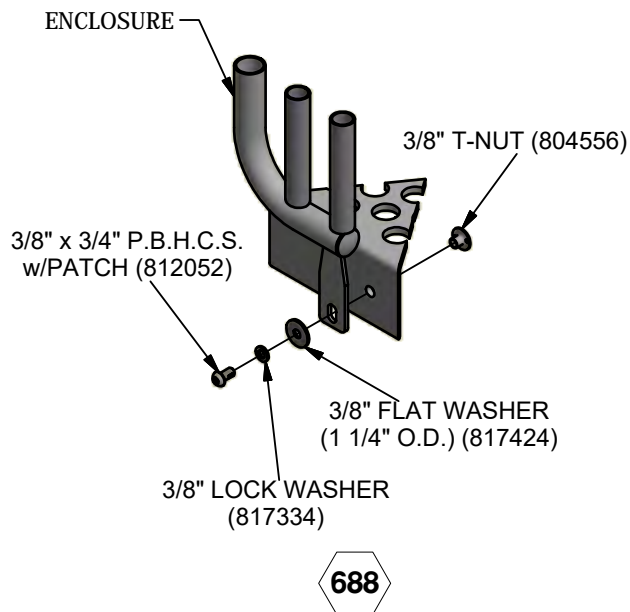
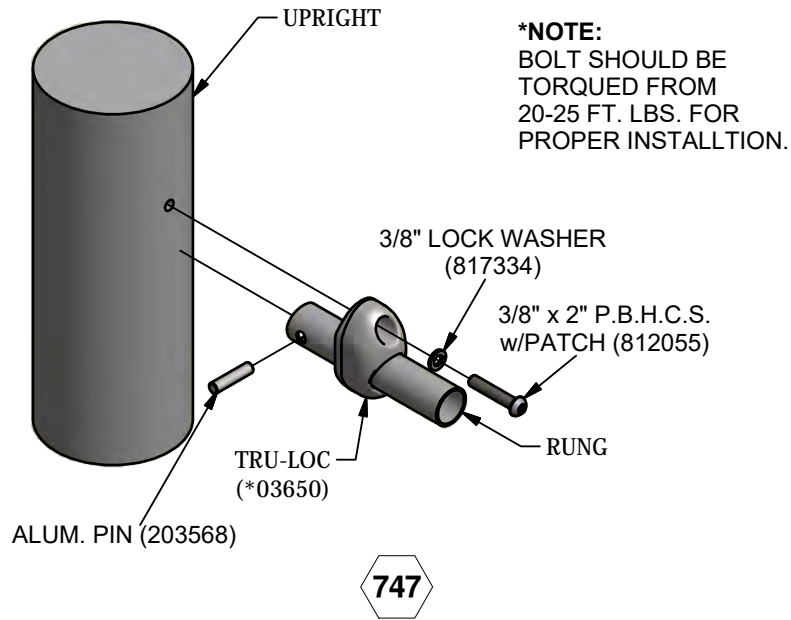
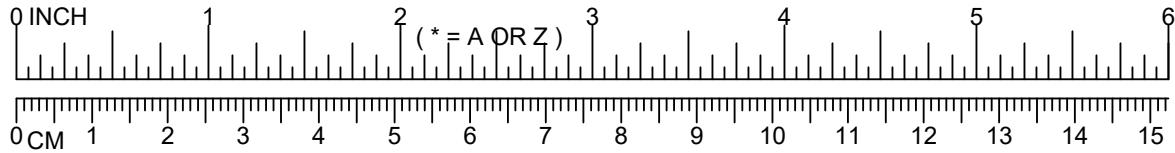
DETAILS -for- 90348, 90349, 90350, 90351, & 90352

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: 11/19/20

90354 COUNTER PANEL

⬡ = INSTALLATION
DETAIL

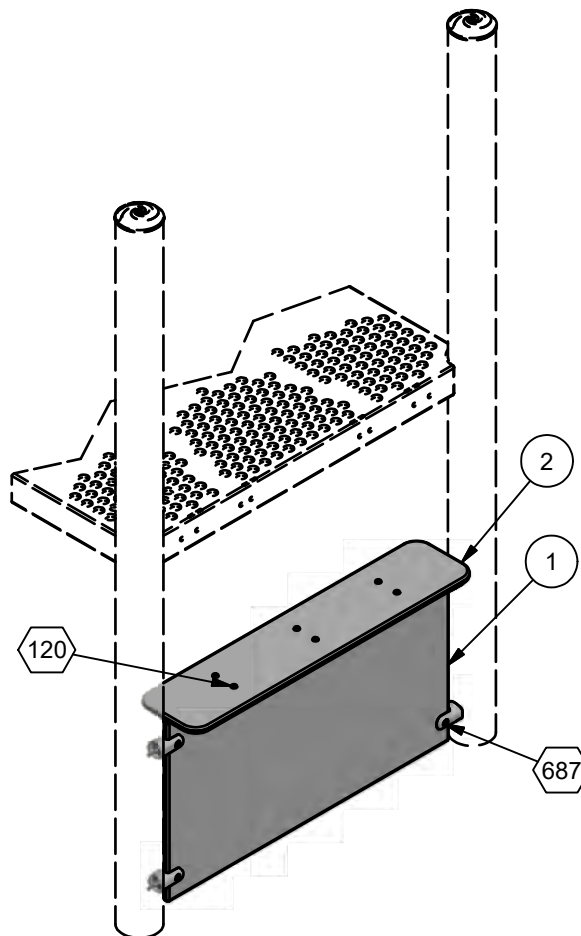
○ = PARTS LIST
REFERENCE



4'-0" TO 5'-0"
DECK HEIGHTS



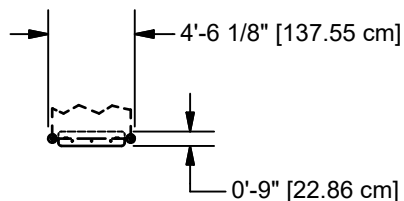
4'-0" TO 8'-0"
DECK HEIGHTS



ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

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



TOP VIEW

Parts List			
REF.	DESCRIPTION	90354	PART NUMBER
1	ENCLOSURE	1	203905
2	SEAT	1	203906
	TRU-LOC PANEL ATTACHMENT	4	G03861
	L-BRACKET	6	200205
	HARDWARE COMPLETE	1	203907
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	6	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	3	812053*
	3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
	3/8" LOCK WASHER	17	817334*
	3/8" HEX NUT	9	804053*
	3/8" T-NUT	4	804556*

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

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

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

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

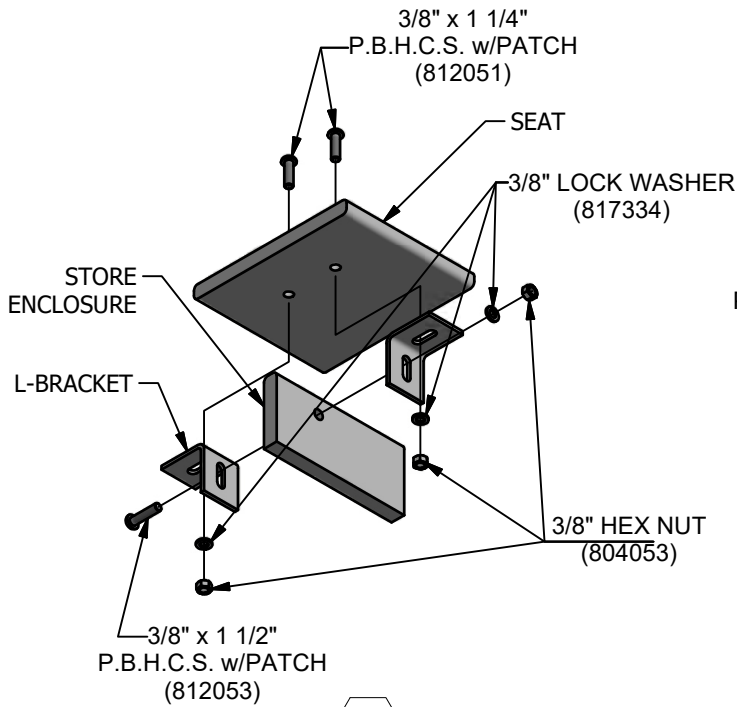
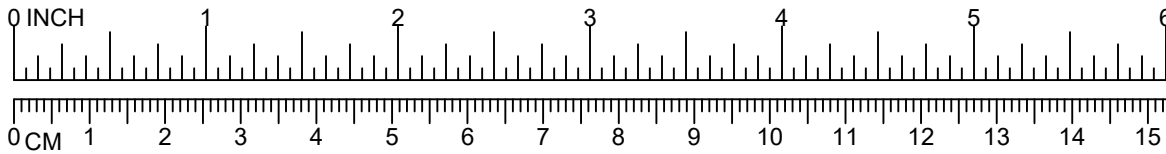
DETAILS -for- 90354

IMPORTANT

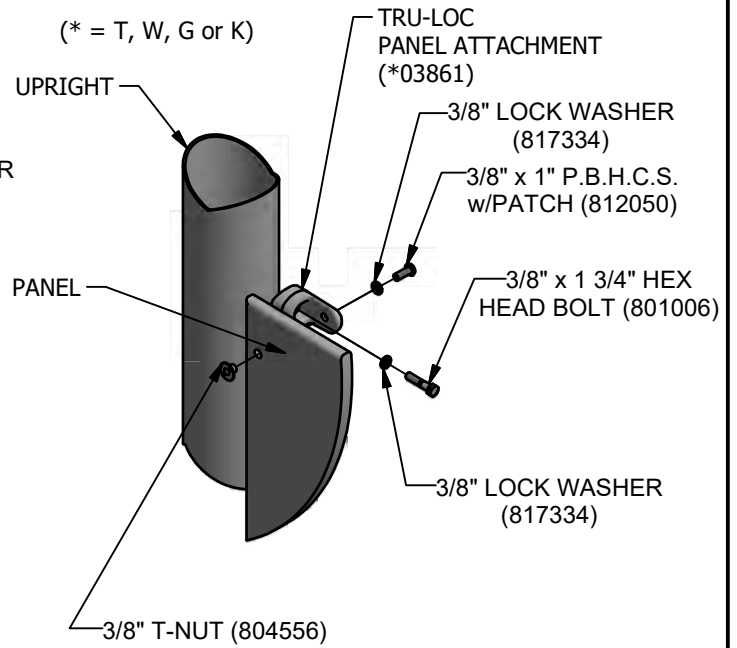
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



120



687

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

PowerScape

GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

90366 SLOPED FUNNEL CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

BARRIER 90366
GUARDRAIL 90403



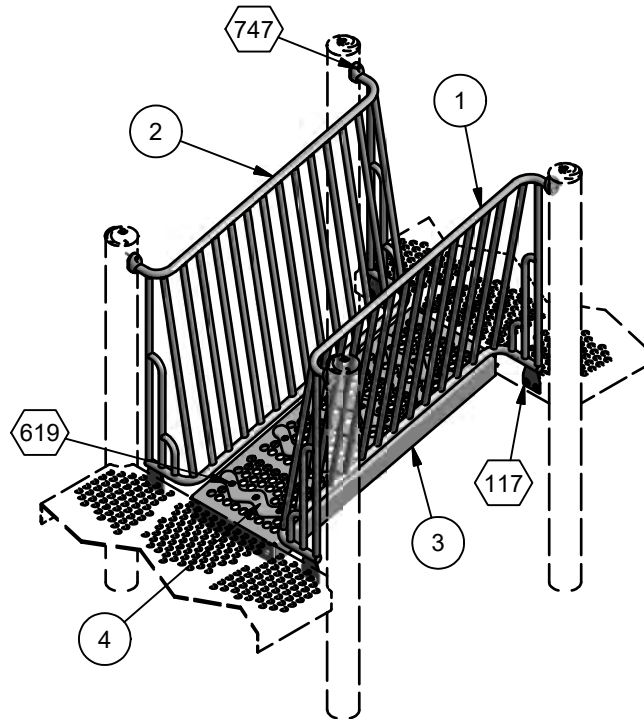
90366
1'-6" THRU 5'-0"

90403
1'-6" THRU 2'-6"



90366
1'-6" THRU 8'-0"

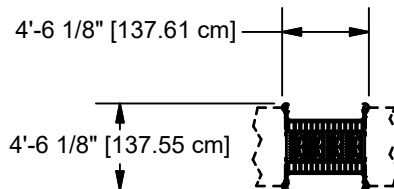
90403
1'-6" THRU 4'-0"



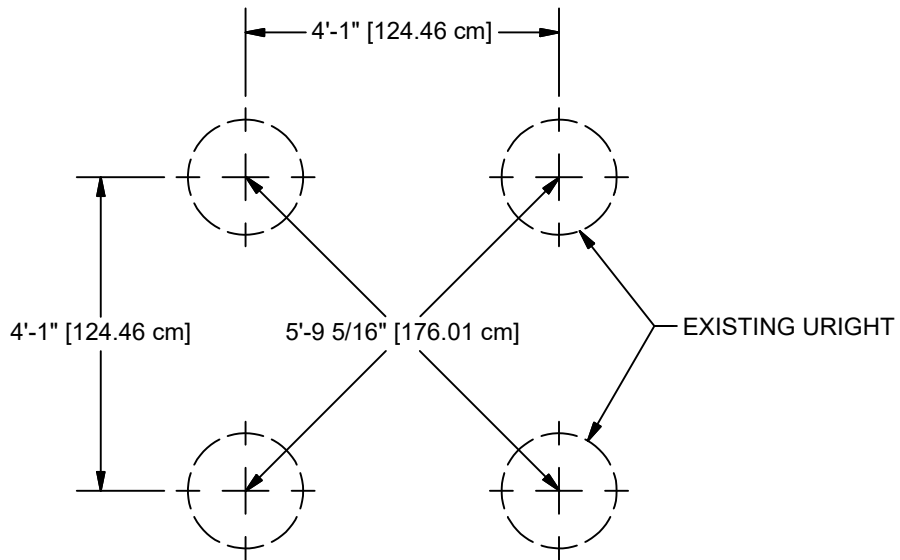
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

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



TOP VIEW



Parts List				
REF.	DESCRIPTION	90366	90403	PART NUMBER
1	RIGHT BARRIER WELD ASS'Y	1	0	204573
1	RIGHT GUARDRAIL WELD ASS'Y	0	1	204584
2	LEFT BARRIER WELD ASS'Y	1	0	204581
2	LEFT GUARDRAIL WELD ASS'Y	0	1	204586
3	COATED PUNCHED WALKWAY	1	1	179568
4	HDPE STEP	4	4	200687
	TRU-LOC	4	4	A03650
	HARDWARE COMPLETE	1	1	204588
	3/8" x 3/4" P.B.H.C.S. w/PATCH	24	24	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	812055*
	3/8" FLAT WASHER	12	12	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	12	12	817424*
	3/8" LOCKWASHER	16	16	817334*
	3/8" TEE NUT	24	24	804556*
	ALUM. PIN	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.

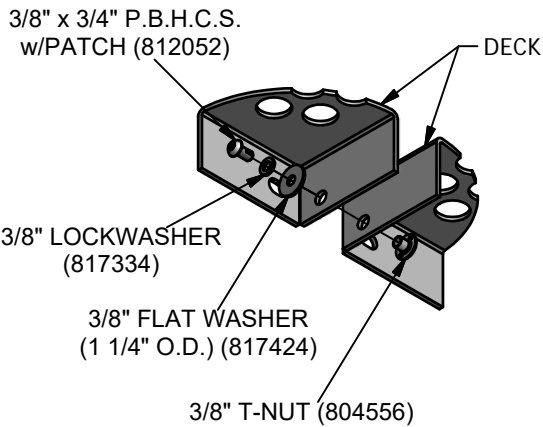
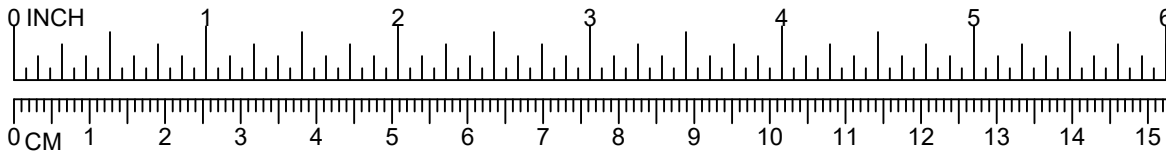
DETAILS -for- 90366 & 90403

IMPORTANT

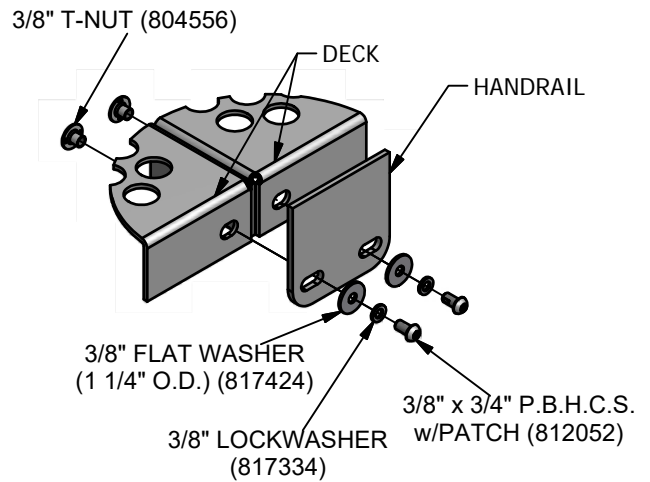
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

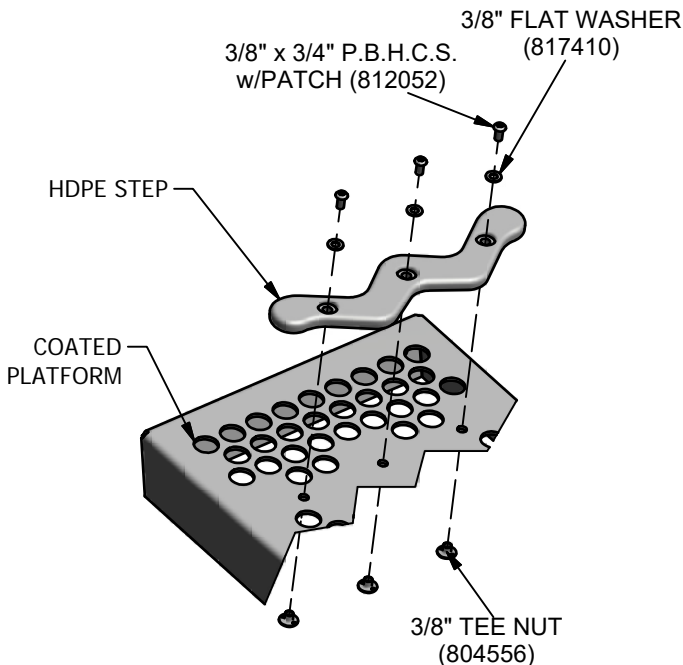
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



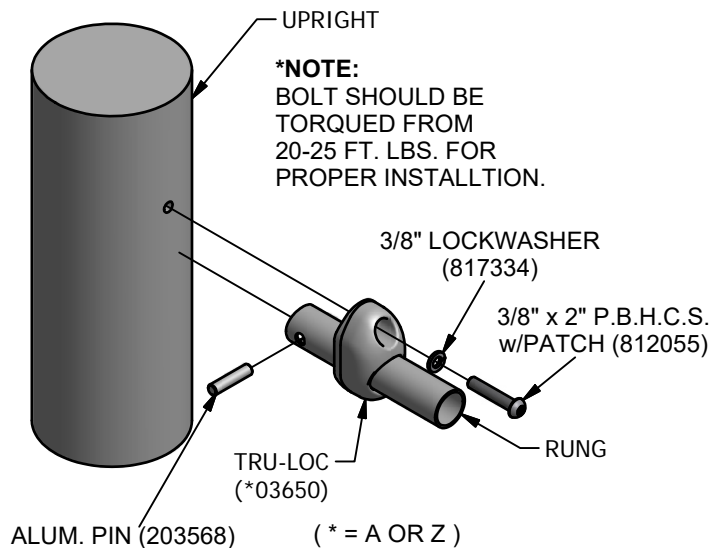
031



117



619



747

PowerScape®



GameTime®

A PLAYCORE Company

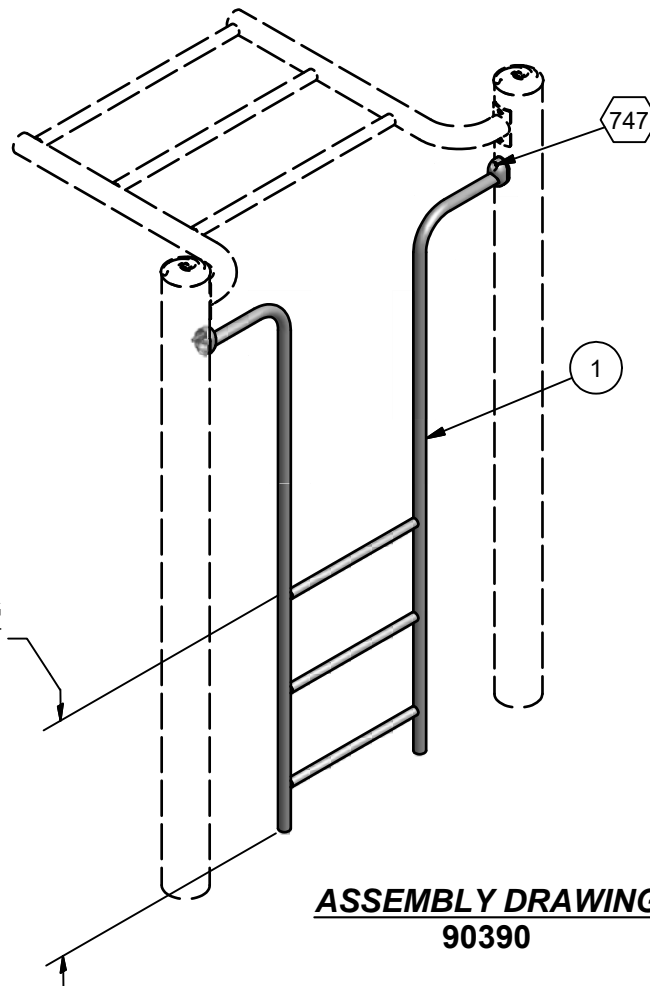
1-800-235-2440

ISSUED/REVISED: 11/12/12

90388 OVERHEAD CLIMBER ACCESS LADDER

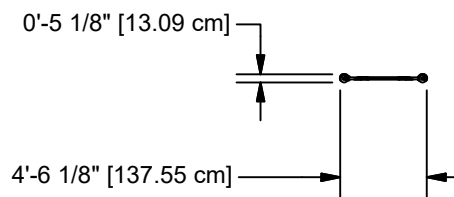
-  = INSTALLATION
-  = PARTS LIST REFERENCE

1'-6" ATTACHMENT	90388
2'-0" ATTACHMENT	90389
2'-6" ATTACHMENT	90390
3'-0" ATTACHMENT	90391

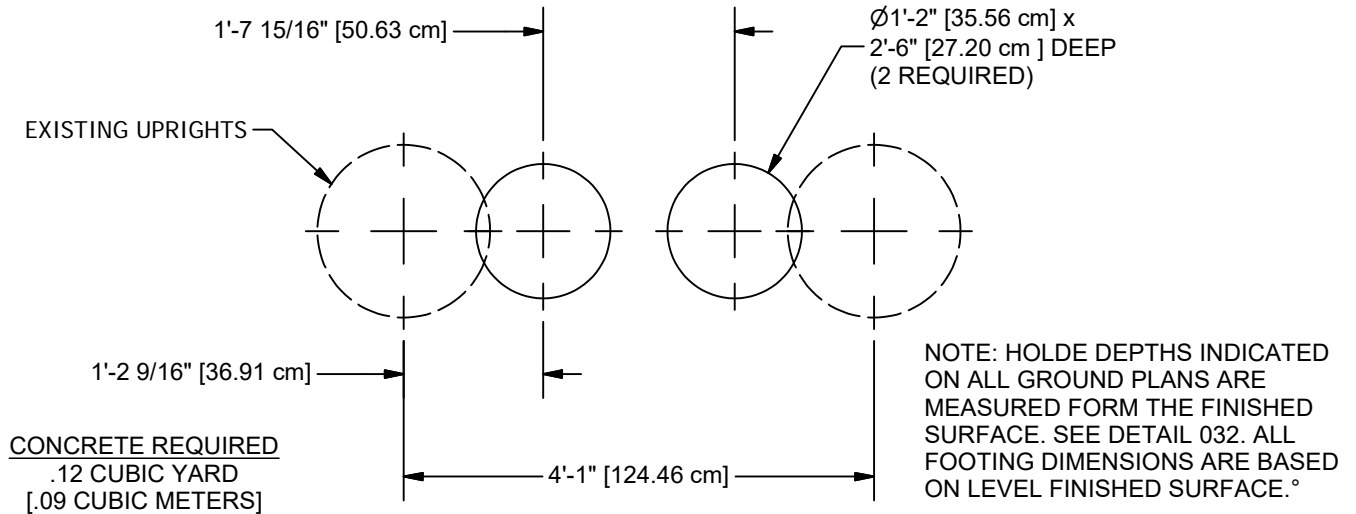


INSTALLATION INSTRUCTIONS

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



GROUND PLAN

Parts List						
REF.	DESCRIPTION	90388	90389	90390	90391	PART NUMBER
1	OVERHEAD CLIMBER ACCESS LADDER	1	0	0	0	204102
1	OVERHEAD CLIMBER ACCESS LADDER	0	1	0	0	204105
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	1	0	204108
1	OVERHEAD CLIMBER ACCESS LADDER	0	0	0	1	204111
	TRU-LOC	2	2	2	2	A03650
	HARDWARE COMPLETE	1	1	1	1	204114
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	812055*
	3/8" LOCKWASHER	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.

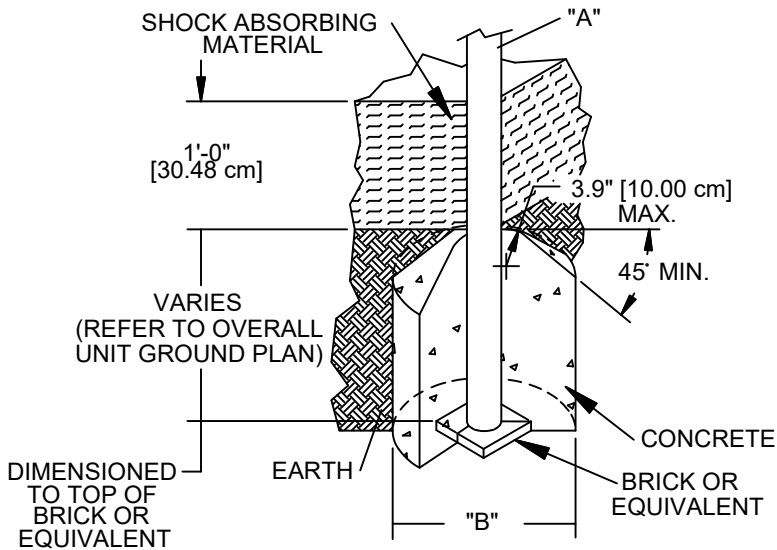
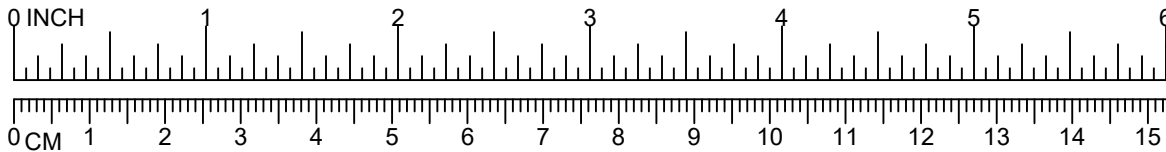
DETAILS -for- 90388, 90389, 90390 & 90391

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.



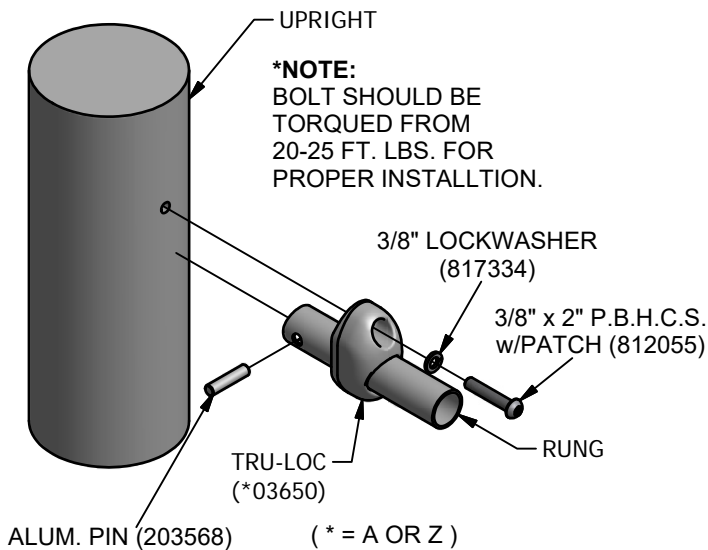
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



PowerScape



GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

90478 RUNG ENCLOSURE (GUARDRAIL)

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

w/MOLDED STEERING WHEEL (ABOVE DECK)	90478
w/MOLDED STEERING WHEEL (BELOW DECK)	90479
w/SOLID STEERING WHEEL (ABOVE DECK)	90501
w/SOLID STEERING WHEEL (BELOW DECK)	90502



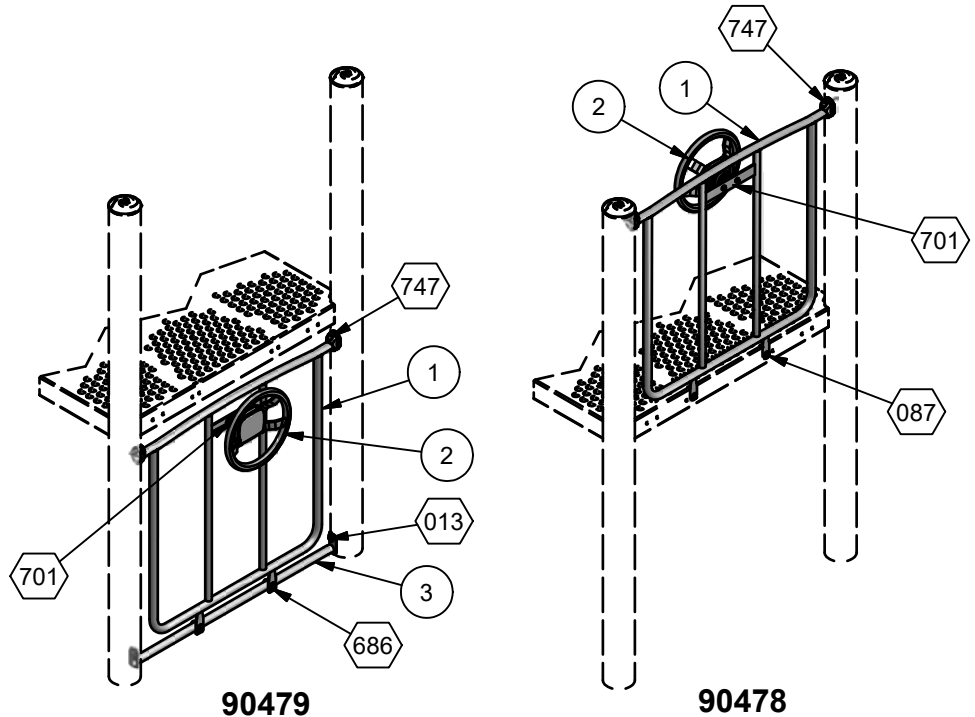
90478/90501
0'-6" THRU 2'-6"

90479/90502
4'-0" THRU 5'-0"



90478/90501
0'-6" THRU 4'-0"

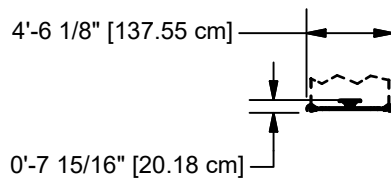
90479/90502
4'-0" THRU 8'-0"



INSTALLATION INSTRUCTIONS

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

ASSEMBLY VIEWS



TOP VIEWS

Parts List						
REF.	DESCRIPTION	90478	90479	90501	90502	PART NUMBER
1	RUNG ENCLOSURE	1	1	1	1	204414
2	STEERING WHEEL ASSEMBLY	1	1	0	0	163235
2	STEERING WHEEL ASSEMBLY	0	0	1	1	141129
3	MOUNTING PIPE	0	1	0	1	203900
	TRU-LOC	2	2	2	2	A03650
	HARDWARE COMPLETE	1	0	1	0	204415
	HARDWARE COMPLETE	0	1	0	1	204416
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	2	4	2	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	2	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	2	2	812055*
	3/8" FLAT WASHER	2	2	2	2	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	4	2	4	817424*
	3/8" LOCKWASHER	6	8	6	8	817334*
	3/8" ACORN NUT	2	2	2	2	804002*
	3/8" T-NUT	2	2	2	2	804556*
	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.

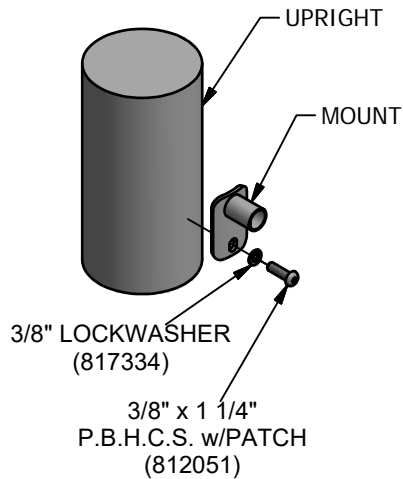
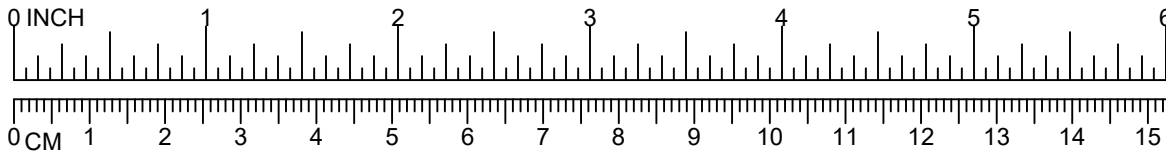
DETAILS -for- 90478, 90479, 90501, & 90502

IMPORTANT

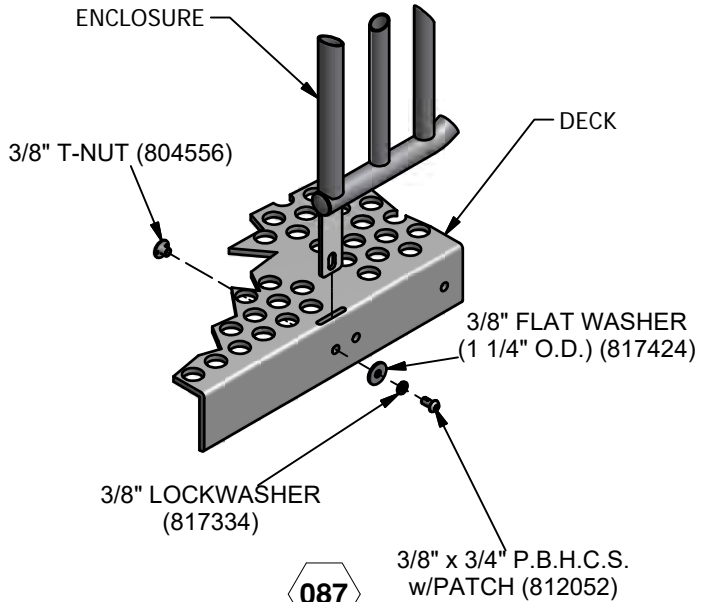
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

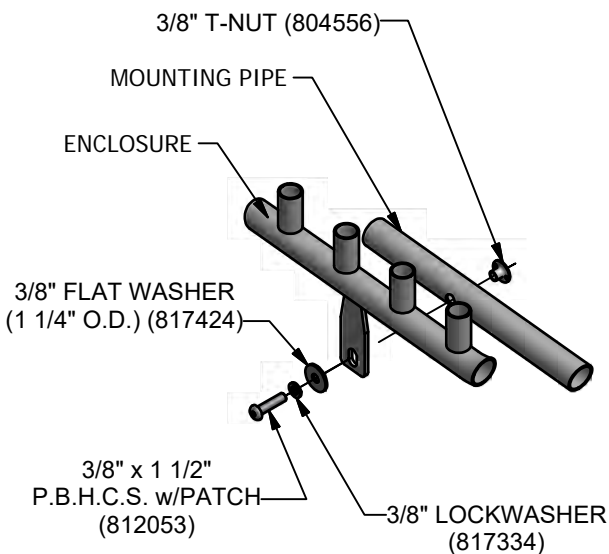
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



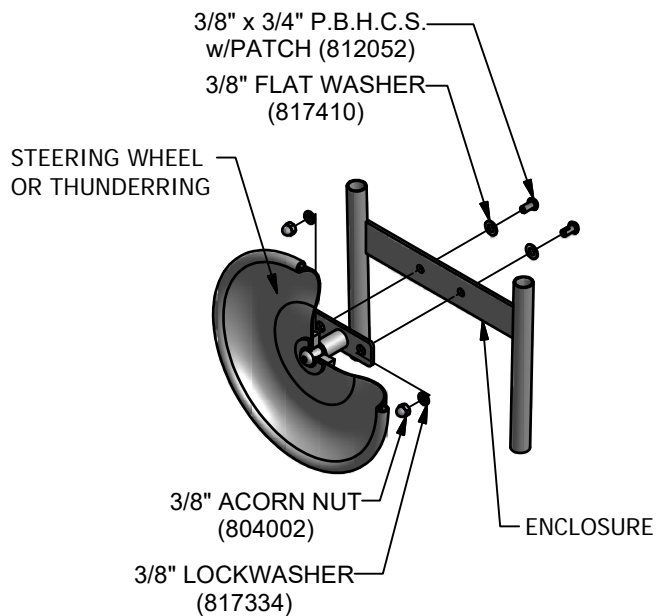
013



087



686



701

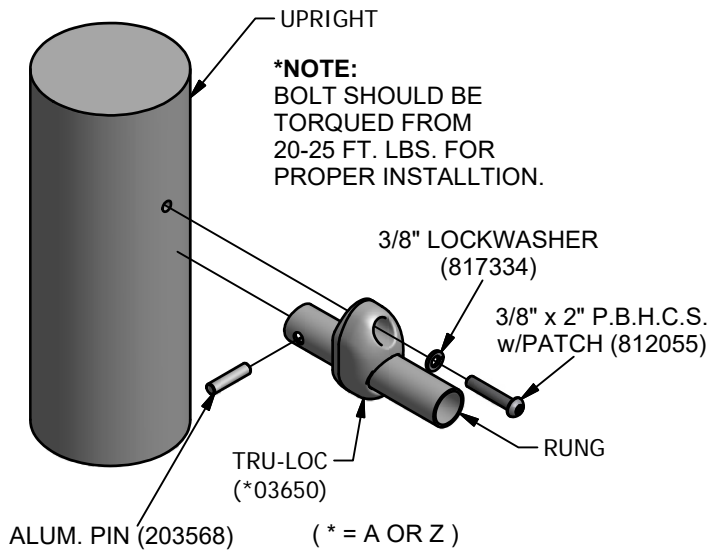
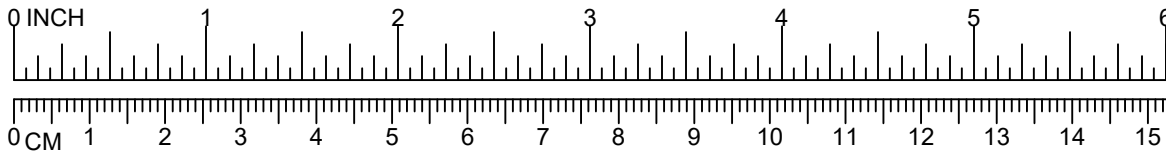
DETAILS -for- 90478, 90479, 90501, & 90502

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.



747

PowerScape®



GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 6/19/18

90503 ZIP SLIDE

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

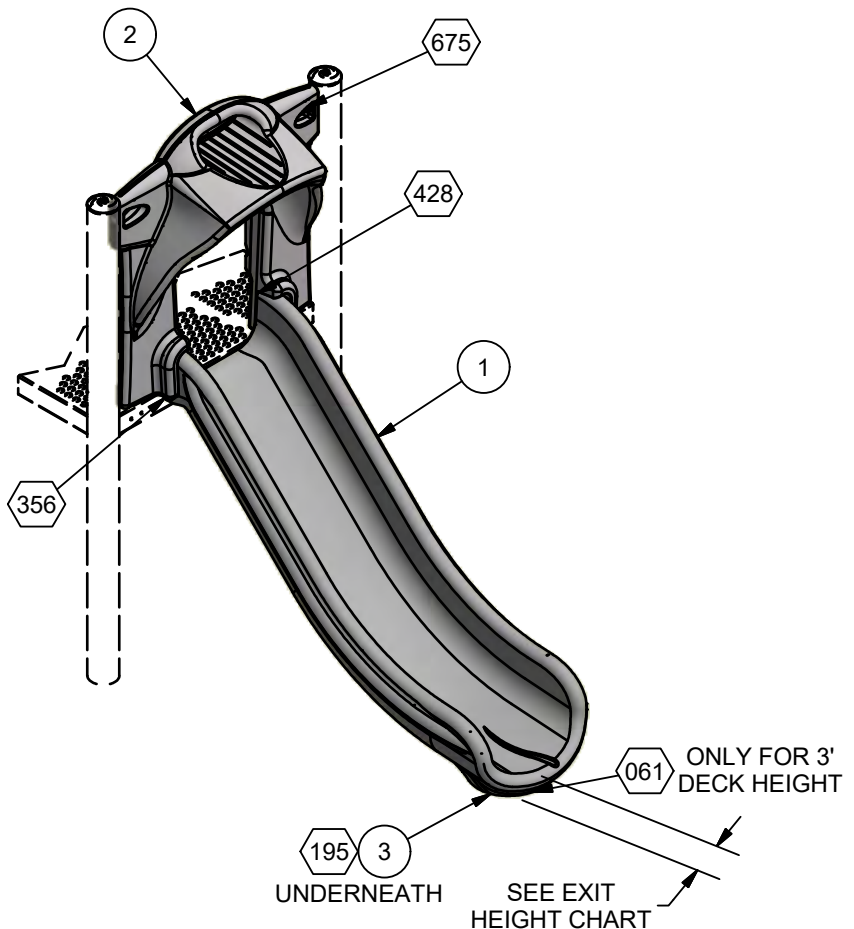
2'-6" / 3'-0" WAVE ZIP SLIDE	90503
4'-0" ZIP SLIDE	90504
5'-0" ZIP SLIDE	90505
6'-0" WAVE ZIP SLIDE	90506



90503
90504
90505



ALL DECK
HEIGHTS



ASSEMBLY DRAWING
90504 SHOWN

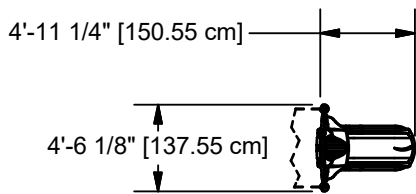
INSTALLATION INSTRUCTIONS

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

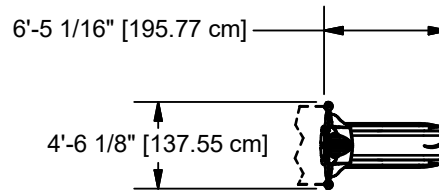
EXIT HEIGHT CHART -for- 3' & 4'	
STANDARD	EXIT HEIGHT from SURFACING
ASTM	11" OR LESS
CSA	275mm OR LESS
EN	200mm OR LESS

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

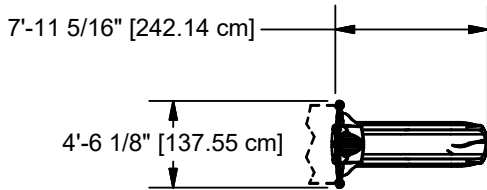
EXIT HEIGHT CHART	
PART NO.	SLIDE EXIT HEIGHT
90503 (2'-6")	0'-4 3/4" [12.07cm]
90503 (3'-0")	0'-10 3/4" [27.31cm]
90504 (4'-0")	0'-7" [17.78cm]
90505 (5'-0")	0'-9" [22.86cm]
90506 (6'-0")	0'-11" [27.94cm]



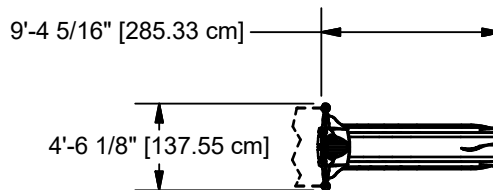
90503



90504



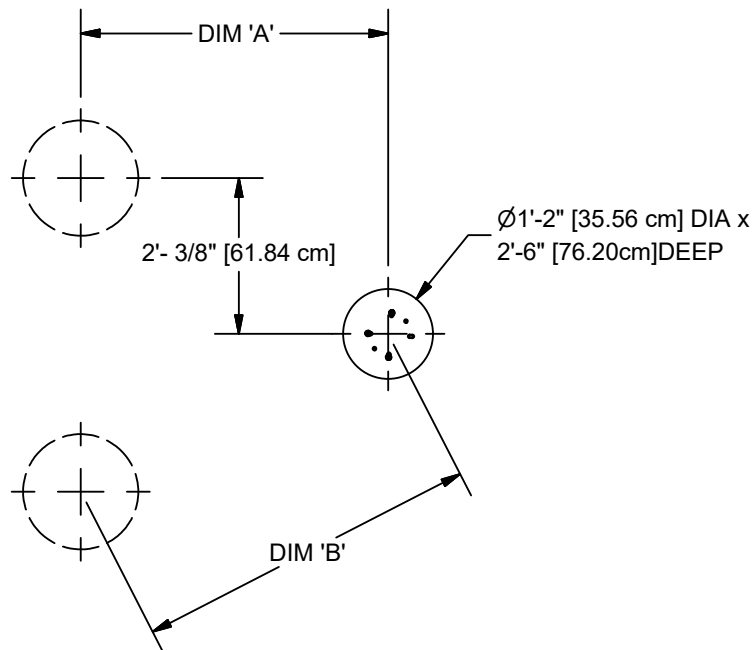
90505



90506

TOP VIEWS

PART NO.	DIM 'A'	DIM 'B'
90503 (2'-6", 3')	4'-01/16" [122.06cm]	4'-6" [137.16cm]
90504 (4')	5'-4 7/8" [164.78cm]	5'-9 5/16" [176.05cm]
90505 (5')	6'-10 7/8" [210.50cm]	7'-5 3/8" [227.01cm]
90506 (6')	8'-3 7/8" [253.68cm]	8'-6 13/16" [261.14cm]



GROUND PLAN

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

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

Parts List						
REF.	DESCRIPTION	90503	90504	90505	90506	PART NUMBER
1	3' ZIP SLIDE	1	0	0	0	176399
1	4' ZIP SLIDE	0	1	0	0	176186
1	5' ZIP SLIDE	0	0	1	0	176187
1	6' ZIP WAVE SLIDE	0	0	0	1	176154
2	SINGLE ZIP SLIDE HOOD	1	1	1	1	203858
3	FOOTBUCK	1	1	1	0	176385
3	FOOTBUCK	0	0	0	1	176384
	HARDWARE COMPLETE	0	1	1	1	204410
	HARDWARE COMPLETE	1	0	0	0	206107
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812058*
	3/8" LOCK WASHER	11	10	10	10	817334*
	3/8" FLAT WASHER	4	4	4	4	817410*
	3/8" FLAT WASHER (1" O.D.)	2	2	2	2	817401*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	817424*
	3/8" HEX NUT	1	0	0	0	804053*
	3/8" x 3 1/2" HEX HEAD	1	0	0	0	801013*
	6" EXTENSION	1	0	0	0	151080*

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

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

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

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

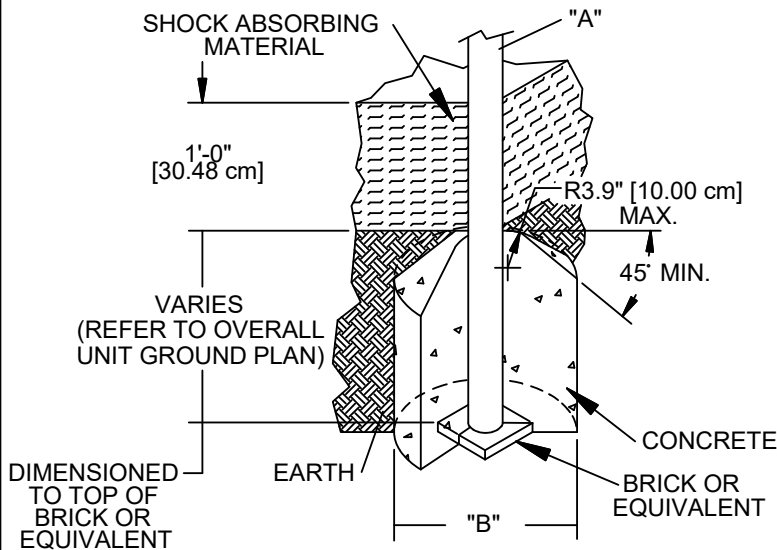
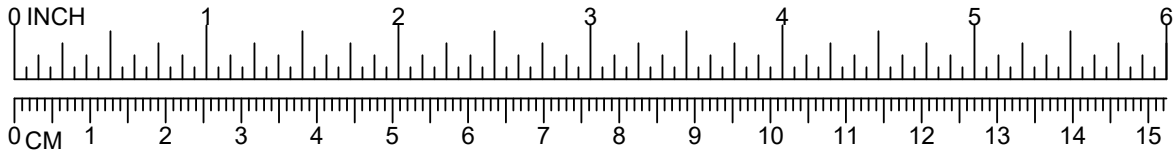
DETAILS -for- 90503 - 90506

IMPORTANT

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

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

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



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

NOTES:

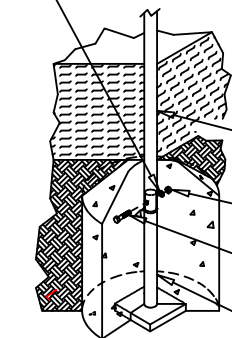
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

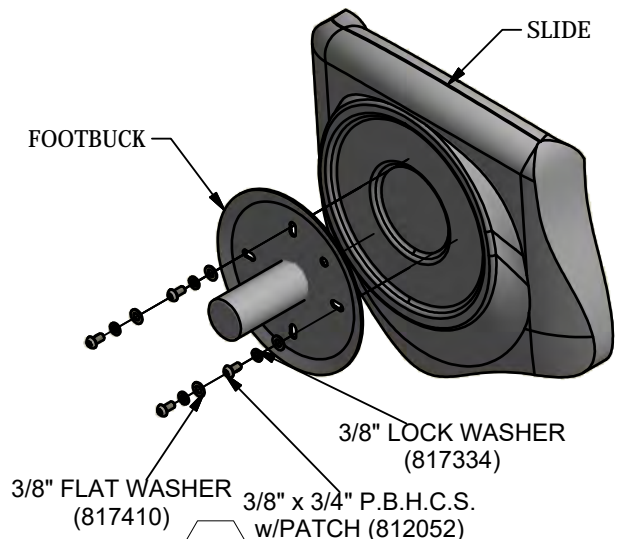
LEG (PIPE DIA.)	BOLT REQUIRED
1 5/16" [3.3 cm]	3/8" x 2" HEX HEAD (801007)
1 5/8" [4.1 cm]	3/8" x 2 1/2" HEX HEAD (801009)
1 7/8" [4.7 cm]	3/8" x 3" HEX HEAD (801011)
2 3/8" [6.0 cm]	3/8" x 3 1/2" HEX HEAD (801013)
2 7/8" [7.3 cm]	3/8" x 4" HEX HEAD (801015)

3/8" LOCKWASHER (817334)



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

SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



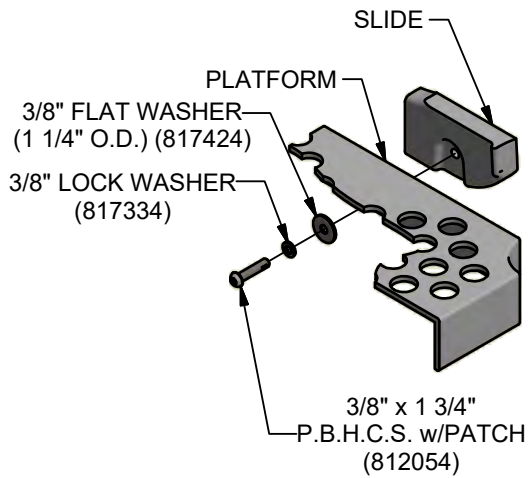
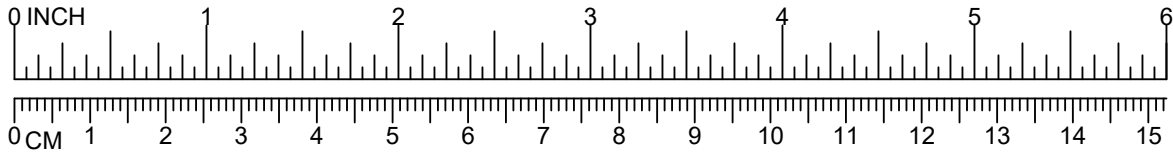
DETAILS -for- 90503 - 90506

IMPORTANT

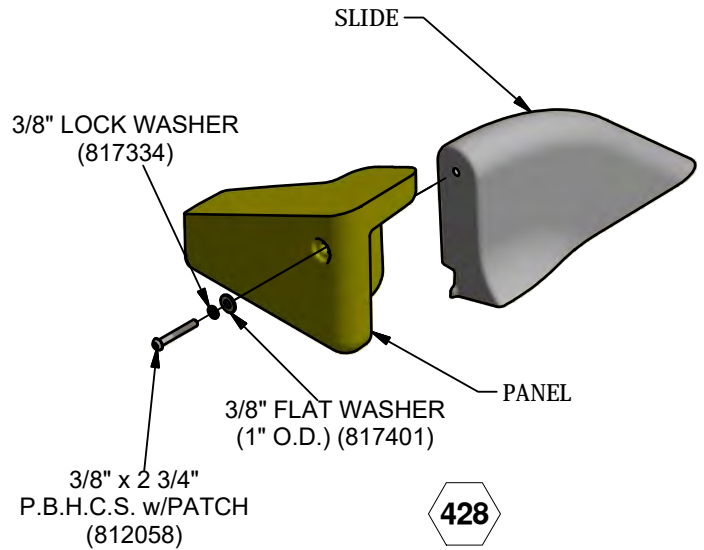
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

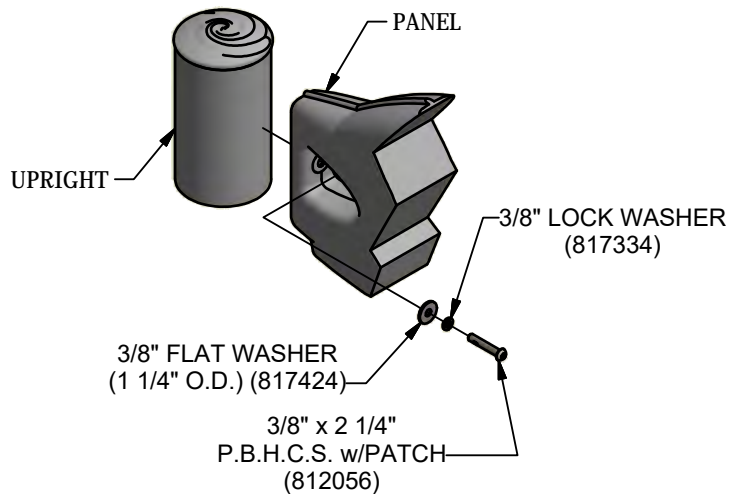
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



356



428



675

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 1/2/2020

90840 GT XCELERATOR

EN VERSION B90840

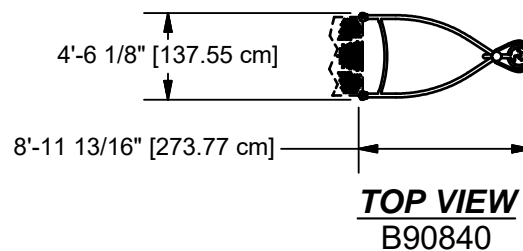
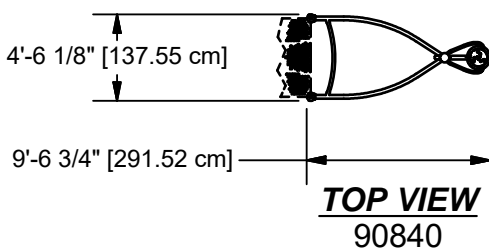
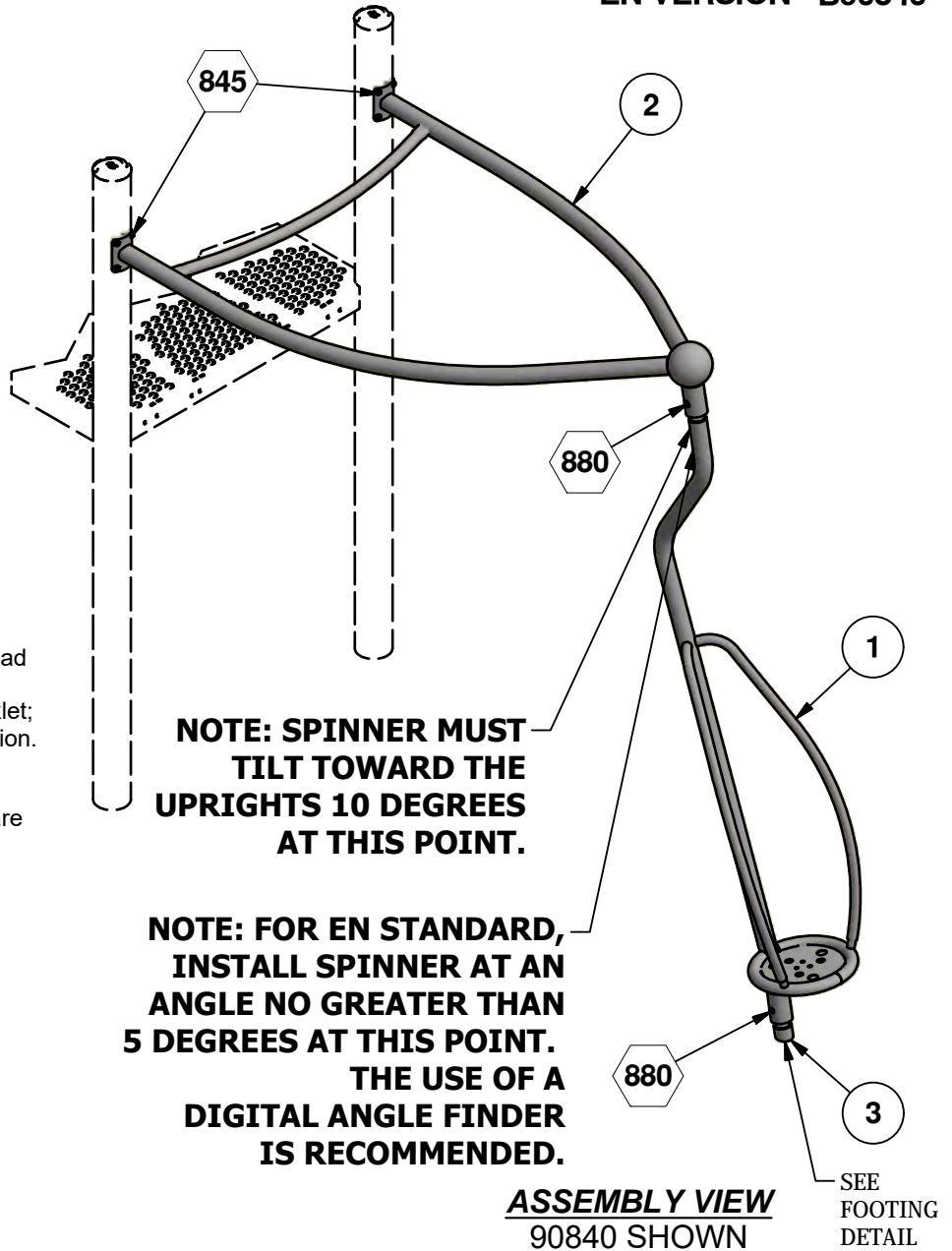
⬡ = INSTALLATION
= DETAIL

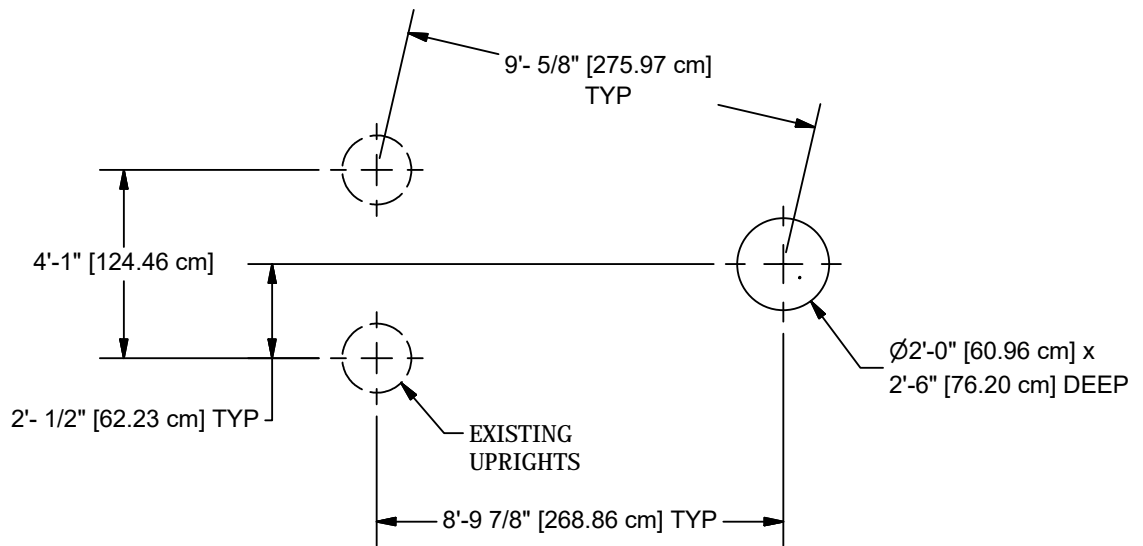
○ = PARTS LIST
REFERENCE



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.

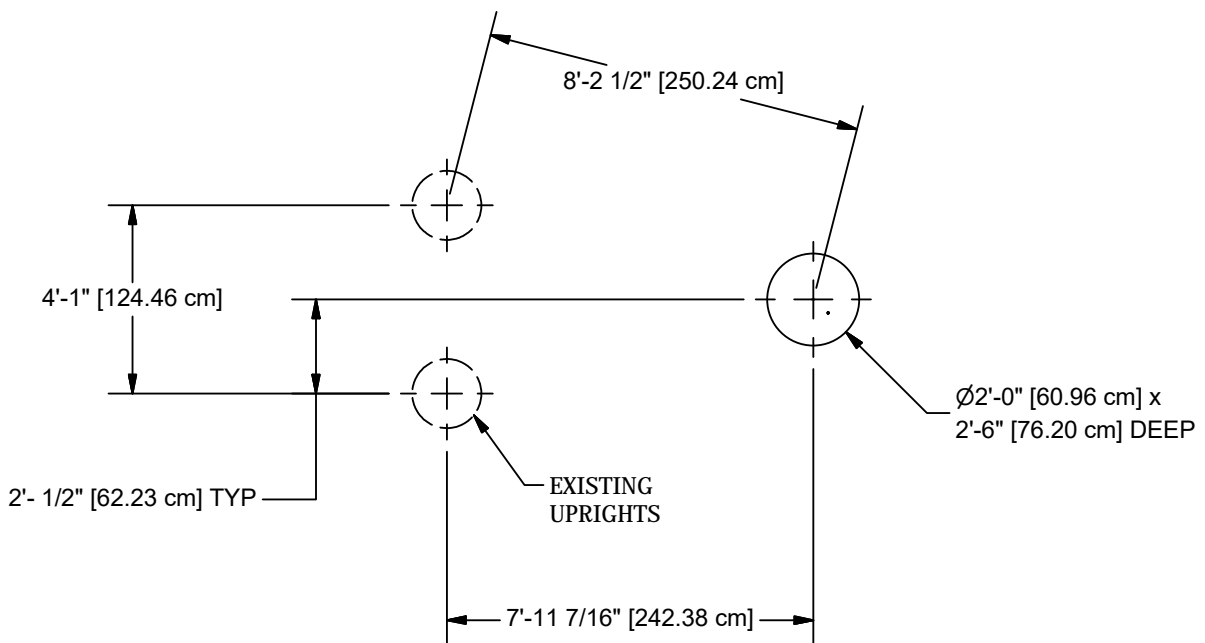




NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED
 .18 CUBIC YARDS
 .13 CUBIC METERS

GROUND PLAN
 90840



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

CONCRETE REQUIRED
 .18 CUBIC YARDS
 .13 CUBIC METERS

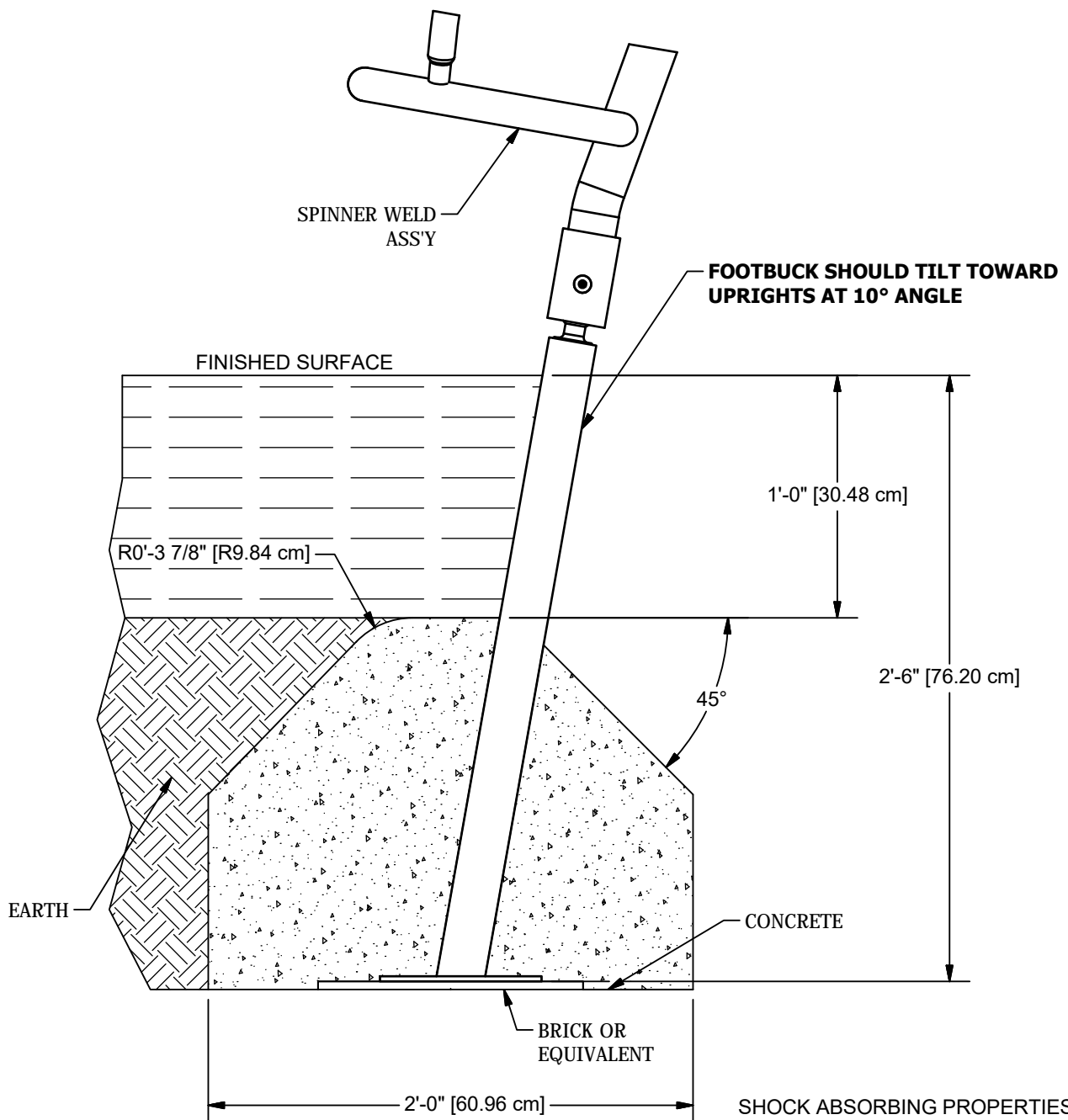
GROUND PLAN
 B90840

Parts List				
REF.	DESCRIPTION	90840	B90840	PART NUMBER
1	SPINNER WELD ASS'Y	1	1	212568
2	HUB FRAME WELD ASS'Y	1	1	212596
3	FOOTBUCK WELD ASS'Y	1	1	212576
	HARDWARE COMPLETE	1	1	212616
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	8	812051*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	812058*
	3/8" BARREL NUT	2	2	804804*
	3/8" LOCK WASHER	10	10	817334*
	UHMW HALF CUP	4	4	212587*
	3/8" FLAT WASHER	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: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.



SUGGESTED MINIMUM
CONCRETE RATING:
3000 PSI

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

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

FOOTING DETAIL

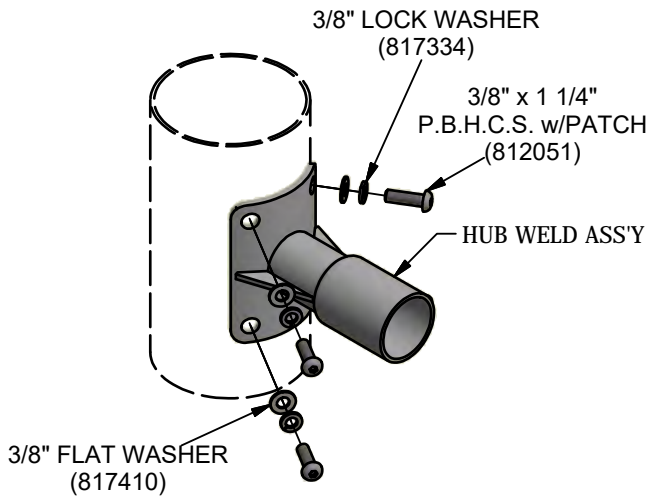
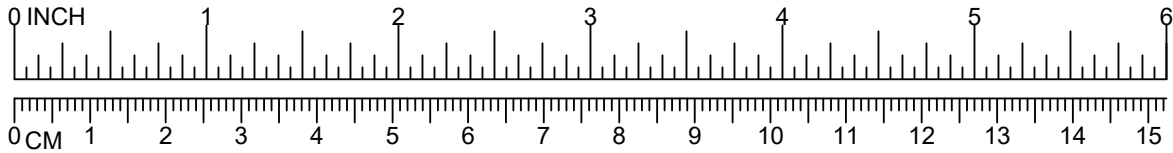
DETAILS -for- 90840 & B90840

IMPORTANT

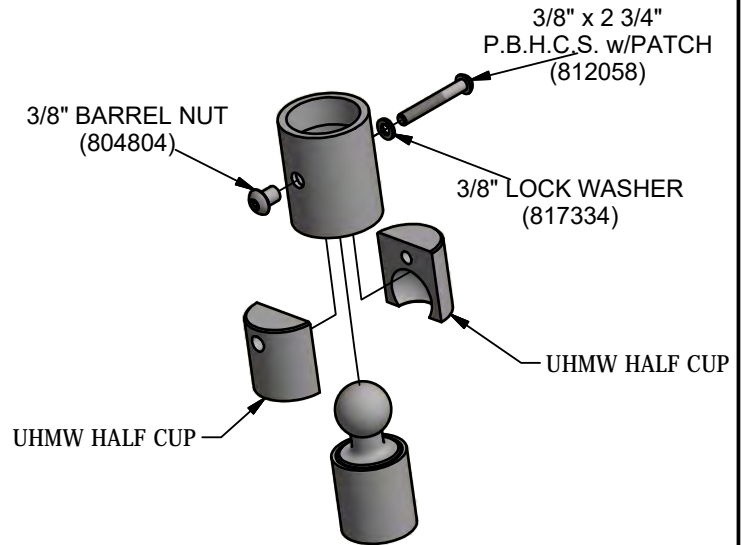
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



845



880

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

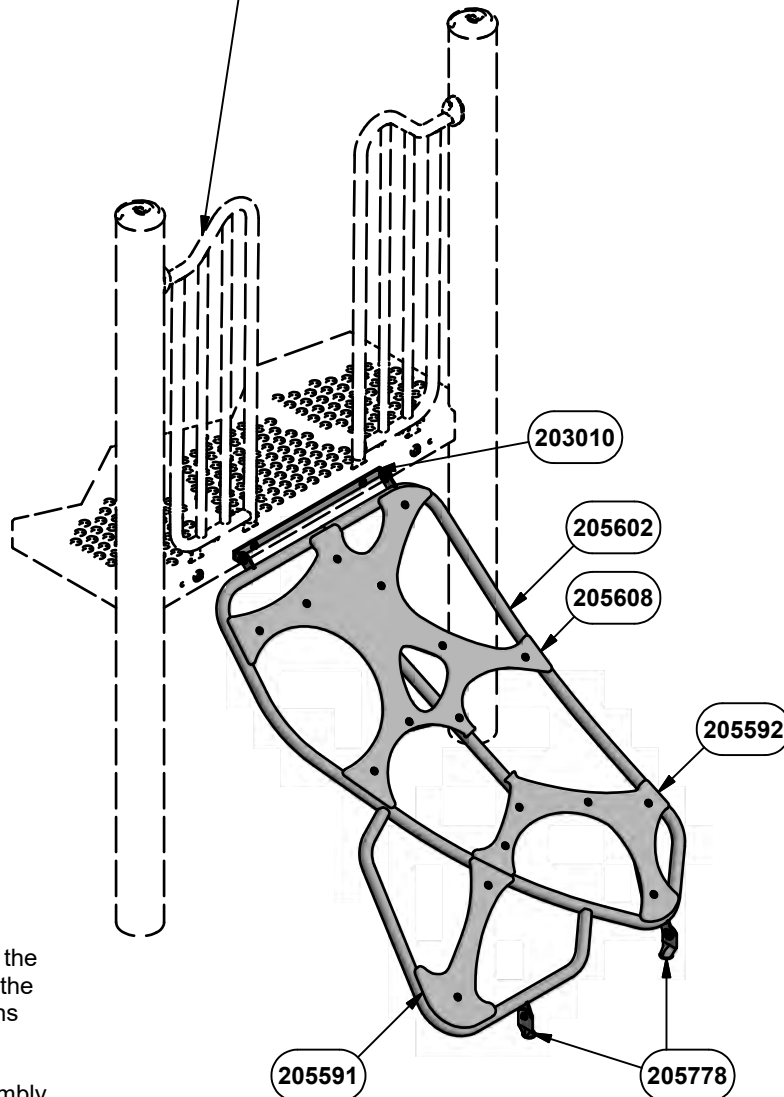
ISSUED/REVISED: 10/26/2020

91106 CORAL CLIMBER 3D



3'-6" THRU 4'-6"	91106
5'-0"	91107
5'-6" THRU 6'-6"	91108
7'-0" THRU 7'-6"	91109

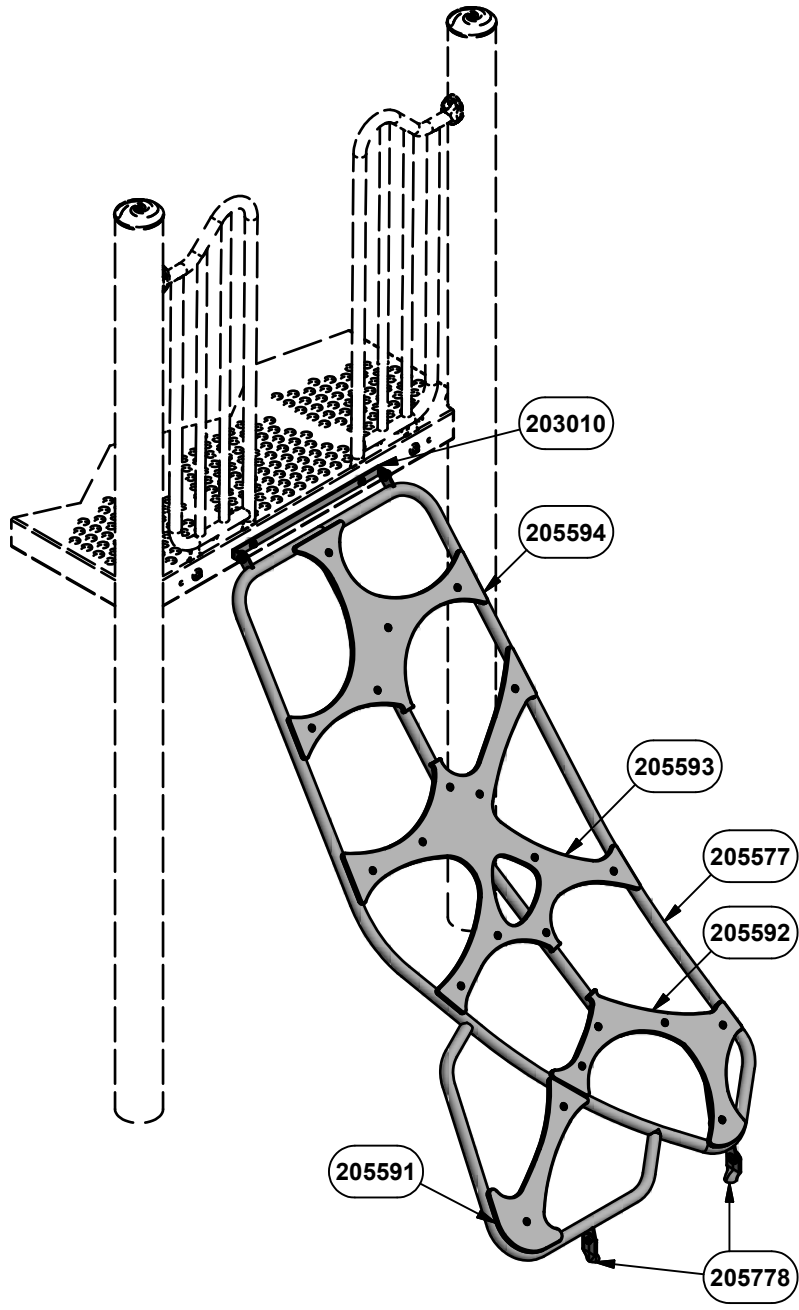
REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER. ENTRYWAY MUST BE INSTALLED PRIOR TO ATTACHMENT OF THIS PRODUCT.



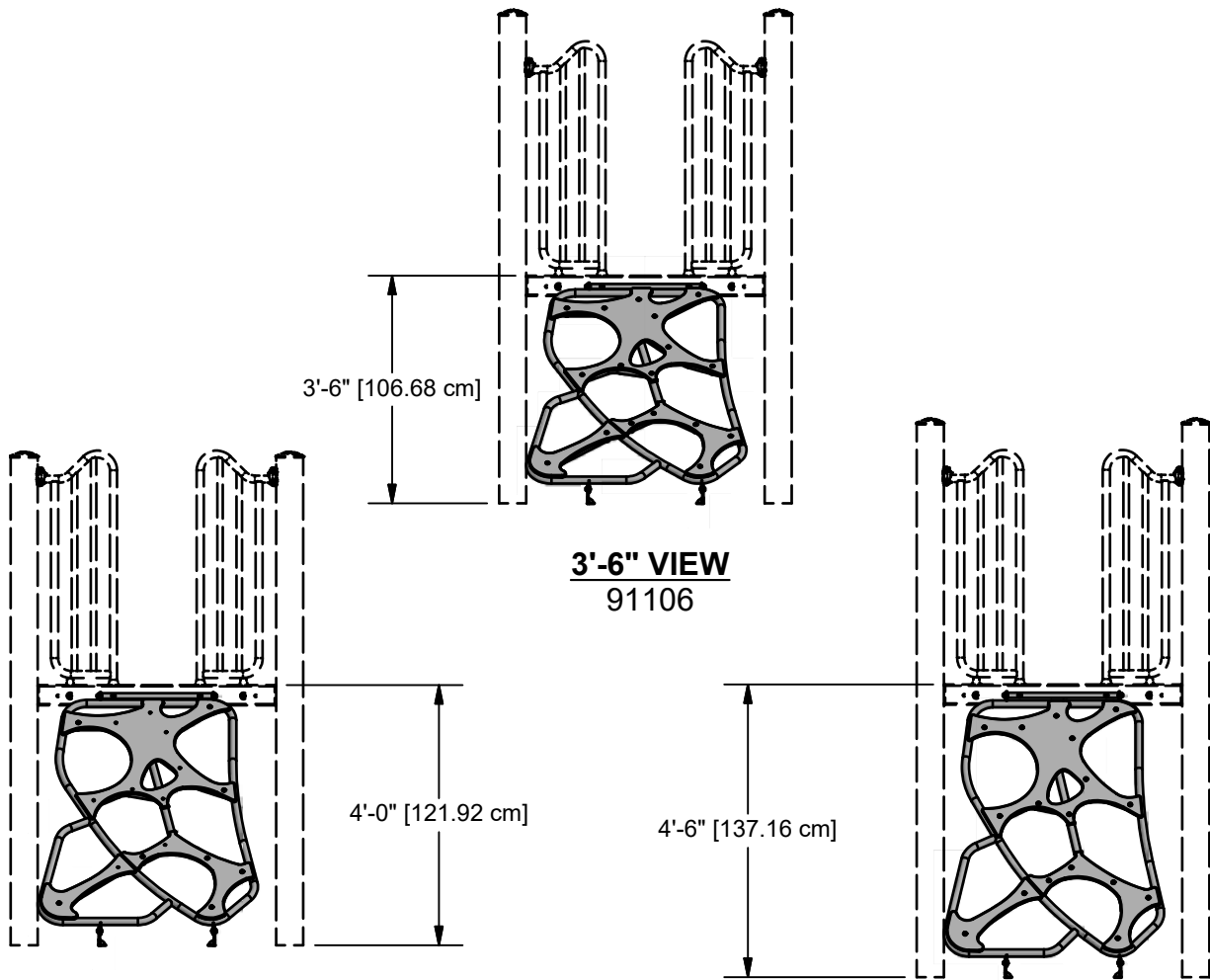
ASSEMBLY VIEW
91106 SHOWN

INSTALLATION INSTRUCTIONS

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



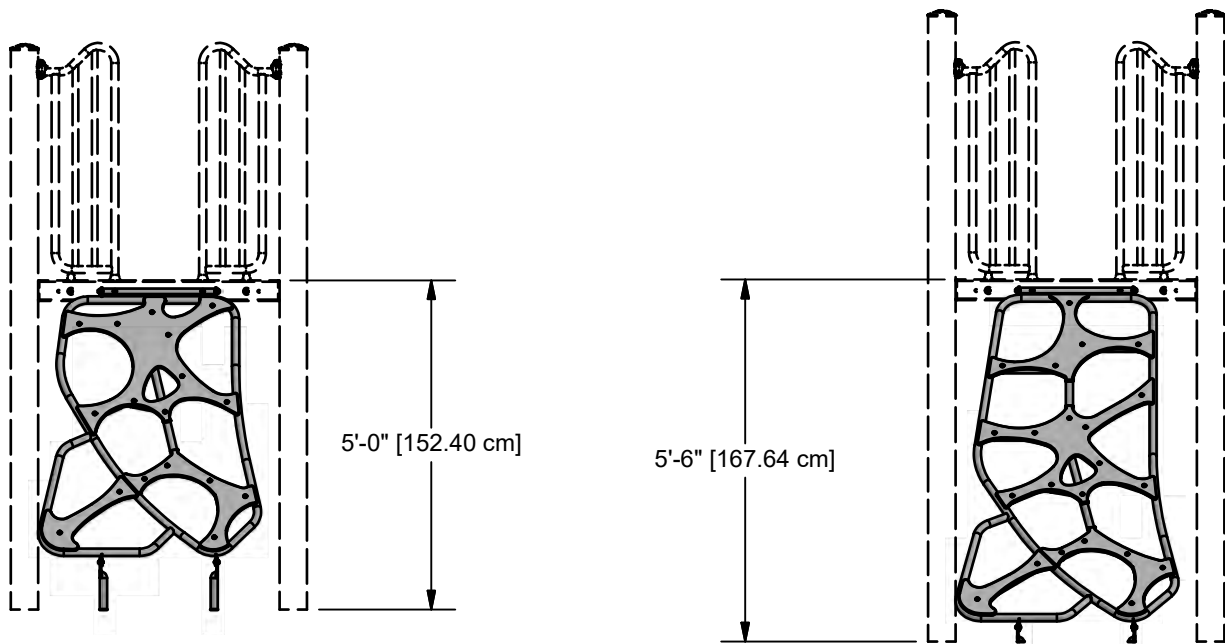
ASSEMBLY VIEW
91108 SHOWN



3'-6" VIEW
91106

4'-0" VIEW
91106

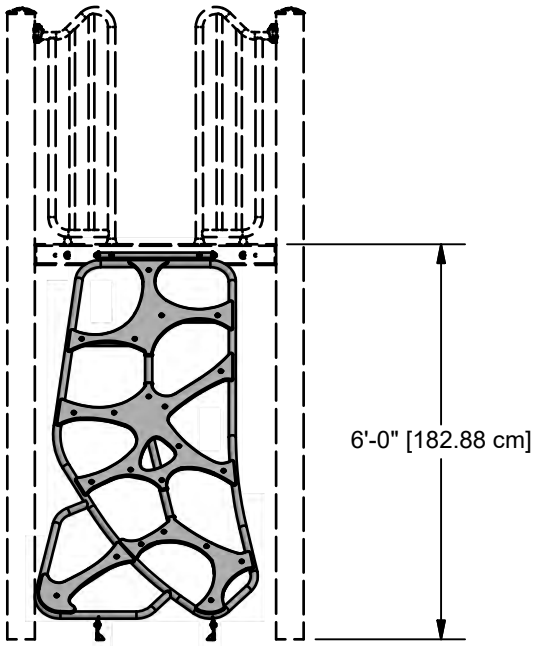
4'-6" VIEW
91106



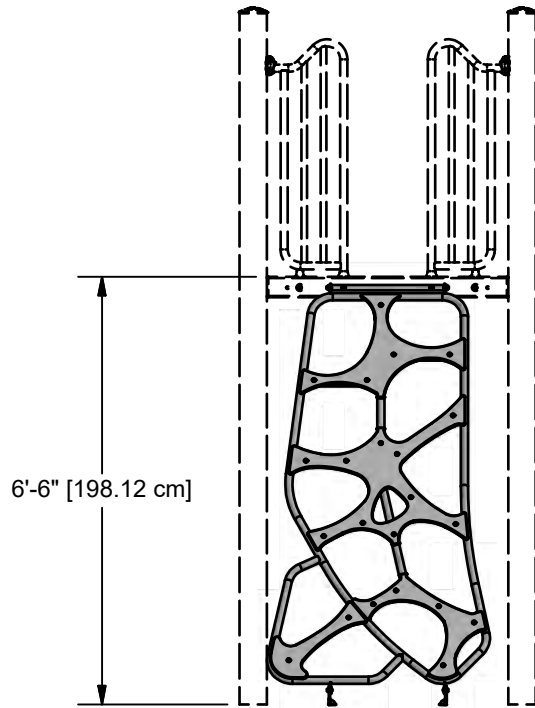
5'-0" VIEW
91107

5'-6" VIEW
91108

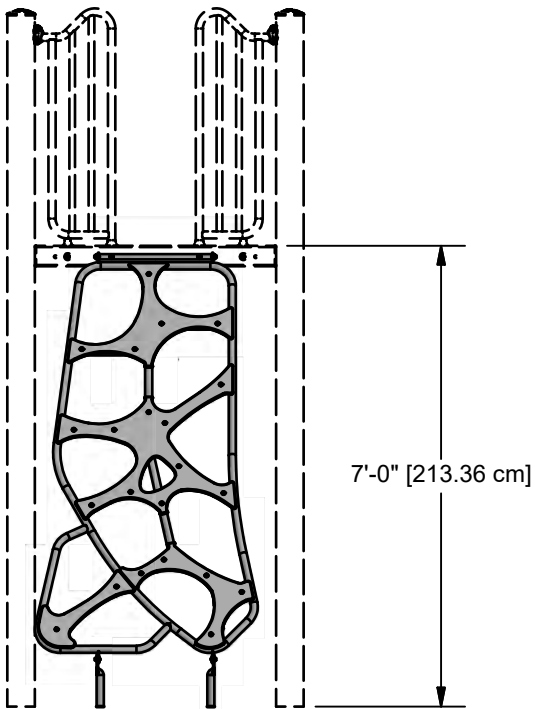
**DECK HEIGHT
ELEVATIONS**



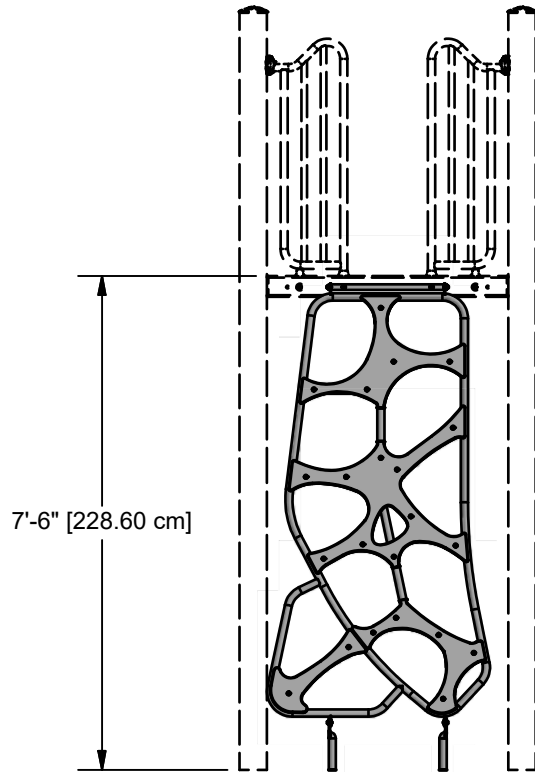
6'-0" VIEW
91108



6'-6" VIEW
91108

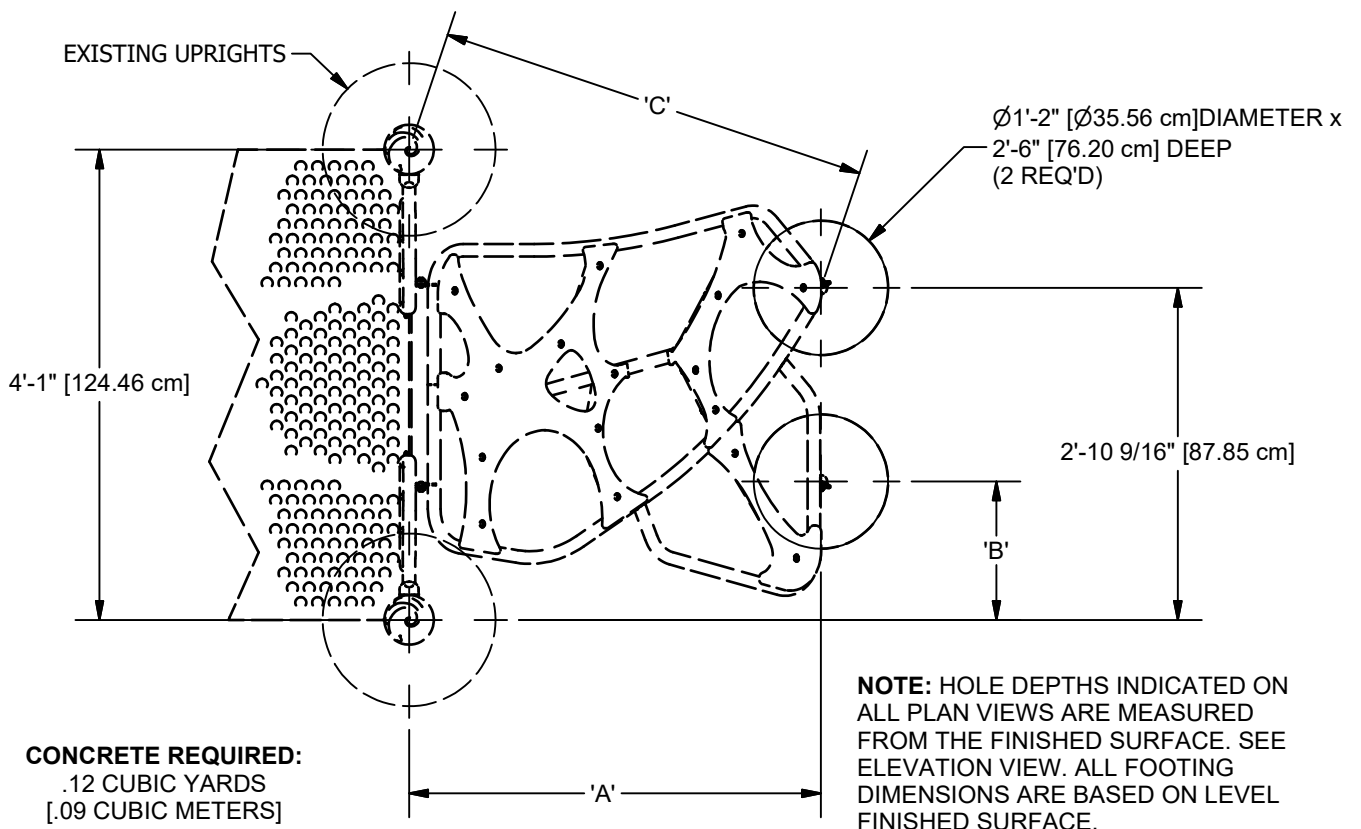


7'-0" VIEW
91109



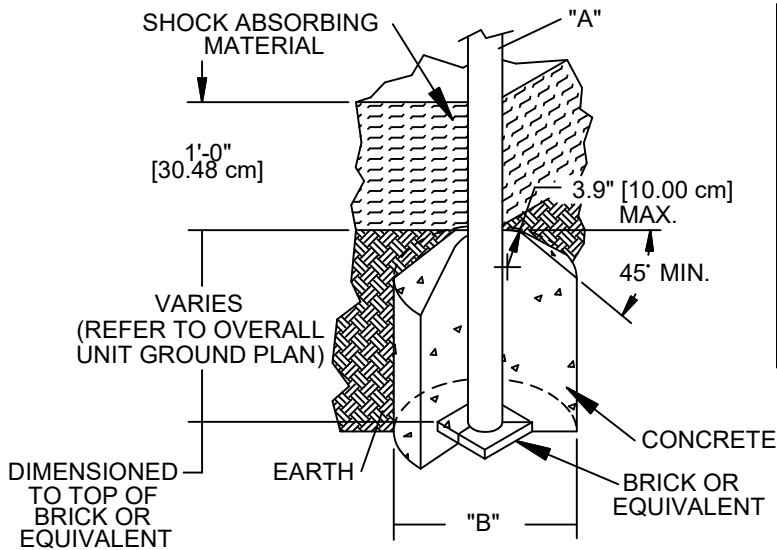
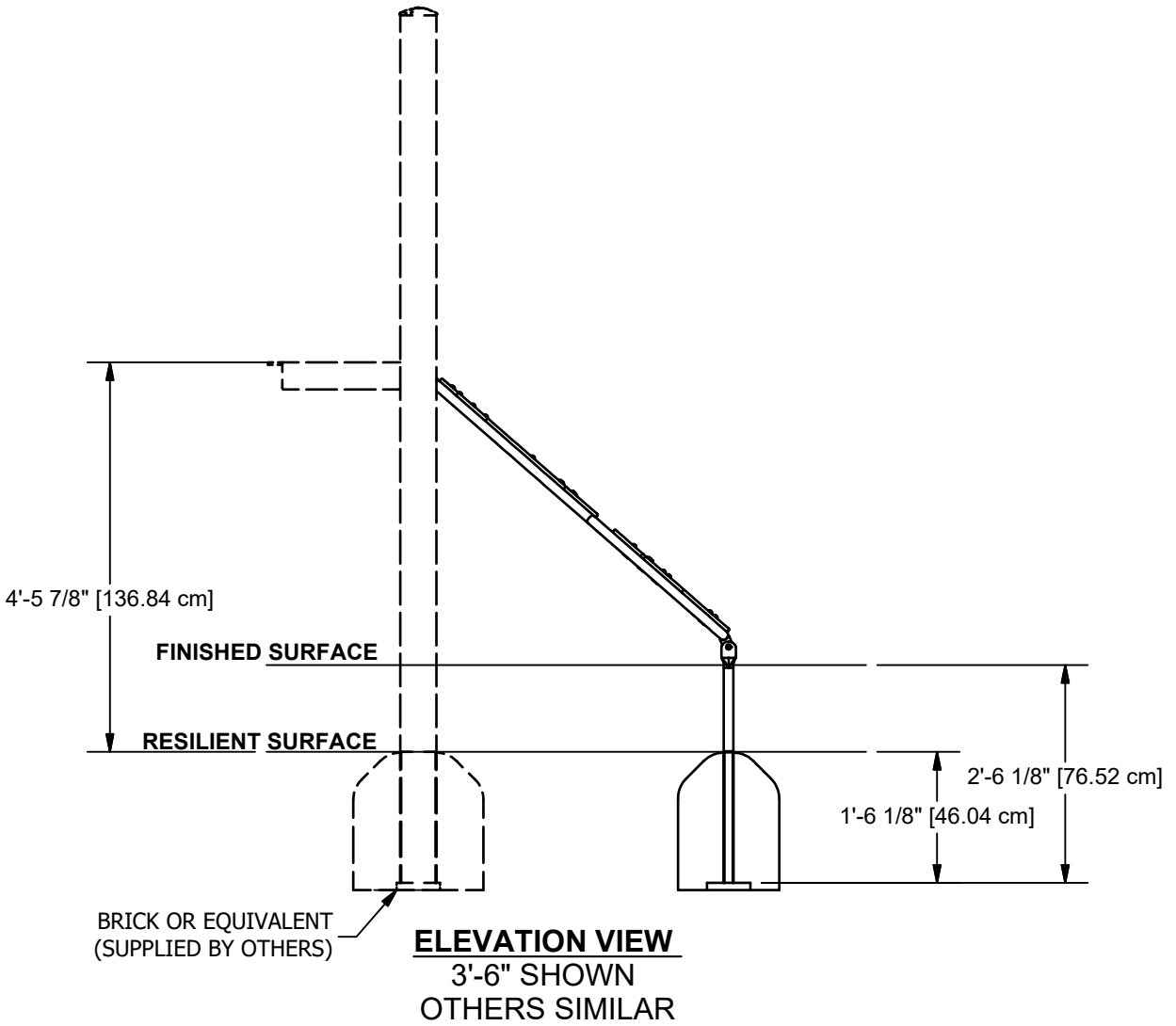
7'-6" VIEW
91109

DECK HEIGHT
ELEVATIONS



PLAN VIEW

PRODUCT #	DECK HEIGHT	'A'	'B'	'C'
91106	3'-6"	3'-6 7/8" [108.96 cm]	1'-2 7/16" [36.61 cm]	3'-9 1/4" [114.94 cm]
	4'-0"	3'-0 5/8" [92.97 cm]	1'-2 7/16" [36.61 cm]	3'-3 5/16" [99.92 cm]
	4'-6"	2'-3 9/16" [70.06 cm]	1'-2 7/16" [36.61 cm]	2'-7 1/8" [79.05 cm]
91107	5'-0"	2'-3 9/16" [70.06 cm]	1'-2 7/16" [36.61 cm]	2'-7 1/8" [79.05 cm]
	5'-6"	4'-4 1/2" [133.34 cm]	1'-3 5/8" [39.63 cm]	4'-6 7/16" [133.34 cm]
91108	6'-0"	3'-8 5/16" [112.53 cm]	1'-3 5/8" [39.63 cm]	3'-10 9/16" [118.34 cm]
	6'-6"	2'-9" [83.86 cm]	1'-3 5/8" [39.63 cm]	3'-0" [91.50 cm]
	7'-0"	2'-9" [83.86 cm]	1'-3 5/8" [39.63 cm]	3'-0" [91.50 cm]
91109	7'-6"	0'-10 7/8" [27.62 cm]	1'-3 5/8" [39.63 cm]	1'-6 1/16" [45.86 cm]



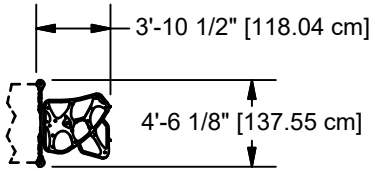
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]

NOTES:

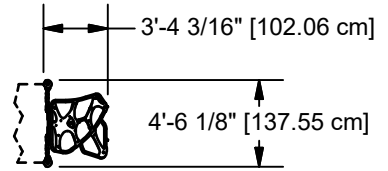
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.

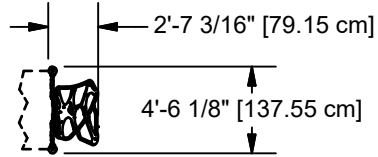
FOOTING DETAIL



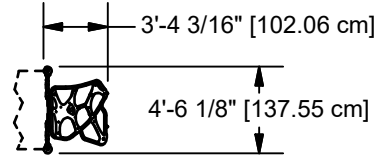
3'-6" VIEW
91106



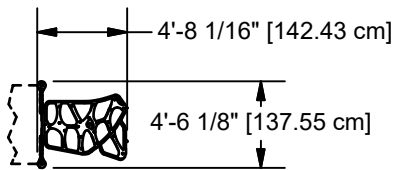
4'-0" VIEW
91106



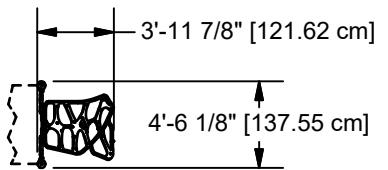
4'-6" VIEW
91106



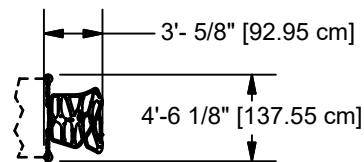
5'-0" VIEW
91107



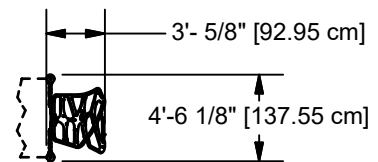
5'-6" VIEW
91108



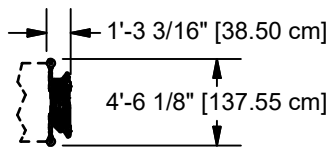
6'-0" VIEW
91108



6'-6" VIEW
91108

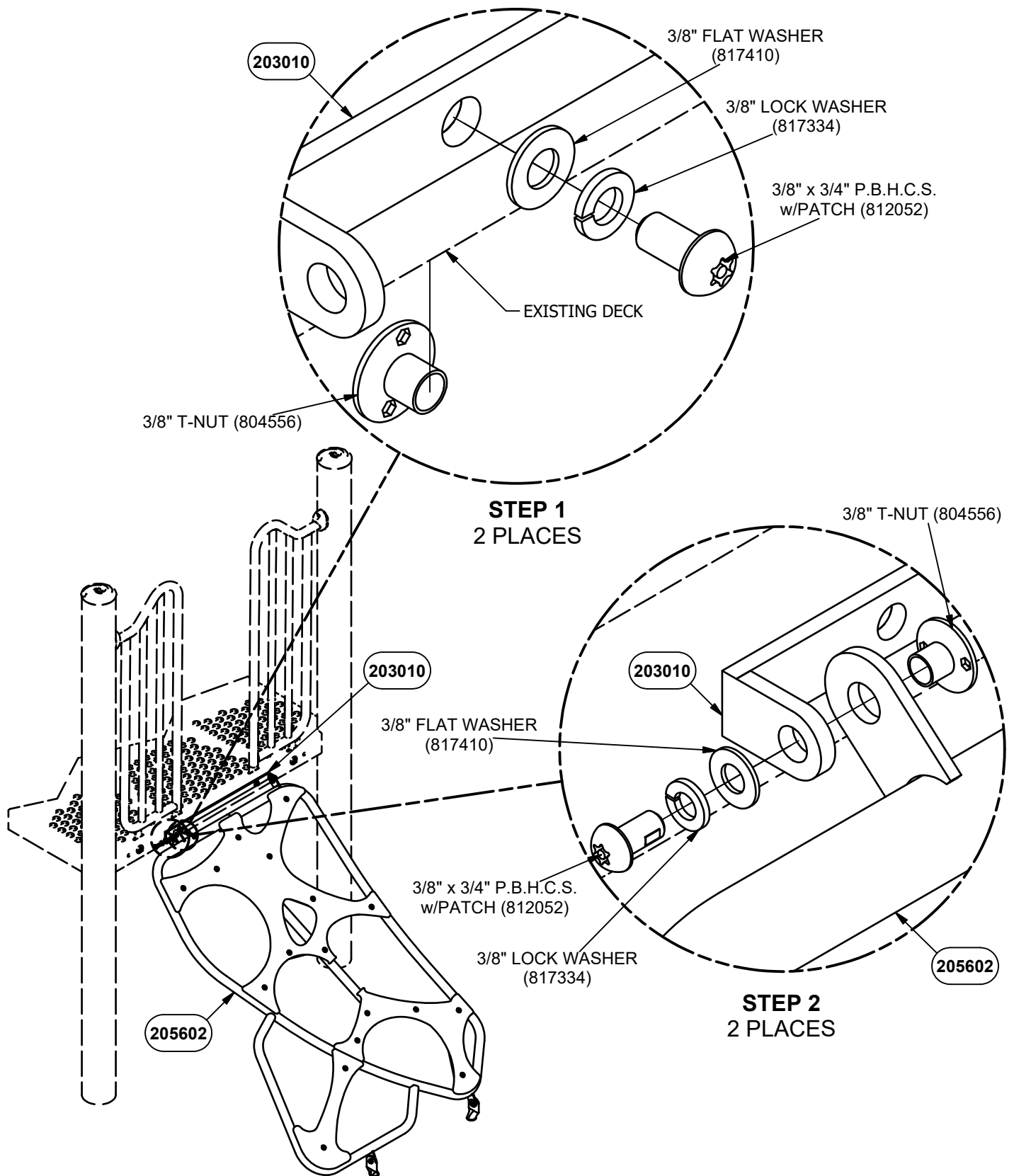
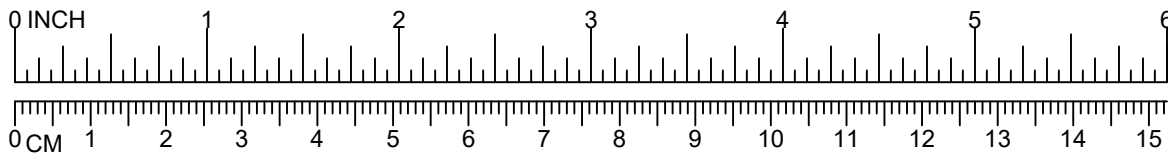


7'-0" VIEW
91109



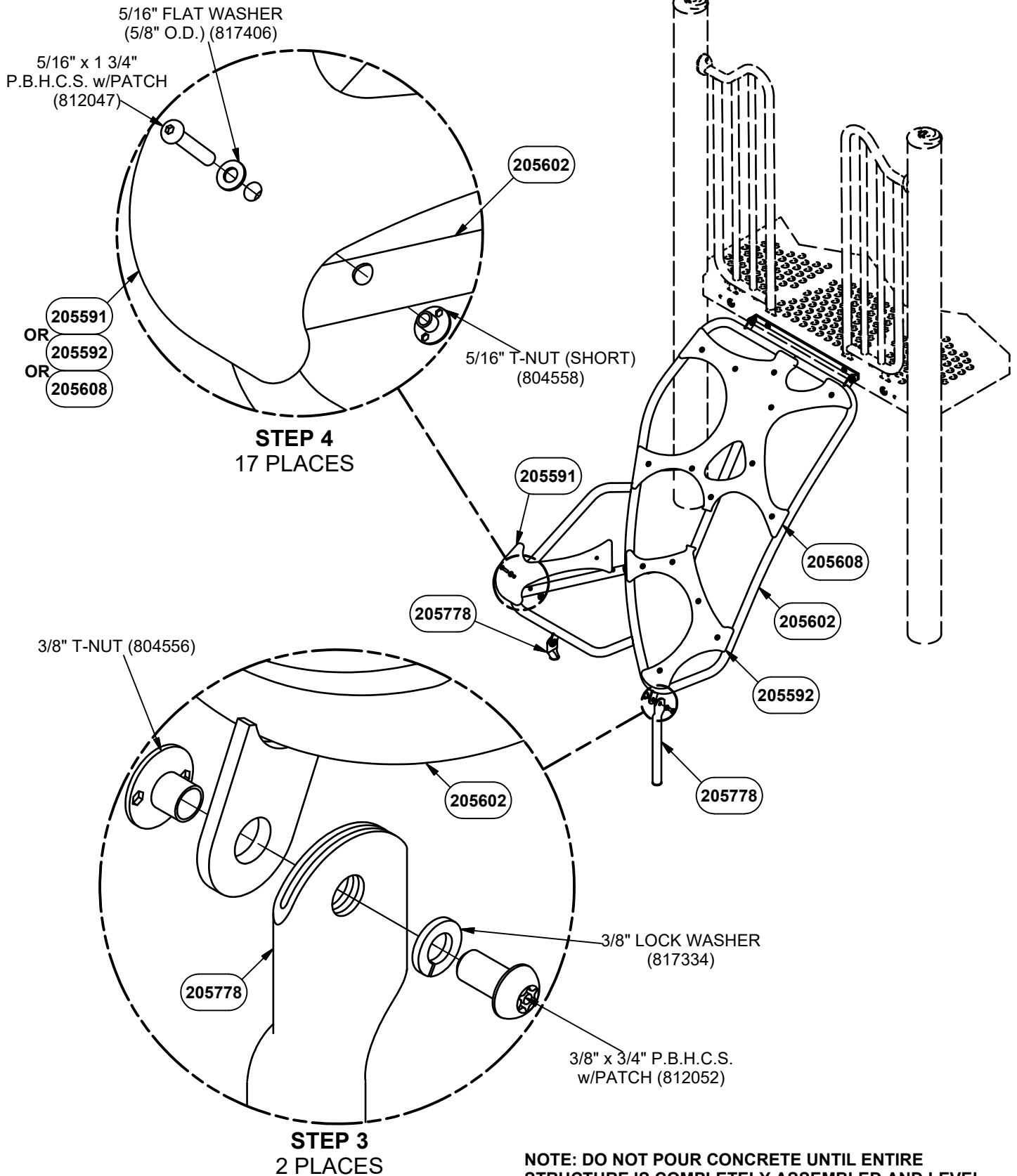
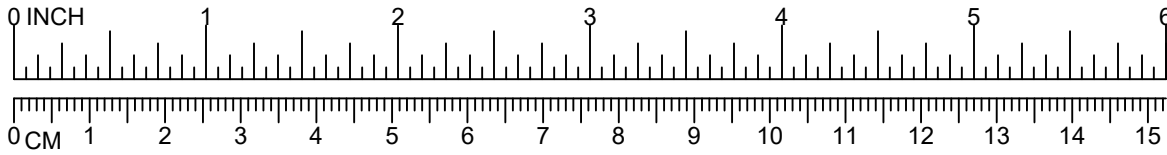
7'-6" VIEW
91109

TOP VIEWS



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	91106	91107	91108	91109	PART NUMBER
CORAL CLIMBER 3D WELD ASS'Y (LARGE)	0	0	1	1	205577
CORAL CLIMBER 3D WELD ASS'Y (SMALL)	1	1	0	0	205602
MOUNTING BRACKET WELD ASS'Y	1	1	1	1	203010
SMASHED FOOTBUCK	0	2	0	2	205596
SMASHED FOOTBUCK	2	0	2	0	205778
CORAL CLIMBER TRIM 1	1	1	1	1	205591
CORAL CLIMBER TRIM 2	1	1	1	1	205592
CORAL CLIMBER TRIM 3	0	0	1	1	205593
CORAL CLIMBER TRIM 4	0	0	1	1	205594
CORAL CLIMBER TRIM 5	1	1	0	0	205608
HARDWARE COMPLETE	1	1	0	0	211239
HARDWARE COMPLETE	0	0	1	1	211240
5/16" x 1 3/4" P.B.H.C.S. w/PATCH	17	17	22	22	812047*
5/16" FLAT WASHER (5/8" O.D.)	17	17	22	22	817406*
5/16" T-NUT (SHORT)	17	17	22	22	804558*
3/8" x 3/4" P.B.H.C.S. w/PATCH	6	6	6	6	812052*
3/8" FLAT WASHER	4	4	4	4	817410*
3/8" LOCK WASHER	6	6	6	6	817334*
3/8" T-NUT	6	6	6	6	804556*

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

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

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

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

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: 10/18/13

91139 ENTRYWAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

BARRIER 91139
GUARDRAIL 91146



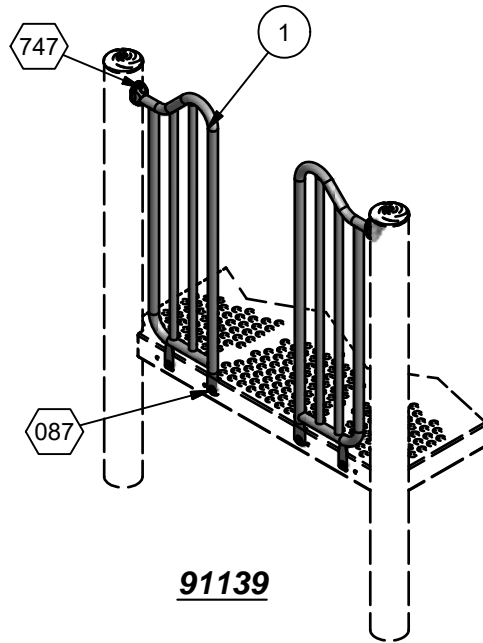
91146
2'-6"
OR
BELOW



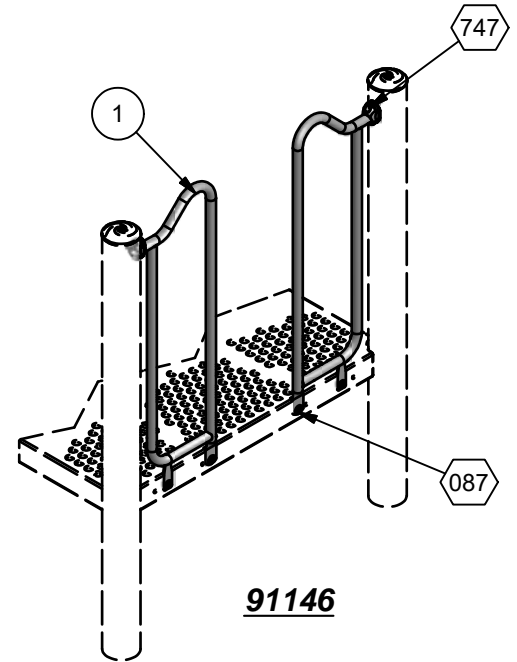
91139



91146
4'-0"
OR
BELOW



91139

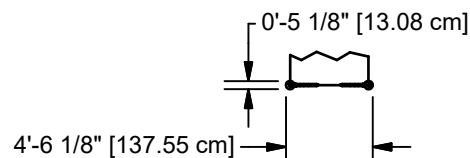


91146

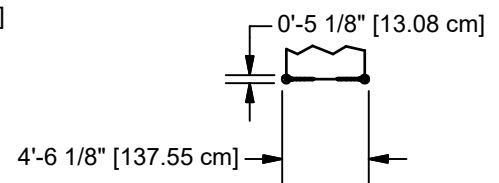
ASSEMBLY VIEWS

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.



91139



91146

TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91139	91146	PART NUMBER
1	ENTRY BARRIER	2	0	206516
1	GUARDRAIL ENTRY	0	2	206002
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	1	206587
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	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*

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.

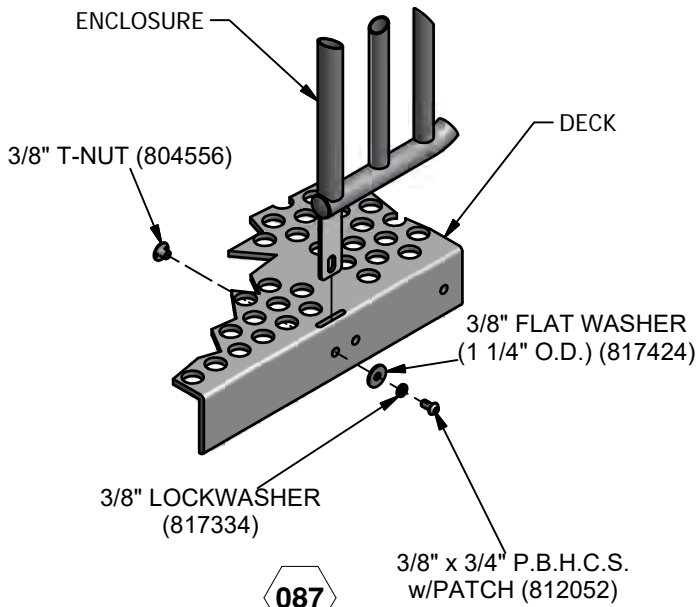
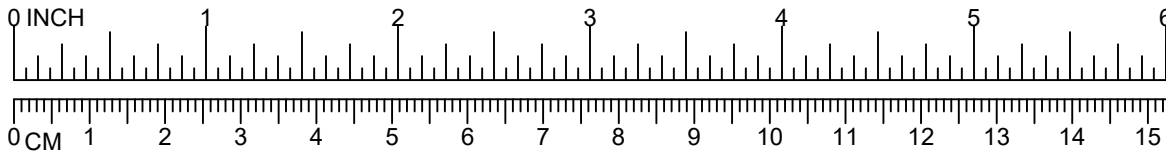
DETAILS -for- 91139 AND 91146

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.

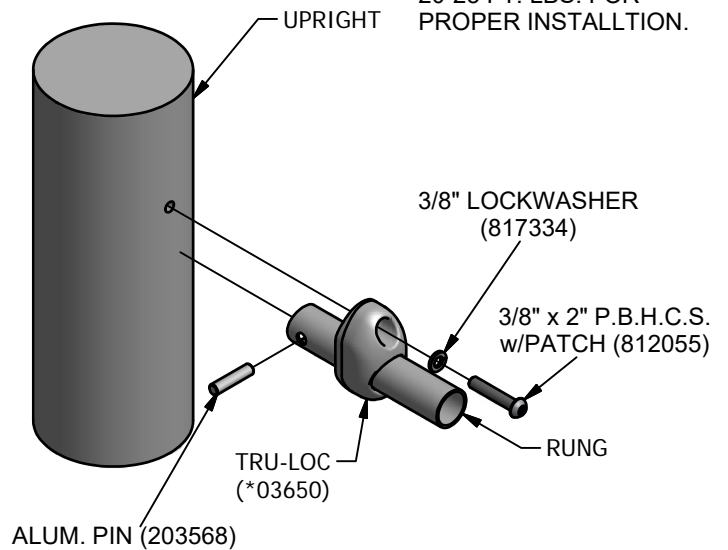
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



(* = A OR Z)

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



747

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

91208 CLIMBER ENTRYWAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



91208
2'-6"
OR
BELOW

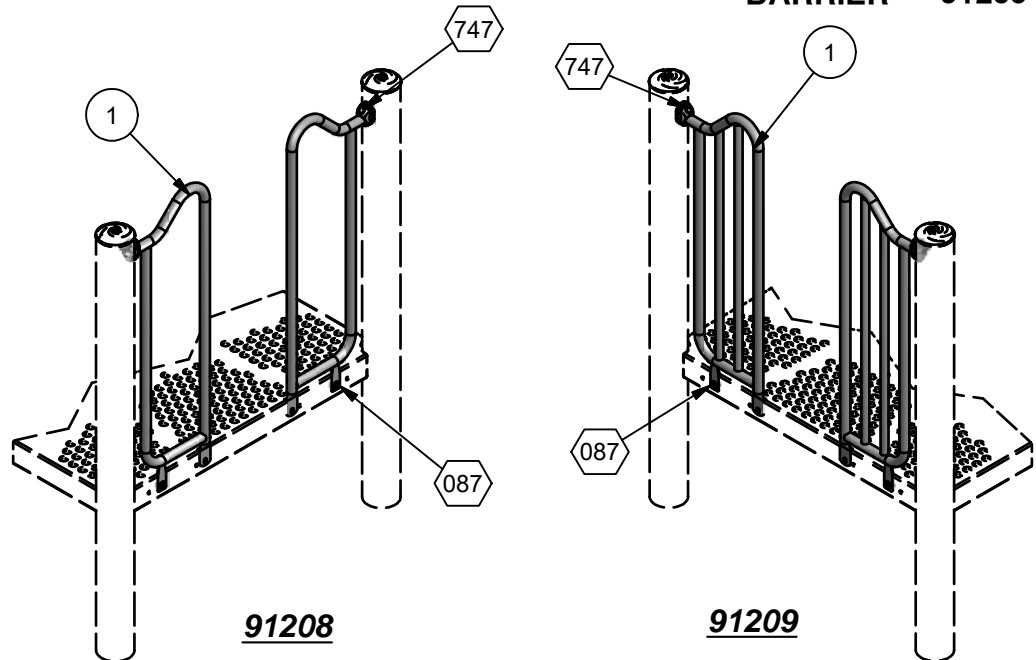


91209



91208
4'-0"
OR
BELOW

GUARDRAIL 91208
BARRIER 91209

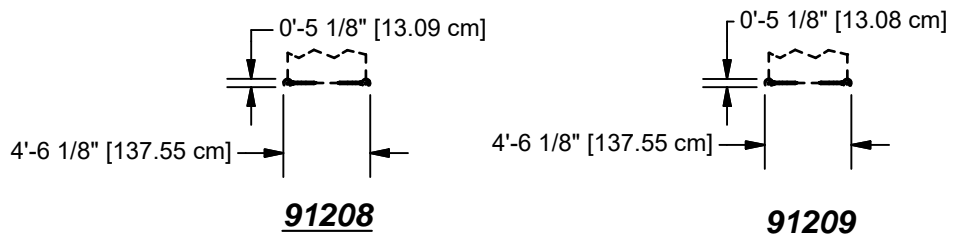


ASSEMBLY VIEWS

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.



TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91208	91209	PART NUMBER
1	GUARDRAIL ENTRY	2	0	206002
1	ENTRY BARRIER	0	2	206516
	TRU-LOC	2	2	A03650
	HARDWARE COMPLETE	1	1	207039
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	4	817334*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	812052*
	3/8" T-NUT	2	2	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*

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.

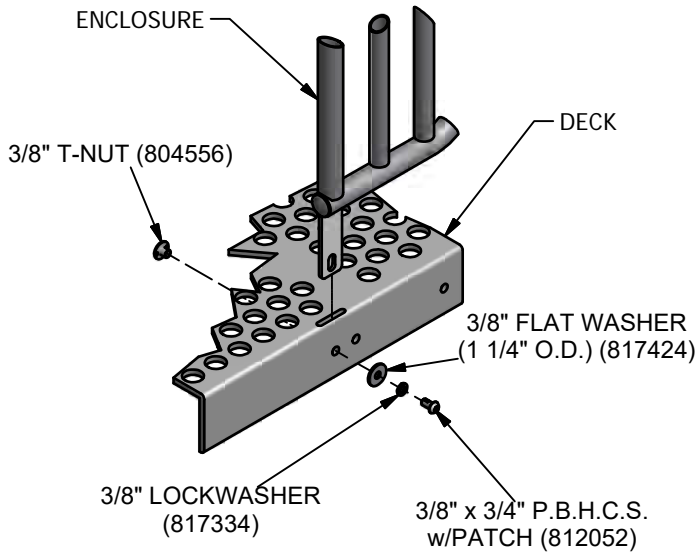
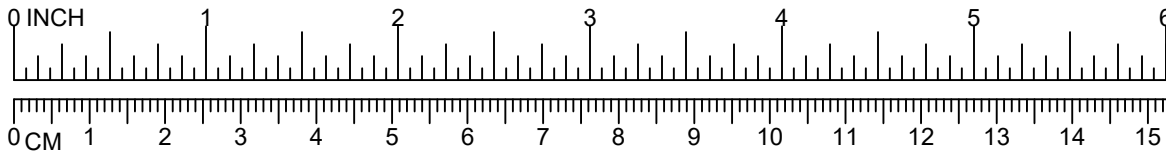
DETAILS -for- 91208 AND 91209

IMPORTANT

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

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

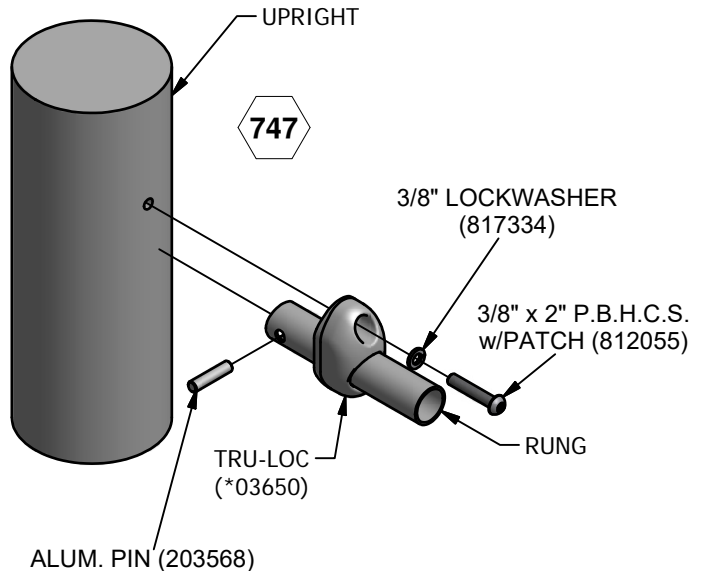
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

087

(* = A OR Z)



PowerScape®



GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 3/26/2015

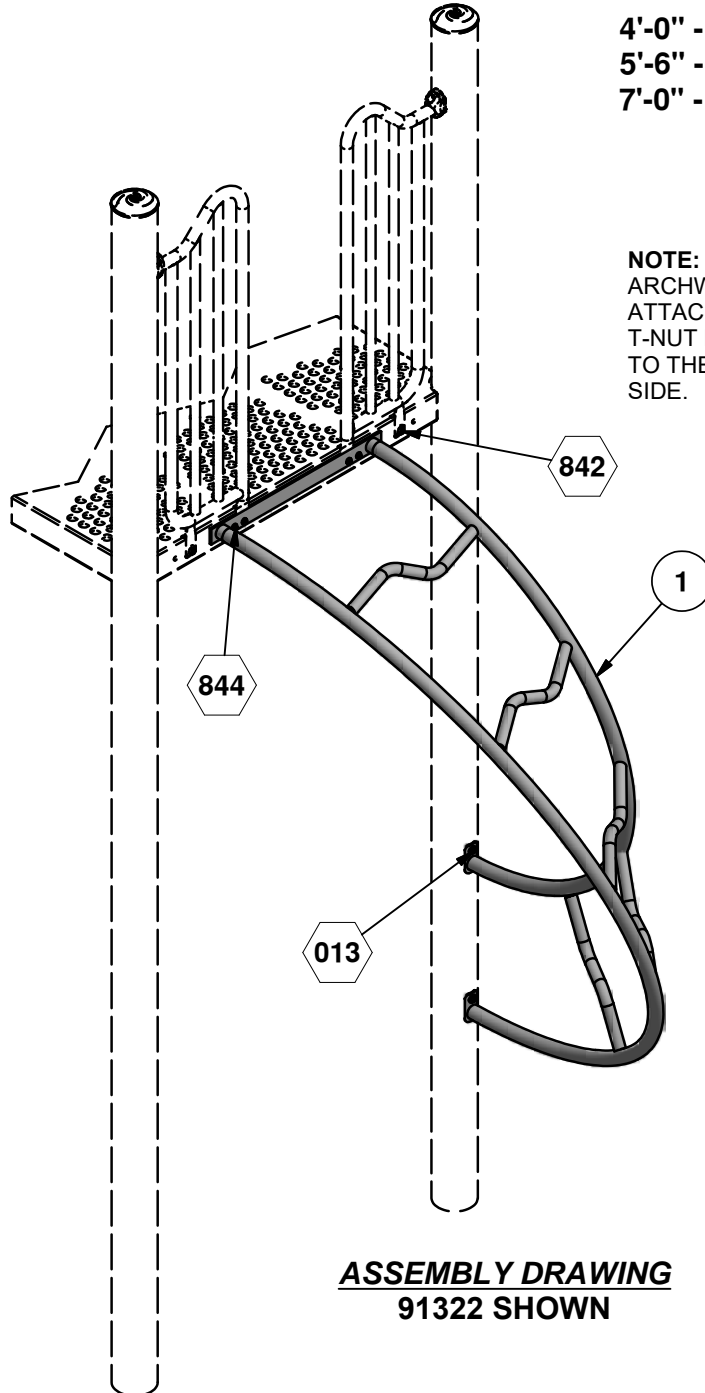
91321 ERRATIC CLIMBER

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



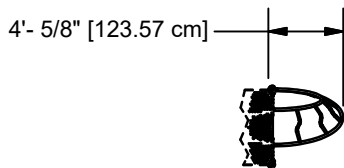
NOTE: ENTRYWAY OR ARCHWAY MUST BE ATTACHED FIRST. T-NUT MUST ATTACH TO THE DECK FACE SIDE.



INSTALLATION INSTRUCTIONS

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
91322 SHOWN**



TOP VIEW

Parts List					
REF	DESCRIPTION	91321	91322	91323	PART NUMBER
1	ERRATIC WELD ASS'Y	0	0	1	209224
1	ERRATIC WELD ASS'Y	0	1	0	209218
1	ERRATIC WELD ASS'Y	1	0	0	209210
	HARDWARE COMPLETE	1	1	1	209234
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	4	4	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 (1 1/4" O.D.	2	2	2	817424*
	3/8" LOCKWASHER	6	6	6	817334*
	3/8" T-NUT	4	4	4	804556*

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

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

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

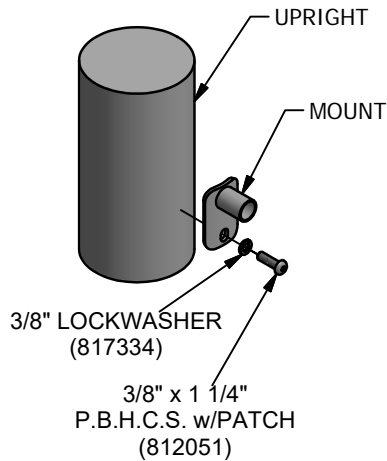
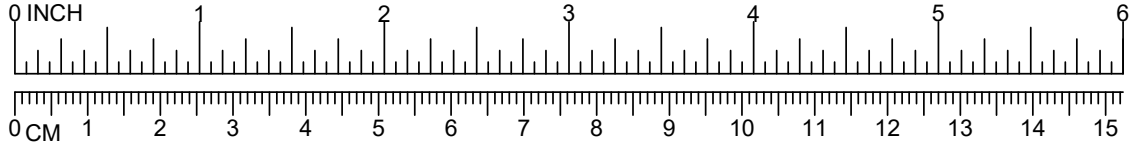
DETAILS -for- 91321, 91322 & 91323

IMPORTANT

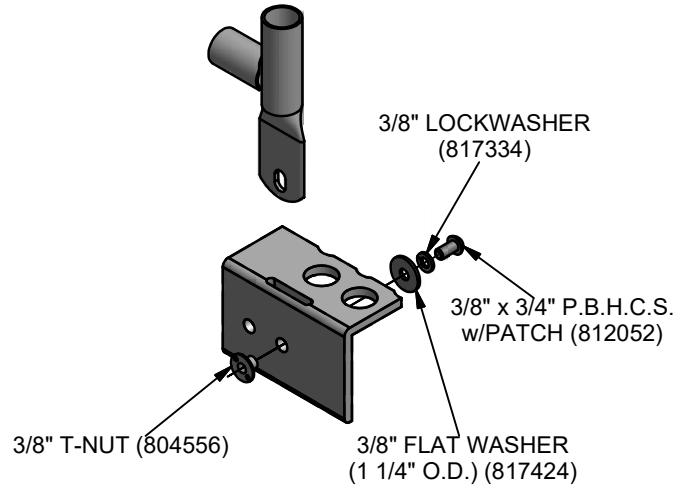
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

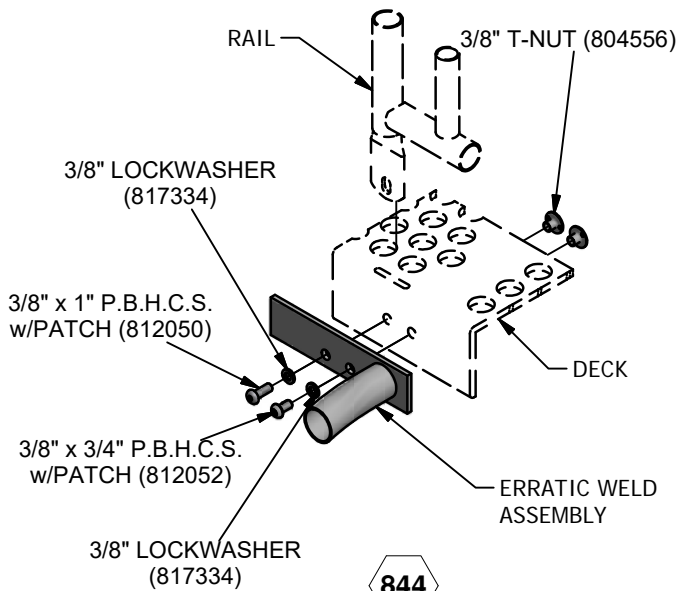
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



013



842



844

PowerScape®

GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/13/2020

91523 RIPPLE PASS LINK

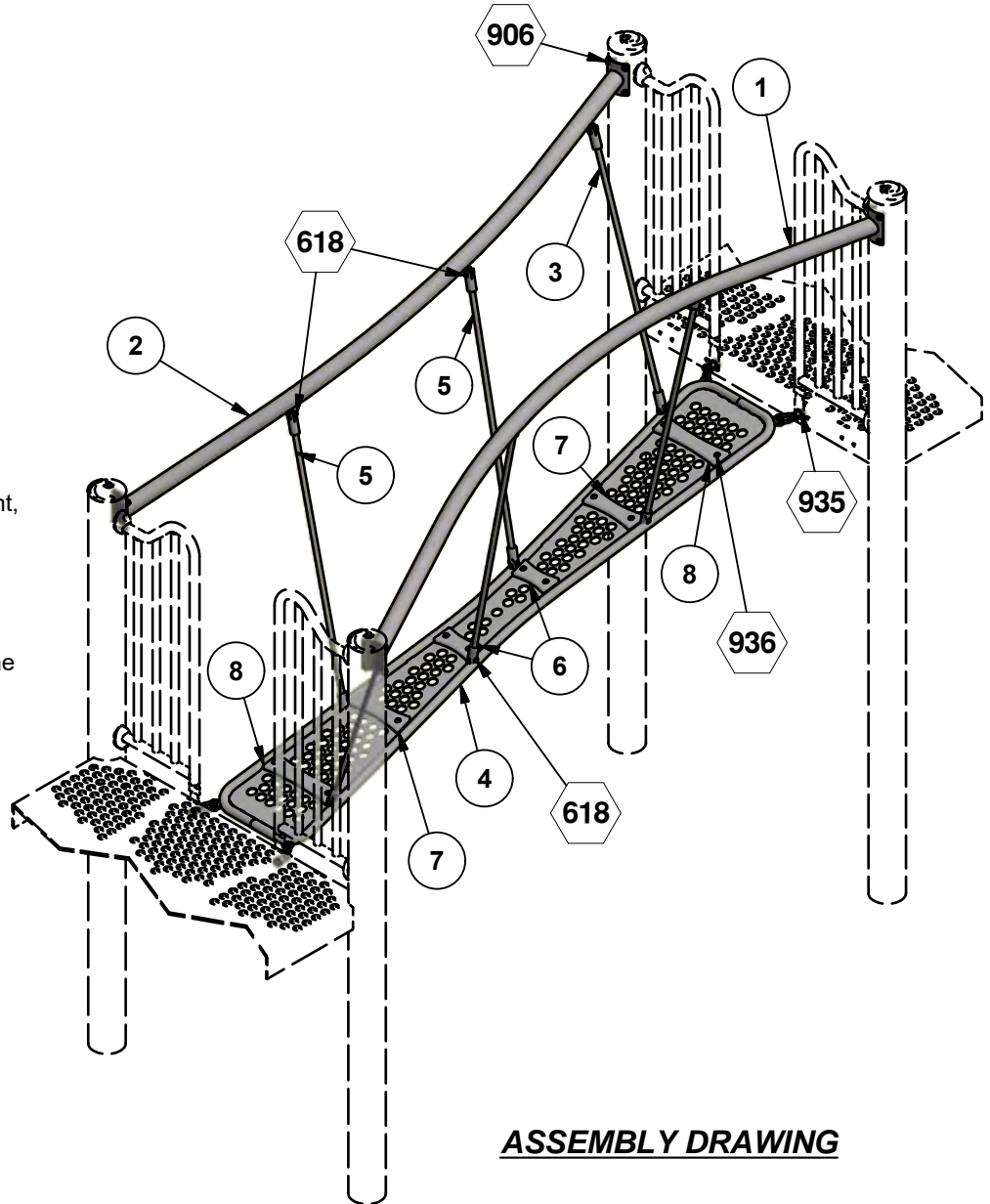
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE

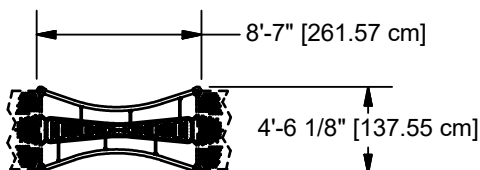


INSTALLATION INSTRUCTIONS

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

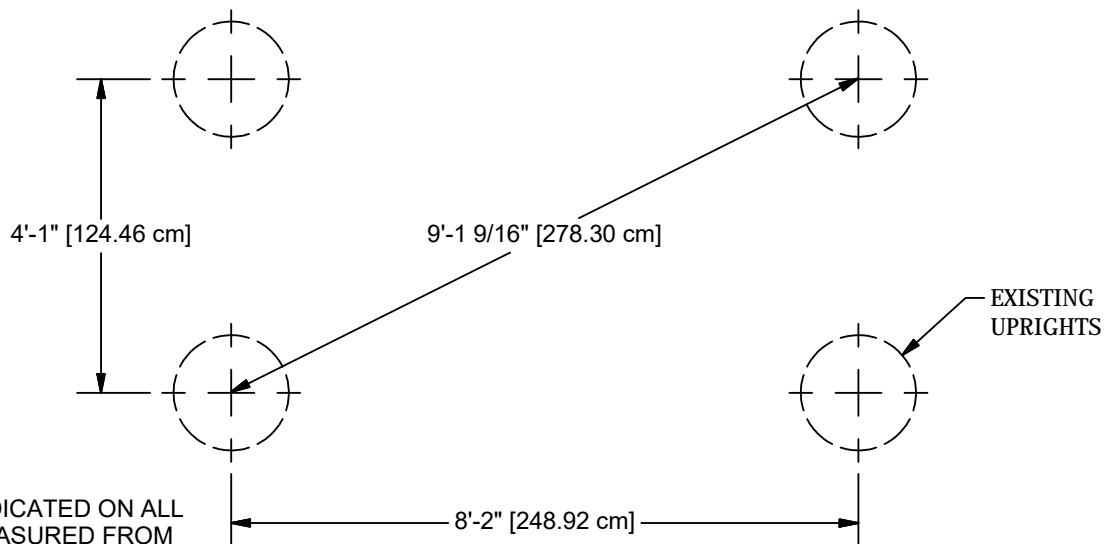
Parts List			
REF	DESCRIPTION	QTY	PART NUMBER
1	TOP RAIL WELD ASSEMBLY	1	218039
2	TOP RAIL WELD ASSEMBLY	1	217915
3	CABLE ASSEMBLY	2	217970
4	RIPPLE WALK WELD ASSEMBLY	1	218351
5	CABLE ASSEMBLY	4	217916
6	SHORT HDPE SLAT	2	218345
7	HDPE SLAT	2	218346
8	LONG HDPE SLAT	2	218347
	HARDWARE COMPLETE	1	217955
	1/4" BARREL NUT	12	804809*
	5/16" x 5/8" BUTTON HEAD SHOULDER BOLT	12	802742*
	5/16" x 3/4" P.B.H.C.S. w/PATCH	12	812040*
	5/16" LOCK WASHER	24	817330*
	5/16" FLAT WASHER (5/8" O.D.)	12	817406*
	NUT 5/16"- INSERT TYPE 1	12	HWN0149*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	16	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053*
	3/8" LOCK WASHER	20	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
	3/8" FLAT WASHER	16	817410*
	3/8" PLASTIC SPACER	8	817613*
	D SHACKLE w/NO-SNAG PIN	4	161853*
	3/8" EYE NUT	4	804780*

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

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

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

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



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

GROUND PLAN

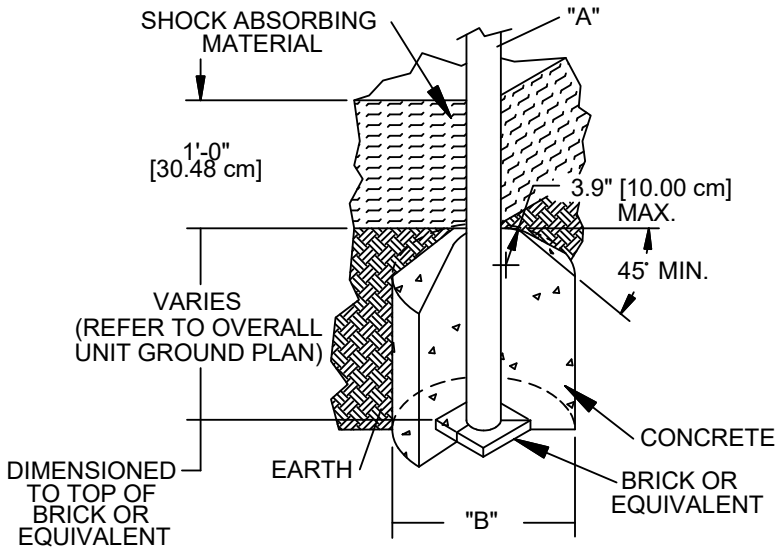
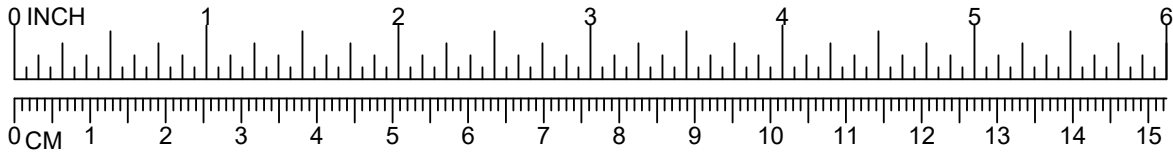
DETAILS -for- 91523

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.



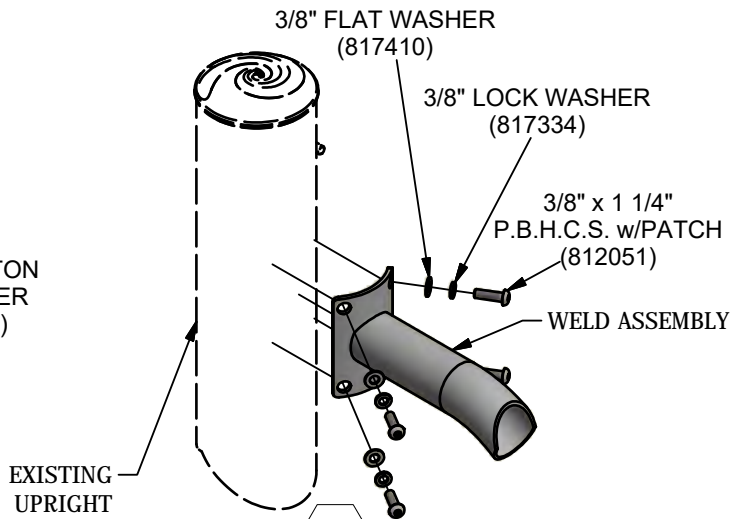
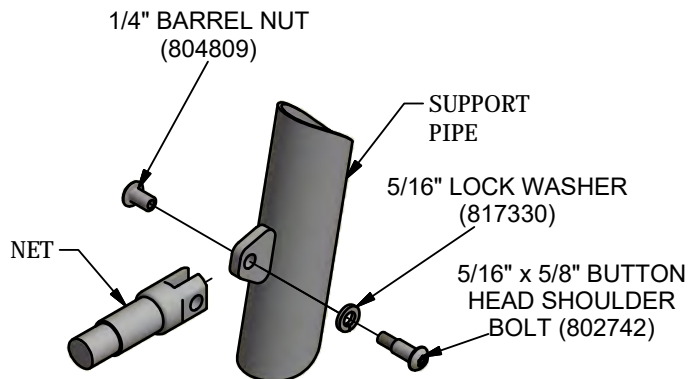
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



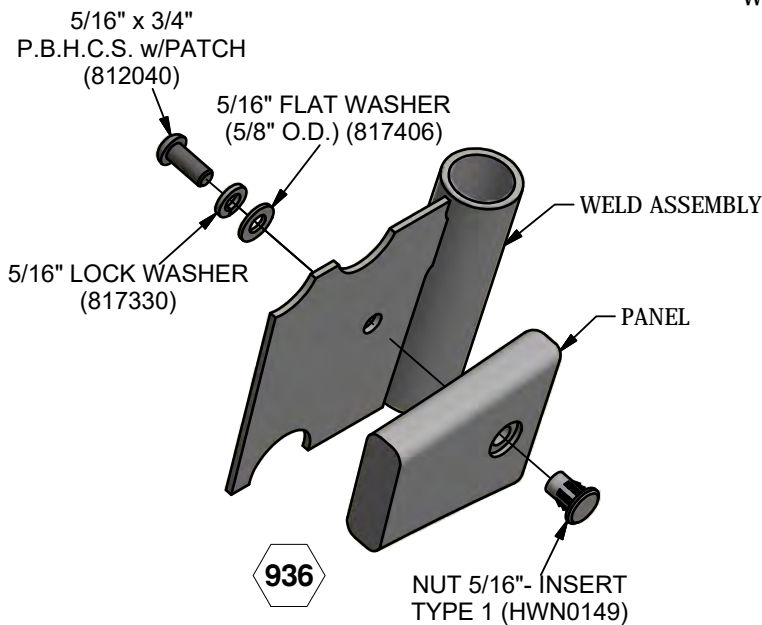
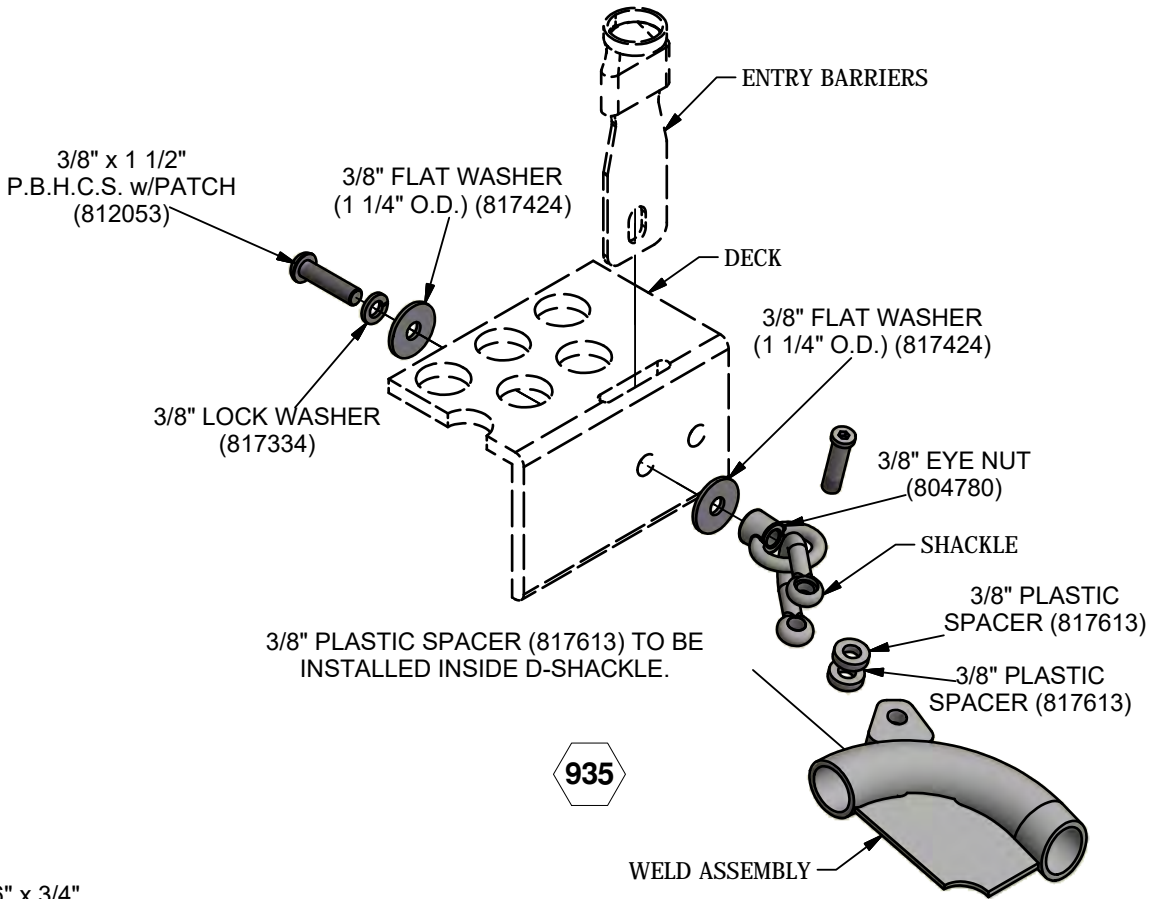
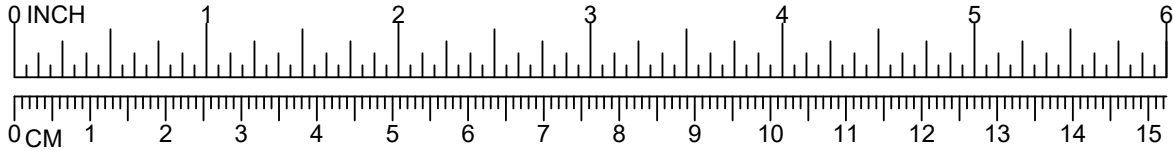
DETAILS -for- 91523

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.



APPENDIX A:

Swallowtail Park

**PLAYGROUND EQUIPMENT MANUFACTURER'S
INSTALLATION INSTRUCTIONS**

INFORMATION
MINIMUM FALL ZONE
SURFACED WITH
RESILIENT MATERIAL
AREA

2634 SQ.FT.

PERIMETER
413 FT.

STRUCTURE SIZE
52' 10" x 74' 11"

STRUCTURE IS DESIGNED
FOR CHILDREN AGES:

- 6-23 MONTH OLDS
- 2-5 YEAR OLDS
- 5-12 YEAR OLDS
- 13 + YEAR OLDS



Registered
to ISO 9001

Registered
to ISO 14001

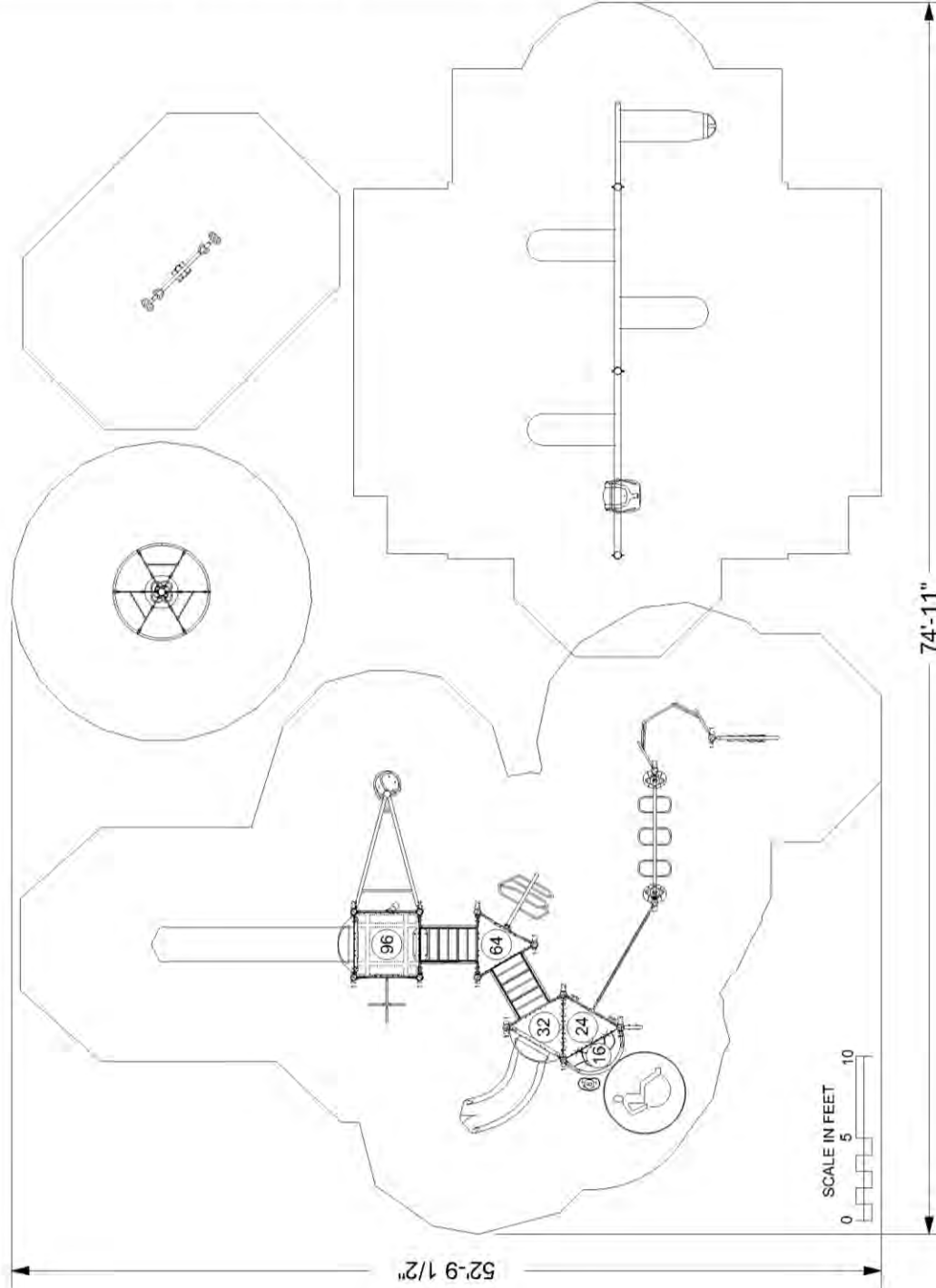


To verify product certification,
visit www.ipema.org

The play components identified
in this plan are IPEMA
certified. The use and layout of
these components conform to the
requirements of ASTM F1487.
To verify product certification,
visit www.ipema.org

The space requirements shown
here are to ASTM standards.
Requirements for other standards
may be different.

The use and layout of play
components identified in this plan
conform to the CPSC guidelines.
U.S. CPSC recommends the
separation of age groups in
playground layouts.



WARNING!

ACCESSIBLE SAFETY SURFACING MATERIAL IS REQUIRED BENEATH
AND AROUND THIS EQUIPMENT.
FOR SLIDE FALL ZONE SURFACING AREA SEE CPSC's Handbook for
Public Playground Safety.
PLATFORM HEIGHTS ARE IN INCHES ABOVE RESILIENT MATERIAL

ADA ACCESSIBILITY GUIDELINE (ADAAG CONFORMANCE)

NUMBER OF PLAY EVENTS	21	REQD: 0
NUMBER OF ELEVATED PLAY EVENTS	6	REQD: 0
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP	PROVIDED: 0	REQD: 6
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY TRANSFER SYSTEM	PROVIDED: 6	REQD: 3
NUMBER OF ELEVATED PLAY EVENTS ACCESSIBLE BY RAMP OR TRANSFER SYSTEM	PROVIDED: 15	REQD: 2
NUMBER OF GROUND LEVEL PLAY EVENTS	PROVIDED: 9	REQD: 2



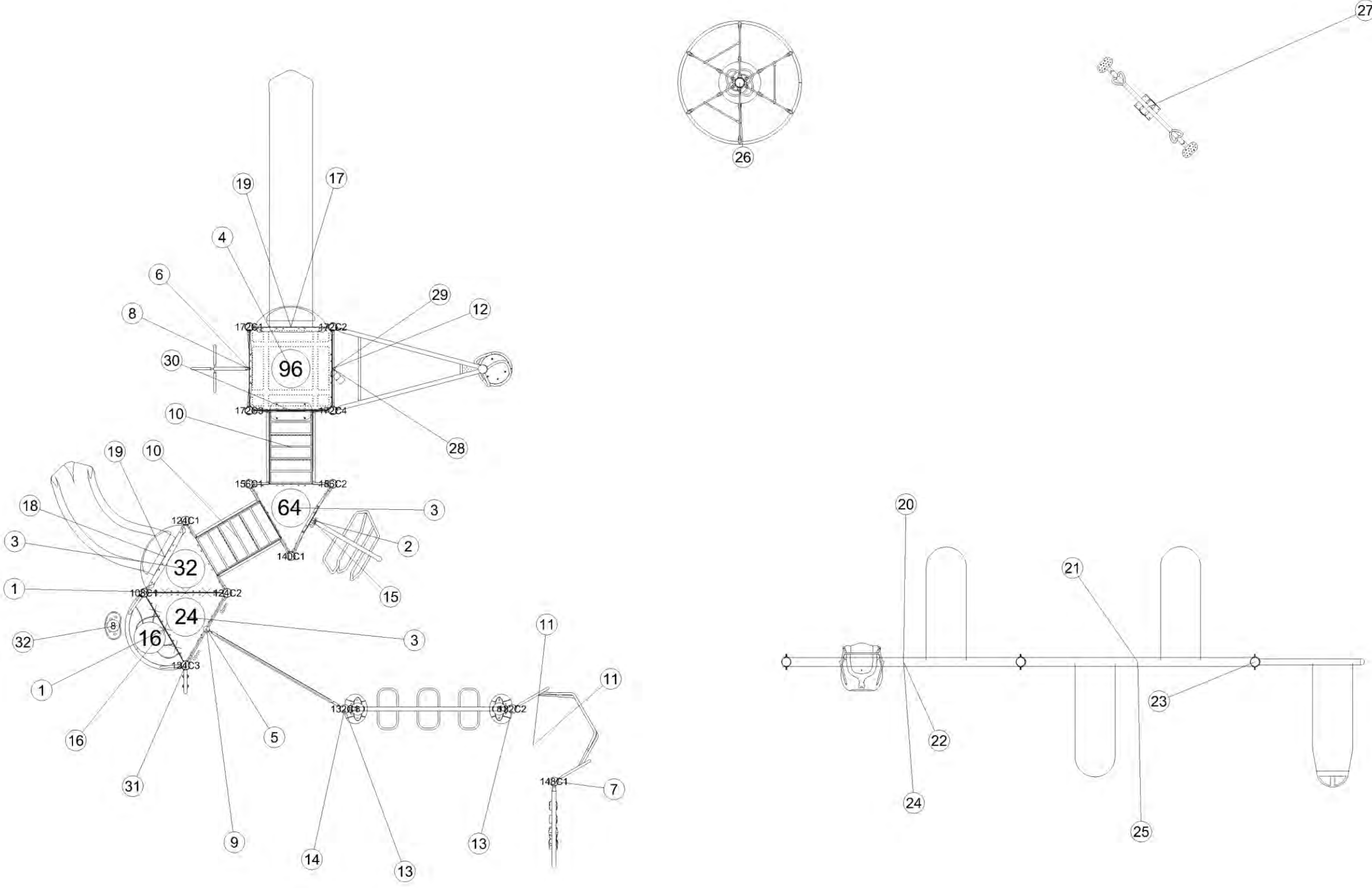
SERIES: Basics, Intensity, Nucleus
SITE PLAN
DRAWN BY: Joel Schleis

Swallowtail Park
901 Swallowtail Dr
Madison, WI 53717

February 11, 2021

Lee Recreation, LLC
142-135322-4

ITEM	COMP.	DESCRIPTION
1	270-0009	8" CLOSURE PLATE, ELLIPSE
2	270-0112	UNITARY ENCLOSURE
3	270-0129	TRIANGLE PLATFORM
4	270-0130	SQUARE PLATFORM
5	270-0266	CENTER MOUNT ENCLOSURE
6	270-0286	NUCLEUS STANCHION
7	370-0020	ACTIVE APEX, (STEEL)
8	370-0113	LINKING RING CLIMBER 80"-96"
9	370-0171	TRANGO CLIMBER, CENTER MO
10	370-0468	32" TRANSITION STAIR W/BARRI
11	370-0763	ODYSSEY DECK LINK
12	370-1581	SPINNER, FIERCE CYCLONE
13	370-1608	OVISTEP LAUNCH PAD
14	370-1610	ATHLETIC ARCH OH
15	370-1641	VERVE XS CLIMBER 64" DK
16	470-0075	CRESCENT PLATFORM
17	470-0758	VELO XL SLIDE, 88"-96" W/O HOO
18	470-0802	MONACO SLIDE, 32"-40"
19	470-0804	SLIDE HOOD, LOW SIDE WALL
20	550-0111	BELT SEAT, 8' SINGLE, STD CHAI
21	550-0112	BELT SEAT, 8' PAIR, STD CHAIN
22	550-0171	FREEDOM SWING SEAT, 8' BEAM
23	550-0183	TOT BAY, ADD-ON, GALV CHAIN
24	550-0201	SINGLE POST SWING ASSEMBLY
25	550-0202	SINGLE POST SWING ADD-ON 5'
26	560-2610	SPINETIC W/ SPEED LIMITER
27	570-0054	STANDING ROCKER
28	570-0394	PIPE WALL
29	570-0516	TELESCOPE ASSEMBLY
30	570-0557	COUNTER PANEL, BELOW PLATF
31	570-0717	RAINDROPS ACTIVITY PANEL
32	580-1364	LIL NOVO BEAN STEP



Burke

SERIES: Basics, Intensity, Nucleus
 COMPONENT PLAN
 DRAWN BY: Joel Schleis

BCI Burke Company, LLC PO Box 549 Fond du Lac, Wisconsin 54936-0549 Telephone 920-921-9220

Swallowtail Park
 901 Swallowtail Dr
 Madison, WI 53717

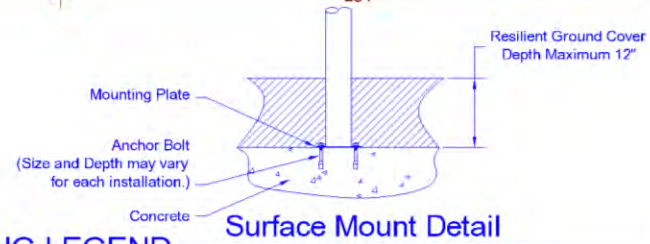
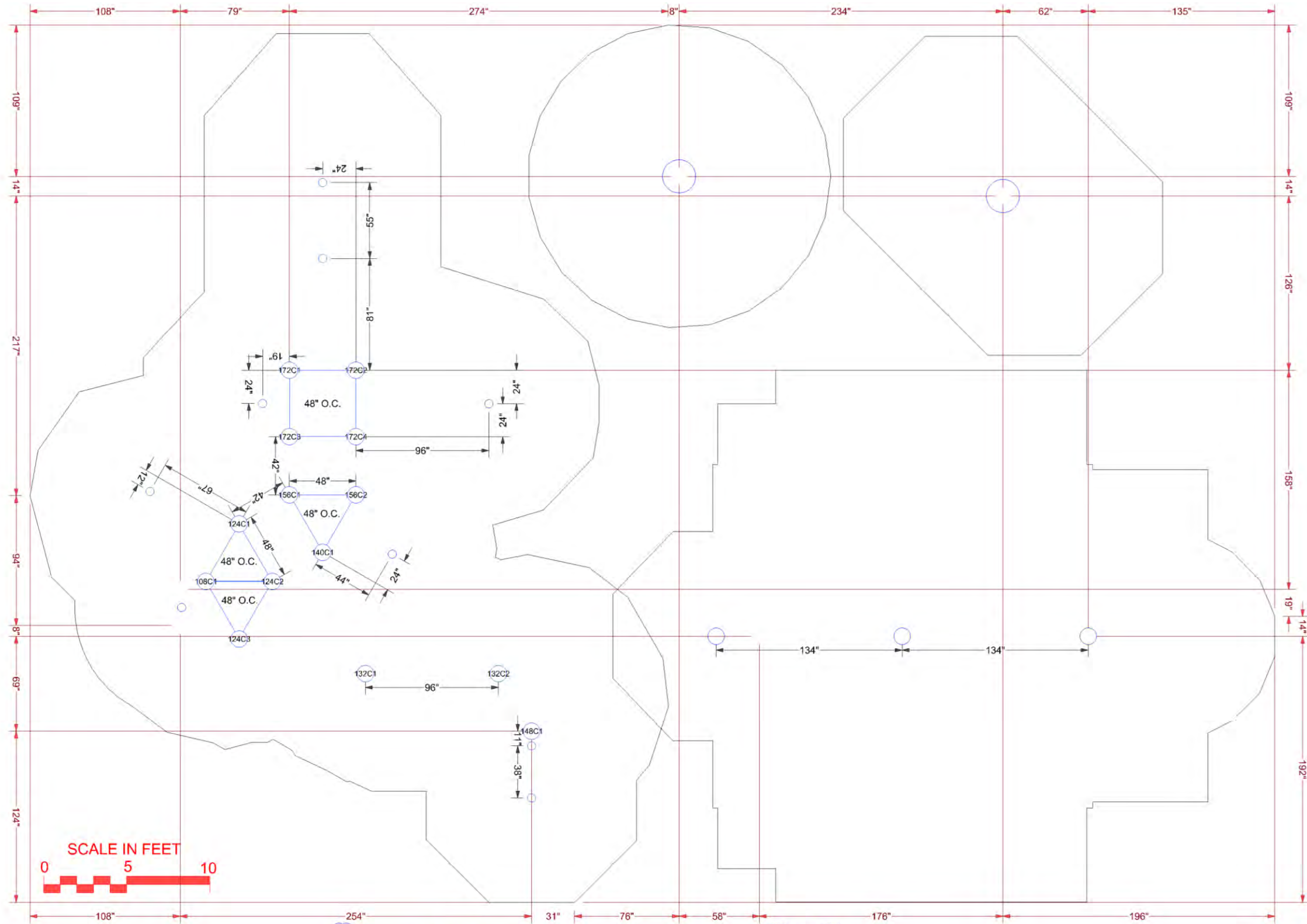
Lee Recreation, LLC
 142-135322-4

April 14, 2021

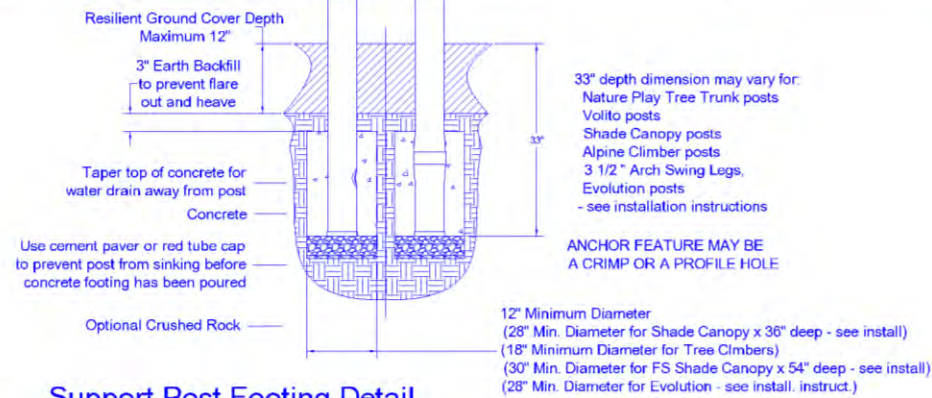


- FOOTING LEGEND**
- A1 Support Post Identifier & Footing
 - NP1 Nature Play Tree House Post Identifier
 - Component Footing

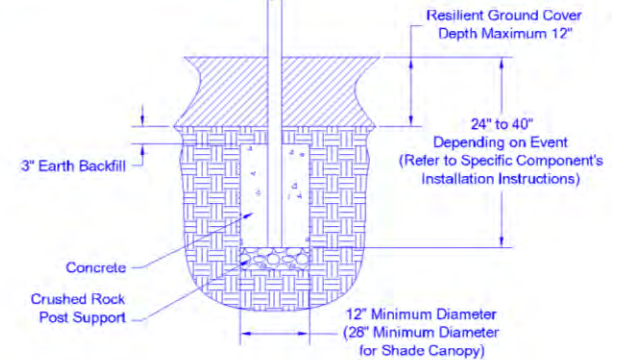
NOTES:
 1.) Dimensions are for locations for footing holes, not exact placement of equipment.
 2.) Assemble, plumb, and level equipment before pouring concrete.



Surface Mount Detail



Support Post Footing Detail



Component Footing Detail

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
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

TABLE OF CONTENTS

INTRODUCTION	4
SUPERVISION	5
PRE-INSTALLATION GUIDELINES	6
GENERAL INSTALLATION GUIDELINES.....	7
TYPICAL CONCRETE FOOTINGS.....	10
RESILIENT SURFACING MATERIAL.....	13
ASTM REQUIREMENTS FOR FASTENING DEVICES	16
WARNING AND MANUFACTURER LABELS	17
INSPECTION CHECKLIST.....	20
MAINTENANCE.....	21
SUGGESTED PUBLIC PLAYGROUND LEADERS CHECKLIST	36
BCI BURKE WARRANTY	37
APPENDIX.....	40
BCI BURKE HARDWARE.....	41
INSTALLATION INSTRUCTIONS (NUMERICAL ORDER BY COMPONENT NUMBER).....	46

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

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

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.

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

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 designation.
2. The letter designation for the upright posts can also be found on the packaging of each post and there is a chart for reference located in the Appendix of this manual starting on page 33.
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.**
7. 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.

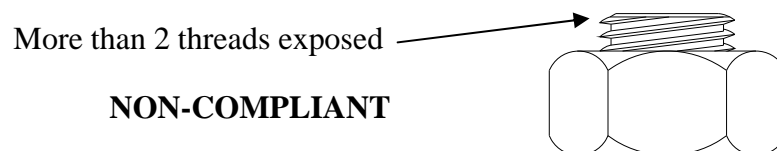


Figure 1: Thread Protrusion

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

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

GENERAL INSTALLATION GUIDELINES

8. 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.
9. 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.
10. 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.
11. 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
12. 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.

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.

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

GENERAL INSTALLATION GUIDELINES

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.

1/4"-20	100 in-lb
5/16"-18	140 in-lb
3/8"-16	250 in-lb
7/16"-20	400 in-lb

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).



NO IMPACT WRENCHES

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.

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.bciurke.com

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.**

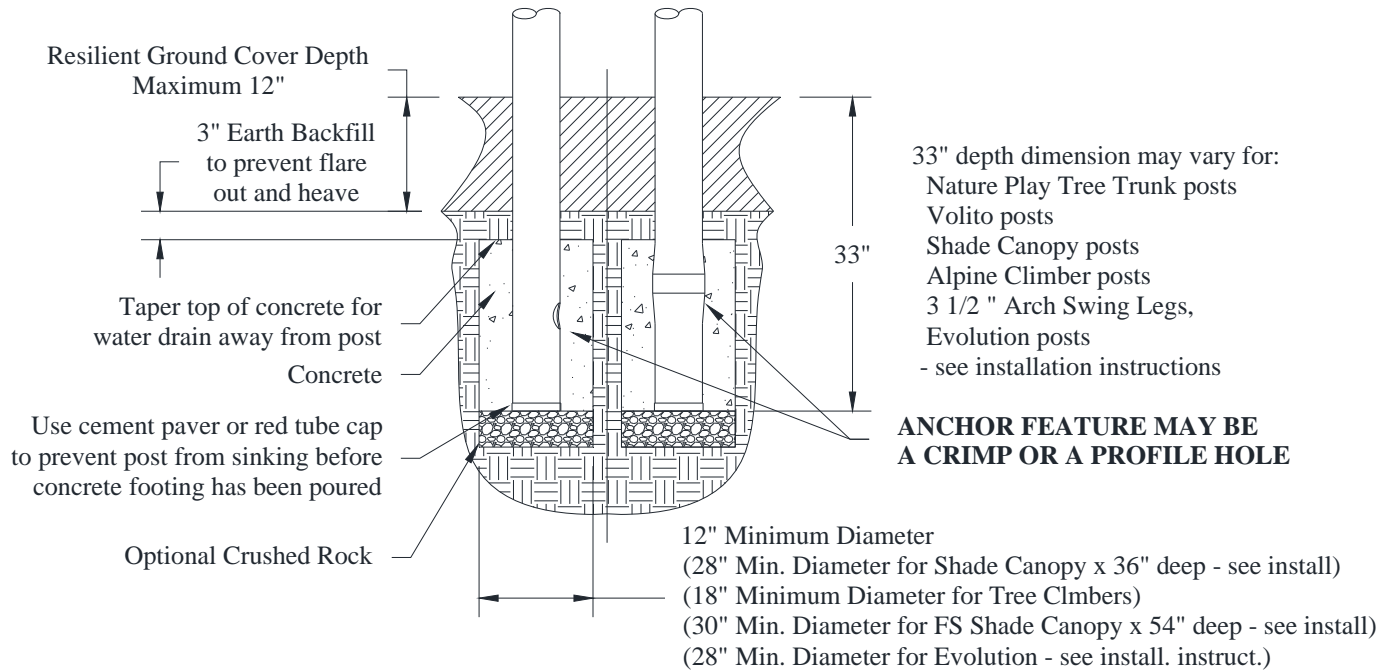


Figure 2: Support Post Footing Detail

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.

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

TYPICAL CONCRETE FOOTINGS

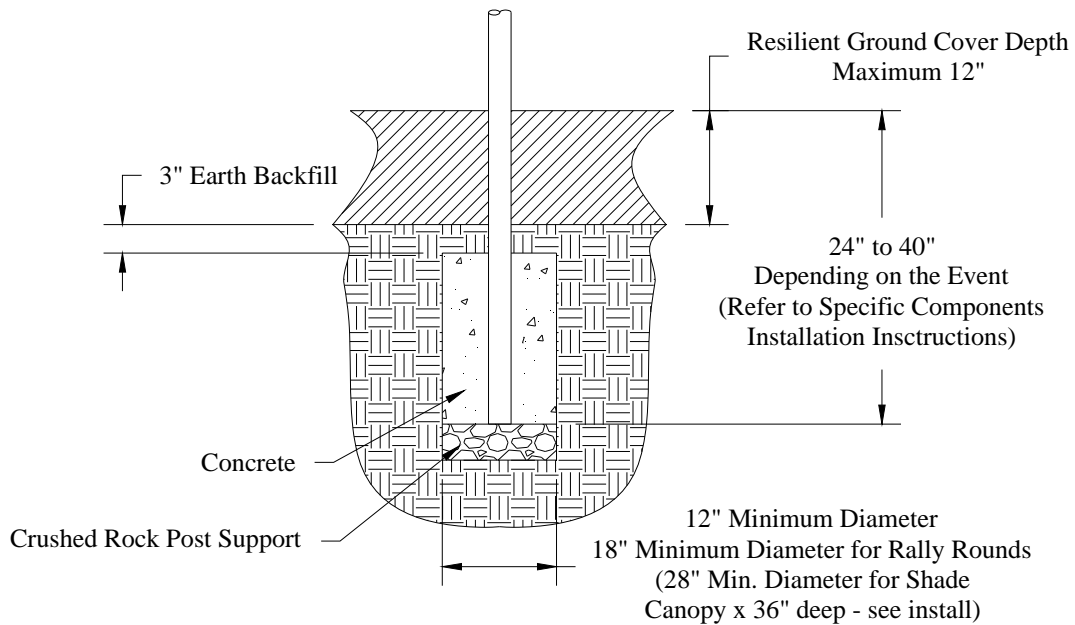


Figure 3: Play Event Footing Detail

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)

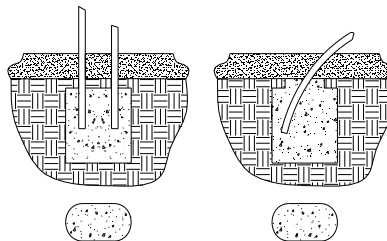


Figure 4: Optional Play Event Footing

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.

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.bciurke.com

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.

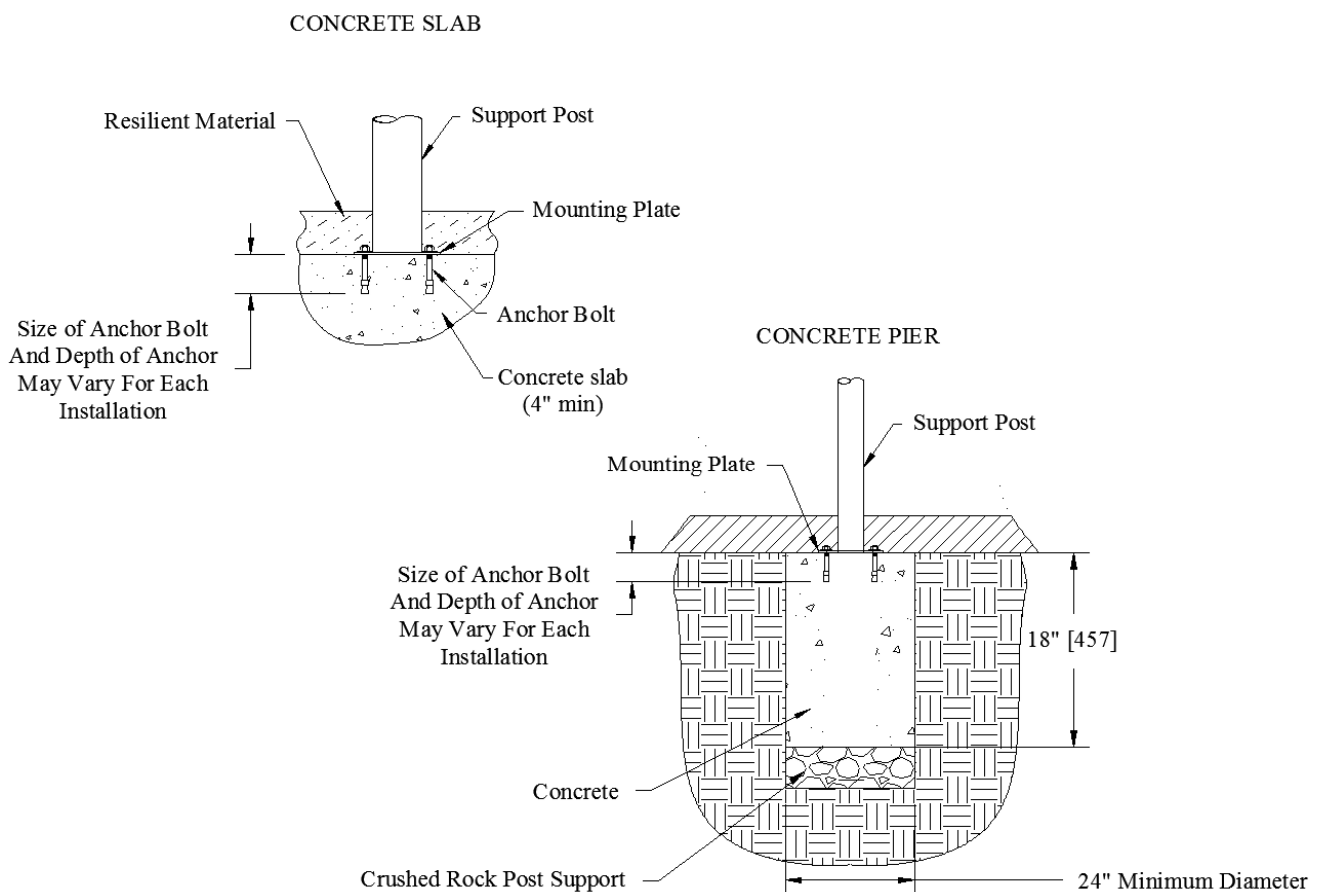


Figure 5: Surface Mount Detail

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.

BCI Burke Company, LLC

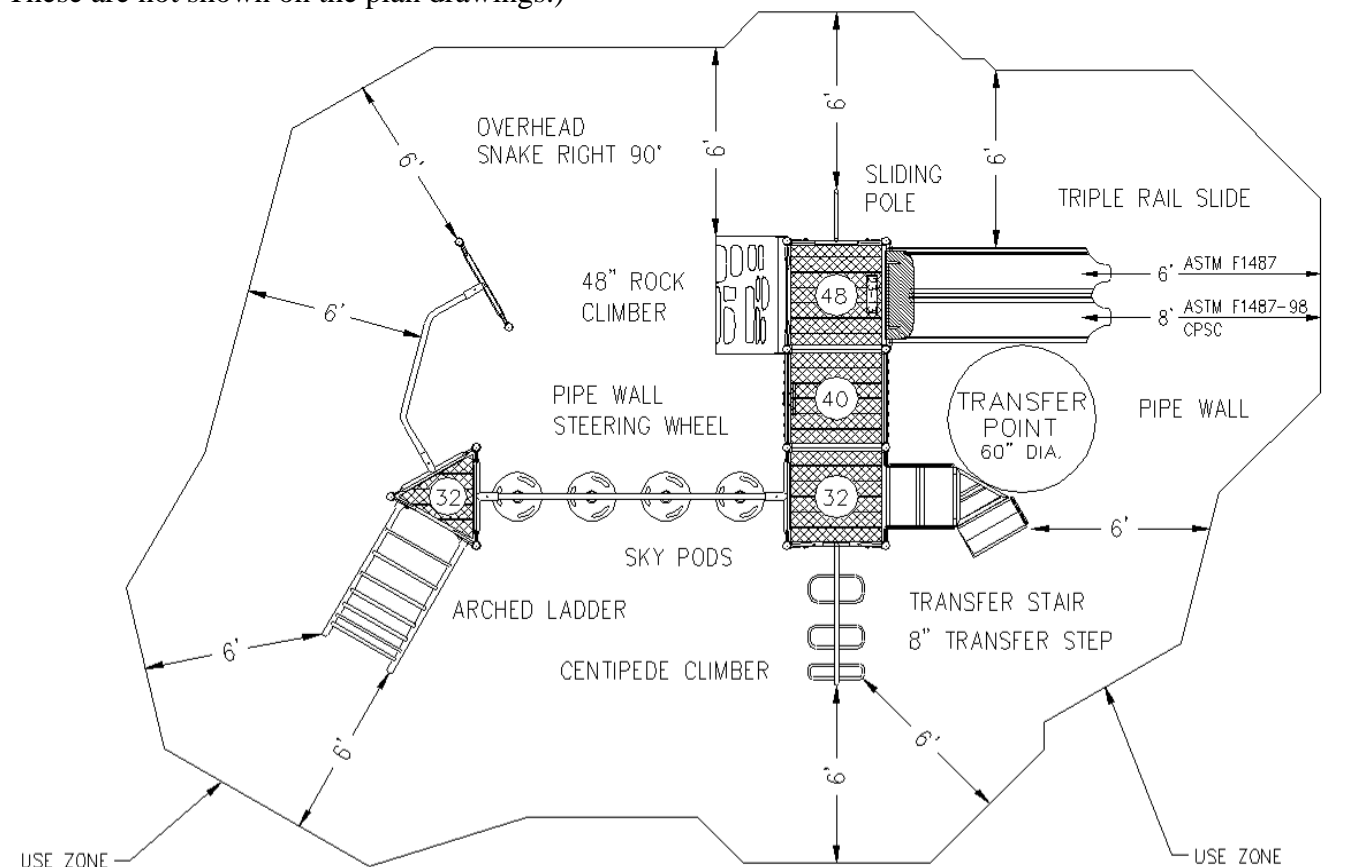
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

www.bciburke.com

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.)



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

**Figure 6: Sample Site Plan Drawing
RESILIENT SURFACING MATERIAL**

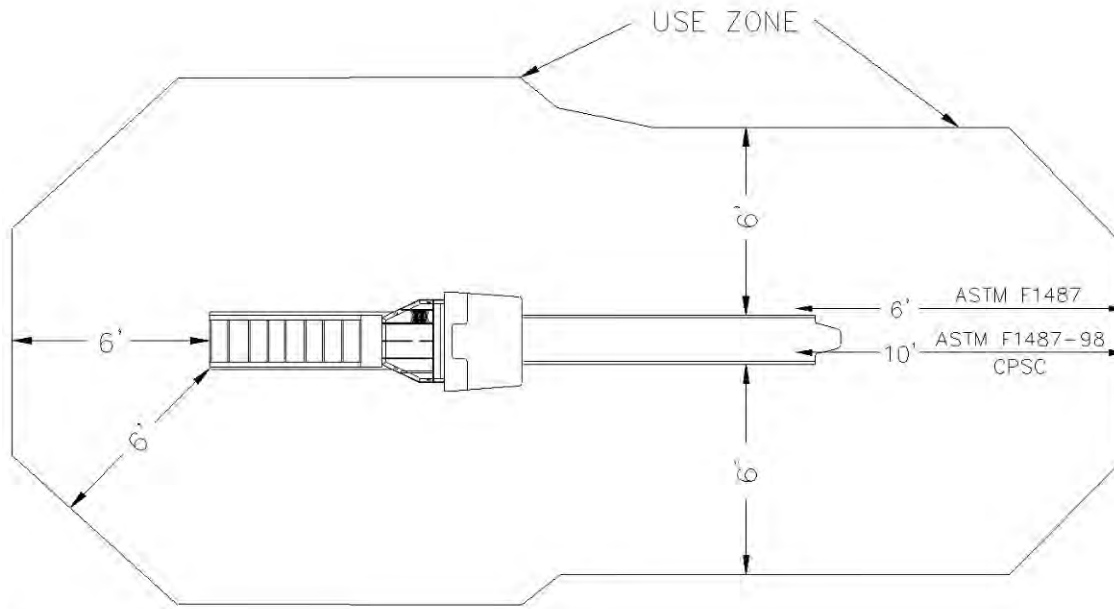


Figure 7: Use Zone for Slides

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).

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

RESILIENT SURFACING MATERIAL

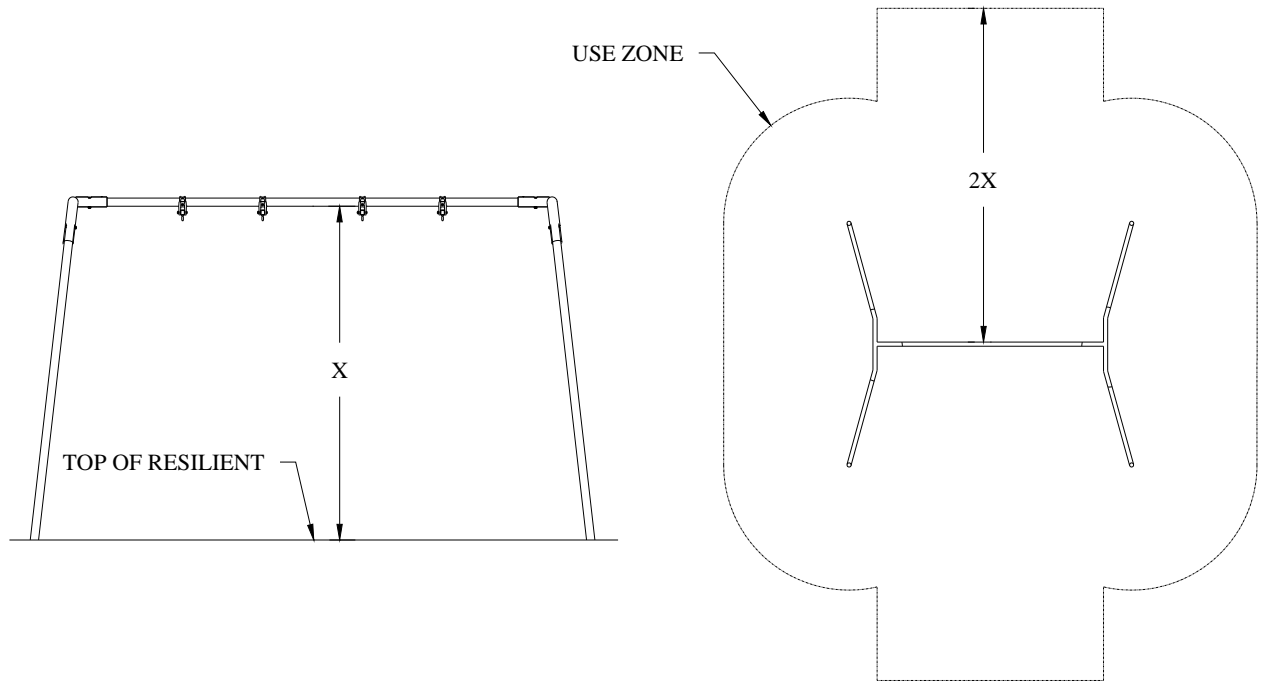


Figure 8: Use Zones for To-Fro Swings

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.

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

ASTM REQUIREMENTS FOR FASTENING DEVICES

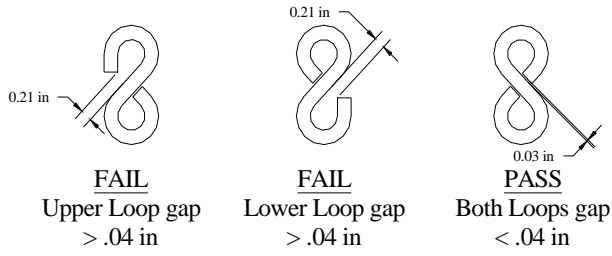


Figure 9: Check loops for .04" gap

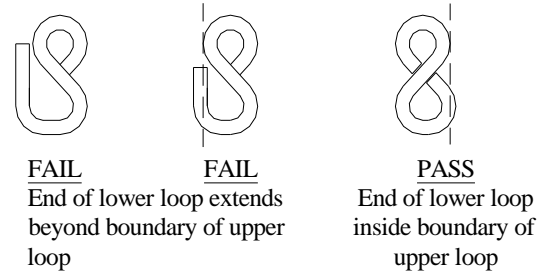


Figure 10: Check lower loop projection

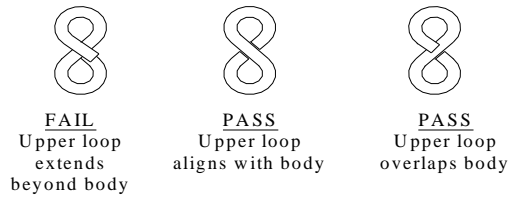


Figure 11: Check upper loop projection

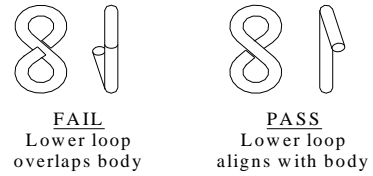


Figure 12: Check lower loop alignment

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

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.

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

WARNING AND MANUFACTURER LABELS

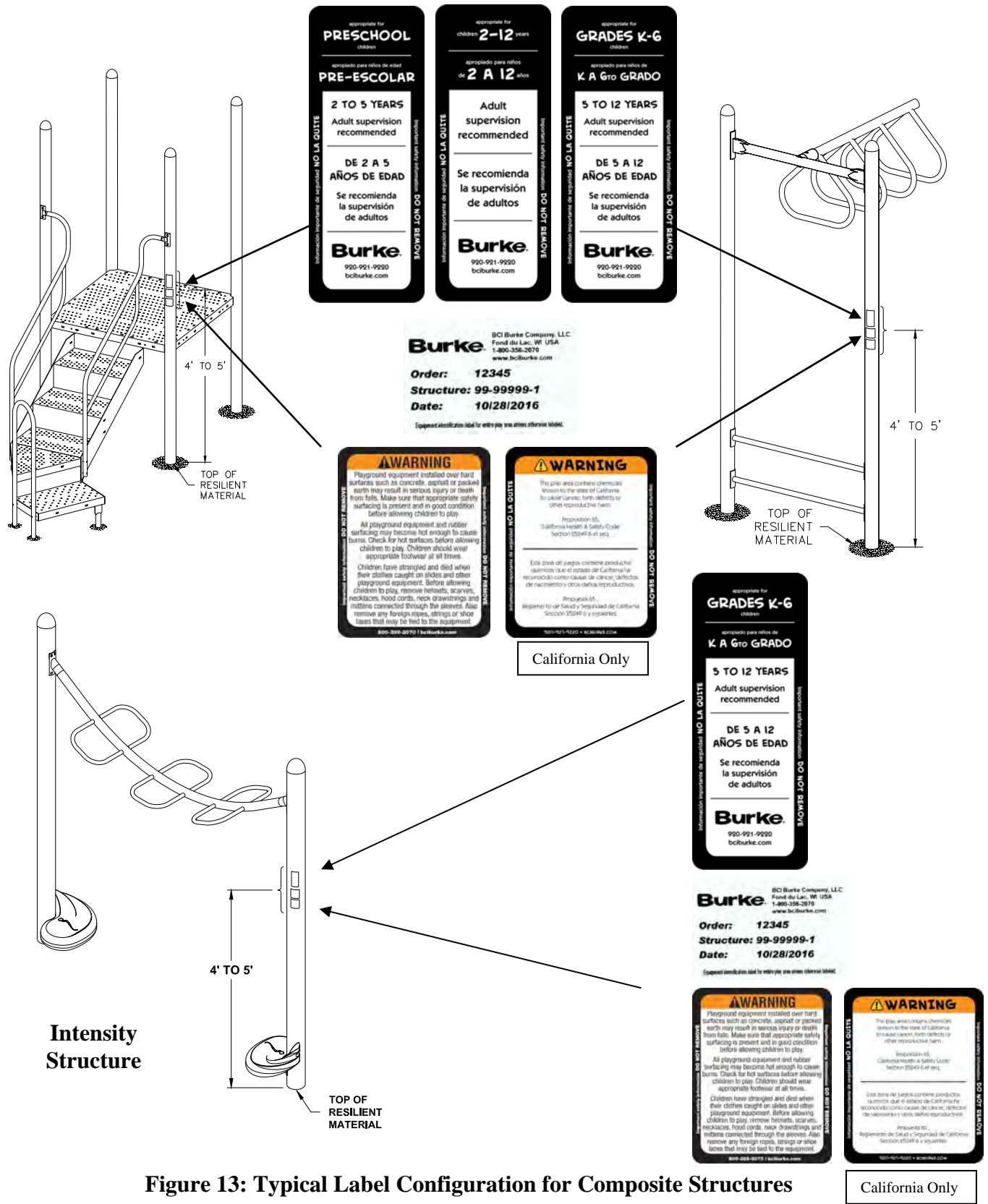


Figure 13: Typical Label Configuration for Composite Structures

California Only

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.bcburke.com

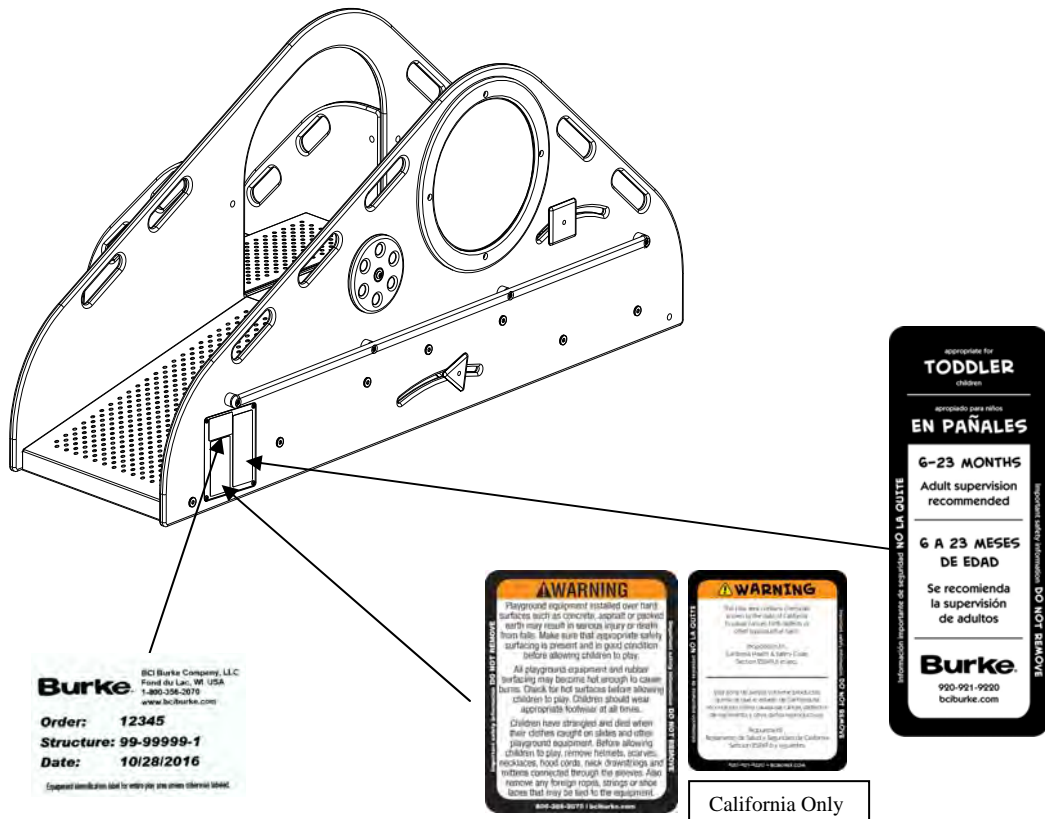


Figure 14: Typical Label Configuration for Composite Structures

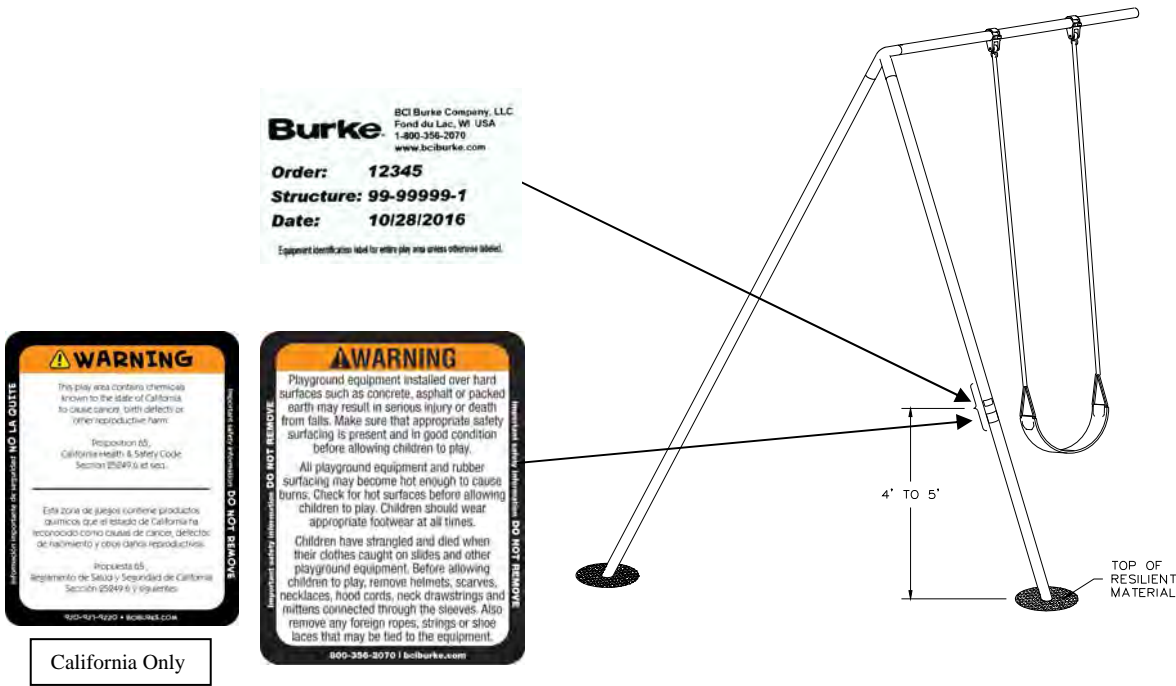


Figure 15: Typical Label Configuration for Non-Age Specific Equipment

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.bcburke.com

INSPECTION CHECKLIST

- | | | | | |
|---|--------------------------|---|--------------------------|--|
| <p>Review all Playground Installation Guidelines, particularly checking for specified dimensions. Make sure actual installation dimensions agree with the ones in the instructions.</p> | <input type="checkbox"/> | <p>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.</p> | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>Touch up any scratches or installation damage to powder coated finish with color-matched spray paint supplied with the equipment.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Clean dried concrete off support posts and any other affected components</p> | <input type="checkbox"/> | <p>Touch up any exposed metal on coated parts following the instructions in the Maintenance section.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>Check ropes of rope climbers for any installation damage such as cuts that may expose the steel reinforcement strands.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Insure all post ends have properly installed post caps. Insure the drive rivets are secure.</p> | <input type="checkbox"/> | <p>Insure proper use zone has been allowed for equipment. See Site Plan Drawing included in this manual to check dimensions of required zone.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Insure all fasteners are tightened according to specifications listed on your installation instructions.</p> | <input type="checkbox"/> | <p>Dispose of all packaging material properly. Recycle appropriate materials and keep items like plastic bags out of reach or contact of small children.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>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.</p> |

Inspected by: _____

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.

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

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 GFR 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.

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

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.

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.bciurke.com

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.

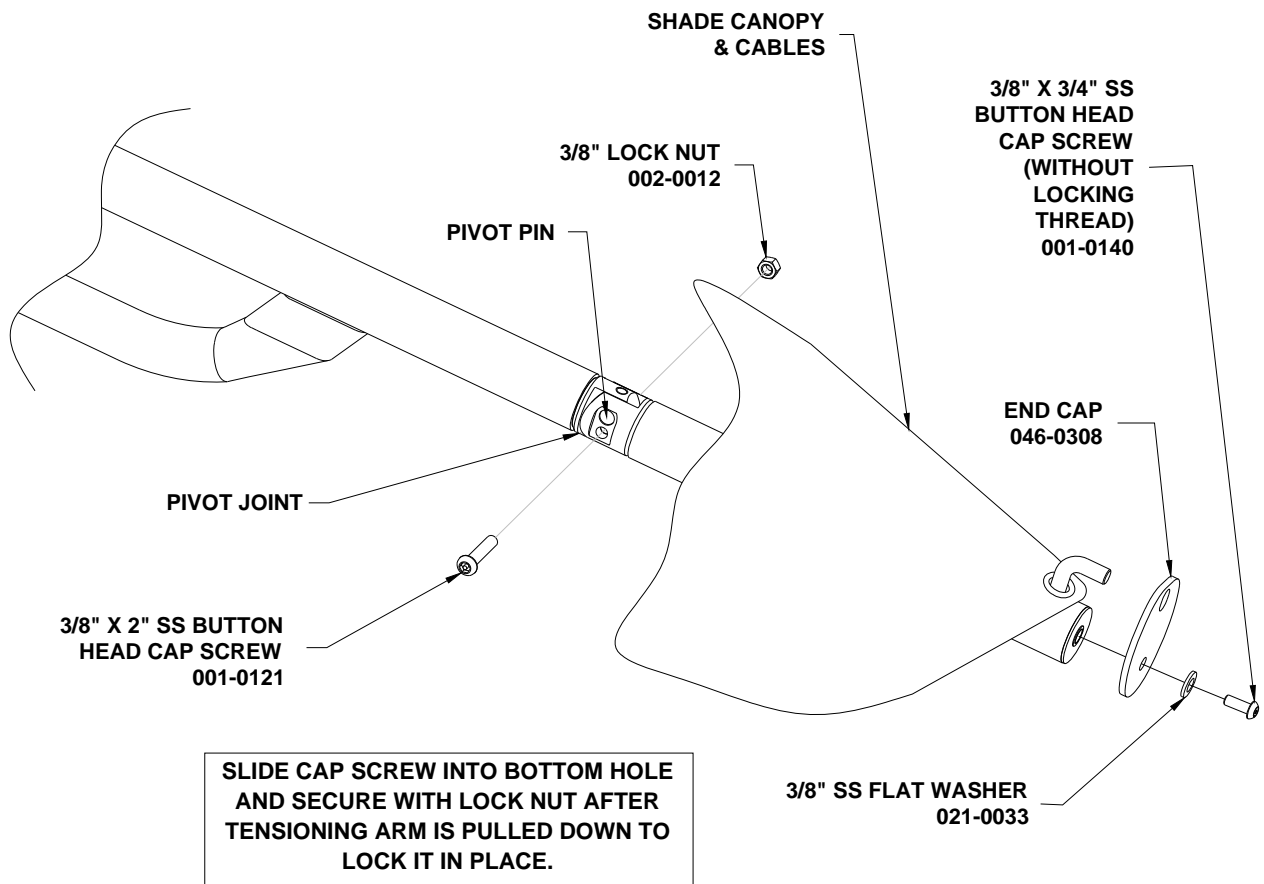


Figure 16: Tensioning Arm in 'Closed Position'

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

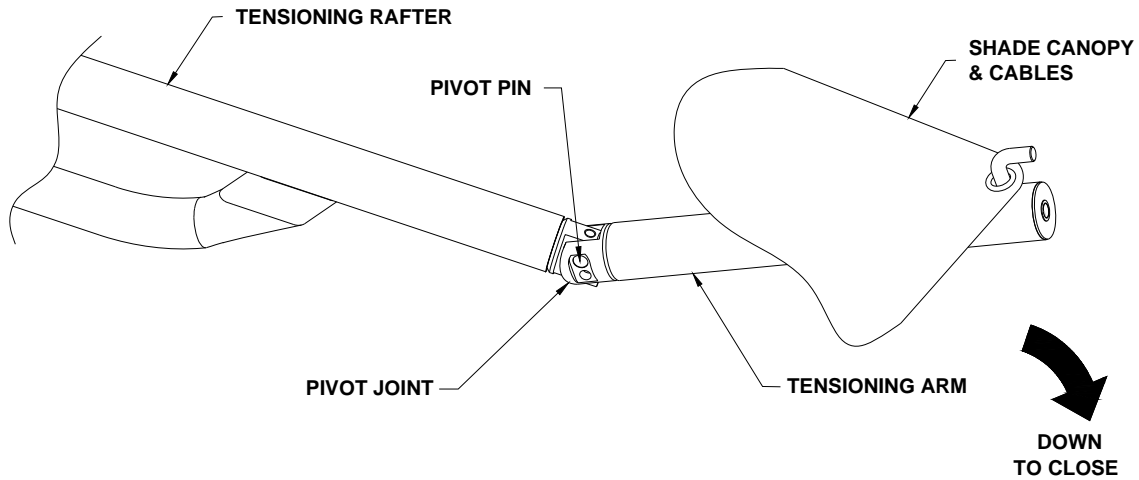


Figure 17: Tensioning Arm in 'Open Position'

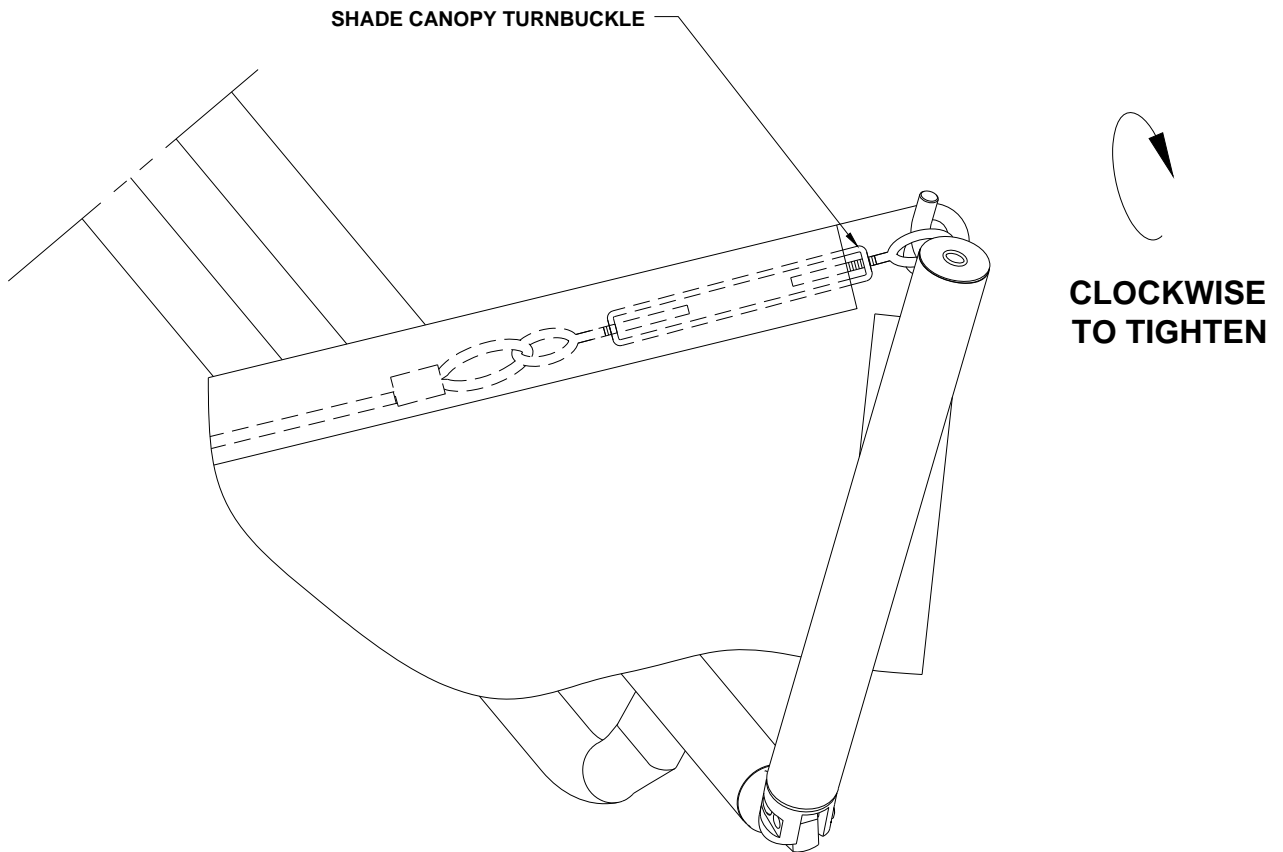


Figure 18: Tightening/Loosening Shade Canopy Turnbuckle

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

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.

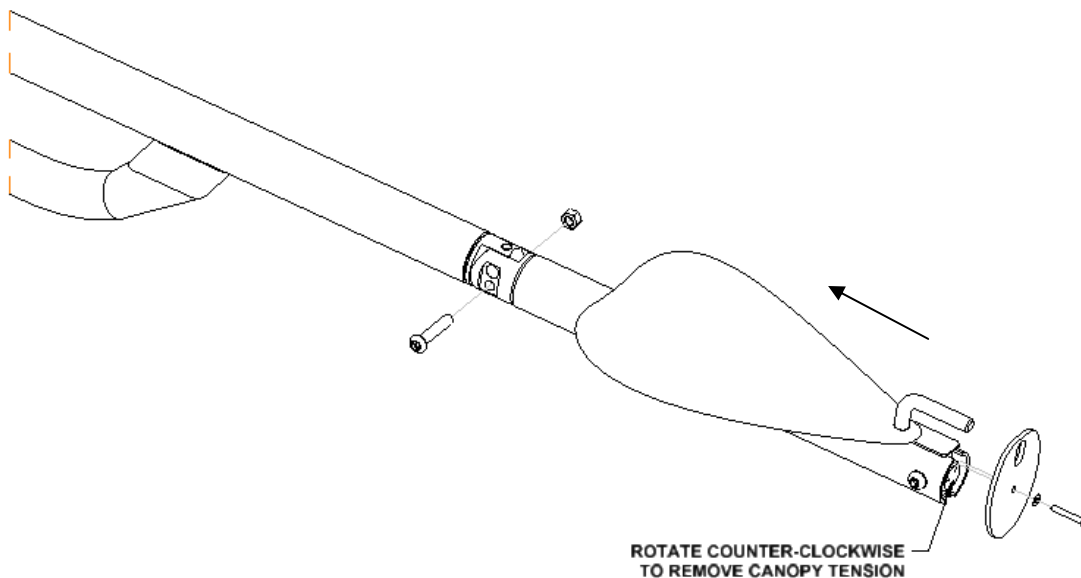


Figure 19: EZ Tension Arm in Closed Position

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

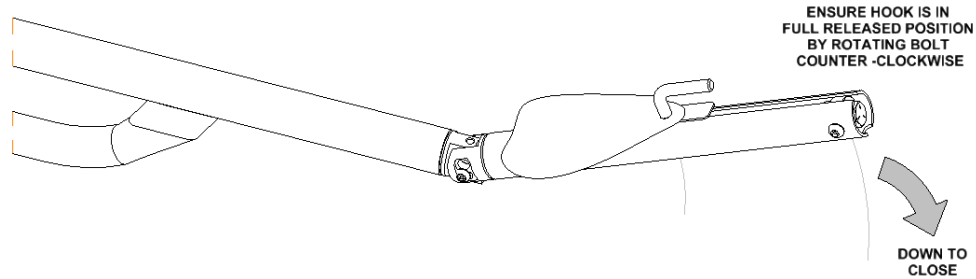


Figure 20: EZ Tension Arm in Open Position

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.

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

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">• 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.
Not all the sensors are activating the sound replay	<ul style="list-style-type: none">• Check that the speaker and sensor connectors are securely seated.
Water or evidence of water inside the electronic housing	<ul style="list-style-type: none">• If water is found inside the housing please contact the manufacturer immediately.

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

Fault	Solution
No sound or intermittent sound with older batteries	<ul style="list-style-type: none"> • 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. • 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. • Replace the batteries with high-quality alkaline batteries (i.e. Duracell Ultra or better).
No sound or intermittent sound with new batteries	<ul style="list-style-type: none"> • Allow at least five minutes for the batteries and unit to acclimatize to the environment. • 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. • 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. • 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.
The sound chip appears to be dislodged from its housing	<ul style="list-style-type: none"> • 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. IMPORTANT – excessive or uneven pressure may cause the chip to be damaged. If in doubt, contact the manufacturer. • If the pins are not located in or directly above the corresponding housing socket, DO NOT attempt to use pressure to re-seat the chip. Contact the manufacturer for advice.
No sound or intermittent sound when all previous solutions have been exhausted	<ul style="list-style-type: none"> • 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.

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

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.

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

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.

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

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,

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

- 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.

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

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		

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

MAINTENANCE

General Maintenance Checklist

Date																			
Visible cracks, bending, warping																			
Accessible sharp edges or points *																			
Rusted metal surfaces																			
Rusting of metal and corrosion on aluminum																			
Deformation of open hooks, rings, links, etc. *																			
Worn swing hangers and chain																			
Missing or damaged swing seats																			
Heavy swing seats with sharp corners or edges *																			
Broken supports/anchors																			
Jagged, exposed or cracked and loose concrete footing																			
Inadequate surfacing material under equipment *																			
Exposed ends of pipe. Missing caps or plugs *																			
Protruding bolt ends *																			
Chipped or peeling paint																			
Cuts or fraying in rope with exposed steel reinforcement strands																			
Vandalism, broken glass, trash, etc.																			
Broken or missing rails, steps, rungs, seats																			
Loose or missing hardware																			
Crush or Shear points *																			
Moving components, etc.																			
Lack of lubrication on moving parts																			
Worn bearings																			
Poor drainage areas at footings, slide exits, etc																			
Vandalized or cracked PVC coating																			

*for further definition, reference ASTM F1487

Directions:

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

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

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

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

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

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.

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

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.

BCI Burke Company, LLC

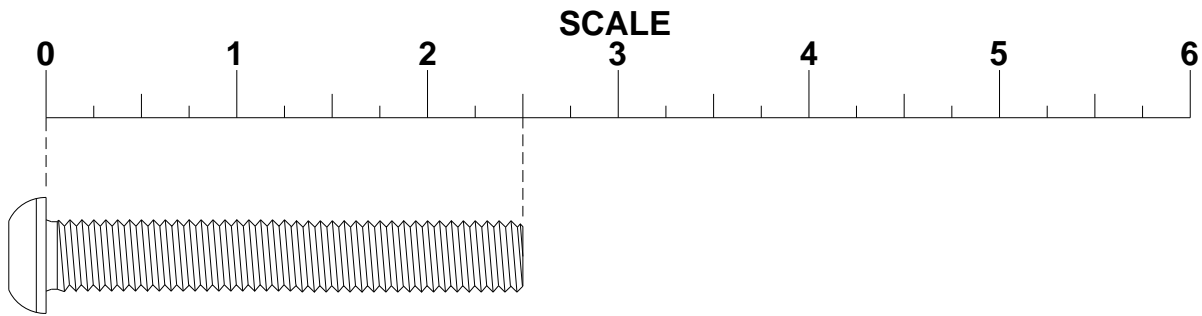
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

www.bciburke.com

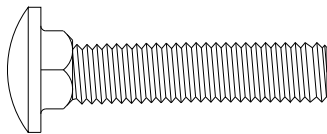
APPENDIX

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

BCI BURKE HARDWARE

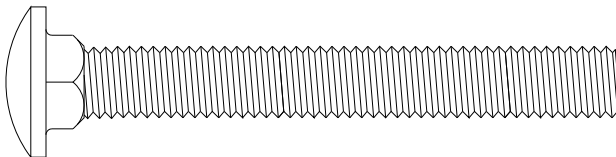


- 001-0116 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW
- 001-0117 - 3/8" X 1" SS BUTTON HEAD CAP SCREW
- 001-0118 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW
- 001-0119 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW
- 001-0120 - 3/8" X 1 3/4" SS BUTTON HEAD CAP SCREW
- 001-0121 - 3/8" X 2" SS BUTTON HEAD CAP SCREW
- 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

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

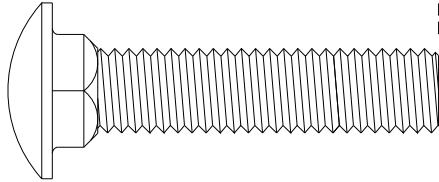
www.bciburke.com

BCI BURKE HARDWARE

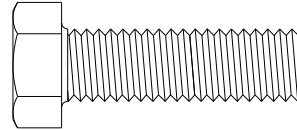
SCALE



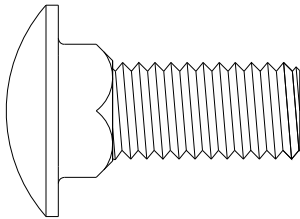
001-0137 - 1/4"-28 UNF X 5/8" ZC HEX HEAD CAP SCREW



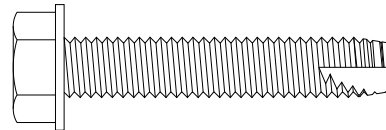
001-0025 - 5/16" X 1" HEX HEAD BOLT
 001-0147 - 5/16" X 1" SS HEX HEAD BOLT
 001-0146 - 5/16" X 1 1/4" SS HEX HEAD BOLT
 001-0184 - 5/16" X 1 3/4" SS HEX HEAD BOLT



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

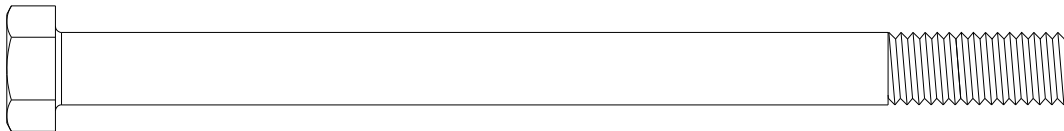


001-0056 - 3/8" X 1 1/4" HEX HEAD CAP SCREW
 001-0058 - 3/8" X 1" HEX HEAD CAP SCREW
 001-0087 - 3/8" X 1 1/2" HEX HEAD CAP



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

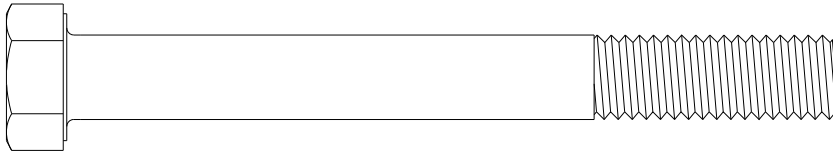
BCI Burke Company, LLC

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

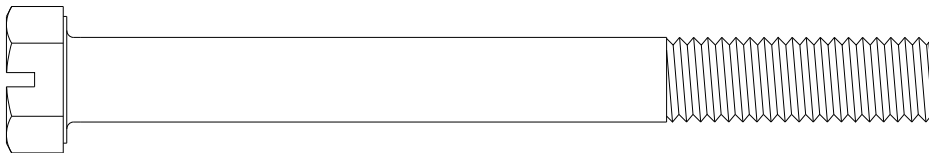
BCI BURKE HARDWARE

SCALE



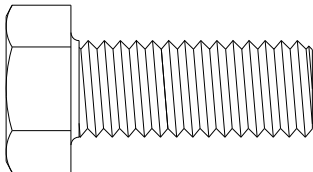
001-0096 - 7/16" X 3 1/2" HEX HEAD CAP SCREW
001-0132 - 7/16" X 4" HEX HEAD CAP SCREW

001-0062 - 7/16" X 1 1/4" HEX HEAD CAP SCREW
001-0049 - 7/16" X 4 1/2" HEX HEAD CAP SCREW

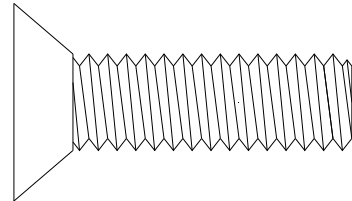


001-0037 - 7/16" X 3" HEX HEAD CAP SCREW - SLOTTED
001-0047 - 7/16" X 4 1/2" HEX HEAD CAP SCREW - SLOTTED

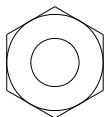
001-0186 - 3/8" X 1 1/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



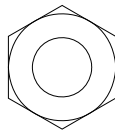
001-0099 - 1/2" X 4 1/2" HEX HEAD CAP SCREW
001-0057 - 1/2" X 1 1/4" HEX HEAD CAP SCREW
001-0160 - 1/2" X 1 1/4" HEX HEAD CAP SCREW - GRADE 8
001-0170 - 1/2" X 5" FULLY THREADED HEX HEAD SCREW



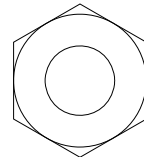
001-0139 - 1/2" X 1 3/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



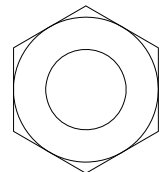
002-0003 - 5/16" LOCK NUT



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

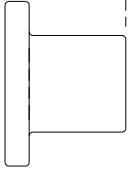
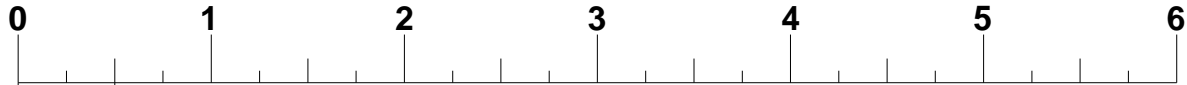
BCI Burke Company, LLC

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

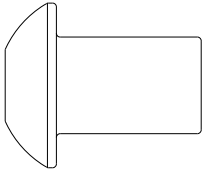
www.bciburke.com

BCI BURKE HARDWARE

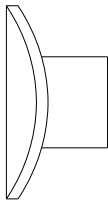
SCALE



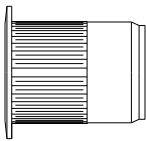
002-0053 - 3/8" X 1/2" SS SOCKET HEAD BARREL NUT
002-0063 - 3/8" X 3/8" SS SOCKET HEAD BARREL NUT



002-0062 - 3/8" X 3/4" SS SOCKET HEAD BARREL NUT



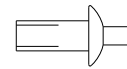
002-0040 - 3/8" SS T-NUT FORMED
002-0028 - 1/4" T-NUT



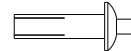
002-0042 - 3/8" NUT INSERT



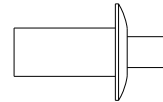
019-0002 - 3/16" X 7/8" DRIVE RIVET
019-0004 - 3/16" X 1 5/32" RIVET



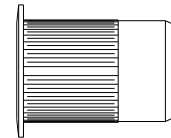
019-0010 - 5/32" X 3/8" DRIVE RIVET



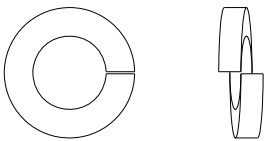
019-0016 - 1/8" X 15/32" DRIVE RIVET



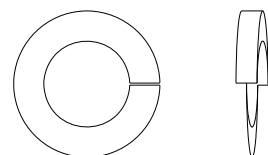
019-0020 - 1/4" X 1/2" DRIVE RIVET
019-0009 - 1/4" X 3/4" DRIVE RIVET



002-0061 - 3/8" NUT INSERT (7 GA GRIP)



021-0022 - 3/8" LOCK WASHER



021-0027 - 7/16" LOCK WASHER

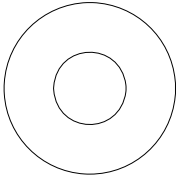
BCI Burke Company, LLC

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

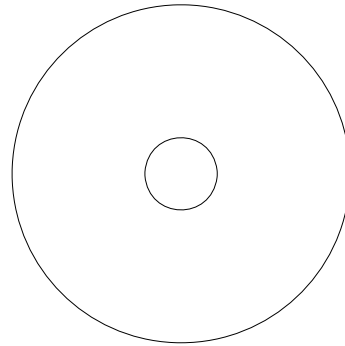
www.bciburke.com

BCI BURKE HARDWARE

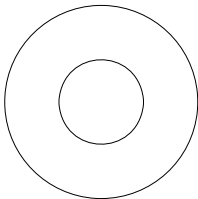
SCALE



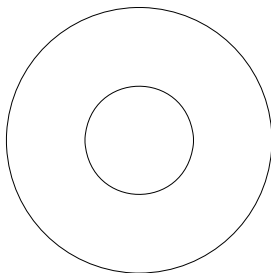
021-0032 - 5/16" SS FLAT WASHER
021-0028 - 5/16" FLAT WASHER



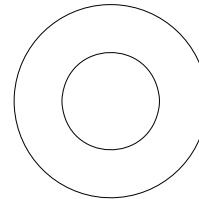
021-0012 - 3/8" X 1 3/4" WASHER
021-0001- 1 3/4" OD X 13/16" ID X 3/32" WASHER



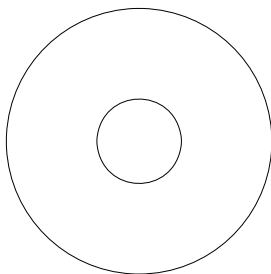
021-0033 - 3/8" SS FLAT WASHER
021-0029 - 3/8" FLAT WASHER



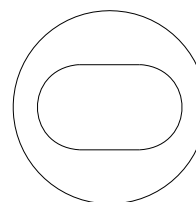
021-0025 - 1/2" FLAT WASHER
021-0034 - 1/2" SS FLAT WASHER



021-0042 - WASHER, NYLON, 1/2" ID X 1" OD X .125 THK



021-0008 - 1 3/8" OD WASHER



021-0019 - 3/8" X 1" OD SLOTTED WASHER

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

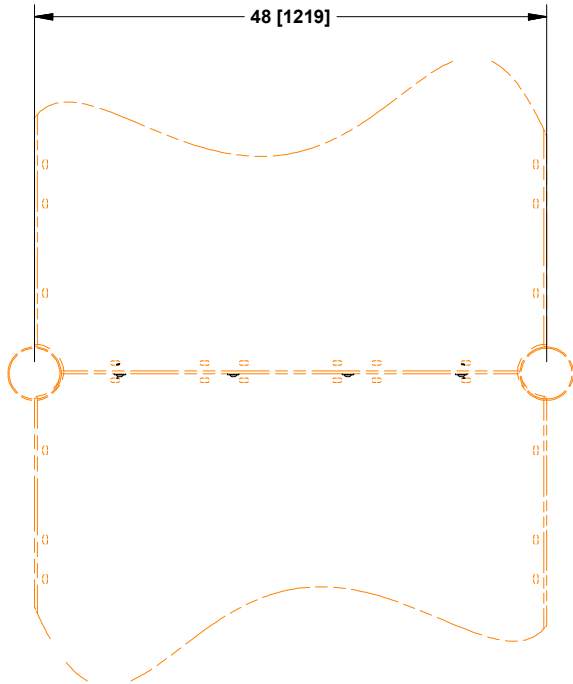
Installation Instructions

BCI Burke Company, LLC

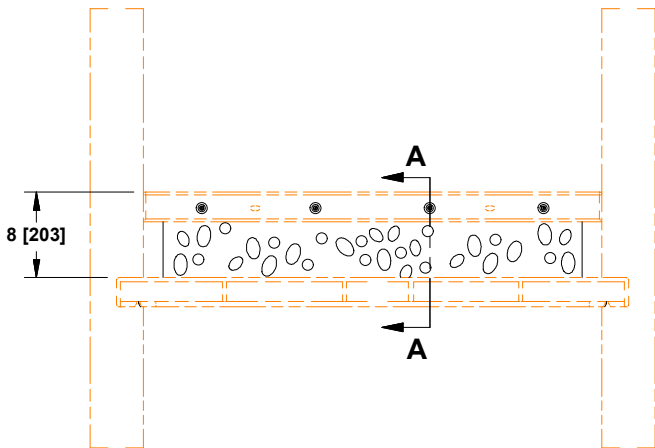
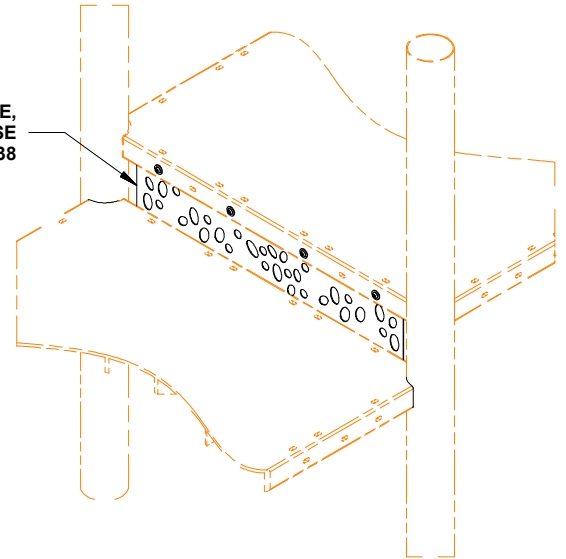
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

www.bciburke.com

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



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" X 1" SS BUTTON
HEAD CAP SCREW
001-0117 4 X

3/8" SS NUT
002-0036 4 X

SECTION A-A

270-0009 8" CLOSURE PLATE, ELLIPSE

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
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

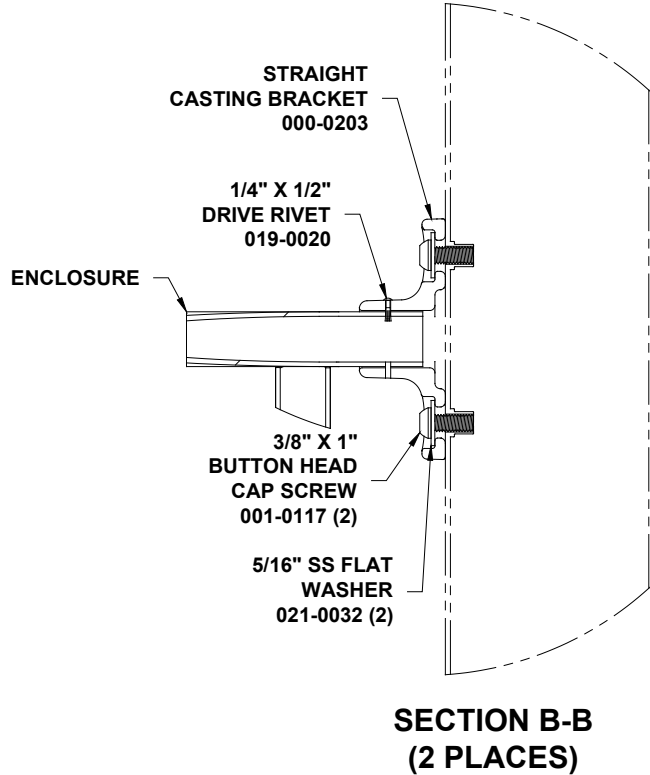
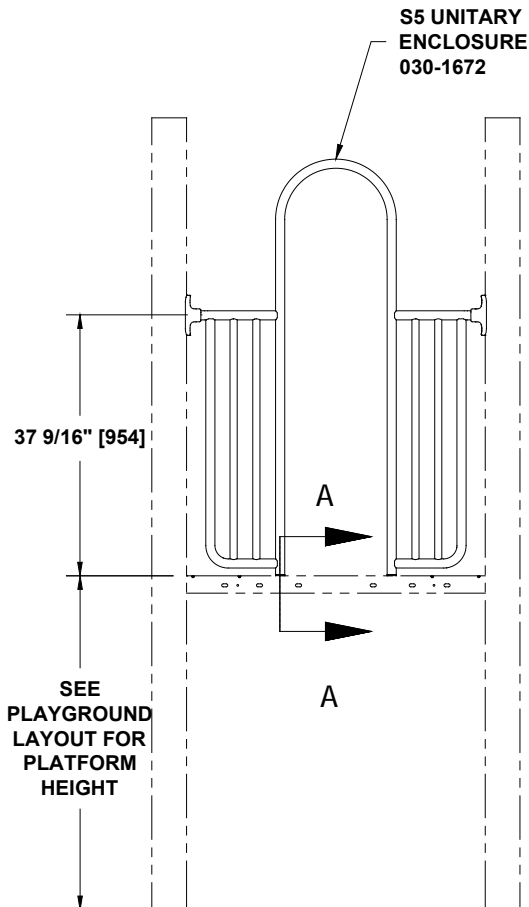
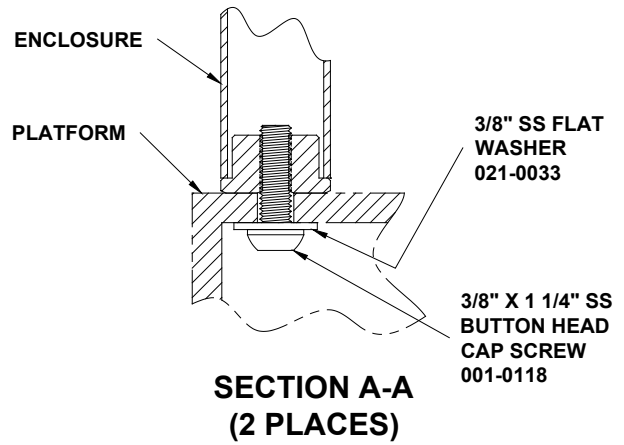
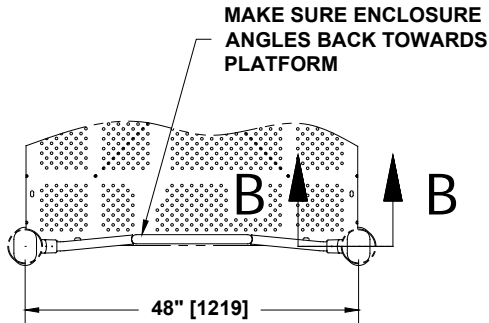
SHIPPING WEIGHT: 8 LBS.

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.

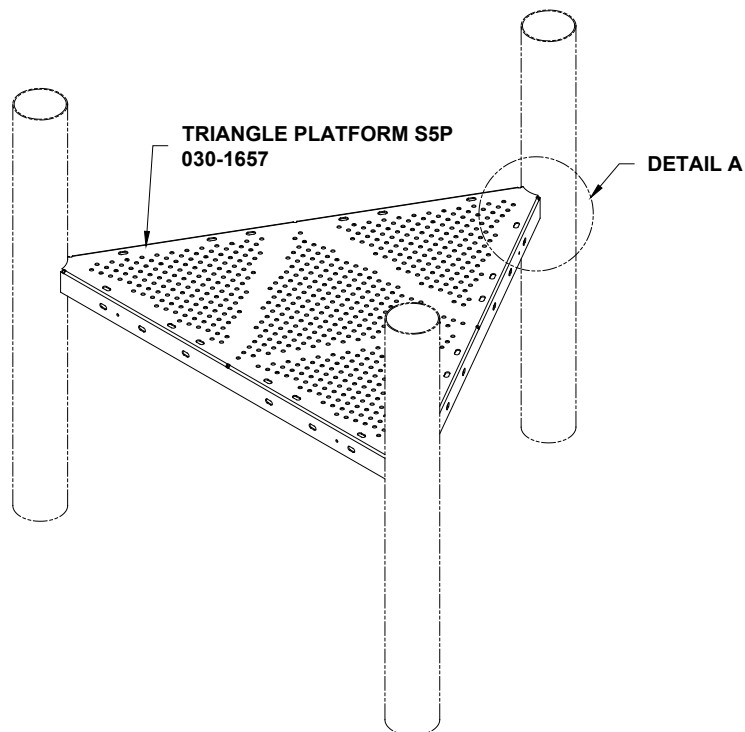
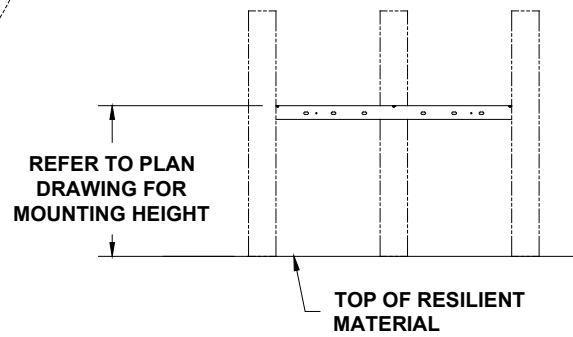
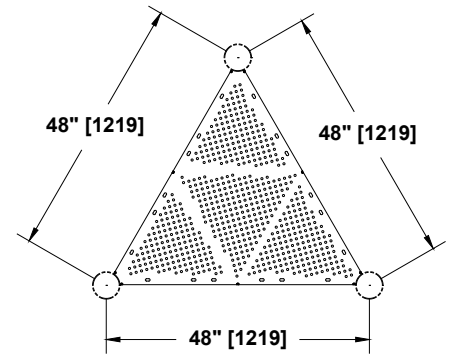
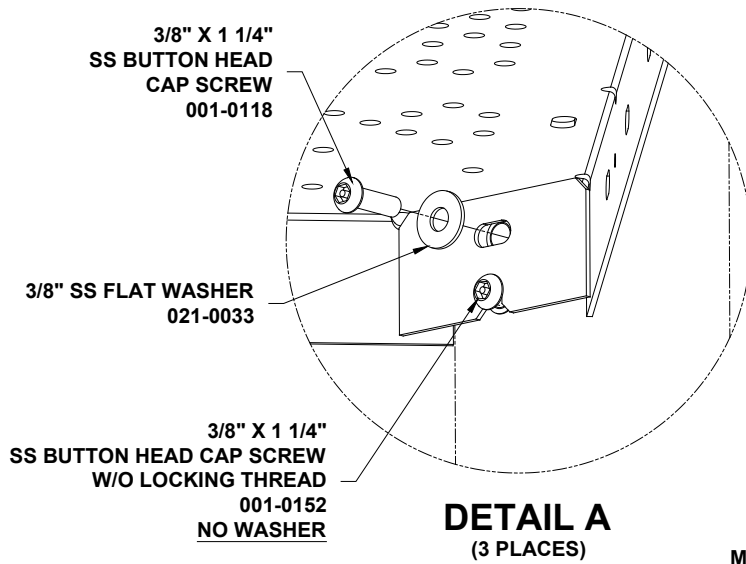
INSTALLATION INSTRUCTIONS

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

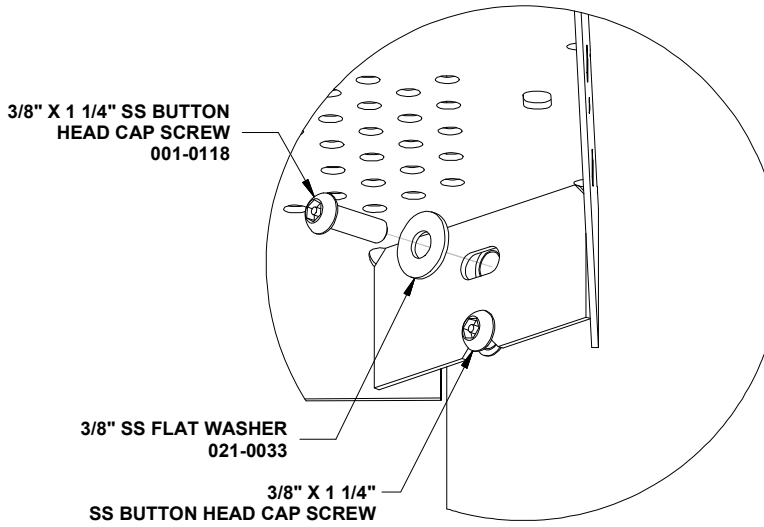
SHIPPING WEIGHT: 48 LBS.

INSTALLATION INSTRUCTIONS

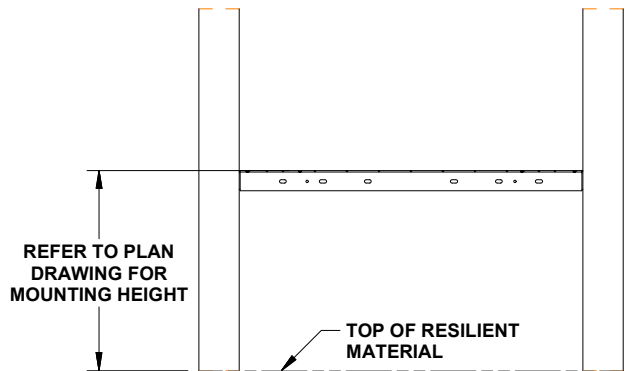
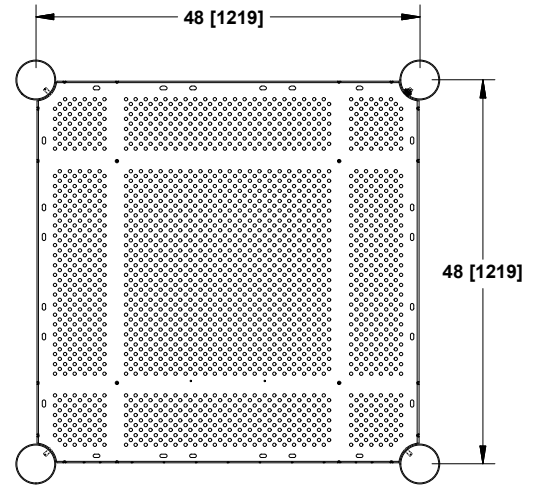
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

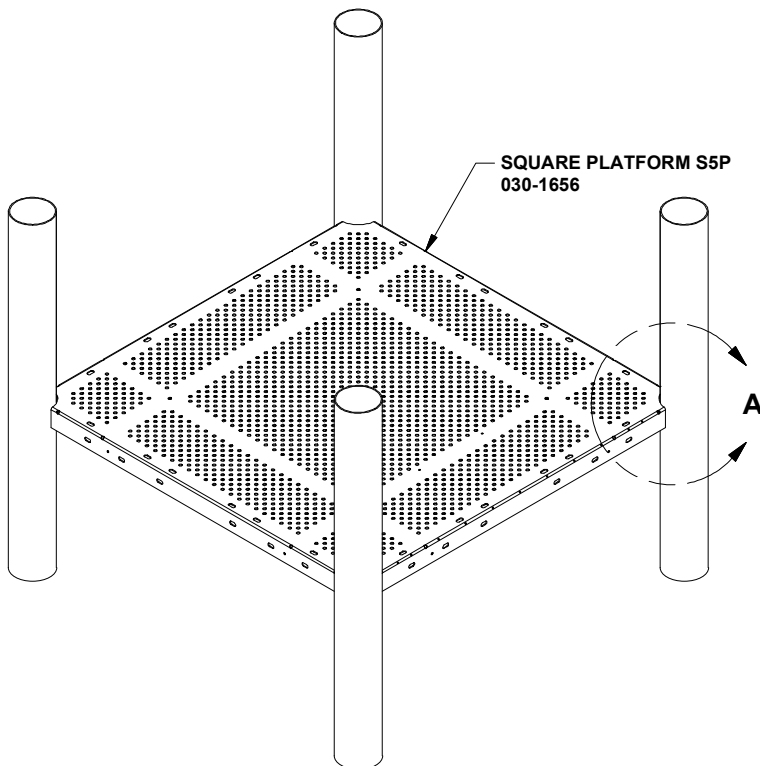
1. Locate the double sets of platform mounting holes in each post.
2. Partially thread a 3/8" x 1 1/4" SS button head cap screw W/O LOCKING THREAD into the lower hole of the double set of mounting holes WITHOUT a washer. **DO NOT TIGHTEN.** See DETAIL A.
3. Slide the three corners of the TRIANGLE PLATFORM 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®
deck mounting system"**



ELEVATION VIEW



**270-0130
SQUARE PLATFORM**

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
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

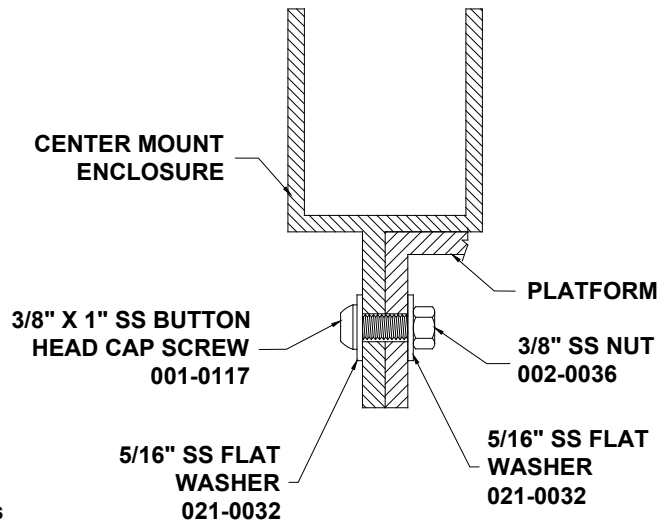
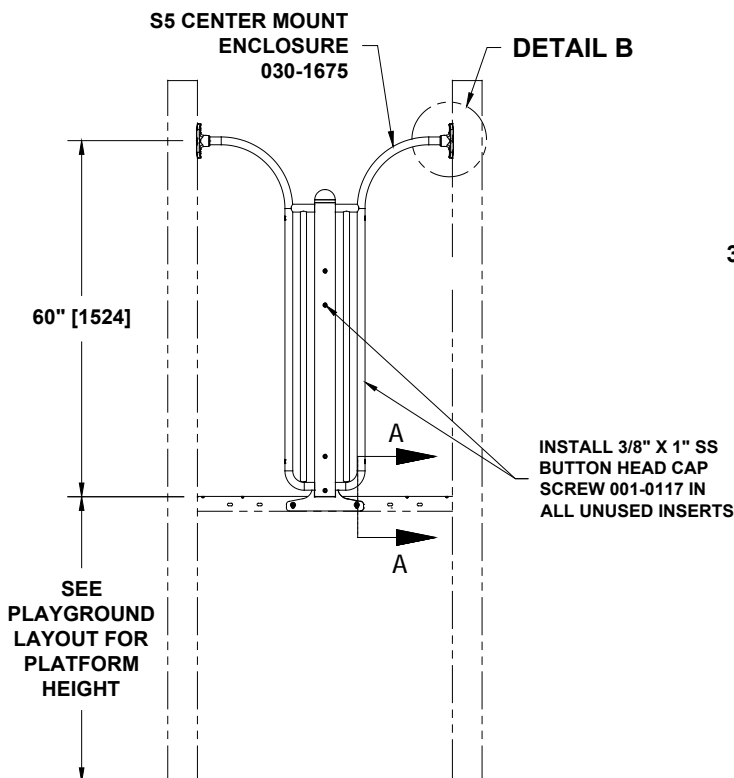
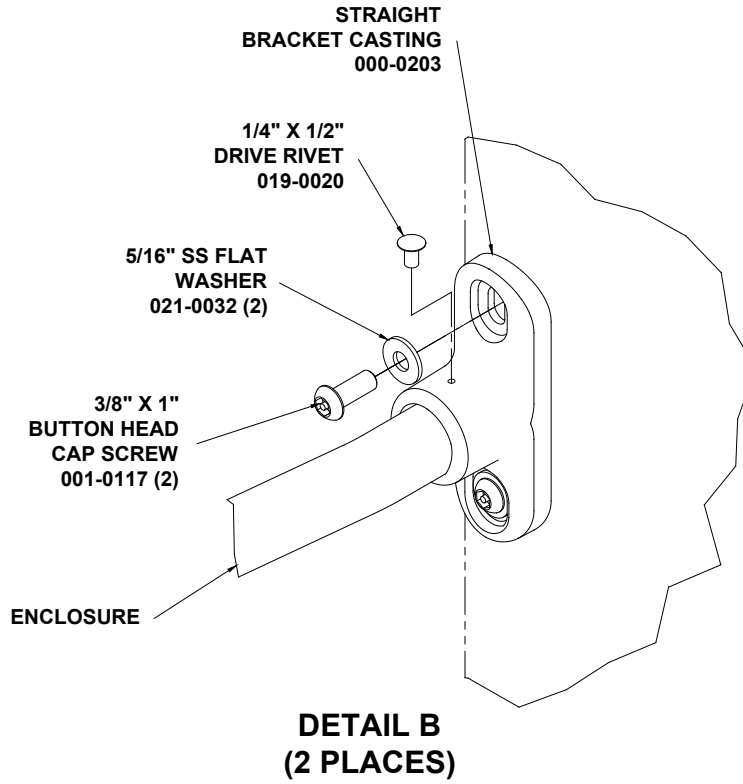
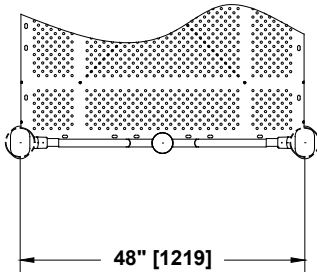
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

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 EZKonnnect® 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.**



10/20/2011



**SECTION A-A
(2 PLACES)**

**270-0266
CENTER MOUNT ENCLOSURE**

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1675	S5 CENTER MOUNT ENCLOSURE	1
036-0258	HARDWARE PACKAGE	7
036-0596	HARDWARE PACKAGE	1
036-0819	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.

S5 CENTER MOUNT ENCLOSURE: One piece all welded construction consisting of 3 1/2" OD x 11 GA, 1.315" OD x 12 GA & 1.029" OD X 14 GA galvanized steel tubing, and 10 GA galvanized sheet. 3 1/2" aluminum post cap and rivets. Finished with a baked on powder coating.

HARDWARE PACKAGE: HARDWARE PACKAGE: Stainless steel.

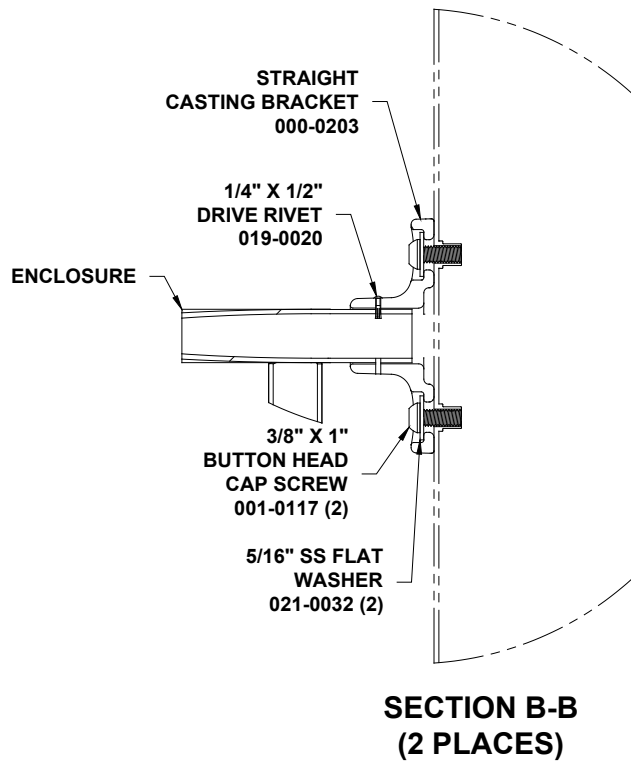
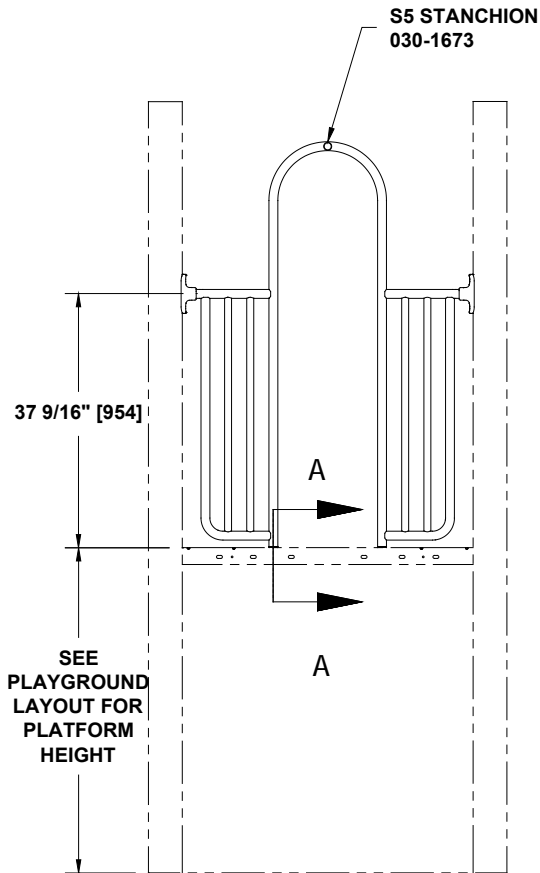
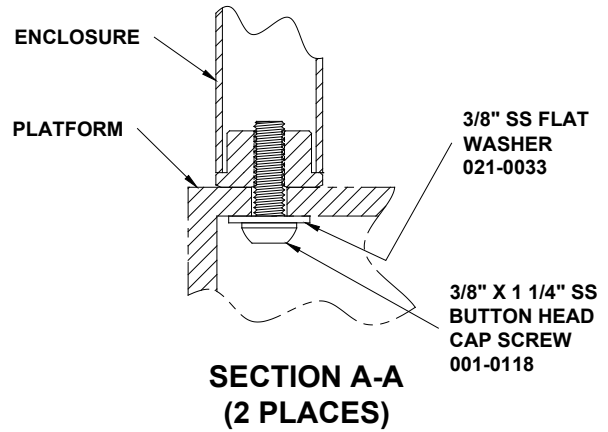
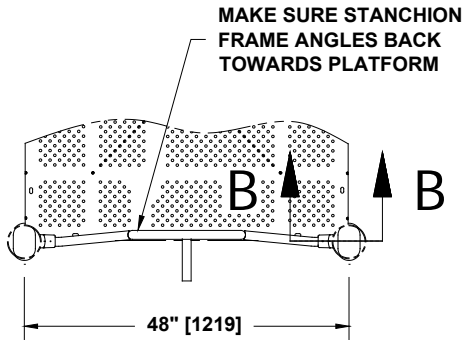
HARDWARE PACKAGE: Aluminum Rivets

SHIPPING WEIGHT: 43 LBS.

INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

1. Locate holes for BRACKETS CASTINGS to 5" O.D. posts as per dimensions shown.
2. Insert bracket castings onto ends of CENTER MOUNT ENCLOSURE and attach bracket castings to 5" O.D. posts using hardware specified in DETAIL B.
3. Attach bottom of enclosure to platform using hardware specified in SECTION A-A.
4. Drill 1/4" diameter holes through pilot hole in casting and into enclosure. See DETAIL B.
5. Drive rivets flush with brackets.
6. Tighten All Hardware.



**270-0286
NUCLEUS STANCHION**

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1673	S5 STANCHION	1
036-0197	HARDWARE PACKAGE	1
036-0819	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.

S5 STANCHION: 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

SHIPPING WEIGHT: 38 LBS.

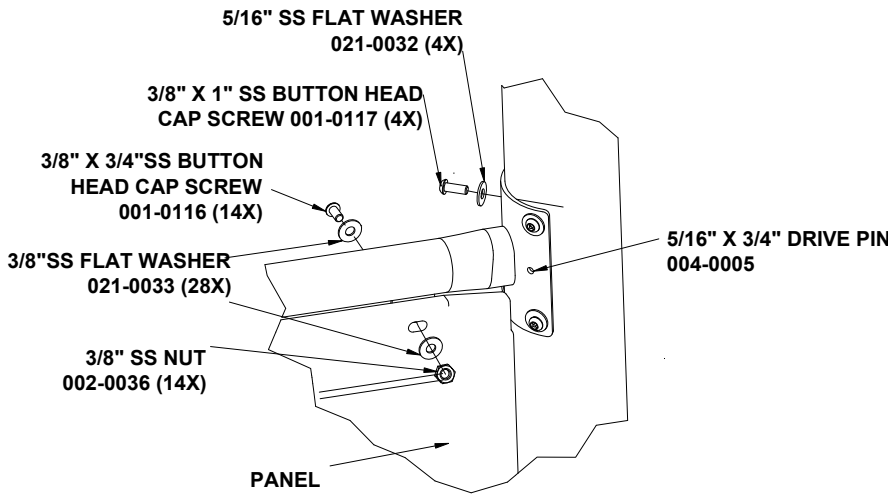
INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

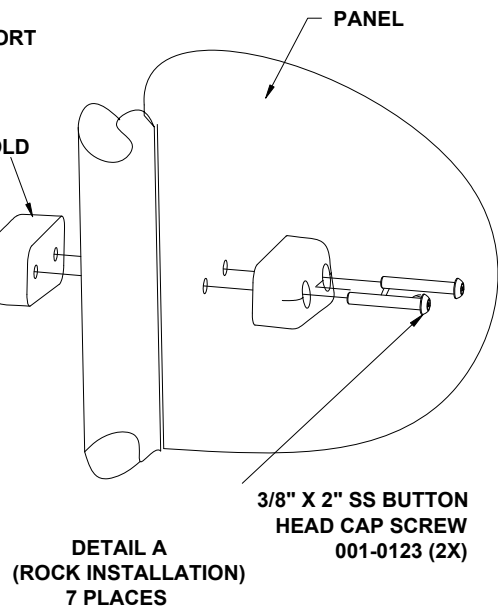
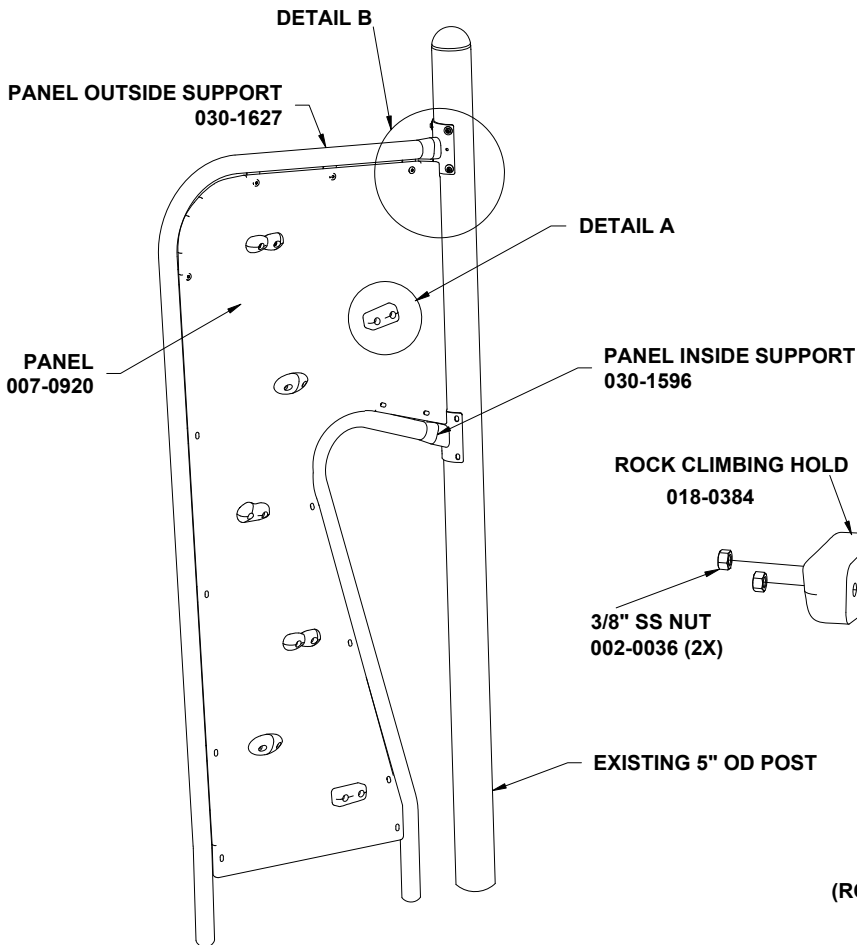
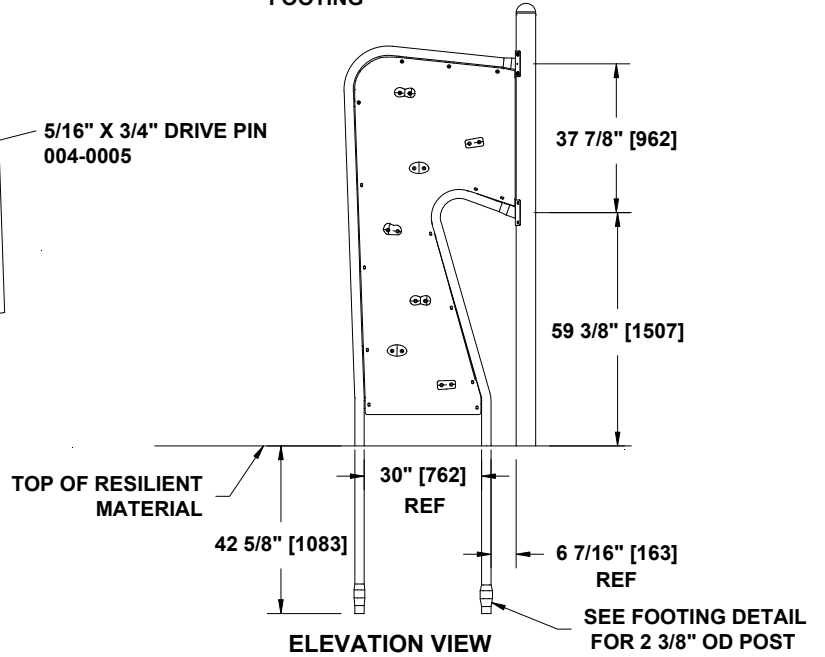
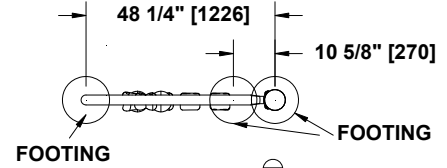
NOTE: Do not tighten hardware until instructed to do so.

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 NUCLEUS STANCHION and attach top hole of brackets to 5" O.D. posts using hardware specified in SECTION B-B.
3. Rotate unitary enclosure up 90 degrees and attach bottom hole of brackets to 5" O.D. posts using hardware specified in SECTION B-B.
4. Rotate stanchion down 90 degrees and attach to platform using hardware specified in A-A and FRONT VIEW. Tighten screws.
5. Drill 1/4" diameter hole through pilot hole in brackets through stanchion. Insert DRIVE RIVET. Drive rivets flush.
6. Tighten all Hardware.



DETAIL B
2 PLACES



370-0020 ACTIVE APEX (STEEL)

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
007-0920	PANEL, ACTIVE APEX, (STEEL)	1
030-1596	SUPPORT, PANEL INSIDE	1
030-1627	SUPPORT, PANEL OUTSIDE	1
036-0032	HARDWARE PACKAGE	14
036-0249	HARDWARE PACKAGE	1
036-0258	HARDWARE PACKAGE	3
036-0596	HARDWARE PACKAGE	6
036-0754	HARDWARE PACKAGE	1
036-0784	HARDWARE PACKAGE	1
050-0003	14 ROCK CLIMBING HOLDS	1
	consisting of:	
018-1384	ROCK CLIMBING HOLD	14

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

PANEL, ACTIVE APEX, (STEEL): 10 GA galvanized sheet steel finished with a baked on powder coating.

SUPPORT, PANEL INSIDE; SUPPORT, PANEL OUTSIDE: One piece all welded construction consisting of 2.375" OD x 10 GA galvanized steel tubing, and 10 GA galvanized sheet steel. Finished with a baked on powder coating.

HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

HARDWARE PACKAGE: Stainless steel screws, nuts, and washers.

HARDWARE PACKAGE: Stainless steel button head cap screws, washers, nuts and T-nuts.

14 ROCK CLIMBING HOLDS: Molded professional grade rock climbing hold with stainless steel washers.

SHIPPING WEIGHT: 278 LBS.

INSTALLATION INSTRUCTIONS

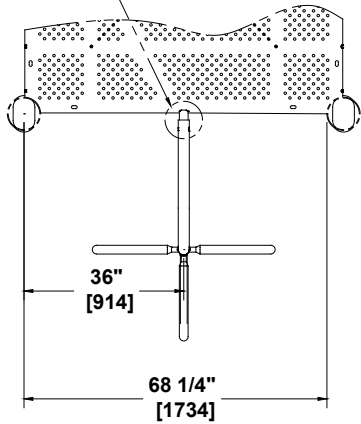
NOTE: Do not tighten hardware until instructed to do so.

1. Attach ROCK CLIMBING HOLDS to panel using 3/8" X 2" SS button head cap screws and 3/8 SS nuts. Tighten all hardware. See DETAIL A.
2. Attach both PANEL INSIDE SUPPORT and PANEL OUTSIDE SUPPORT to existing 5" OD post using 3/8 X 1" SS button head cap screws and 5/16" SS flat washers. See DETAIL B.
3. Attach PANEL to inside and outside supports using 3/8" SS nuts, 3/8" X 3/4" SS button head cap screws and 3/8" SS flat washers. See DETAIL A.
4. Block up and level climber, tighten all hardware.
5. Pour concrete. Let set for two to three days.
6. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

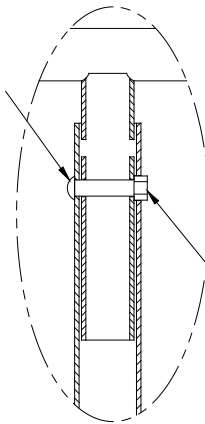


TOP VIEW

DETAIL A



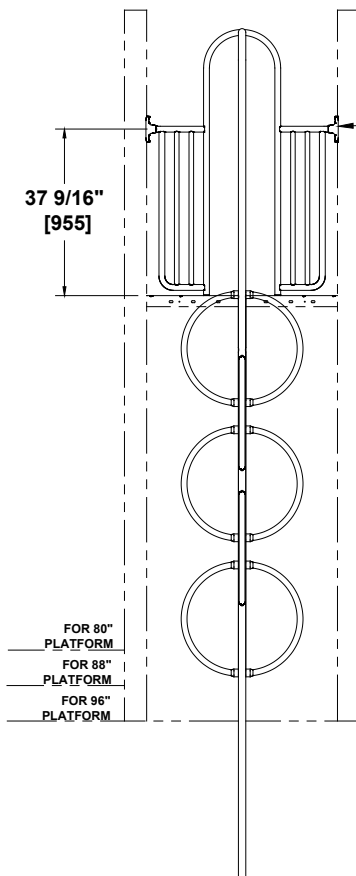
3/8" X 1 3/4" SS
BUTTON HEAD
CAP SCREW
001-0120



3/8"
SS NUT
002-0036

DETAIL A

FRONT VIEW



SIDE VIEW

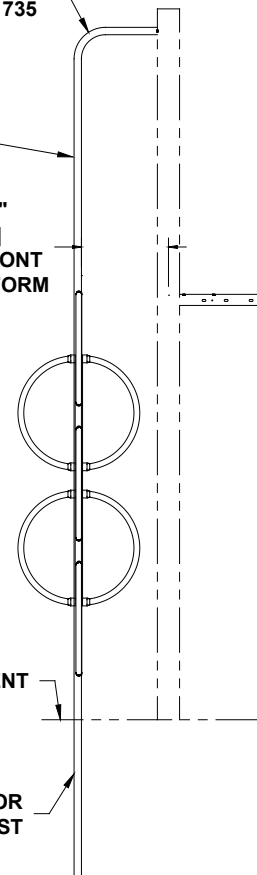
LINKING RING CLIMBER
80"-96"
030-1735

STANCHION /ENCLOSURE
CONFIGURATION VARIES
SEE SITE PLAN

19 5/8"
[498]
FROM FRONT
OF PLATFORM

TOP OF RESILIENT

SEE FOOTING DETAIL FOR
1 7/8" OD POST



370-0113
LINKING RING CLIMBER, 80"-96"

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-1735	LINKING RING CLIMBER 80"-96"	1
036-1392	HARDWARE PACKAGE	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

LINKING RING CLIMBER 80"-96": One piece all welded construction consisting of 1.660" OD x 12 GA and 1.315" OD x 14 GA galvanized steel tubing finished with a baked-on powder coating.

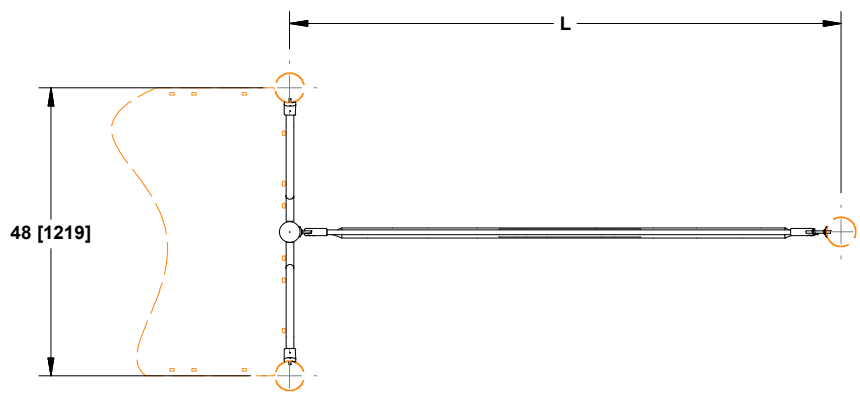
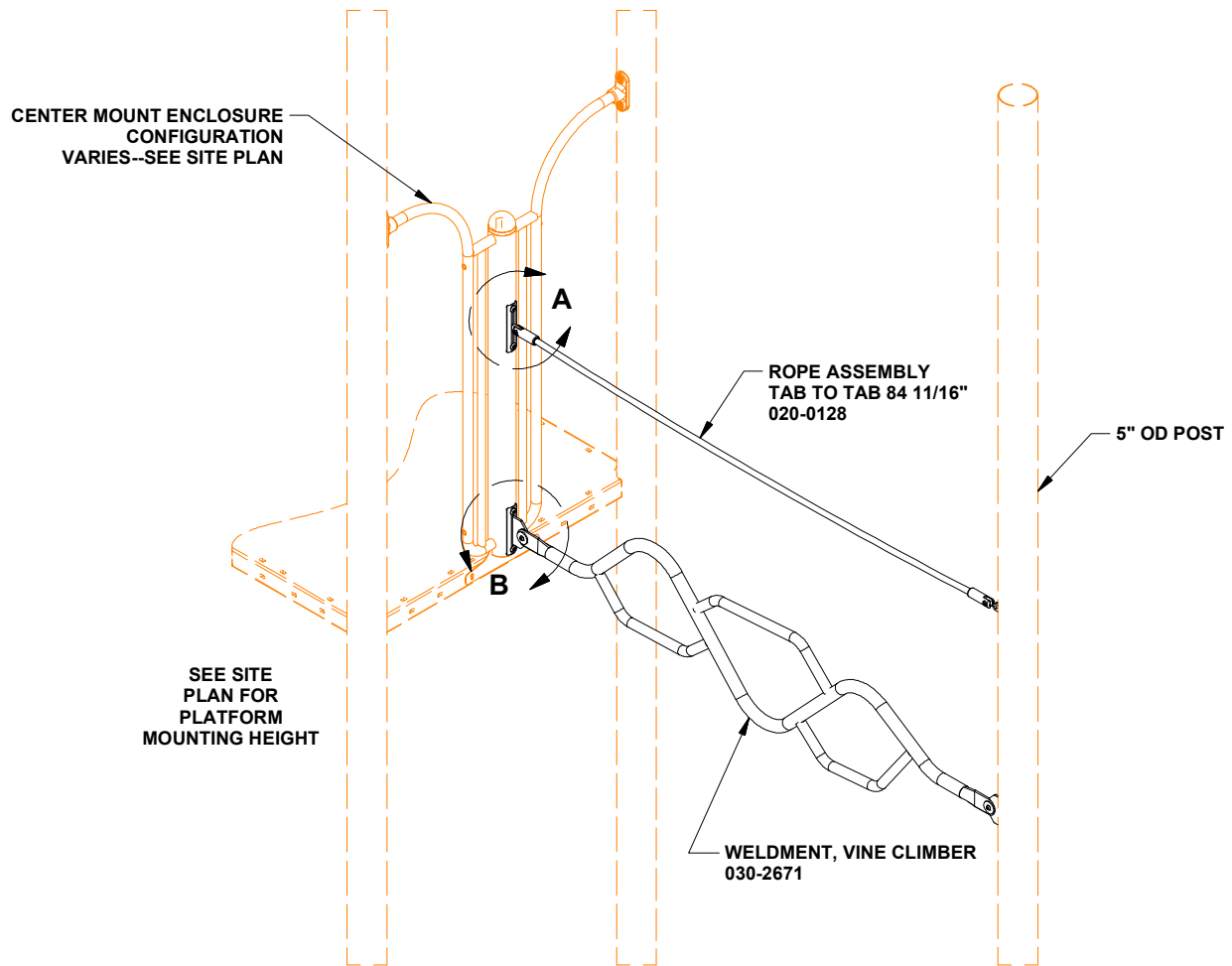
HARDWARE PACKAGE: Stainless steel screws, nuts & washers.

SHIPPING WEIGHT: 64 LBS.

INSTALLATION INSTRUCTIONS

NOTE: Plastisol coating may need to be removed from mounting holes on platform before installing this climber.

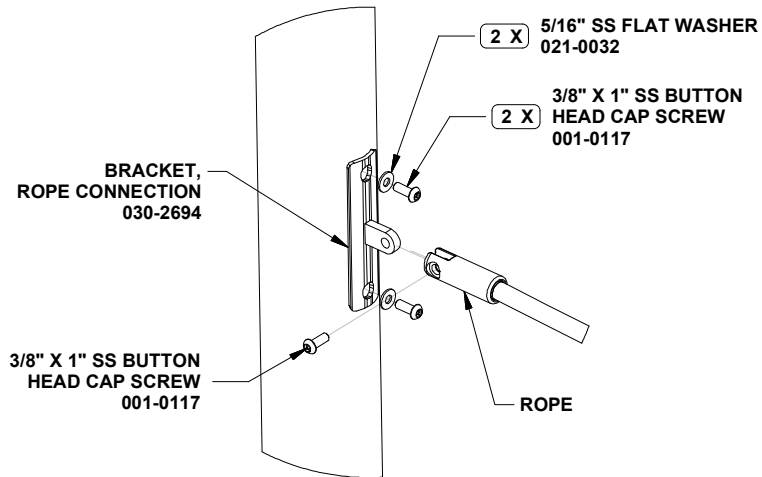
1. Locate and dig footing hole as per dimensions shown. See typical concrete footing details, which are located in the preface of your installation manual.
2. Position LINKING RING CLIMBER into footing hole and attach to stanchion using 3/8" x 1 3/4" BUTTON HEAD CAP SCREWS and 3/8" NUT. See DETAIL A. Tighten all hardware.
3. Block-up and plumb.
4. Pour concrete and allow concrete to set for 2-3 days.
5. **Install resilient surfacing material.**



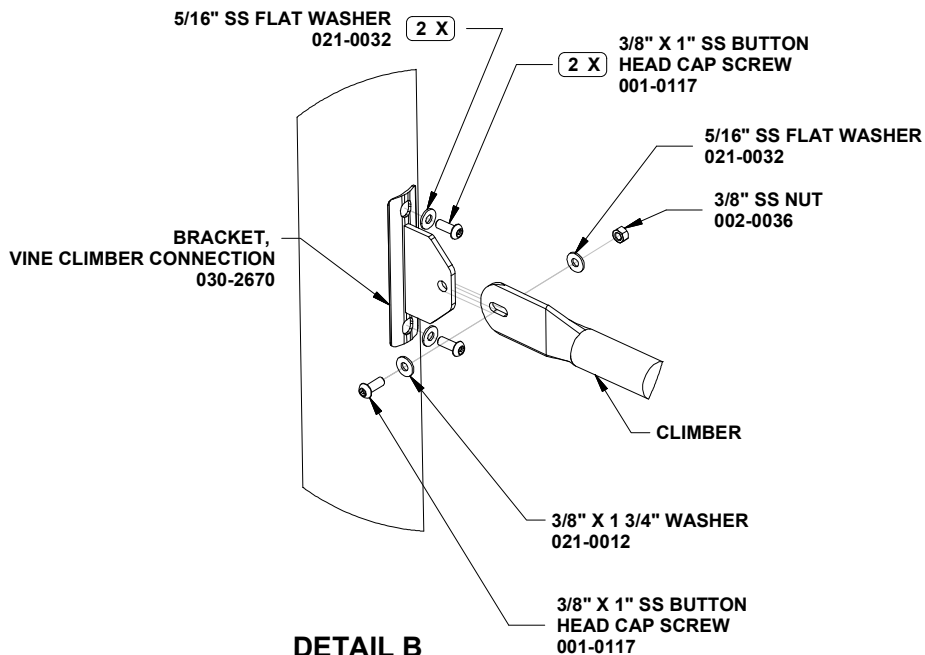
OFFSET	L
40" [1016]	81 5/8" [2073]
32" [813]	85 1/2" [2172]
24" [610]	88 3/8" [2245]
16" [407]	90 3/8" [2295]
8" [203]	91 1/2" [2324]
0" [0]	91 7/8" [2334]
-8" [-203]	91 1/2" [2324]
-16" [-407]	90 3/8" [2295]
-24" [-610]	88 3/8" [2245]
-32" [-813]	85 1/2" [2172]
-40" [-1016]	81 5/8" [2073]

370-0171

TRANGO CLIMBER, CENTER MOUNT TO POST



**DETAIL A
(2 PLACES)**



**DETAIL B
(2 PLACES)**

370-0171 TRANGO CLIMBER, CENTER MOUNT TO POST

PARTS LIST

PART NO.	DESCRIPTION	QTY
020-0128	ROPE ASSEMBLY, TAB TO TAB 84 11/16"	1
030-2670	BRACKET, VINE CLIMBER CONNECTION	2
030-2671	WELDMENT, VINE CLIMBER	1
030-2694	BRACKET, YOKE CONNECTION 1 3/4" X 7 1/4"	2
036-0040	HARDWARE PACKAGE	3
036-0879	HARDWARE PACKAGE	1
036-2006	HARDWARE PACKAGE	2

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

ROPE ASSEMBLY, TAB TO TAB 84 11/16": Rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.

BRACKET, ROPE CONNECTION; BRACKET VINE CLIMBER CONNECTION: One piece all welded construction consisting of a formed 3/16" stainless steel plate and a 8 GA galvanized steel sheet. Finished with a baked on powder coating.

WELDMENT, VINE CLIMBER: One piece all welded construction consisting of 1.660" OD x 12 GA & 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

BRACKET, YOKE CONNECTION 1 3/4" X 7 1/4": One piece all welded construction consisting of 3/8" thick stainless steel and formed 7 GA stainless steel sheet. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

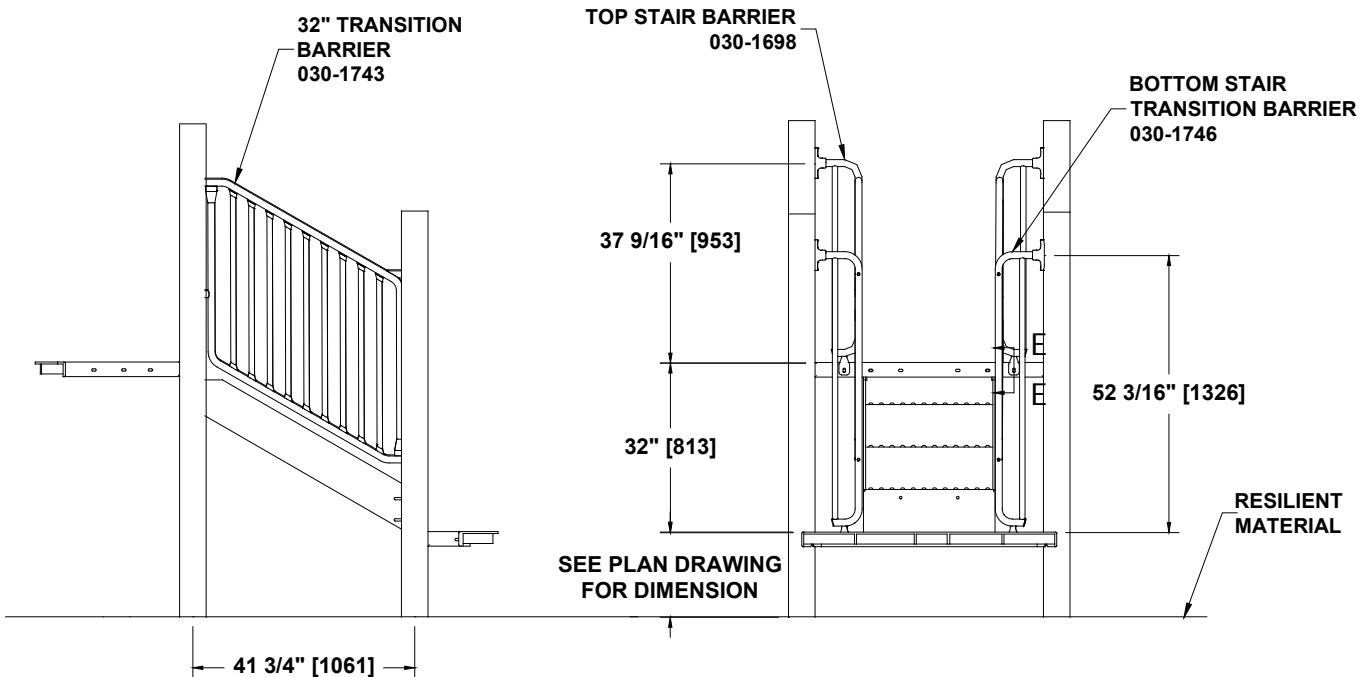
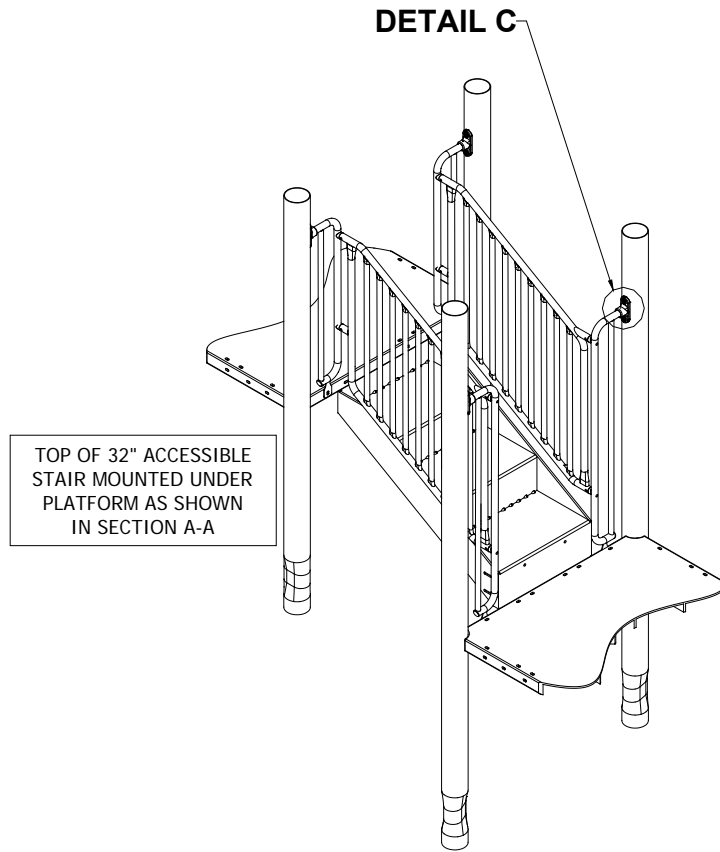
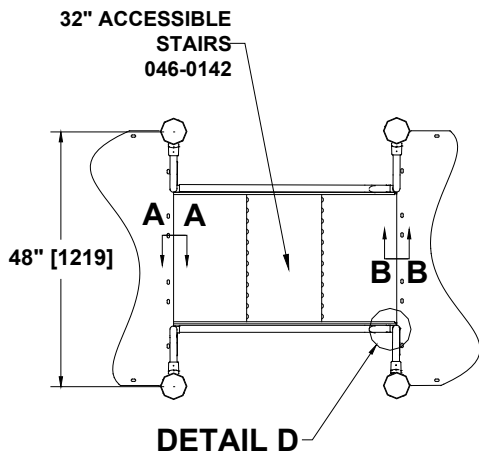
HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 34 LBS.

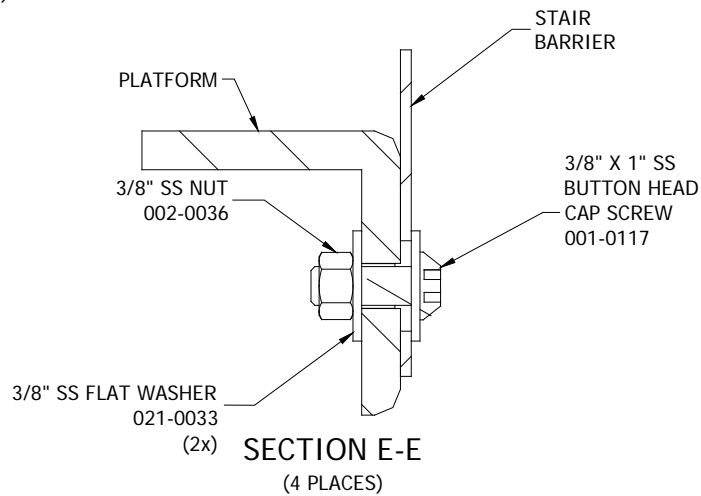
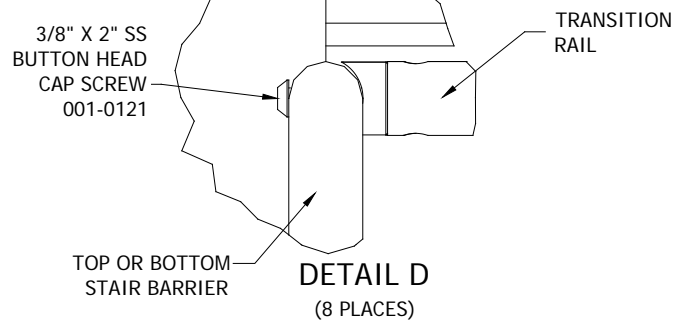
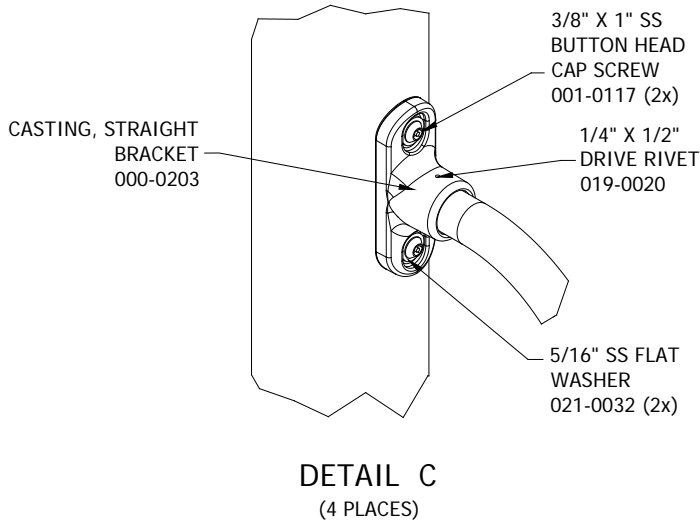
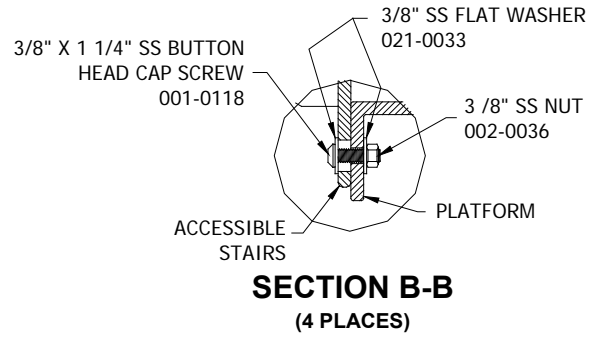
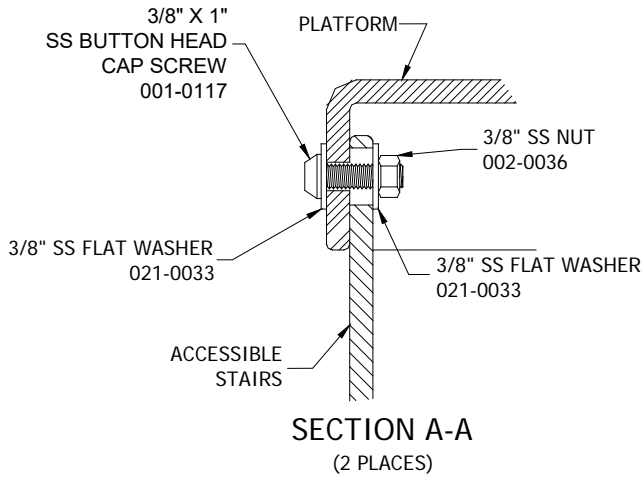
INSTALLATION INSTRUCTIONS

NOTE: Don't attach hardware until instructed to do so.

1. Attach ROPE ASSEMBLY to BRACKET, YOKE CONNECTION and WELDMENT, VINE CLIMBER to BRACKET, VINE CLIMBER CONNECTION using hardware specified in DETAILS A & B.
2. Tighten all hardware.
3. Spray drive rivet locations with touch-up paint.
4. **Install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



370-0468
32" TRANSITION STAIR W/BARRIERS



370-0468

32" TRANSITION STAIR W/BARRIERS

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	4
030-1698	TOP STAIR BARRIER	2
030-1743	32" TRANSITION BARRIER	2
030-1746	BOTTOM STAIR TRANSITION BARRIER	2
036-1125	HARDWARE PACKAGE	1
046-0142	32" 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.

TOP STAIR BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

32" TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing, malleable iron plug and 10 GA galvanized steel plate. Finished with a baked on powder coating.

BOTTOM STAIR TRANSITION BARRIER: One piece all welded construction consisting of 1.315" OD x 12 GA & 1.029" OD x 12 GA galvanized steel tubing and 10 GA galvanized steel plate. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel screws, nuts & washers and aluminum rivets with 302 stainless steel pin.

32" ACCESSIBLE STAIRS: One piece all welded construction consisting of 12 GA HRPO steel surfaces, sides, and gussets. PVC coated after fabrication.

SHIPPING WEIGHT: 216 LBS.

INSTALLATION INSTRUCTIONS

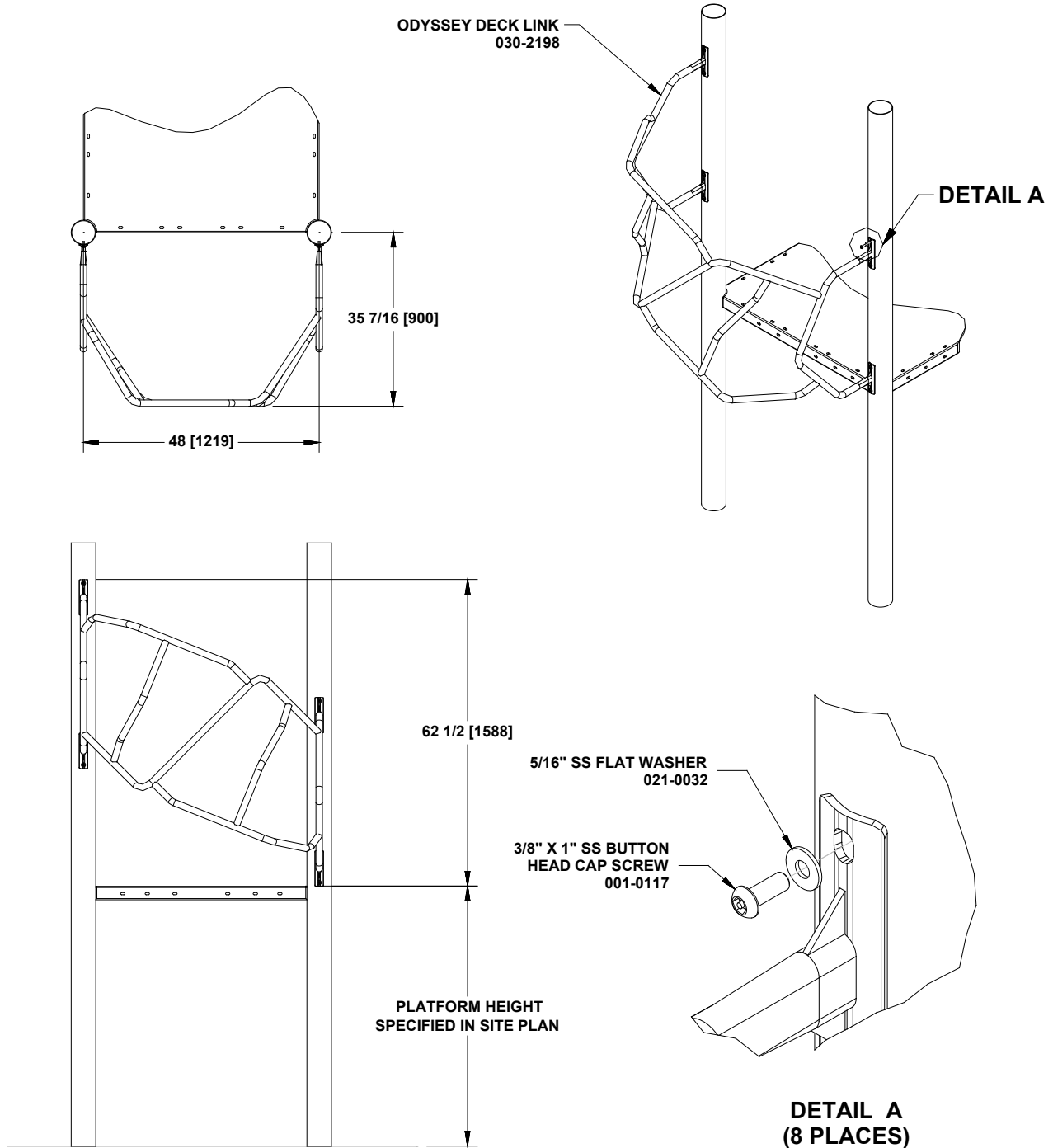
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Install platforms. See appropriate installation instructions.
2. Attach 32" ACCESSIBLE STAIRS to upper platform using 3/8" x 1" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. **NOTE: Make sure the stairs are centered between the posts.** See SECTION A-A.
3. Attach 32" accessible stairs to lower platform using 3/8" x 1 1/4" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. **NOTE: Make sure the stairs are centered between the posts.** See SECTION B-B.
4. Attach STRAIGHT BRACKET CASTINGS to 5" OD posts using 3/8" x 1" SS button head cap screws and 5/16" SS washers. See DETAIL C.
5. Attach TOP STAIR BARRIER to 32" TRANSITION BARRIER using 3/8" x 2" SS button head cap screws. See DETAIL D.
6. Attach BOTTOM STAIR TRANSITION BARRIER to 32" TRANSITION BARRIER using 3/8" x 2" SS button head cap screws. See DETAIL D.
7. Sleeve TOP STAIR BARRIER and BOTTOM STAIR TRANSITION BARRIER into straight bracket castings. Attach bottom of barriers to platforms using 3/8" x 1" SS button head cap screw, 3/8" SS flat washers and 3/8" SS nuts. See FRONT PAGE of this installation print for orientation. Also see DETAIL C and SECTION E-E.
8. Repeat steps 5 thru 7 for the opposite side of the stair.
9. Tighten all hardware.
10. Drill 1/4" diameter holes thru brackets and barriers. Insert 1/4" diameter drive rivets and pound center pins flush to engage rivets. Apply touch up paint to exposed heads of rivets.
11. **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.



370-0763 ODYSSEY DECK LINK

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
030-2198	ODYSSEY DECK LINK	1
036-0258	HARDWARE PACKAGE	4

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

ODYSSEY DECK LINK: One piece all welded construction consisting 1.315 OD x 12 GA galvanized steel tubing, 10 GA galvanized steel plate and 7 GA stainless steel plate. Finished with a baked on powder coating.

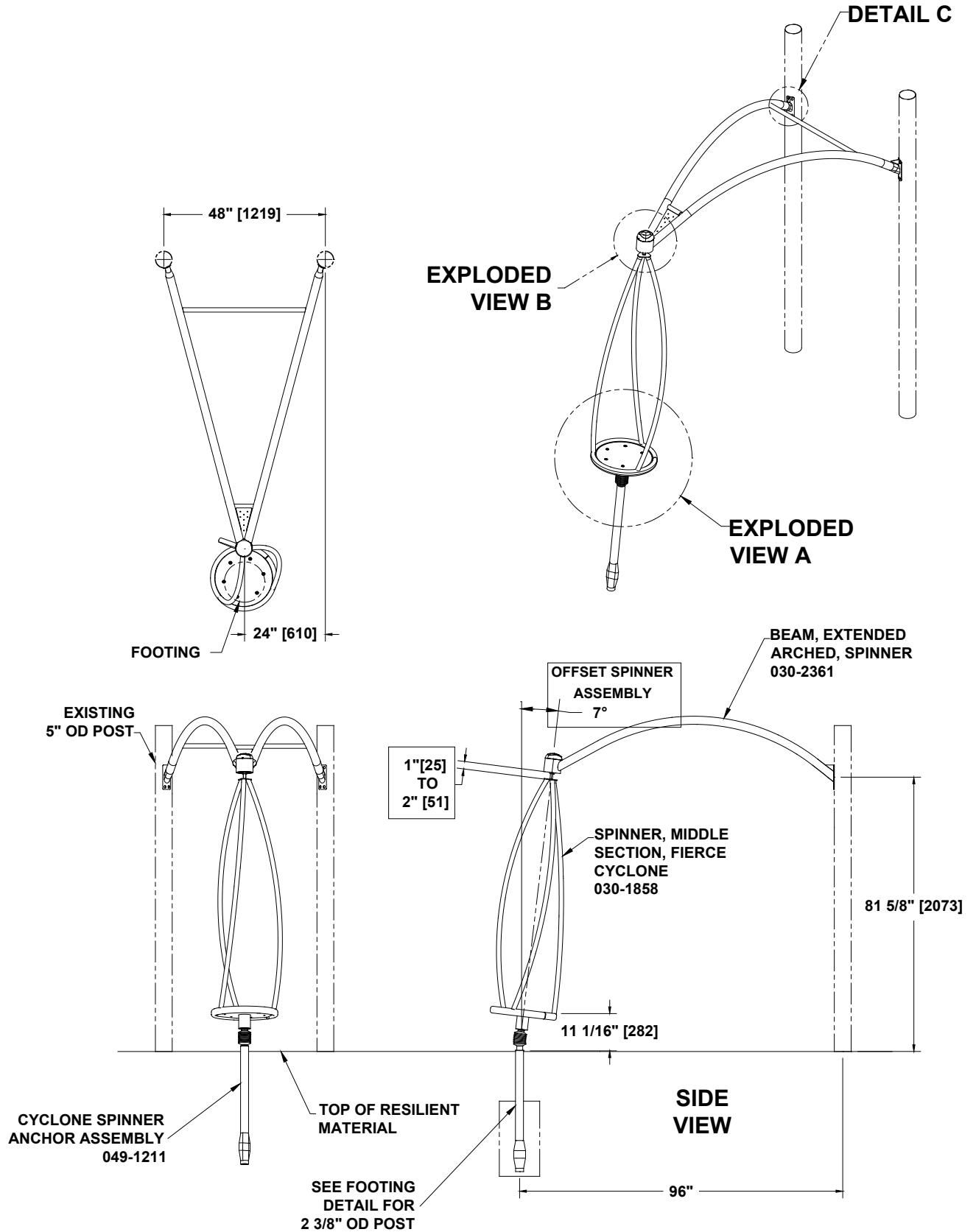
HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 41 LBS.

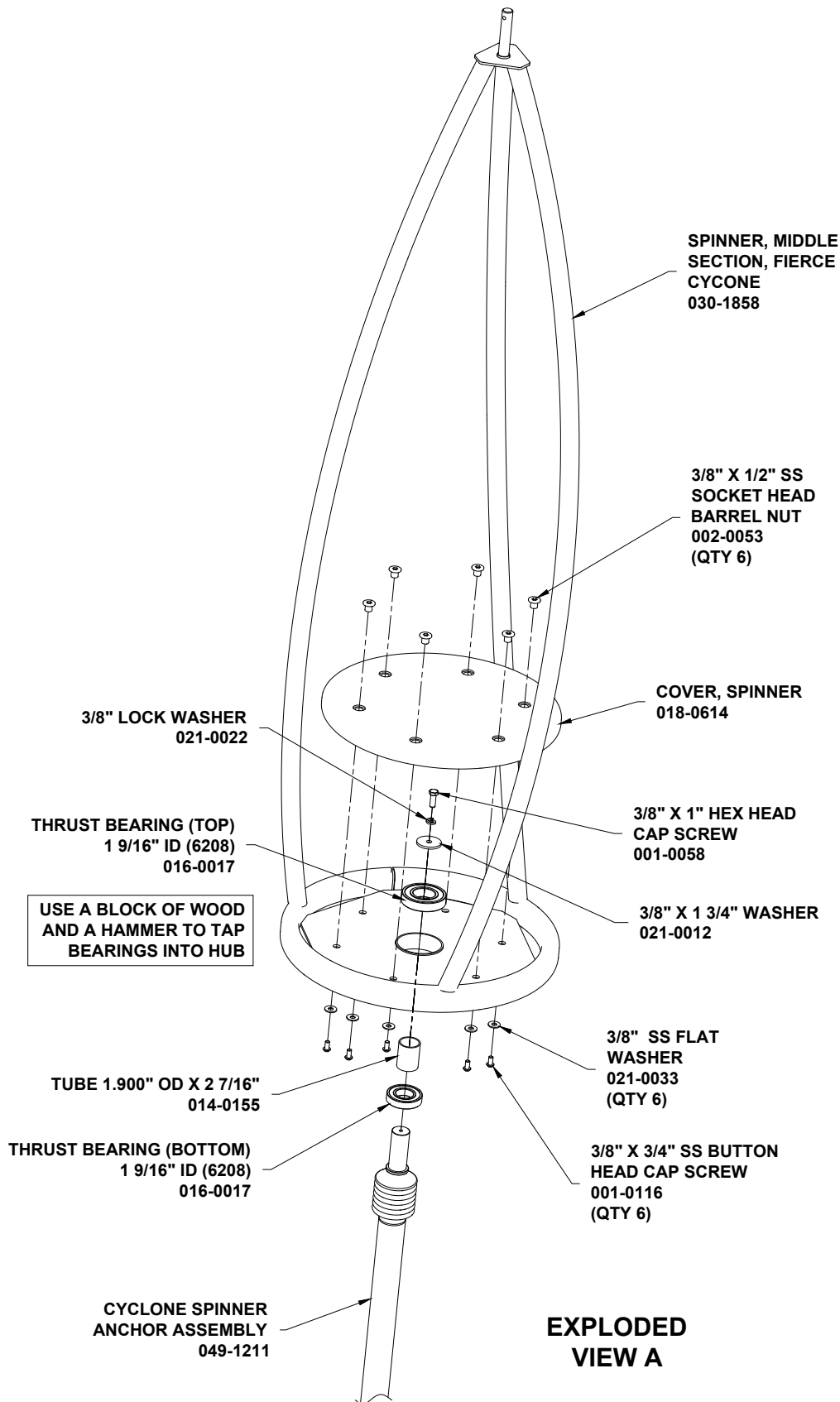
INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

1. Locate the double sets of mounting holes in each post.
2. Attach ODYSSEY DECK LINK using hardware shown in DETAIL A.
3. Tighten all hardware.
4. Pour concrete. Let set for two to three days.
5. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

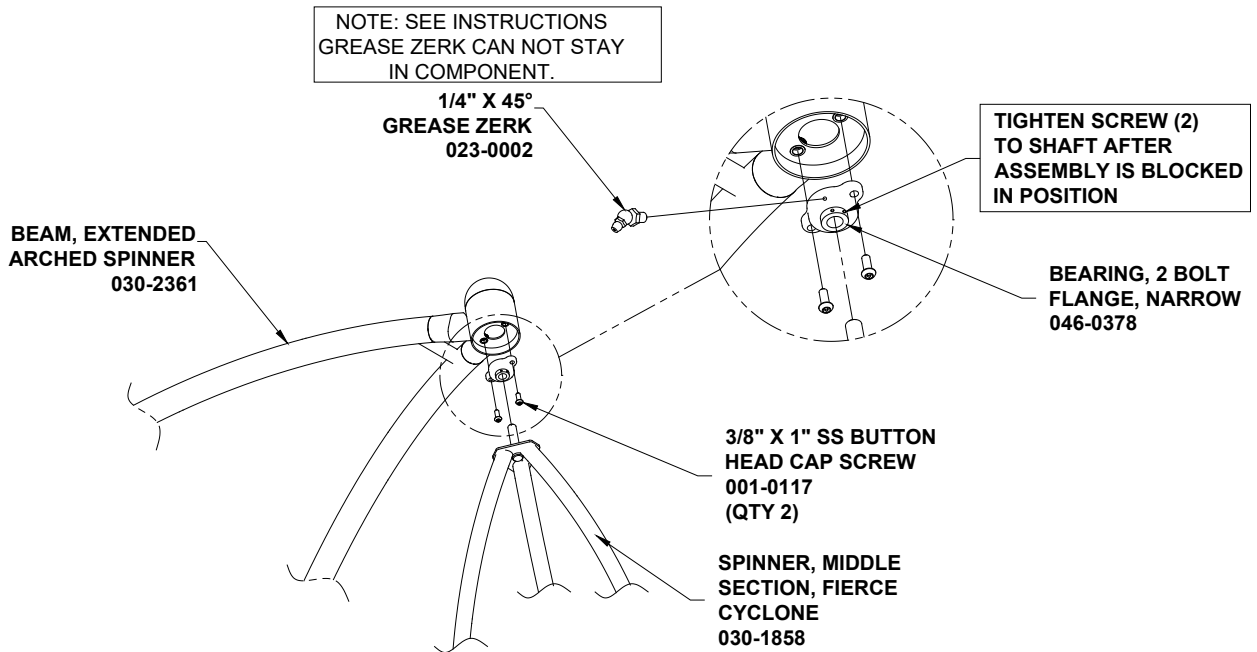


370-1581 SPINNER, FIERCE CYCLONE

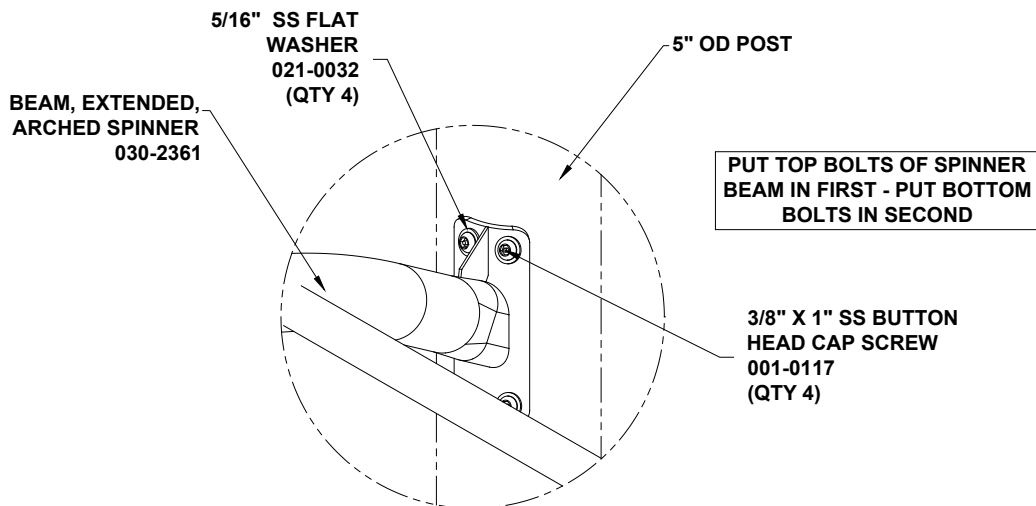


EXPLODED VIEW A

370-1581 SPINNER, FIERCE CYCLONE



**EXPLODED
VIEW B**



**DETAIL C
(2 PLACES)**

370-1581 SPINNER, FIERCE CYCLONE

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
014-0155	TUBE, 1.900" OD X 11 GA X 2 7/16"	1
016-0017	THRUST BEARING 1 9/16" ID	2
018-0614	COVER, SPINNER	1
023-0002	1/4" X 45° GREASE ZERK	1
030-1858	SPINNER, MIDDLE SECTION, FIERCE CYCLONE	1
030-2361	BEAM, EXTENDED ARCH, SPINNER	1
036-0815	HARDWARE PACKAGE	1
036-0838	HARDWARE PACKAGE	1
036-1242	HARDWARE PACKAGE	1
036-0258	HARDWARE PACKAGE	3
046-0378	BEARING, 2 BOLT FLANGE, NARROW	1
049-1211	CYCLONE SPINNER ANCHOR ASSEMBLY	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

TUBE, 1.900" OD X 11 GA X 2 7/16": 1.900" OD x 11 GA galvanized steel tube.

THRUST BEARING 1 9/16" ID: Heavy duty, precision thrust, sealed ball bearing.

COVER, SPINNER: 3/4" extruded HDPE

1/4" X 45° GREASE ZERK: Zinc plated steel.

SPINNER, MIDDLE SECTION, FIERCE CYCLONE: One piece all welded construction consisting of formed 1.660" OD x 12 GA & 1.315" OD x 12 GA galvanized steel tubing, 3 1/2" OD x 3/8" wall DOM steel tubing and 1/4" HR steel plate. Finished with a baked on powder coating.

BEAM, EXTENDED ARCH, SPINNER: One piece all welded construction consisting of formed 2 3/8" OD x 10 GA & 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.

BEARING, 2 BOLT FLANGE, NARROW: PBT Thermoplastic housing, Zinc coated insert, sealed bearing

CYCLONE SPINNER ANCHOR ASSEMBLY: Assembly consisting of an anchor weldment, rubber boot, malleable iron universal joint, bearings, stainless steel set screws and CF steel shaft.

SHIPPING WEIGHT: 155 LBS.

INSTALLATION INSTRUCTIONS

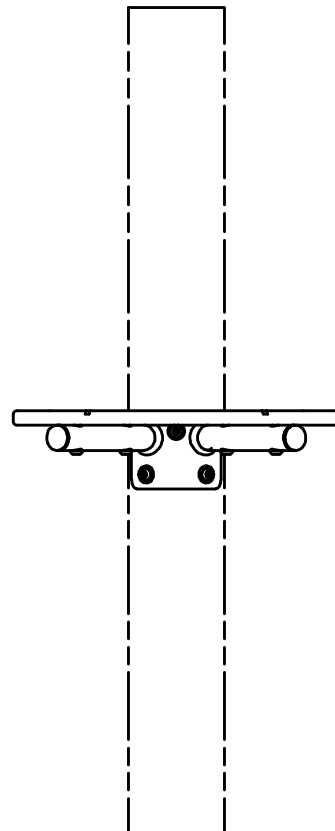
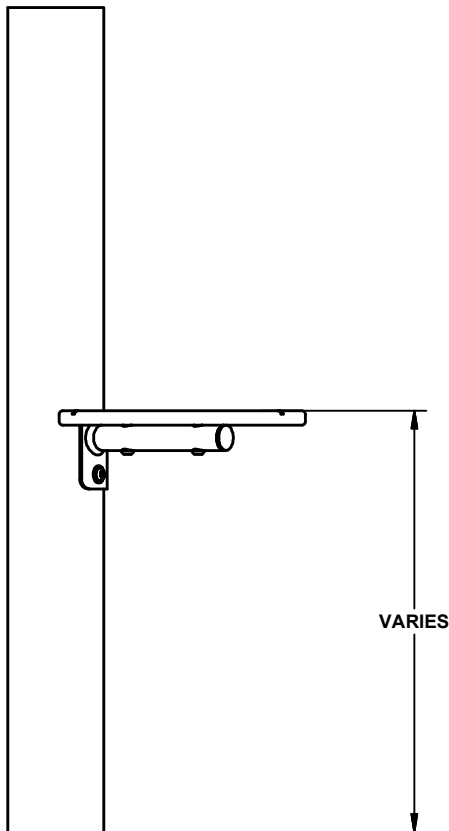
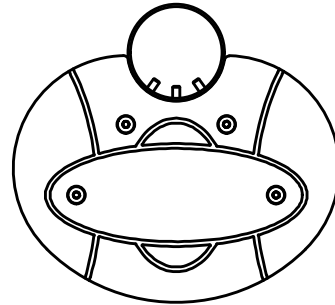
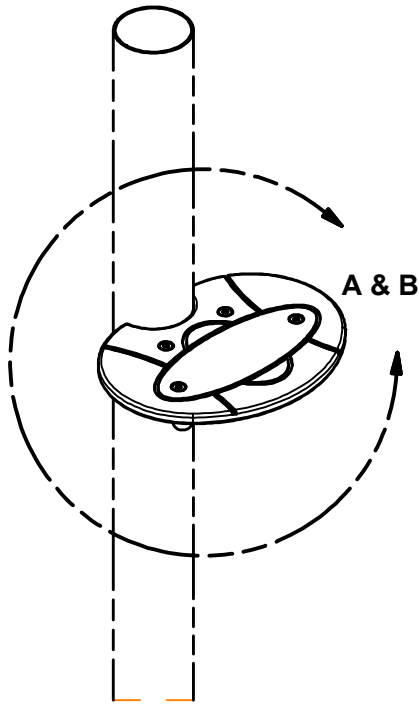
1. Dig footing holes per dimensions shown. See typical concrete footing details for 2 3/8" tubing which are located in the preface of your installation manual.
2. Attach BEAM, EXTENDED ARCH, SPINNER to posts using 3/8" x 1" SS button head cap screws and 5/16" SS flat washers. Tighten hardware. See DETAIL C.
3. Remove steel plug from side of 2 BOLT FLANGE BEARING and insert 1/4" X 45° GREASE ZERK to 2 bolt flange bearing. See EXPLODED VIEW B. Add grease as necessary.

NOTE: Grease zerk is provided so that the Flange Bearing on the Spinner Shaft can be lubricated during periodic maintenance.

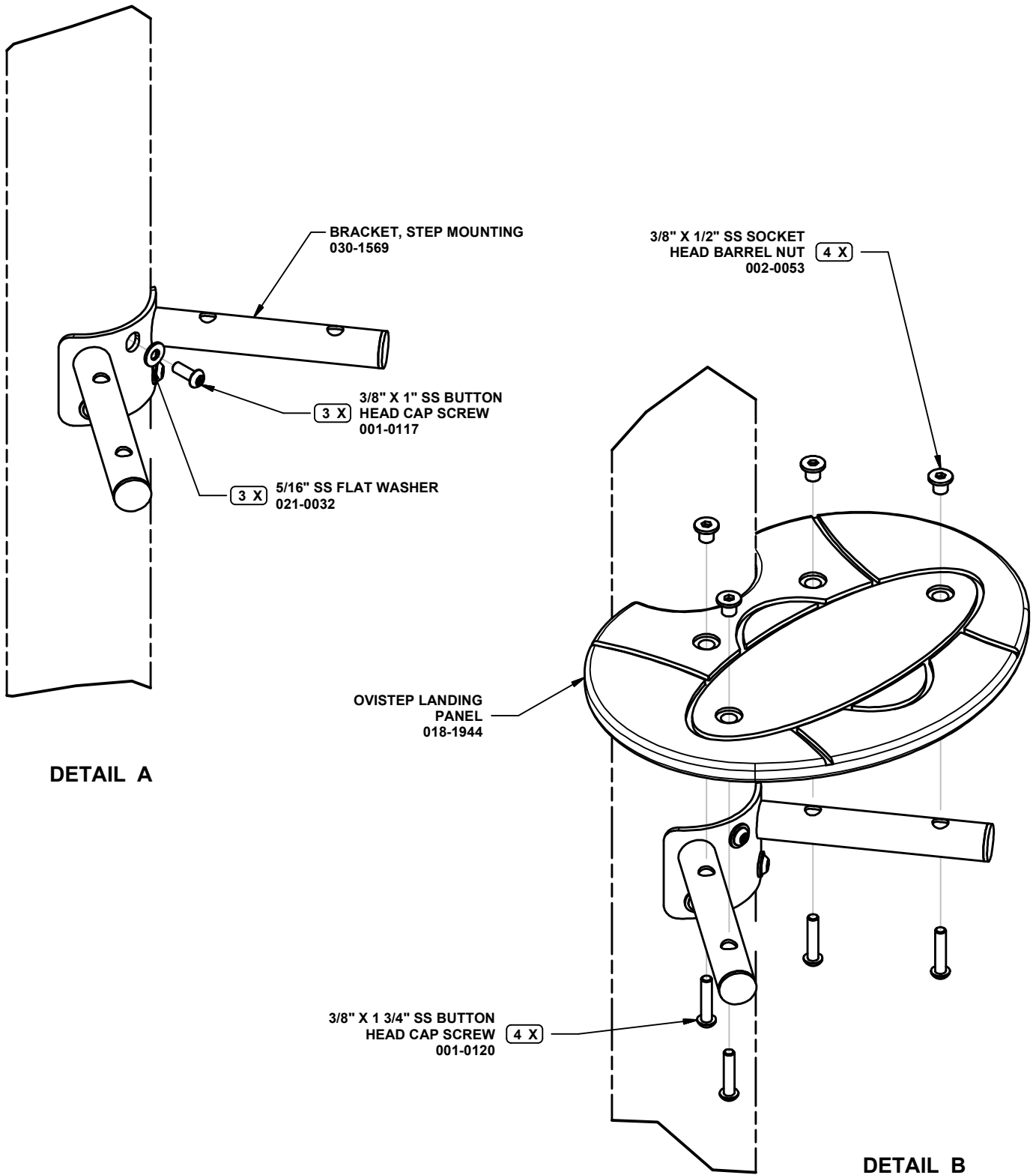
1. Remove set screw from hub.
2. Screw in grease zerk.
3. Insert general purpose grease into grease zerk from hand grease gun.
4. Remove grease zerk and re-insert set screw flush with bearing hub surface.

NOTE: Keep grease zerk in a safe place and save for next maintenance period.

4. Attach 2 bolt flange bearing to ARCHED BEAM using 3/8" x 1" SS button head cap screws. Tighten hardware. See EXPLODED VIEW B.
5. Attach SPINNER MIDDLE SECTION to the CYCLONE SPINNER ANCHOR ASSEMBLY with all the parts in-between. Tighten hardware. See EXPLODED VIEW A.
6. Put Anchor section of Spinner Middle Section assembly into the footing hole. Push assembly up so shaft of Spinner Middle Section goes into the Flange Bearing on the Arched Beam. Ensure that there is 1" to 2" of space between Arched Beam and to bar of the Spinner Middle Section. See EXPLODED VIEW B & SIDE VIEW.
7. Block up Spinner Middle Section assembly. Ensure there is a 7 degree offset. Tighten set screws. See EXPLODED VIEW B & SIDE VIEW.
8. Pour concrete and allow concrete to set for 2-3 days.
9. **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

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
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.

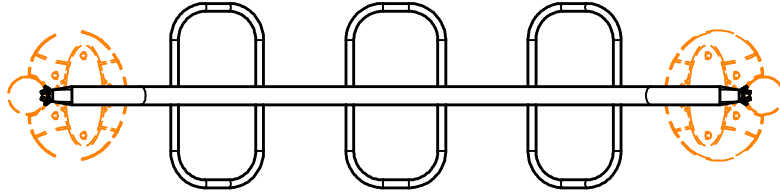
BRACKET, STEP MOUNTING: One piece all welded construction consisting of 10 GA galvanized sheet steel, 7 GA stainless steel sheet and 1.315" OD x 12 GA galvanized steel tubing. Finished with a baked on powder coating.

HARDWARE PACKAGE: Stainless steel.

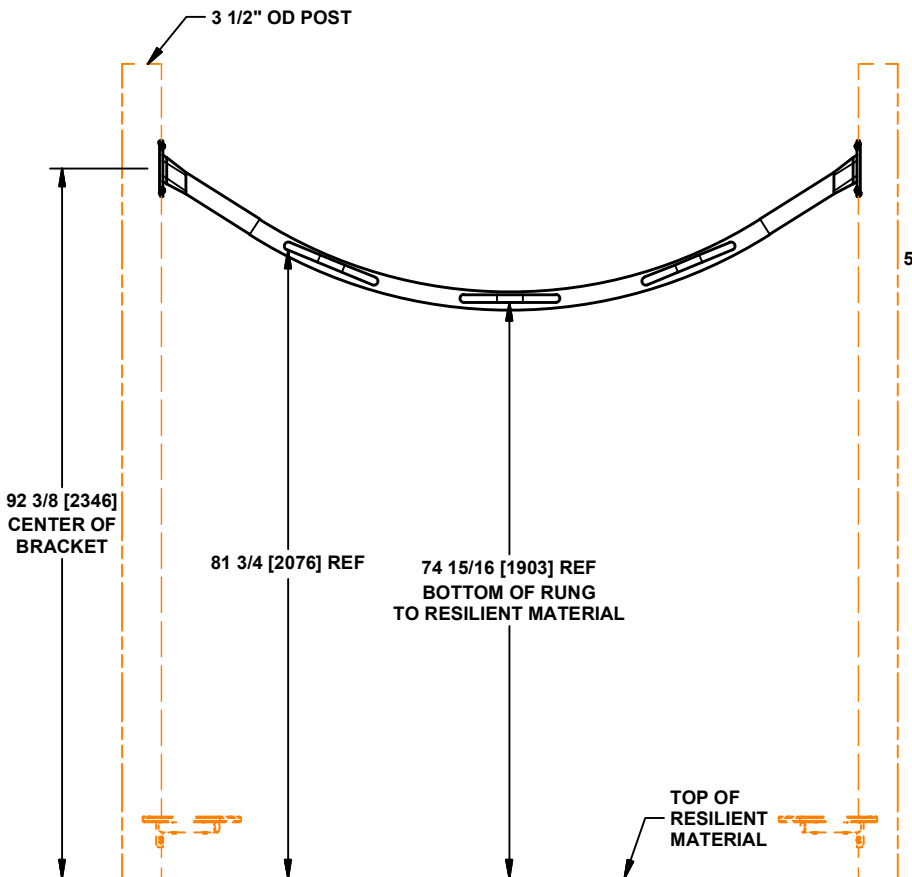
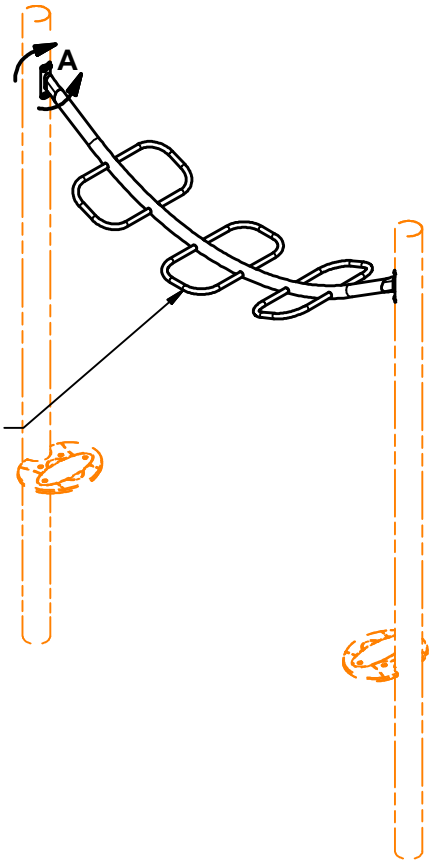
SHIPPING WEIGHT: 9.55 LBS.

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.**

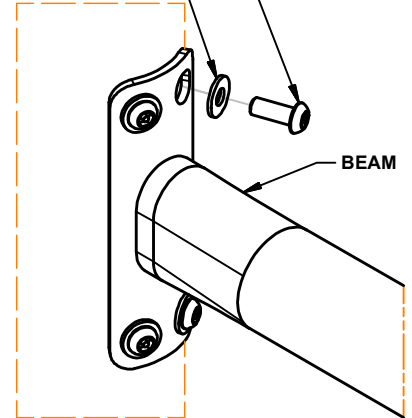


OVERHEAD BEAM,
ATHLETIC ARCH
030-0028



3/8" X 1" SS BUTTON
HEAD CAP SCREW 4 X
001-0117

5/16" SS FLAT WASHER 4 X
021-0032



DETAIL A
(2 PLACES)

370-1610 ATHLETIC ARCH OH

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-0028	OVERHEAD BEAM, ATHLETIC ARCH	1
036-0258	HARDWARE PACKAGE	4

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

OVERHEAD BEAM, ATHLETIC ARCH: One piece all welded construction consisting of 2 3/8" OD x 10 GA & 1.029" OD x 14 GA galvanized steel tubing, and 7 GA galvanized steel plate. Finished with a baked on powder coating.

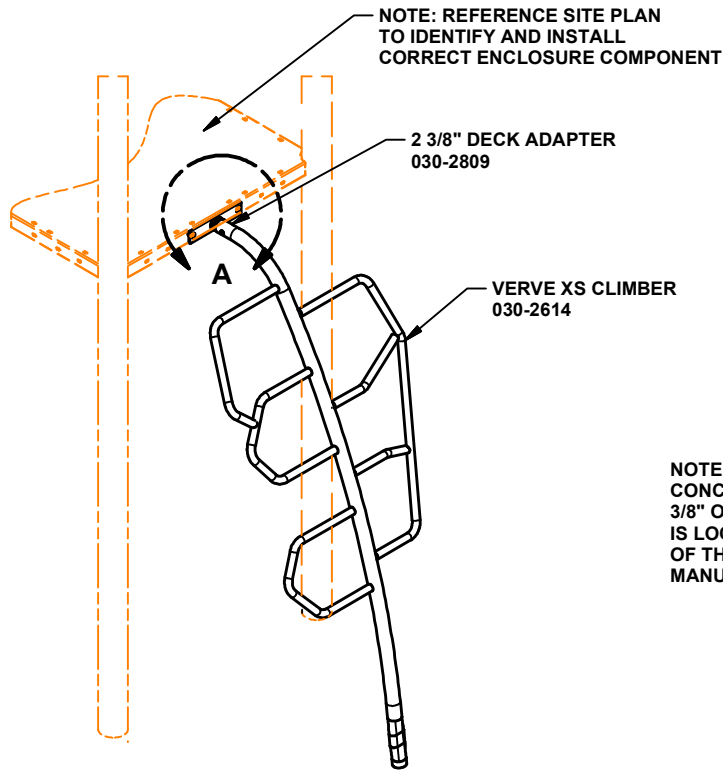
HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 46 LBS.

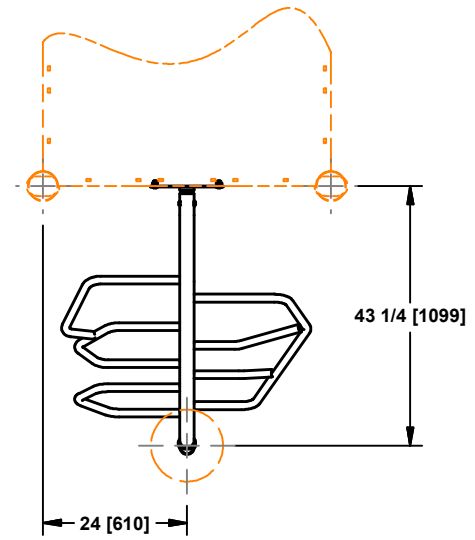
INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

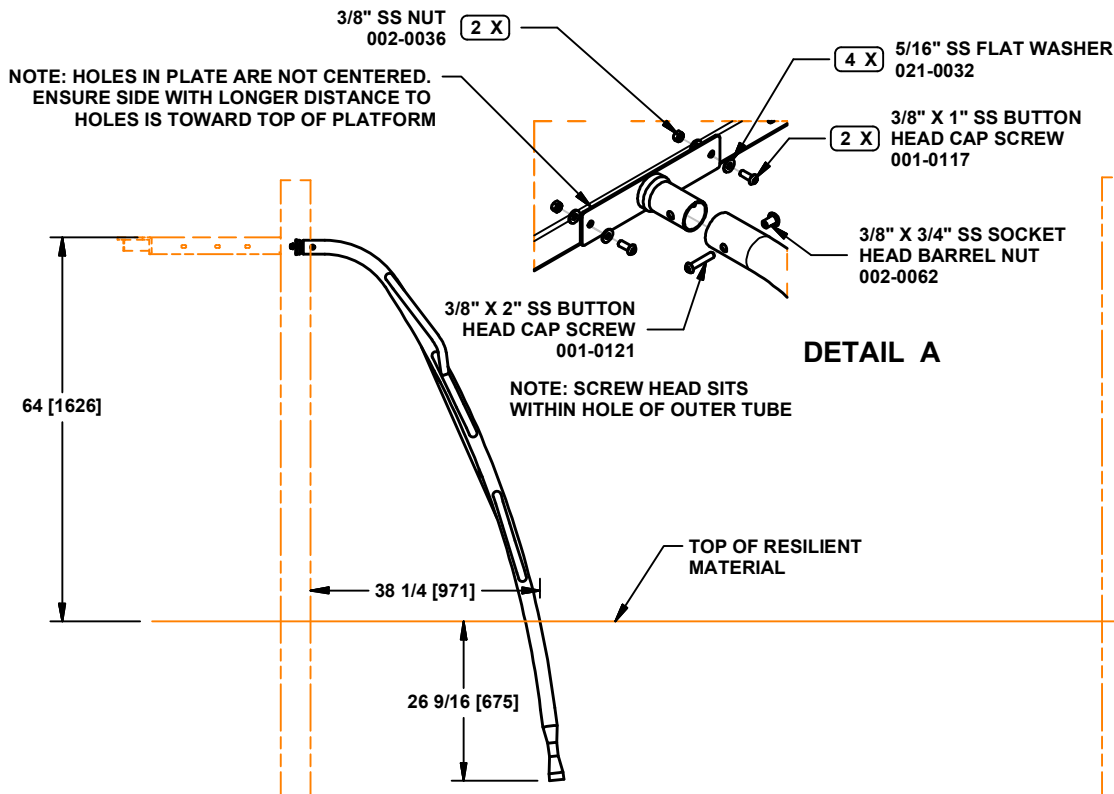
1. Attach OVERHEAD BEAM, ATHLETIC ARCH to posts using hardware specified in DETAIL A.
2. Plumb and level components. Tighten all hardware.
3. Pour concrete and allow concrete to set for 2-3 days.
4. **Install resilient surfacing material in accordance to installation guidelines, ASTM standards, CPSC guidelines.**



NOTE: REFER TO TYPICAL CONCRETE FOOTINGS FOR 2 3/8" OD TUBING, WHICH IS LOCATED IN THE PREFACE OF THE INSTALLATION MANUAL.

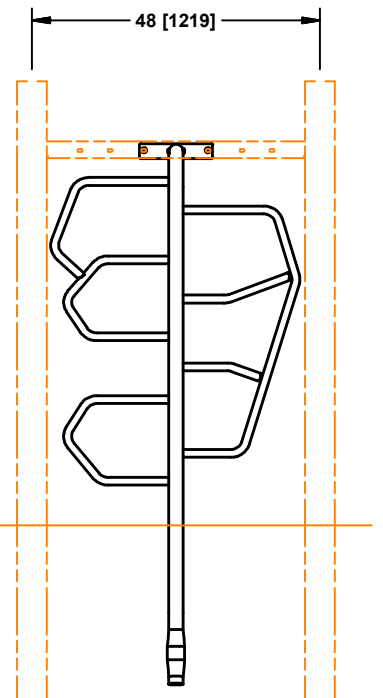


TOP VIEW



DETAIL A

SIDE VIEW



FRONT VIEW

370-1641 VERVE XS CLIMBER 64" DK

PARTS LIST

PART NO.	DESCRIPTION	QTY
030-2614	VERVE XS CLIMBER	1
030-2809	2 3/8" DECK ADAPTER	1
036-0880	HARDWARE PACKAGE	1
036-2006	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

VERVE XS CLIMBER: One piece all welded construction consisting of 2 3/8" OD x 12 GA galvanized steel tubing and 1.315" OD x 14 GA galvanized steel tubing. Finished with baked on powder coat.

2 3/8" DECK ADAPTER: One piece all welded construction consisting of 10 GA galvanized steel plate and 2 3/8" X 12 GA swaged tube finished with a baked-on powder coat.

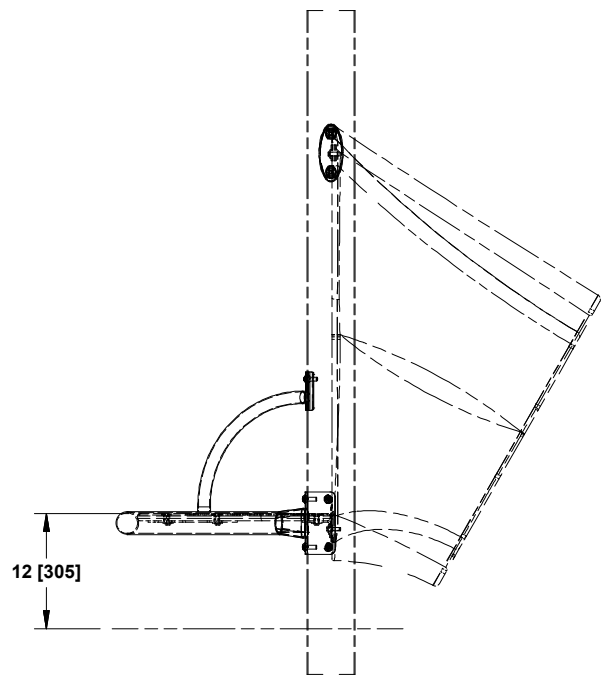
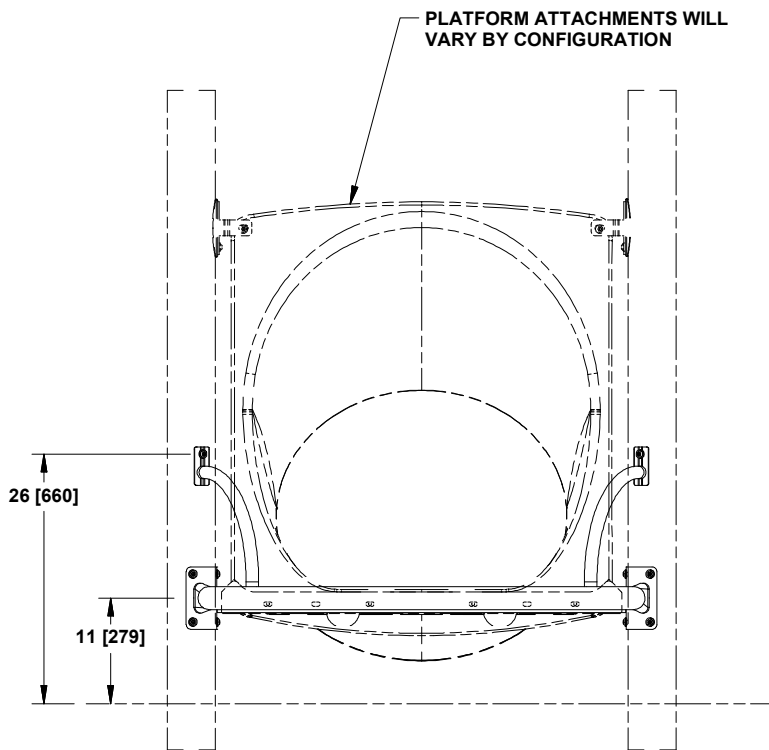
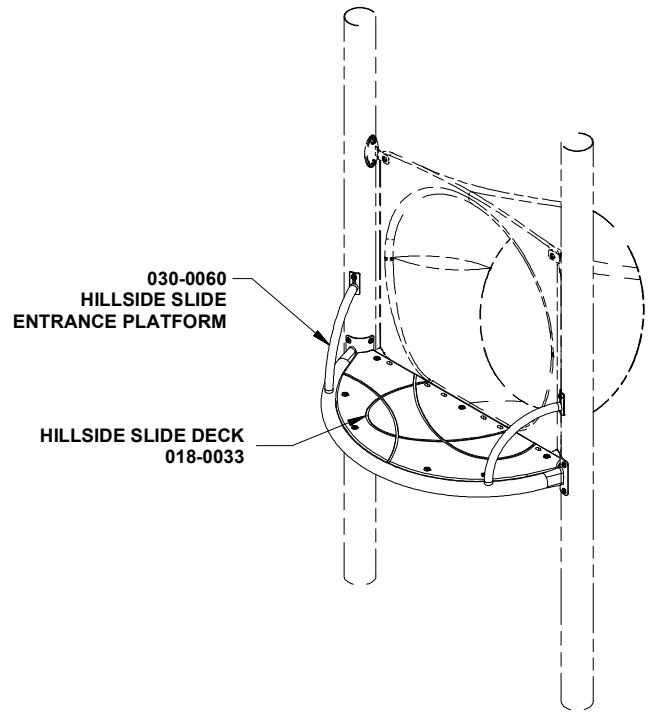
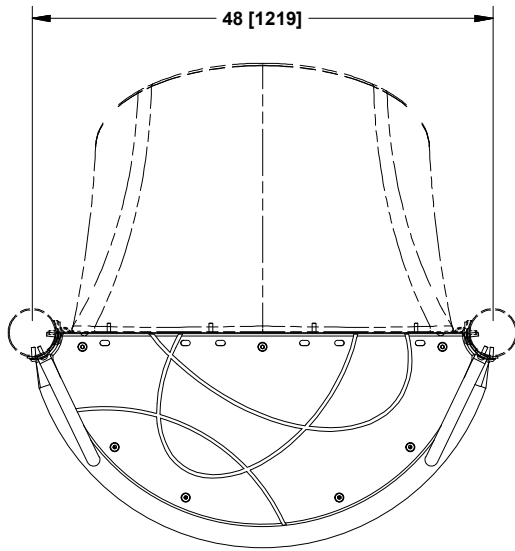
HARDWARE PACKAGES: Stainless Steel

SHIPPING WEIGHT: 47 LBS.

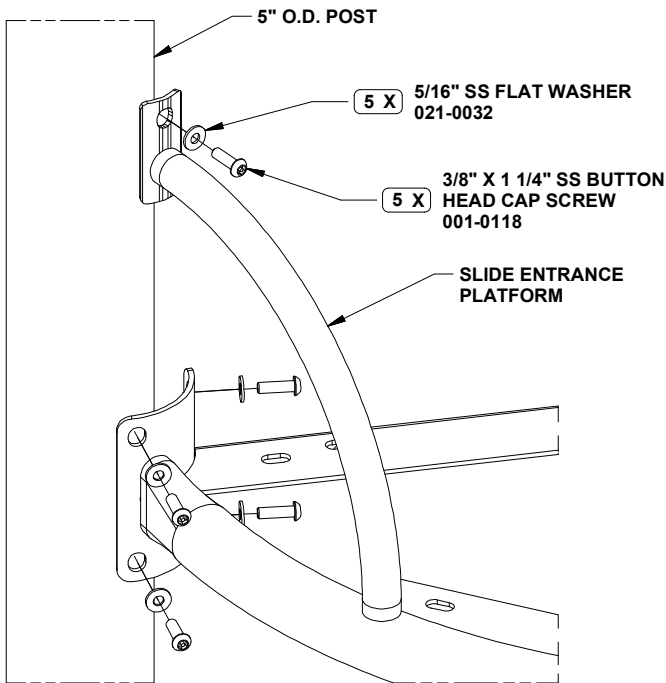
INSTALLATION INSTRUCTIONS

NOTE: DO NOT TIGHTEN HARDWARE UNTIL INSTRUCTED TO DO SO

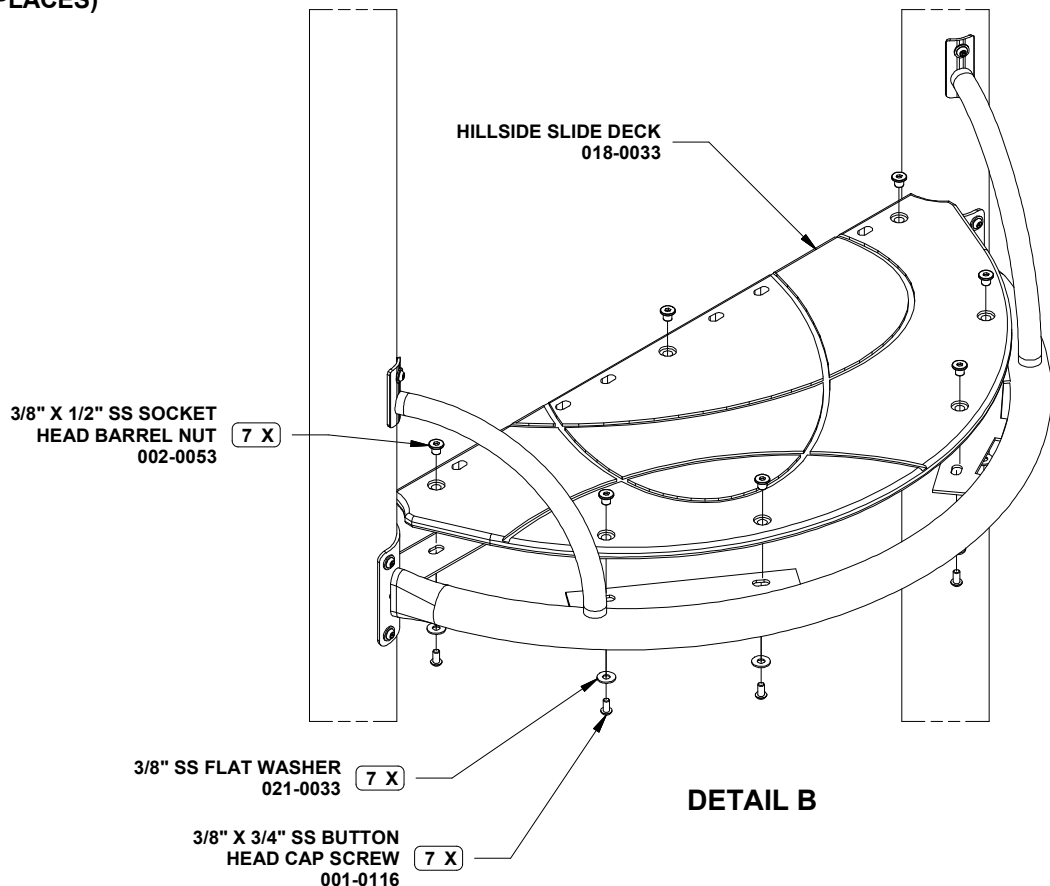
1. Dig footing holes per dimensions shown in TOP VIEW. Refer to typical concrete footings for 2 3/8" OD posts located in the preface of the installation manual.
2. Attach VERVE XS CLIMBER to 2 3/8" DECK ADAPTER using the hardware specified in DETAIL A.
3. Position assembly into footing hole and attach 2 3/8" DECK ADAPTER to PLATFORM using hardware specified in DETAIL A.
4. Tighten all hardware
5. Block up, level, and plumb main tube of climber ensuring the bottom rungs are level.
6. Pour concrete and allow concrete to set for 2-3 days.
7. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



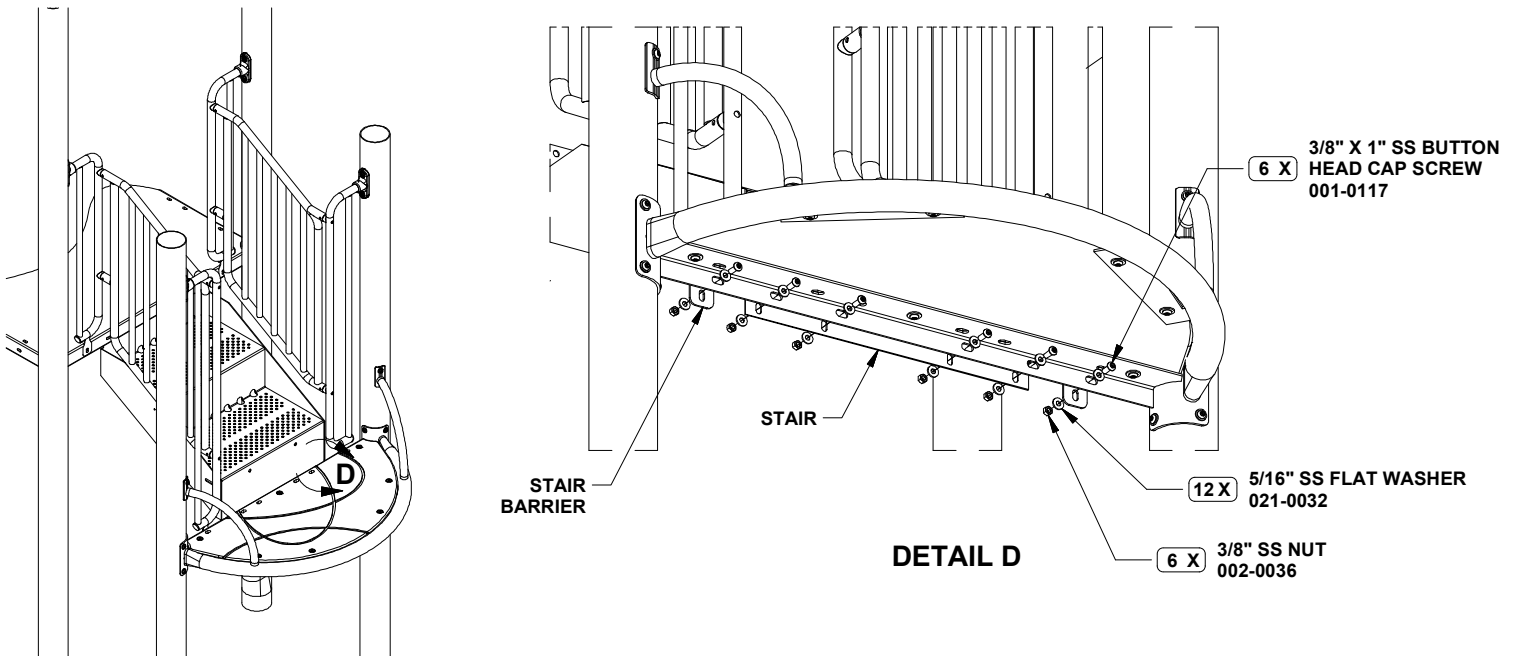
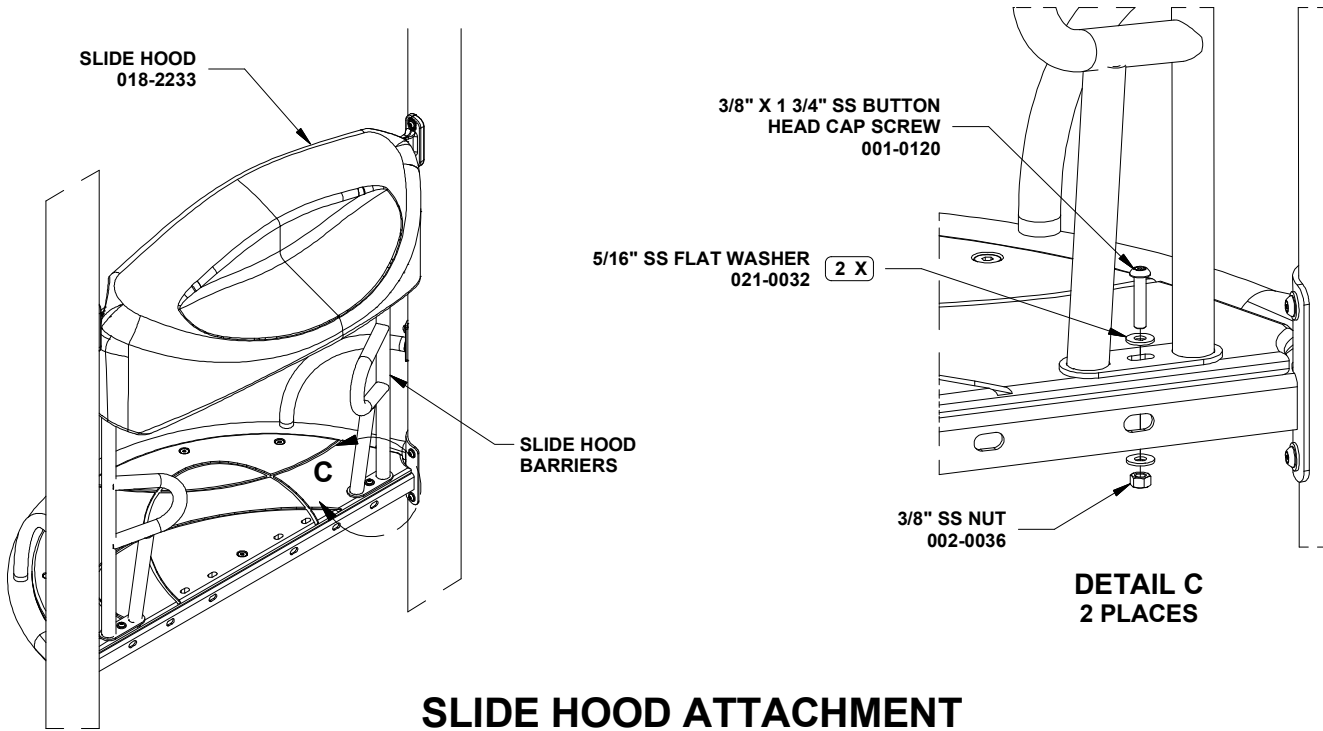
470-0075 CRESCENT PLATFORM



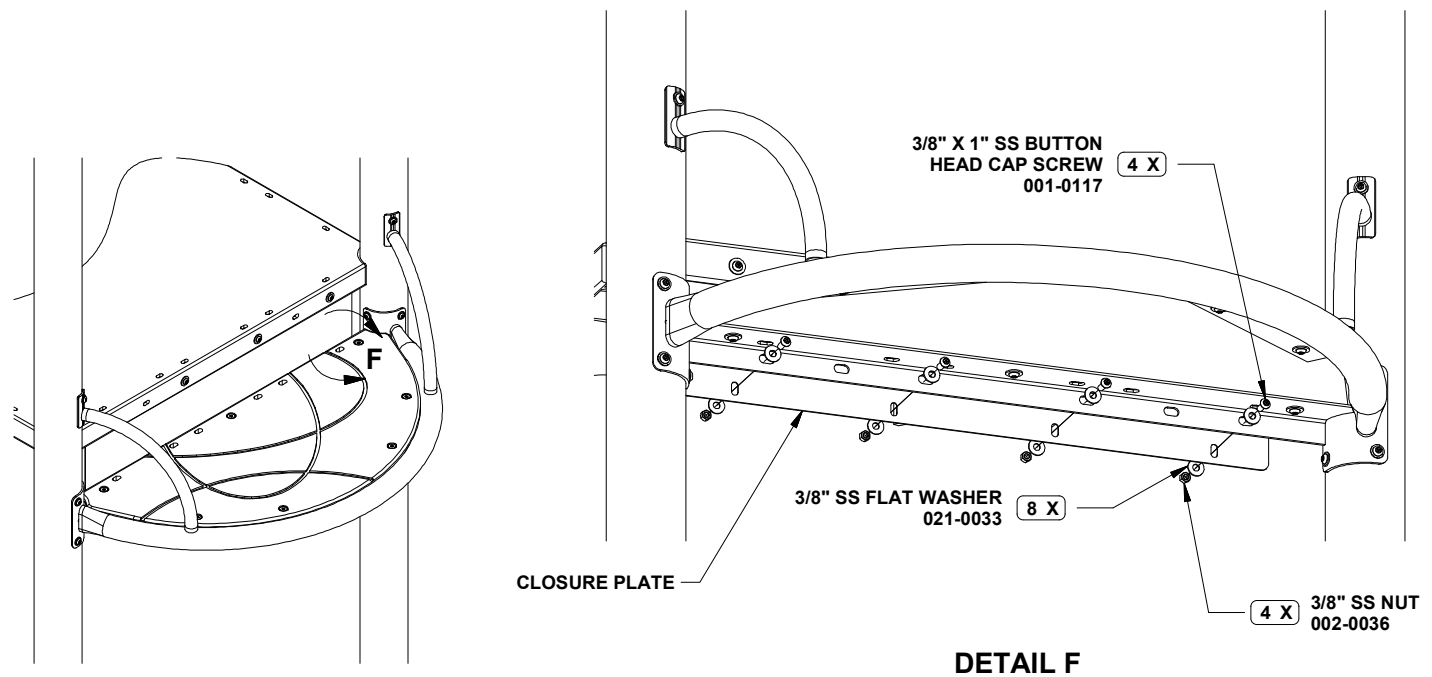
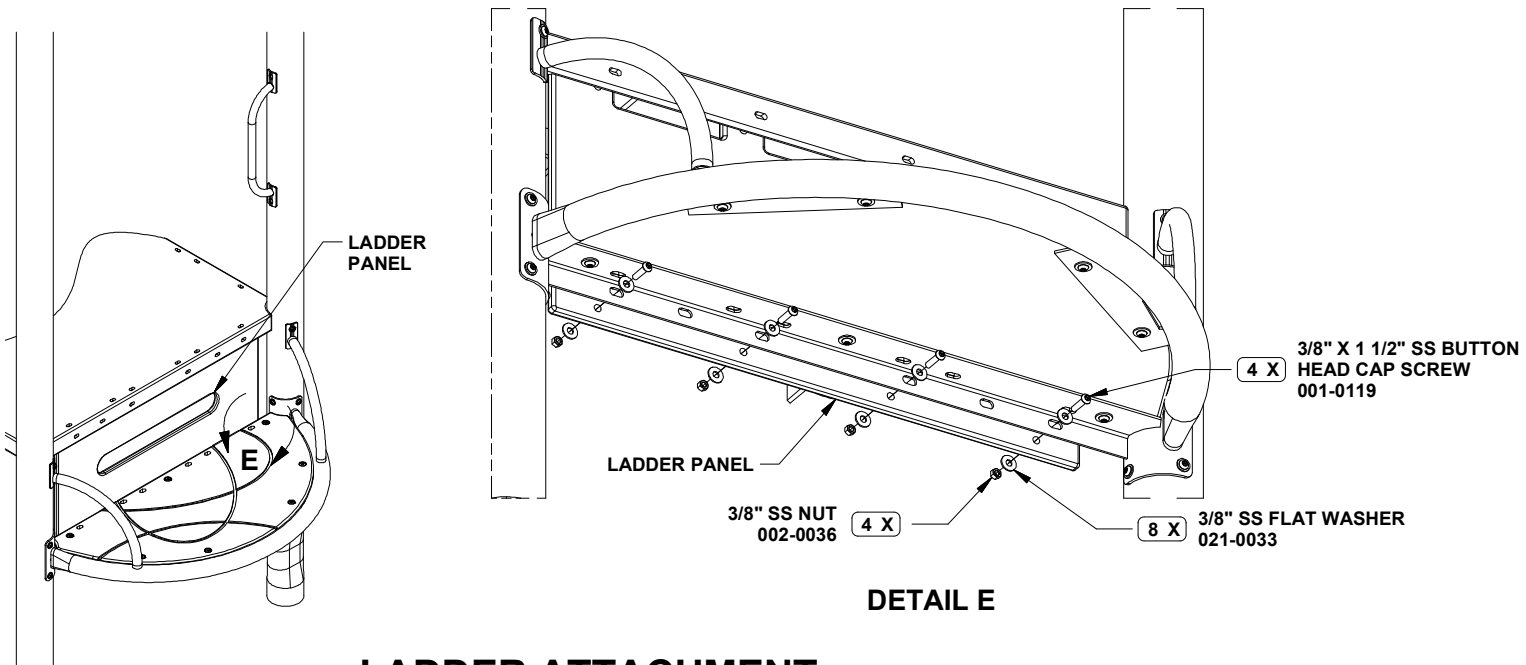
DETAIL A
(2 PLACES)



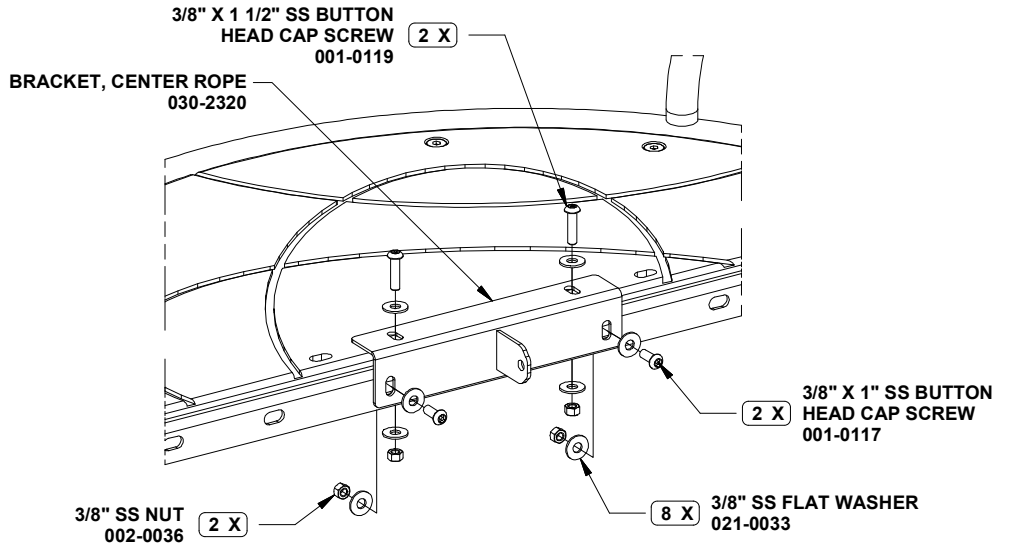
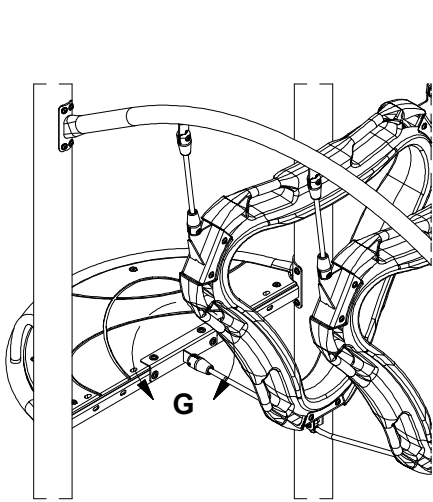
470-0075 CRESCENT PLATFORM



470-0075 CRESCENT PLATFORM

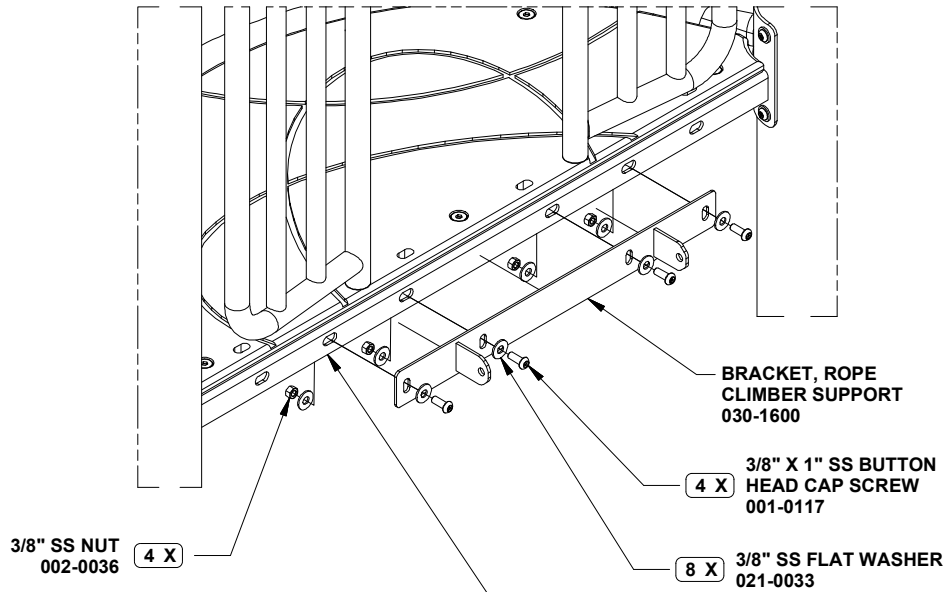
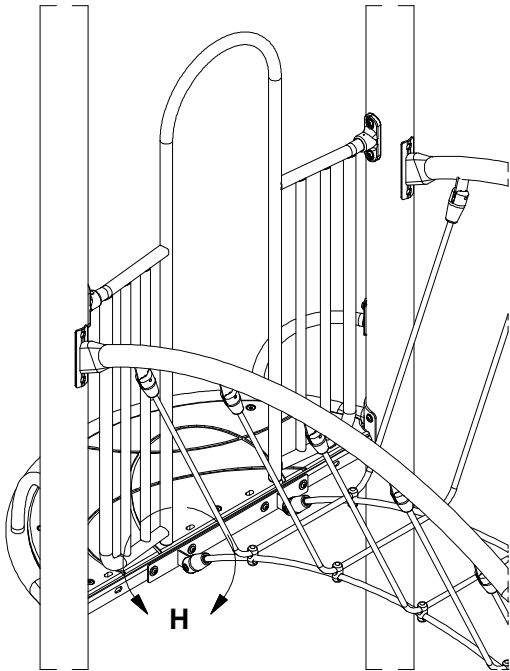


470-0075 CRESCENT PLATFORM



DETAIL G

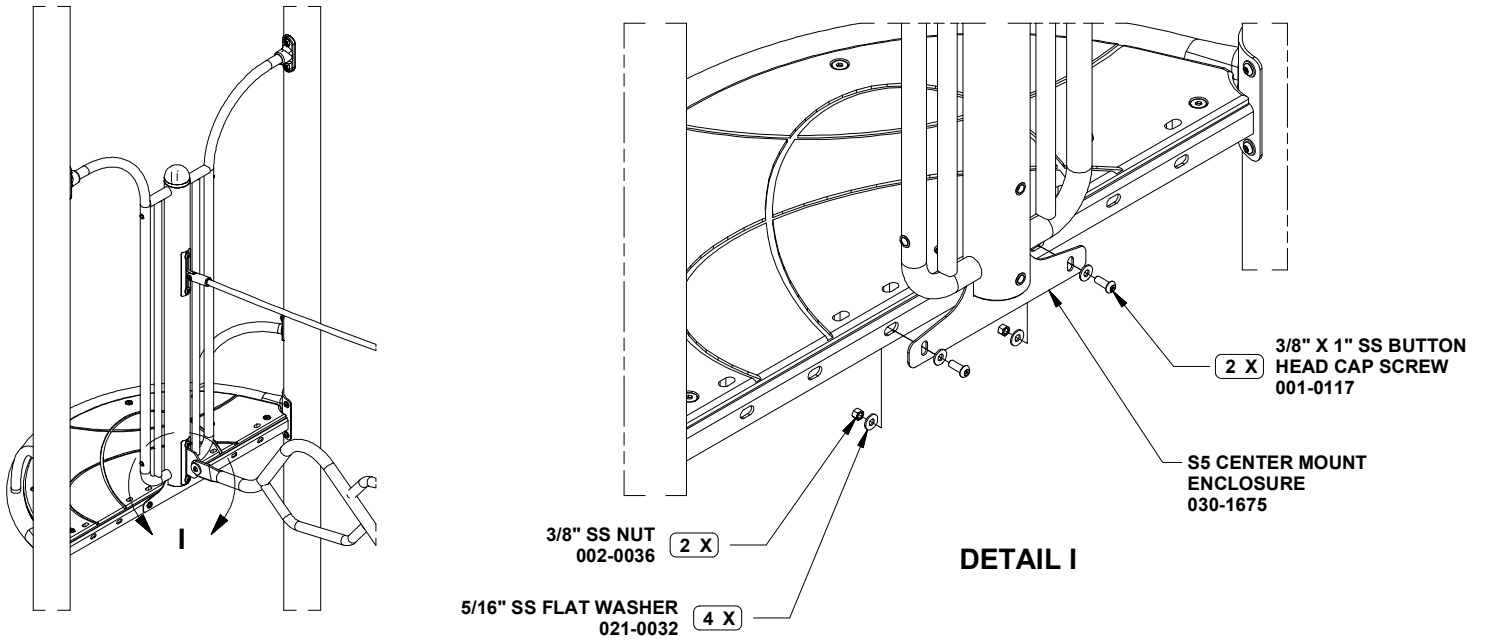
TRIGON BRACKET ATTACHMENT



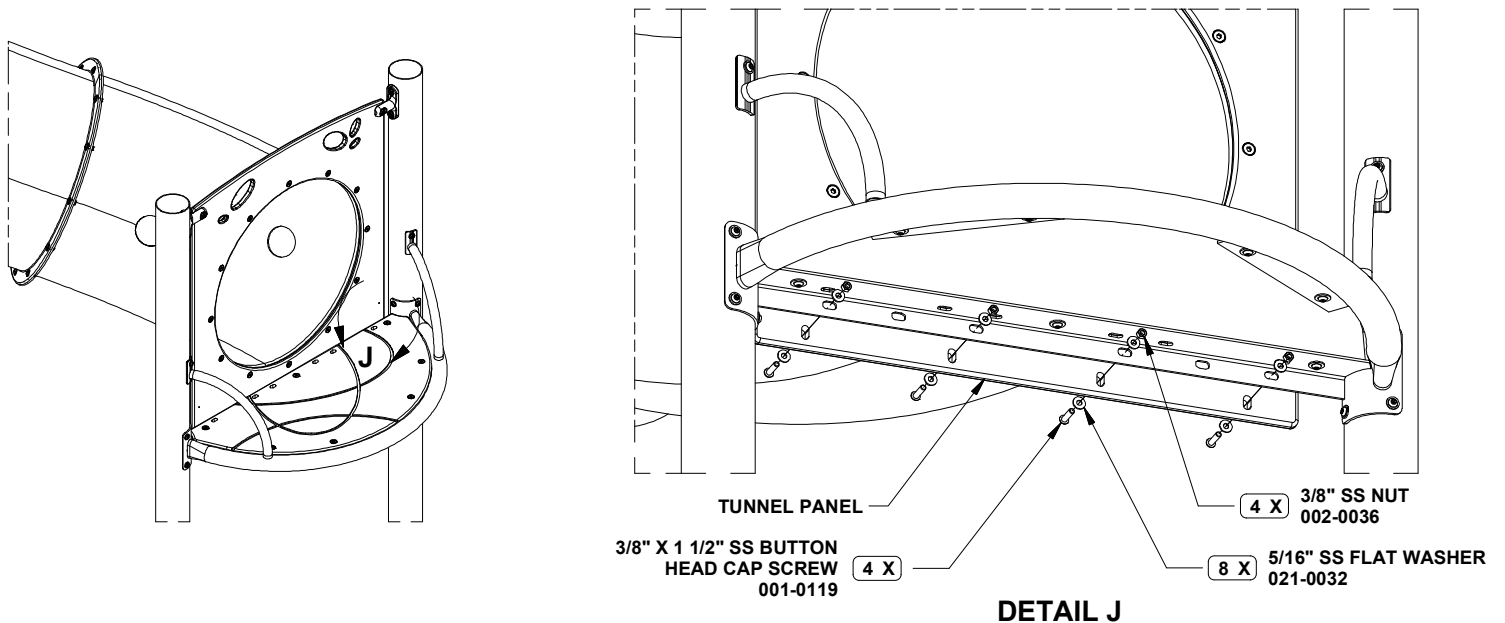
DETAIL H

ROPE CLIMBER ATTACHMENT

470-0075
CRESCENT PLATFORM



CENTER MOUNT ENCLOSURE ATTACHMENT



TUNNEL PANEL ATTACHMENT

470-0075 CRESCENT PLATFORM

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
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.

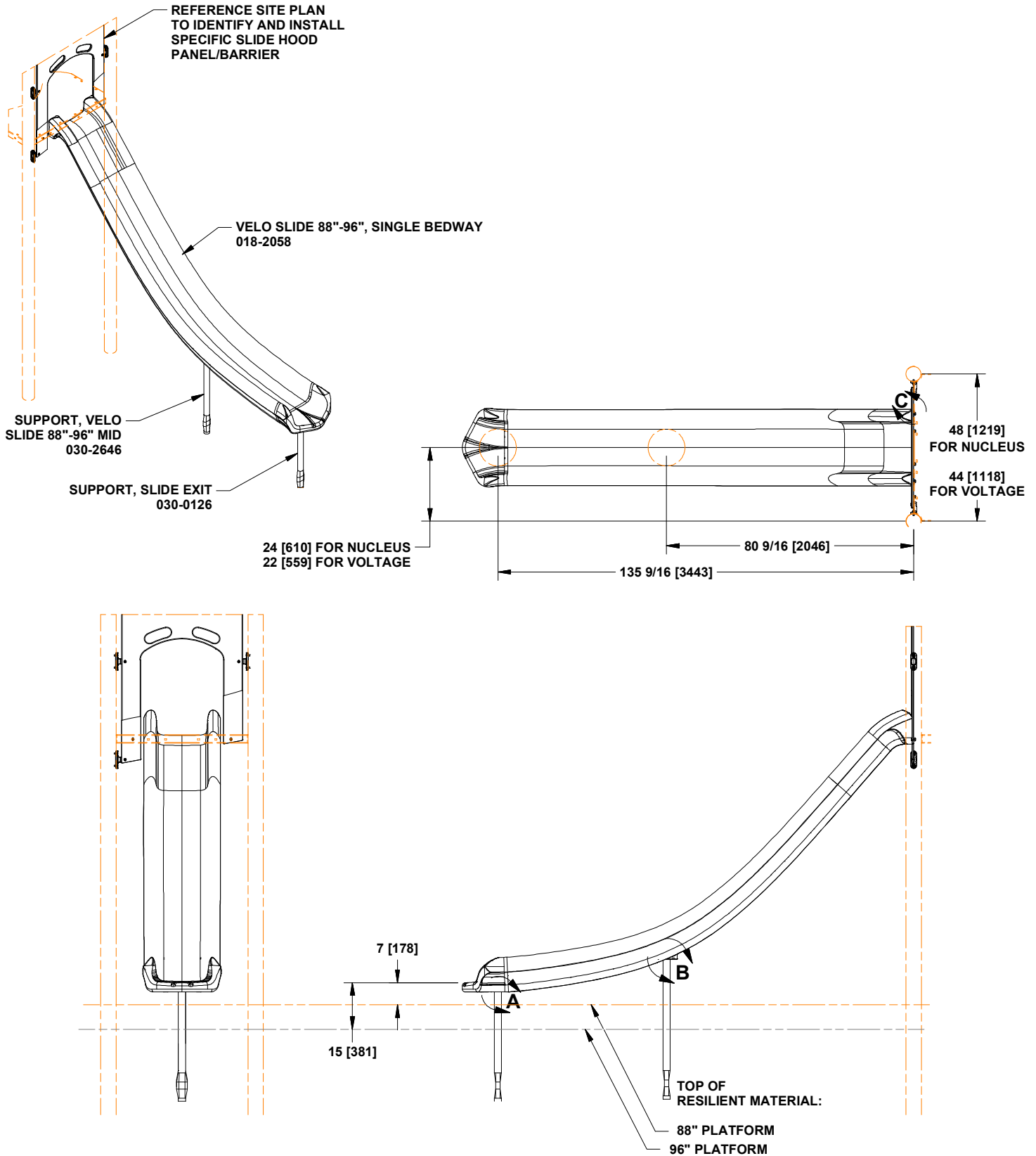
HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 52 LBS.

INSTALLATION INSTRUCTIONS

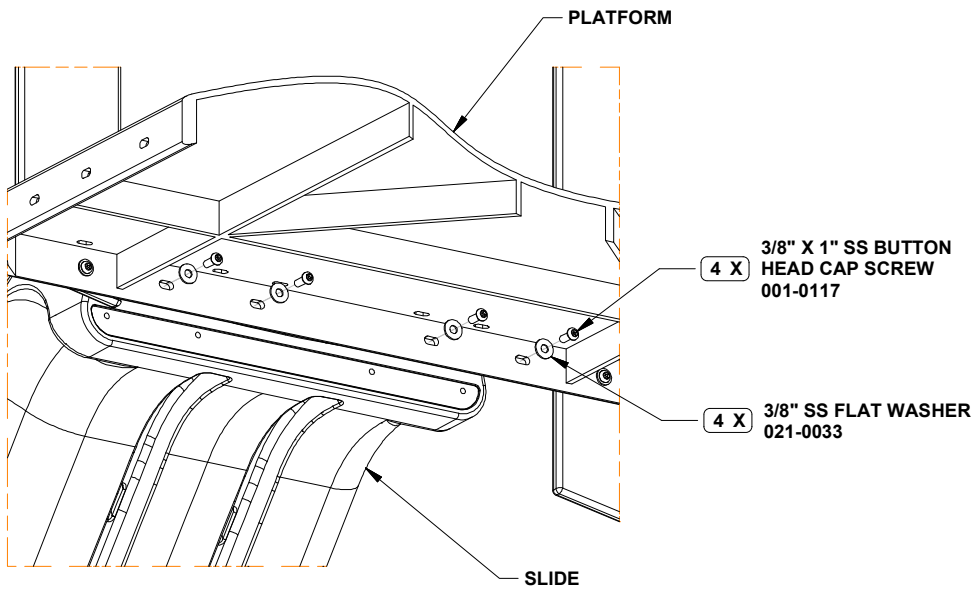
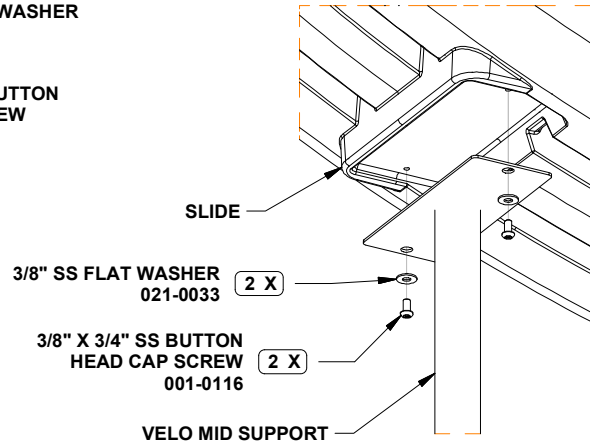
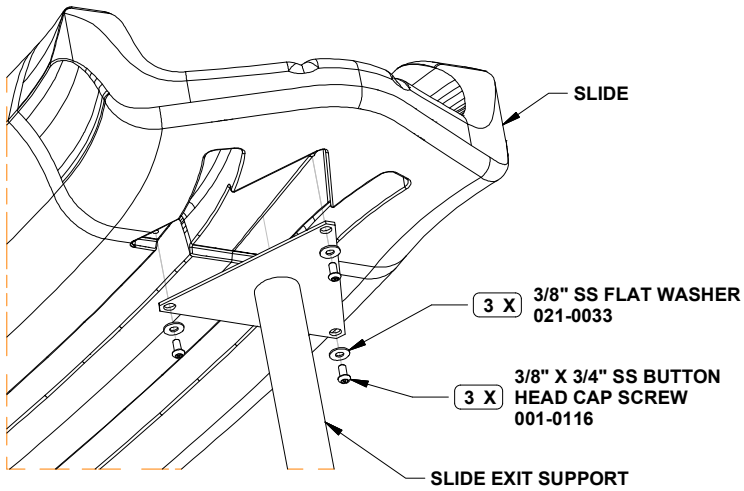
NOTE: Do not tighten hardware until instructed to do so.

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.**



470-0758

VELO XL SLIDE, 88"-96" W/O HOOD



470-0758 VELO XL SLIDE, 88"-96" W/O HOOD

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
018-2058	VELO SLIDE 88"-96", SINGLE BEDWAY	1
030-0126	SUPPORT, SLIDE EXIT	1
030-2646	SUPPORT, VELO SLIDE 88"-96" 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 88"-96", 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, VELO SLIDE 88"-96" 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.

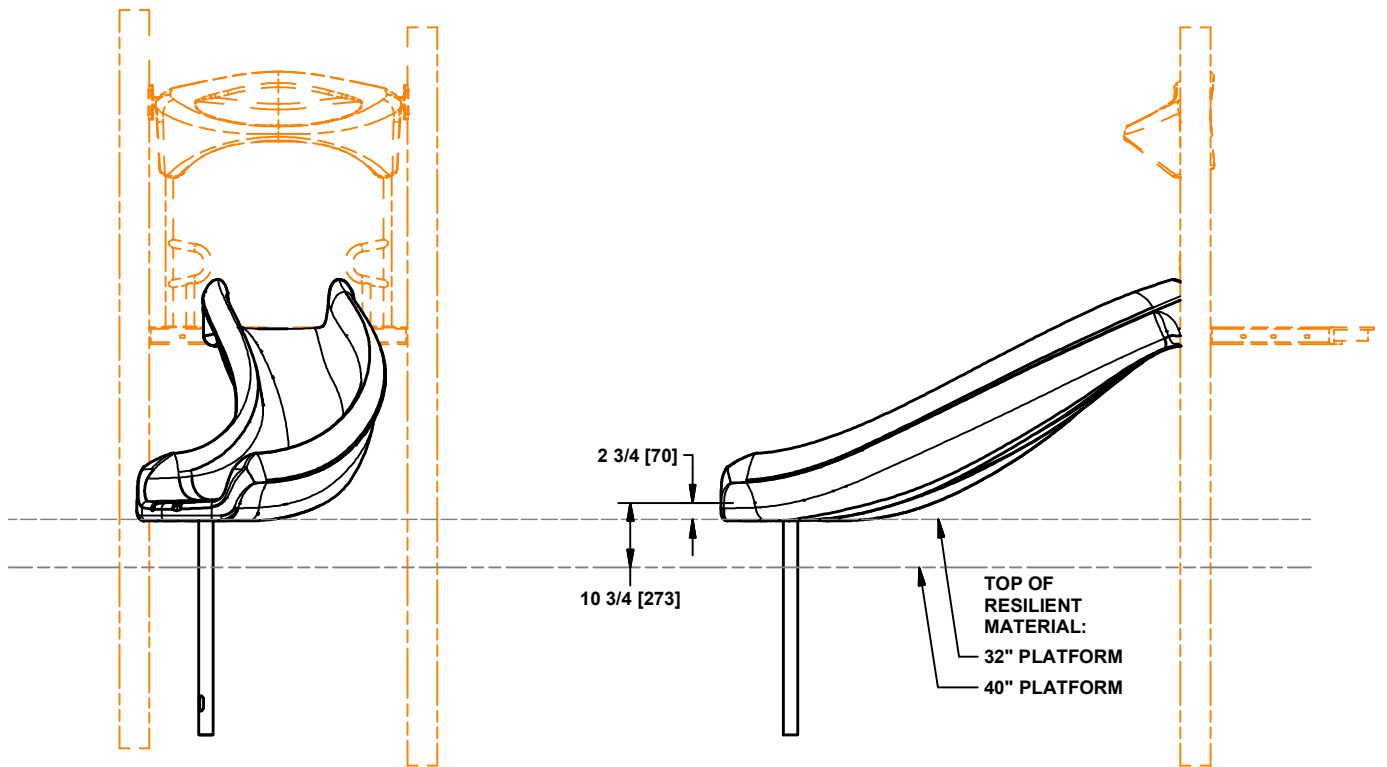
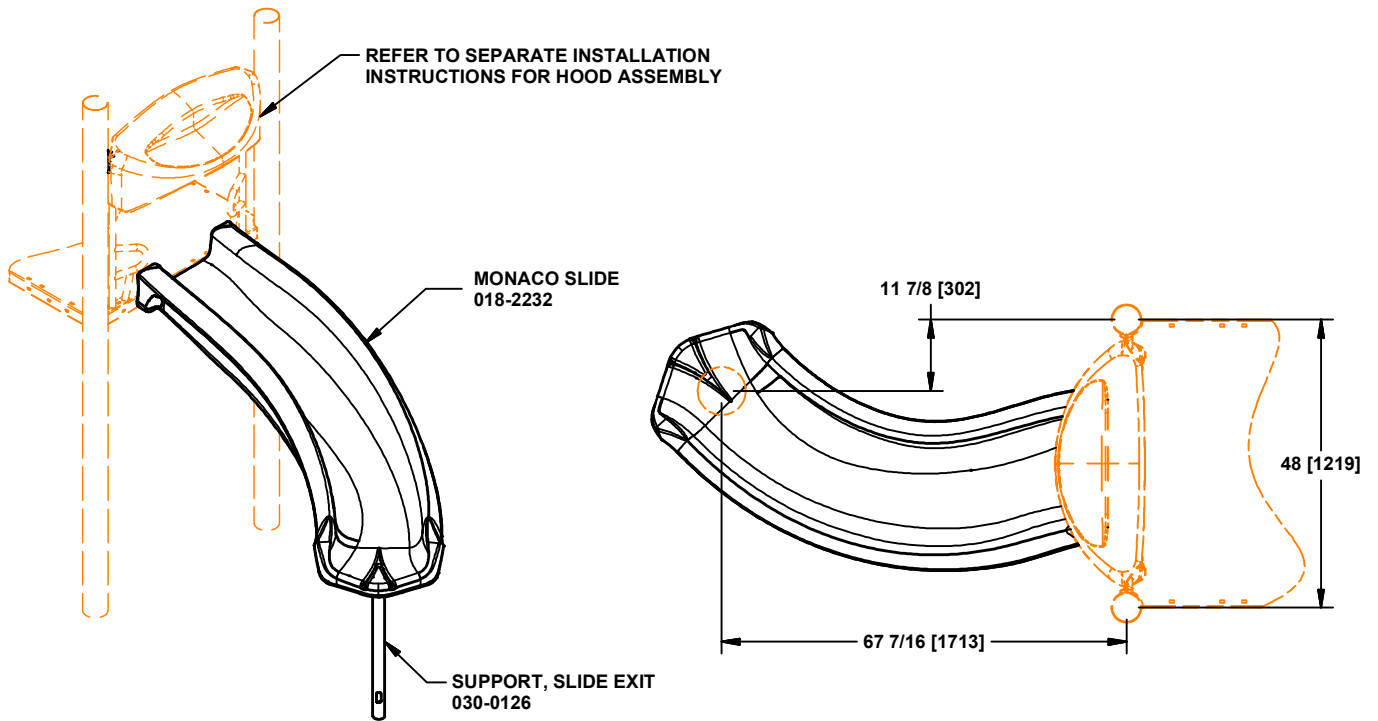
SHIPPING WEIGHT: 134 LBS.

INSTALLATION INSTRUCTIONS

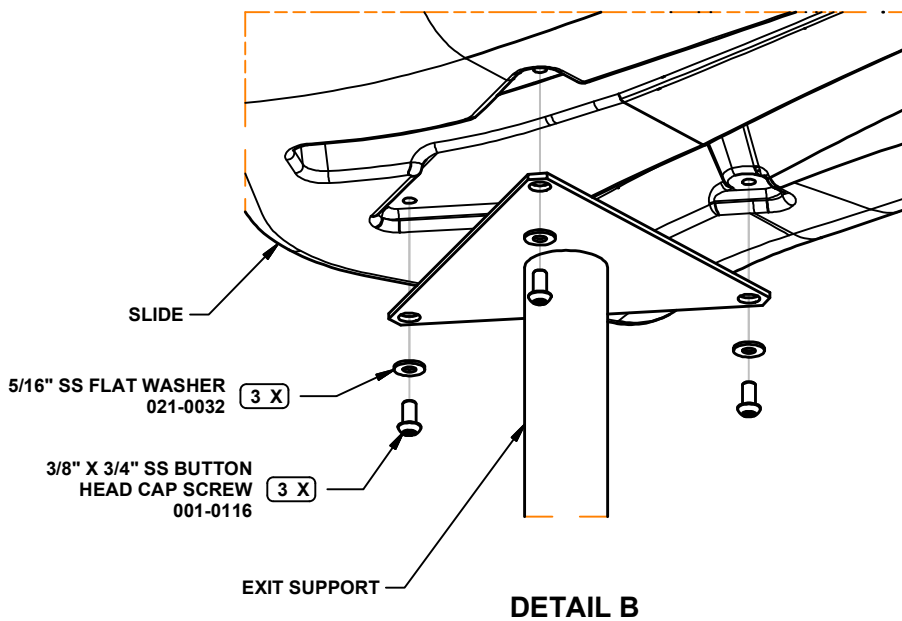
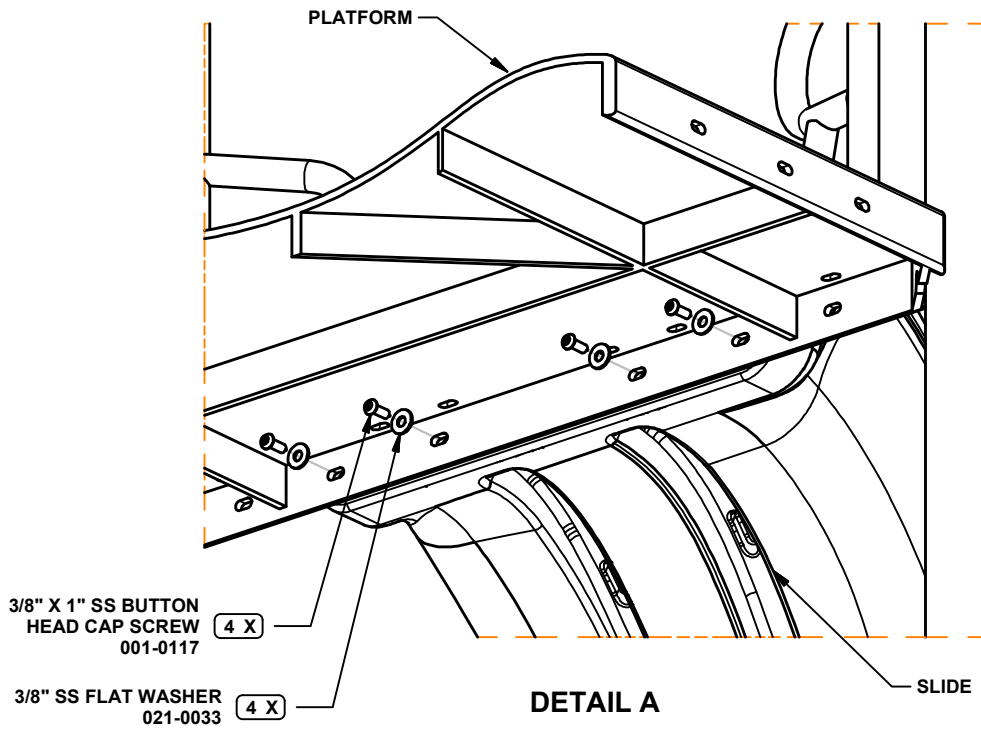
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

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 SUPPORT, VELO SLIDE 88"-96" MID 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.**



470-0802 MONACO SLIDE, 32"-40"



470-0802 MONACO SLIDE, 32"-40"

PARTS LIST

PART NO.	DESCRIPTION	QTY
018-2232	MONACO SLIDE	1
030-0126	SUPPORT, SLIDE EXIT	1
036-0227	HARDWARE PACKAGE	1
036-0784	HARDWARE PACKAGE	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

MONACO SLIDE: 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; HARDWARE PACKAGE: Stainless steel.

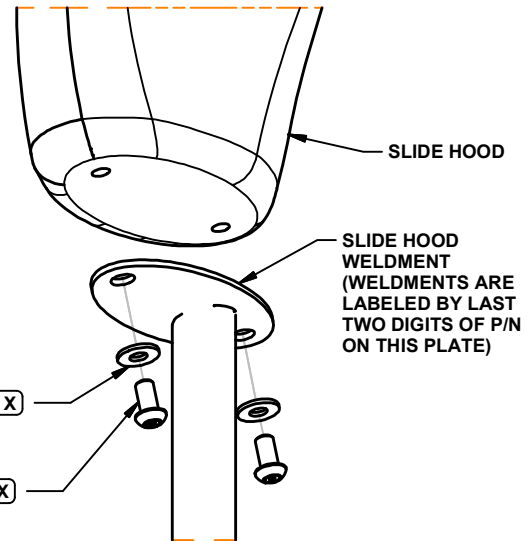
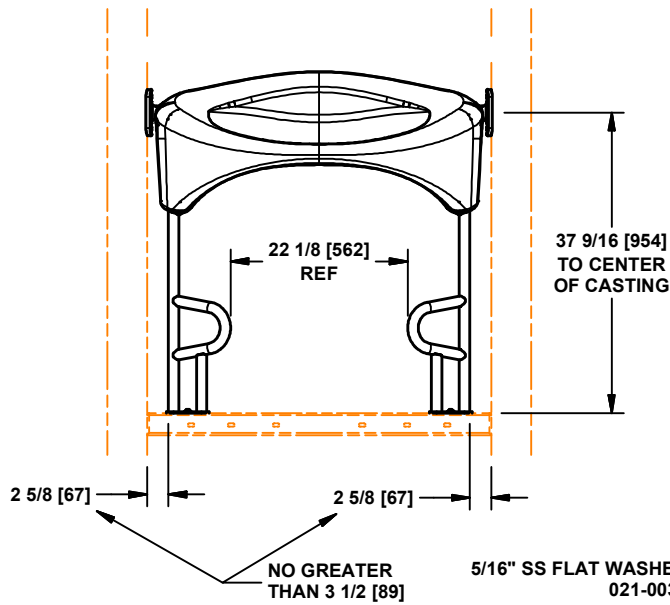
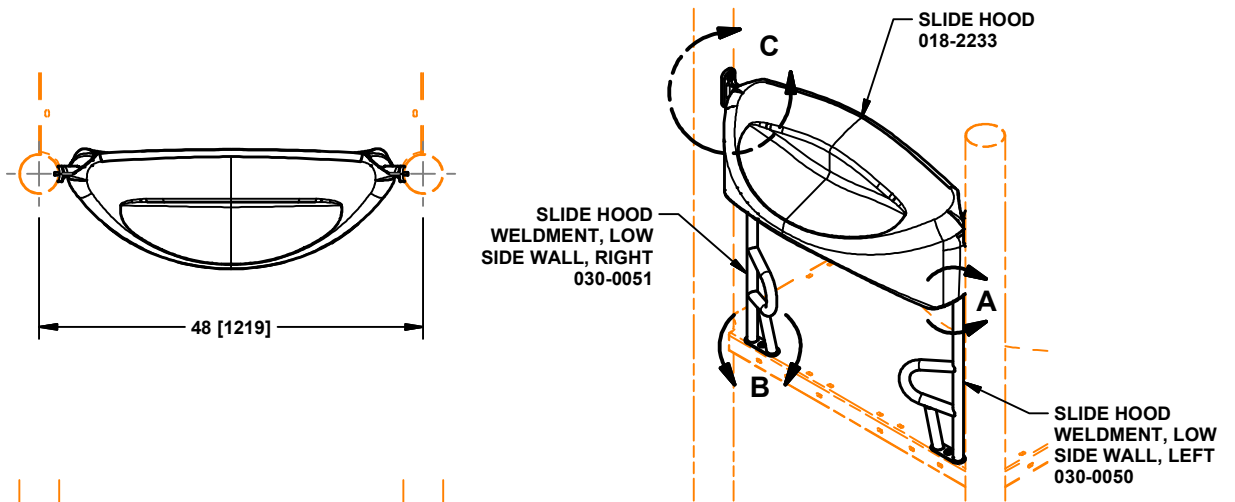
SHIPPING WEIGHT: 71 LBS.

INSTALLATION INSTRUCTIONS

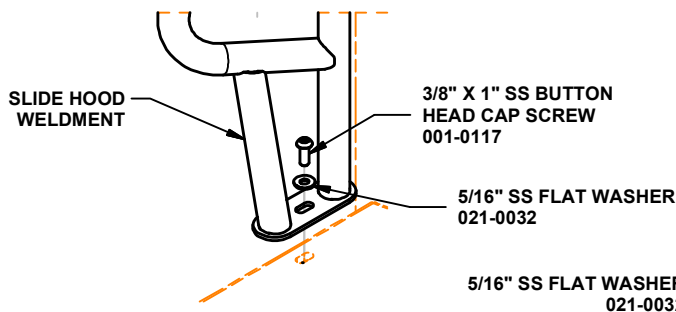
NOTE: Do not tighten hardware until instructed to do so.

NOTE: PVC coating may need to be removed from mounting slots of platforms before installation.

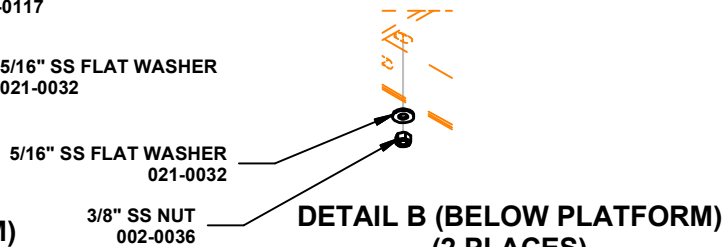
1. Install PLATFORM(S). See appropriate installation instructions located in your installation manual.
2. Dig footing holes per dimensions shown. See typical concrete footing drawing for 2.875" OD tubing, which is located in the preface of your installation manual.
3. Attach SLIDE EXIT SUPPORT to SLIDE using hardware specified in DETAIL B.
4. Position slide into footing holes. Attach slide to platform using hardware specified in DETAIL A.
5. Tighten all hardware.
6. Block up, plumb and level assembly.
7. Pour concrete and allow concrete to set for 2-3 days.
8. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.



**DETAIL A
(2 PLACES)**

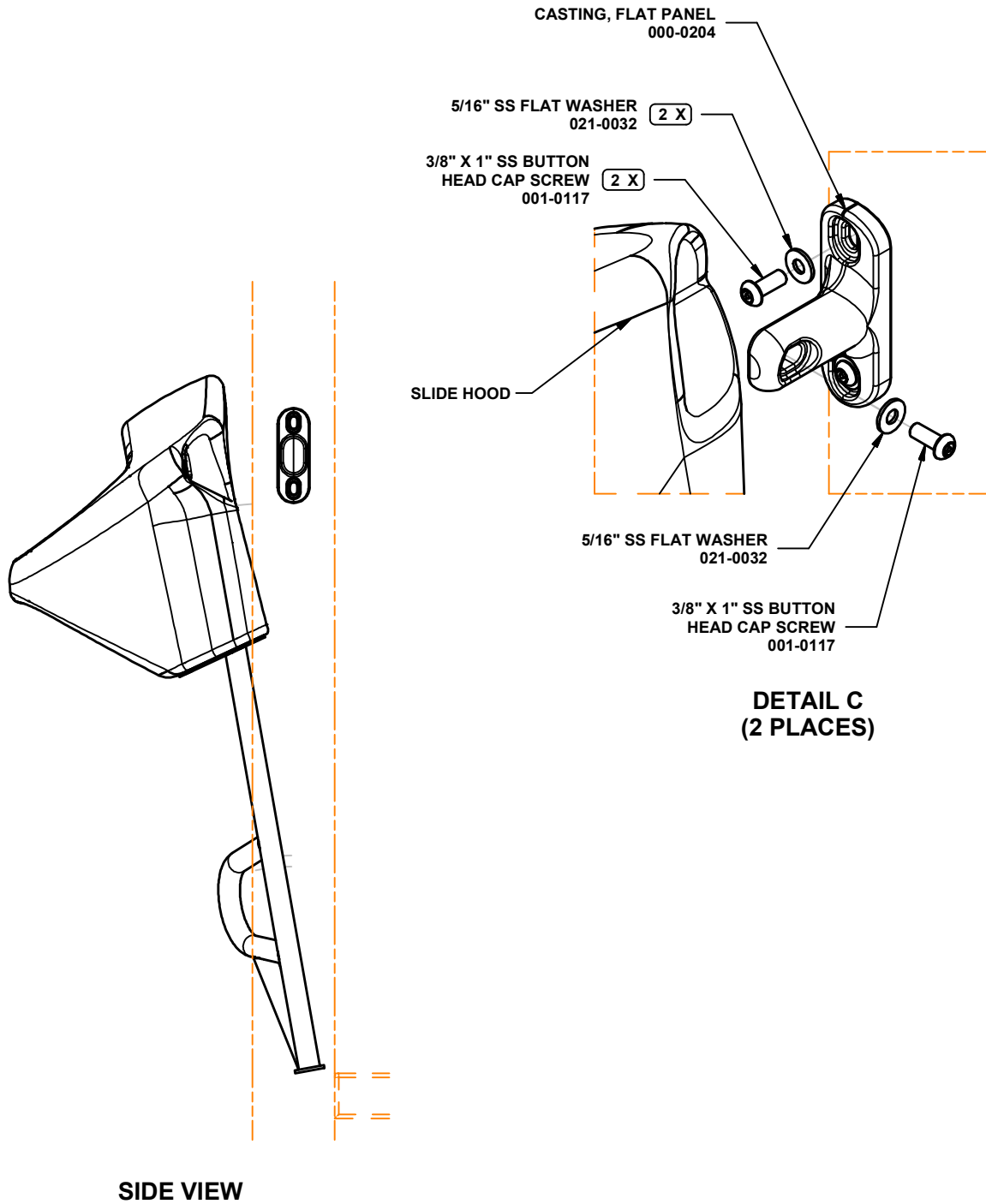


**DETAIL B (ABOVE PLATFORM)
(2 PLACES)**



**DETAIL B (BELOW PLATFORM)
(2 PLACES)**

470-0804 SLIDE HOOD, LOW SIDE WALL



470-0804 SLIDE HOOD, LOW SIDE WALL

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0204	CASTING, FLAT PANEL	2
018-2233	SLIDE HOOD	1
030-0050	SLIDE HOOD WELDMENT, LOW SIDE WALL, LEFT	1
030-0051	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.

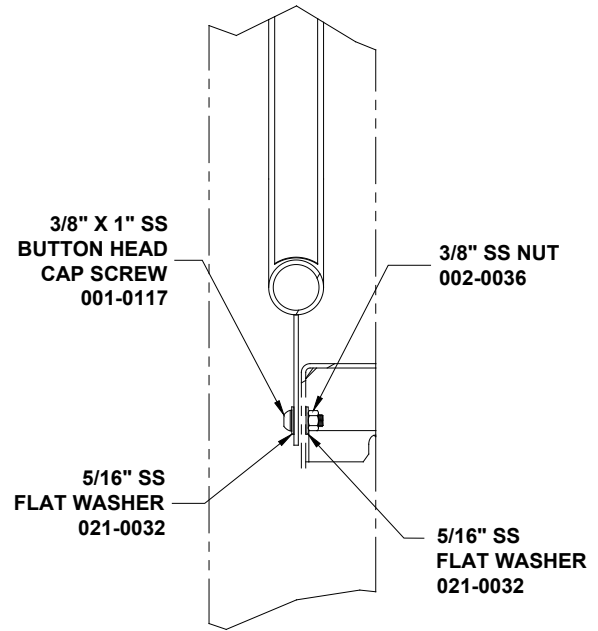
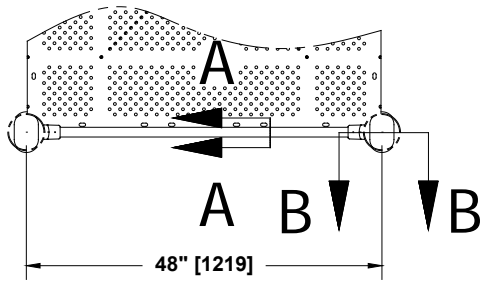
HARDWARE PACKAGE; HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel.

SHIPPING WEIGHT: 31 LBS.

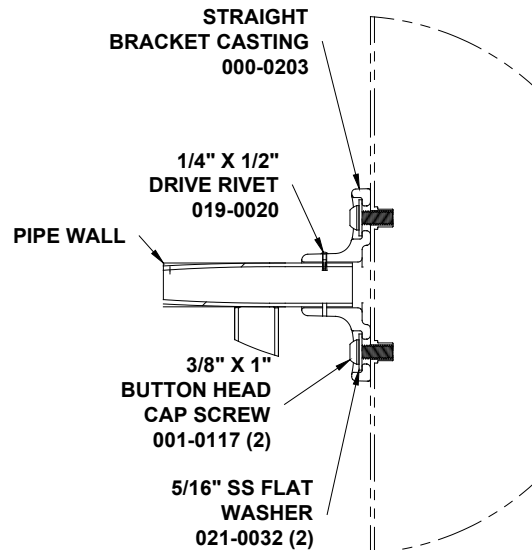
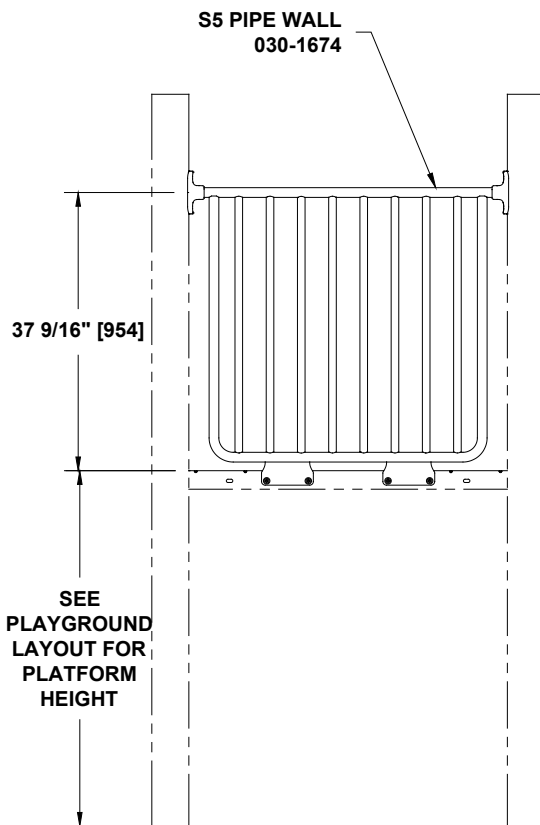
INSTALLATION INSTRUCTIONS

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.



SECTION A-A
(4 PLACES)



SECTION B-B
(2 PLACES)

570-0394 PIPE WALL

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0203	CASTING, STRAIGHT BRACKET	2
030-1674	S5 PIPE WALL	1
036-1284	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.

S5 PIPE WALL: 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. Finished with a baked on powder coating.

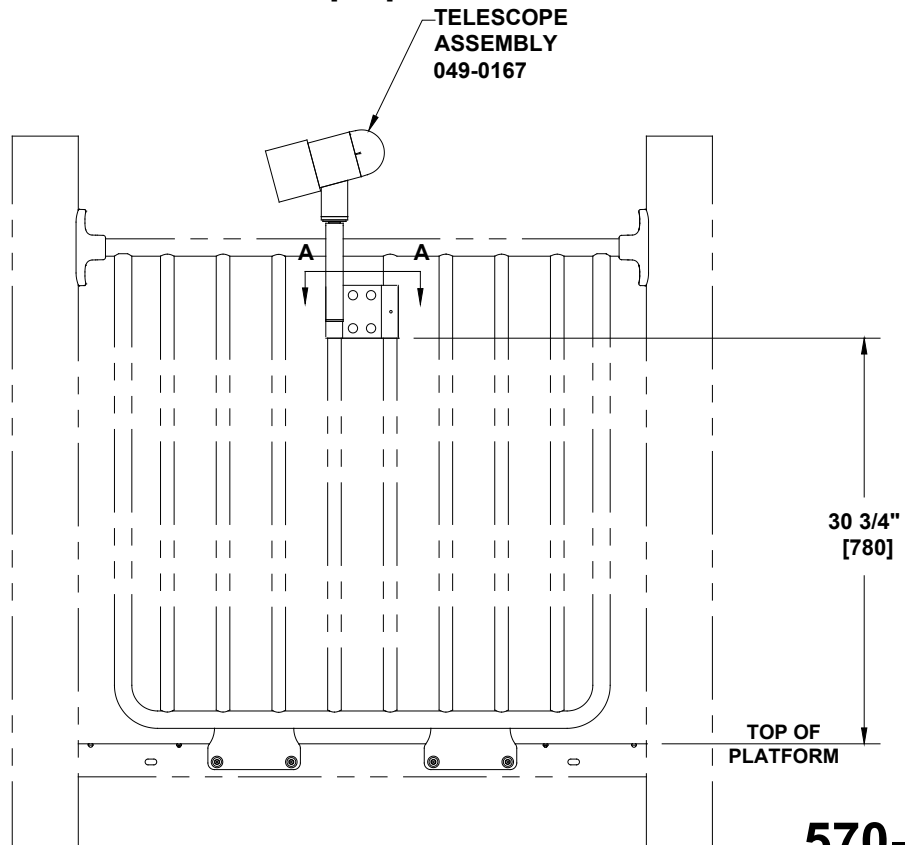
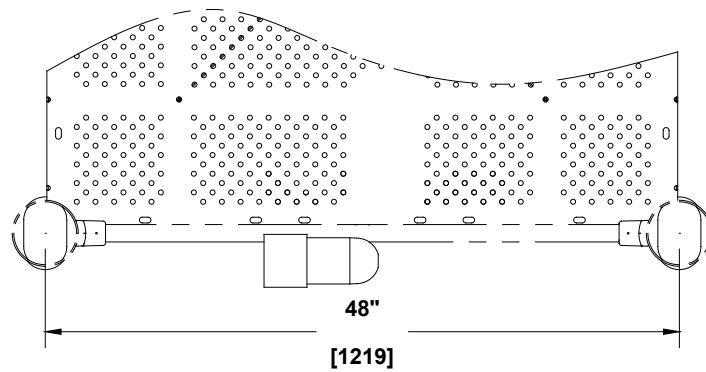
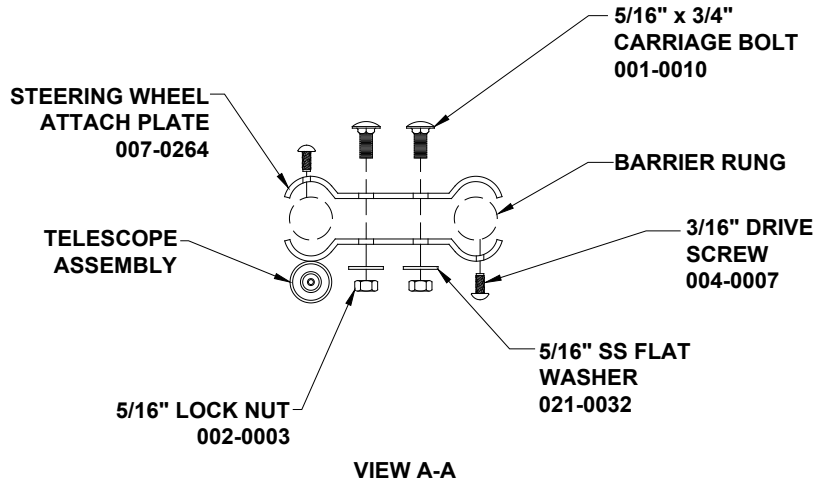
HARDWARE PACKAGE: Stainless steel screws, nuts & washers and aluminum rivets with 302 stainless steel pin.

SHIPPING WEIGHT: 37 LBS.

INSTALLATION INSTRUCTIONS

NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

1. Slide BRACKETS onto tube on PIPE WALL.
2. Attach brackets with pipe wall to 5" OD post using 3/8" x 1" SS button head cap screws and 5/16" SS washers. See SECTION B-B.
3. Attach bottom of pipe wall to platform using 3/8" x 1" SS button head cap screws, 5/16" SS washers and 3/8" SS nuts. Tighten all hardware. See SECTION A-A.
4. Drill 1/4" diameter holes through pilot hole, into pipe wall and through mounting bracket. See SECTION B-B.
5. Drive rivets flush with brackets and pipe wall.
6. Tighten All Hardware.



570-0516 TELESCOPE ASSEMBLY

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
007-0264	STEERING WHEEL ATTACH PLATE	1
036-1361	HARDWARE PACKAGE	1
049-0167	TELESCOPE ASSEMBLY	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

STEERING WHEEL ATTACH PLATE: Formed 10 GA galvanized steel plate, finished with a baked on powder coating.

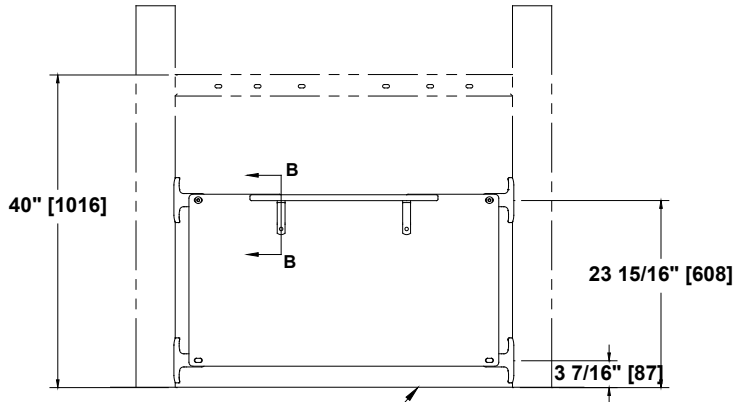
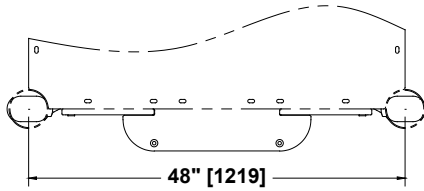
HARDWARE PACKAGE: Stainless steel screws & washers and zinc plated steel bolts, screws, nuts & washers.

TELESCOPE ASSEMBLY: Assembly consisting of a stainless steel screw, zinc plated washers, an oil impregnated bronze bearing, a 1/2" OD x .058" wall black tube, a one piece all welded telescope mount consisting of formed 10 GA galvanized steel plate, 1.315 OD x 14 GA galvanized

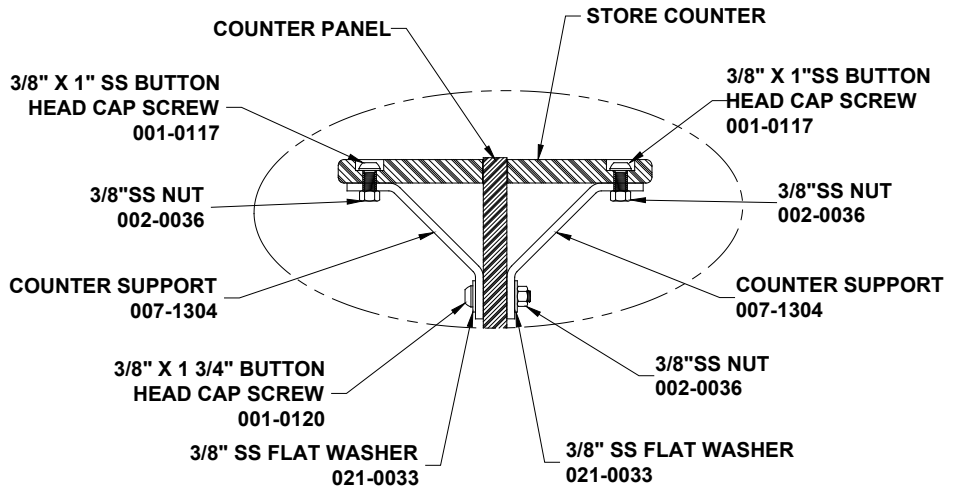
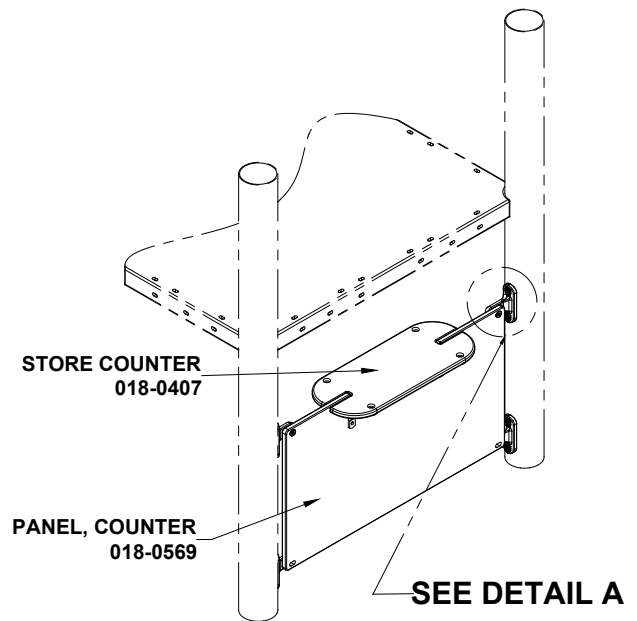
SHIPPING WEIGHT: 8 LBS.

INSTALLATION INSTRUCTIONS

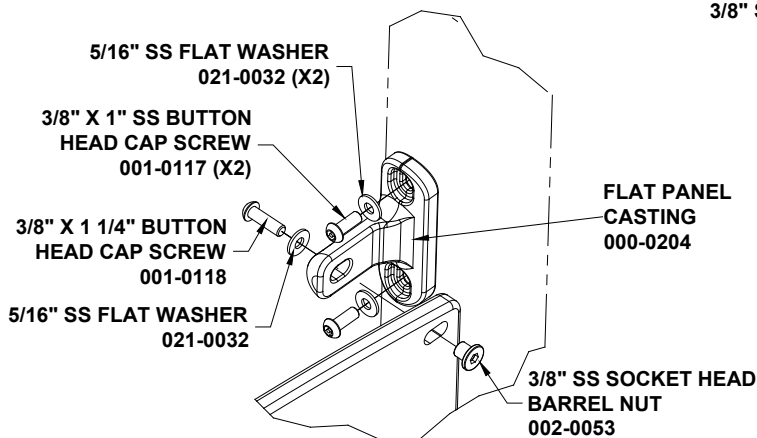
1. Locate and mark position of telescope assembly on barrier as per dimension shown. See FRONT VIEW.
2. Position steering wheel attachment plate and telescope assembly on barrier and attach using 5/16" x 3/4" carriage bolt, 5/16" washer and 5/16" lock nuts. NOTE: Bolt head must be on inside of barrier. Tighten hardware. See VIEW A-A.
3. Drill 3/16" holes through pilot holes of plates and barrier rungs. Insert 3/16" drive screws into holes and drive flush with plates. See VIEW A-A.



TOP OF
RESILIENT
MATERIAL



**SECTION B-B
(2 PLACES)**



DETAIL A (4 PLACES)

570-0557 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
018-0569	PANEL, COUNTER	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; PANEL, COUNTER: 3/4" extruded HDPE.

HARDWARE PACKAGE: Stainless steel

SHIPPING WEIGHT: 38 LBS.

INSTALLATION INSTRUCTIONS

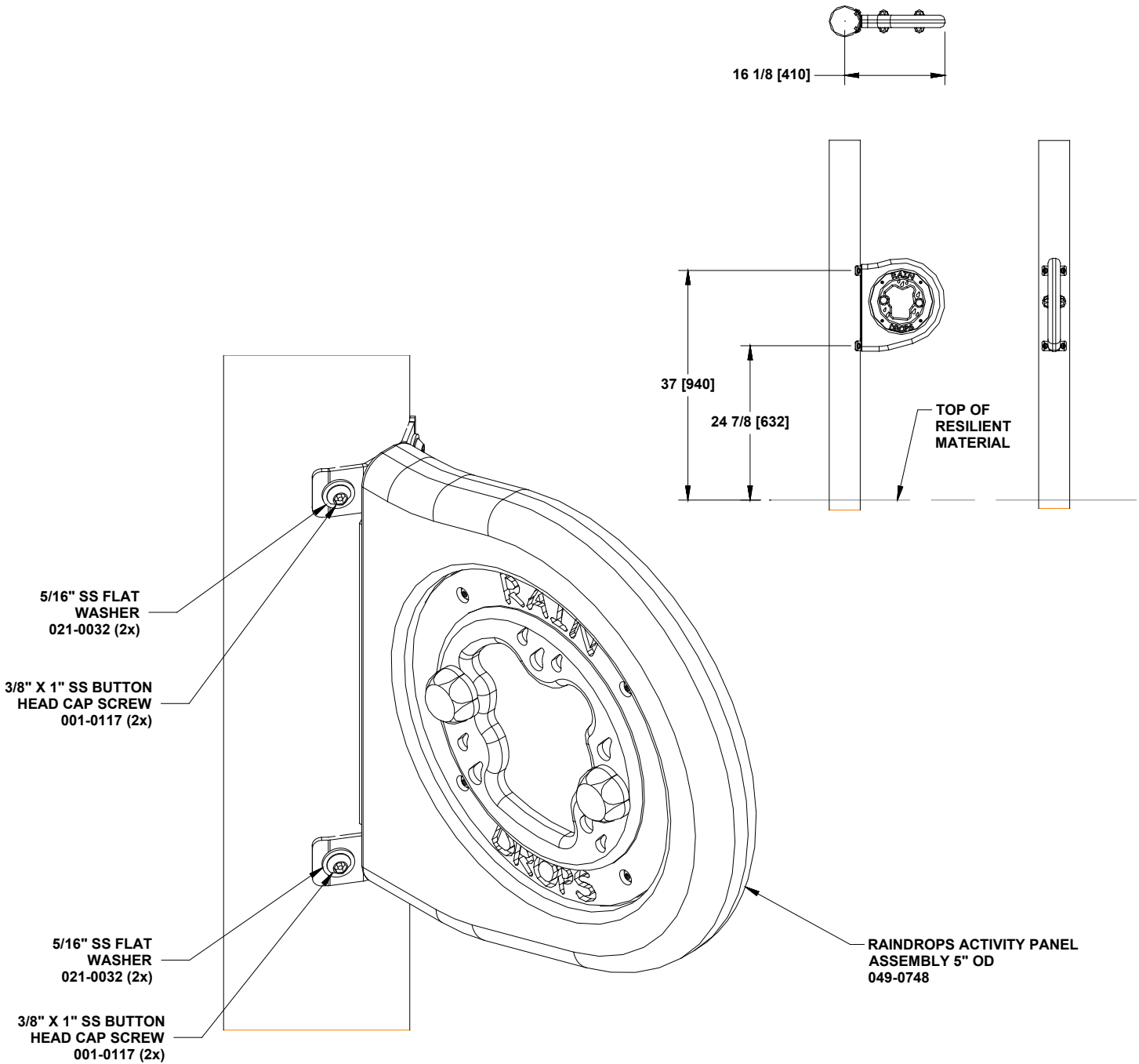
NOTE: PVC coating may need to be removed from mounting holes of parts before installation.

NOTE: Do not tighten hardware until instructed to do so.

1. Attach FLAT PANEL CASTING to 5" OD posts using 3/8" x 1" button head cap screws and 5/16" flat washers. Tighten hardware. See DETAIL A.
2. Attach counter supports to panel using 3/8" x 1 3/4" button head cap screws, 3/8" SS flat washers, and 3/8" nuts. Tighten hardware. See SECTION B-B.
3. Slide STORE COUNTER into slot on panel with counter bored holes to the top. Attach counter supports to store counter using 3/8" x 1" button head cap screws and 3/8" nuts. Tighten hardware. See SECTION B-B.
4. Attach panel assembly to brackets using 3/8" x 1 1/4" button head cap screws, 5/16" SS flat washers and 3/8" SS socket head barrel nuts. Tighten all hardware. See DETAIL A.
5. **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.



570-0717 RAINDROPS ACTIVITY PANEL

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
036-0258	HARDWARE PACKAGE	2
049-0748	RAINDROPS ACTIVITY PANEL ASSEMBLY 5" OD	1

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

HARDWARE PACKAGE: Stainless steel.

RAINDROPS ACTIVITY PANEL ASSEMBLY 5" OD:

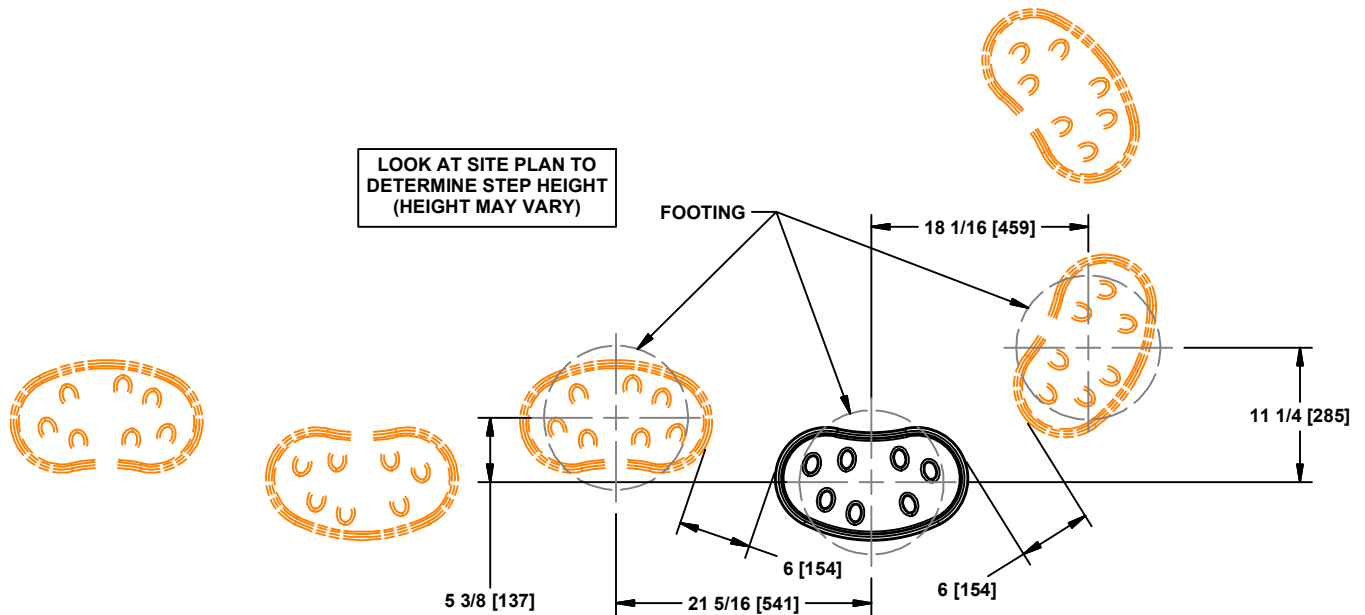
Assembly consisting of welded bracket, formed 10 ga galv steel plate, 1.029" OD galv tubing, linear, low density, rotationally molded, U.V. stabilized polyethylene with double wall construction, molded in 1/4" T-nut inserts, and a textured surface, routed HDPE panels 3/4", Polycarbonate windows, SS balls, sealed ball bearings, injection molded HDPE bolt covers, SS hardware.

SHIPPING WEIGHT: 8 LBS.

INSTALLATION INSTRUCTIONS

NOTE: Do not tighten hardware until instructed to do so.

1. Determine location of post mounted activity panel.
2. Attach RAINDROPS ACTIVITY PANEL ASSEMBLY 5" OD to the post using the hardware specified.
3. Tighten all hardware.



#10-14 X 3/4" PAN HEAD
T25 THREAD FORMING
SCREW 003-0020

6 X

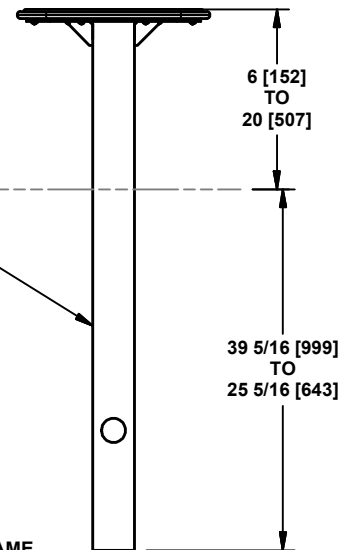
#10 SS FLAT WASHER
021-0054

6 X

1/4" FLAT WASHER
021-0039

6 X

REFER TO THE "TYPICAL
CONCRETE FOOTINGS"
SECTION FOR PROPER
FOOTING INSTALLATION



LIL NOVO SEAT FRAME
030-2802

LIL NOVO SEAT PANEL
018-2325

SEAT ASSEMBLY VIEW

580-1364
LIL' NOVO BEAN STEP

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
018-2325	LIL NOVO SEAT PANEL	1
030-2802	LIL NOVO SEAT FRAME	1
036-2008	HARDWARE PACKAGE	2

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.
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.**

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
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

TABLE OF CONTENTS

INTRODUCTION	4
SUPERVISION	5
PRE-INSTALLATION GUIDELINES	6
GENERAL INSTALLATION GUIDELINES.....	7
TYPICAL CONCRETE FOOTINGS.....	10
RESILIENT SURFACING MATERIAL.....	13
ASTM REQUIREMENTS FOR FASTENING DEVICES	16
WARNING AND MANUFACTURER LABELS	17
INSPECTION CHECKLIST.....	20
MAINTENANCE.....	21
SUGGESTED PUBLIC PLAYGROUND LEADERS CHECKLIST	36
BCI BURKE WARRANTY	37
APPENDIX.....	40
BCI BURKE HARDWARE.....	41
INSTALLATION INSTRUCTIONS (NUMERICAL ORDER BY COMPONENT NUMBER).....	46

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

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

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.

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

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 designation.
2. The letter designation for the upright posts can also be found on the packaging of each post and there is a chart for reference located in the Appendix of this manual starting on page 33.
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.**
7. 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.

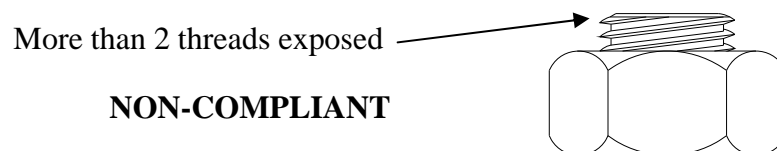


Figure 1: Thread Protrusion

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

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

GENERAL INSTALLATION GUIDELINES

8. 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.
9. 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.
10. 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.
11. 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
12. 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.*

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.

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

GENERAL INSTALLATION GUIDELINES

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.

1/4"-20	100 in-lb
5/16"-18	140 in-lb
3/8"-16	250 in-lb
7/16"-20	400 in-lb

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).



NO IMPACT WRENCHES

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.

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

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.**

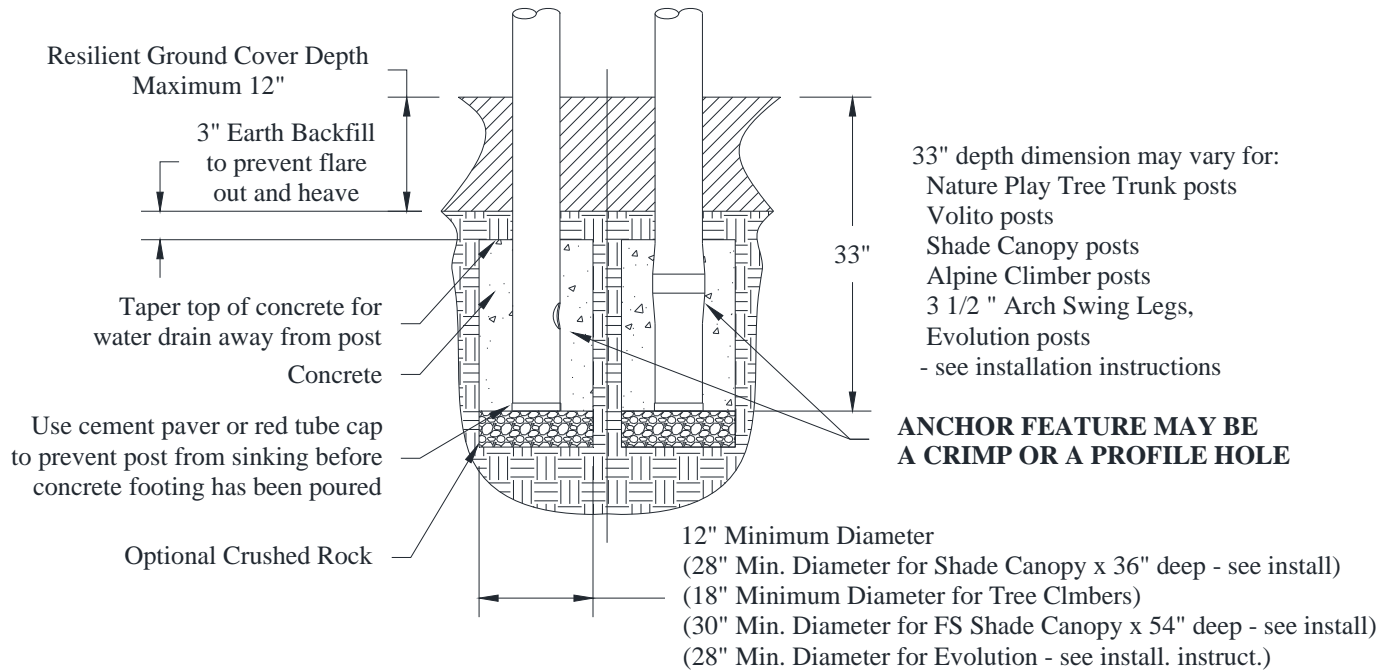


Figure 2: Support Post Footing Detail

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.

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

TYPICAL CONCRETE FOOTINGS

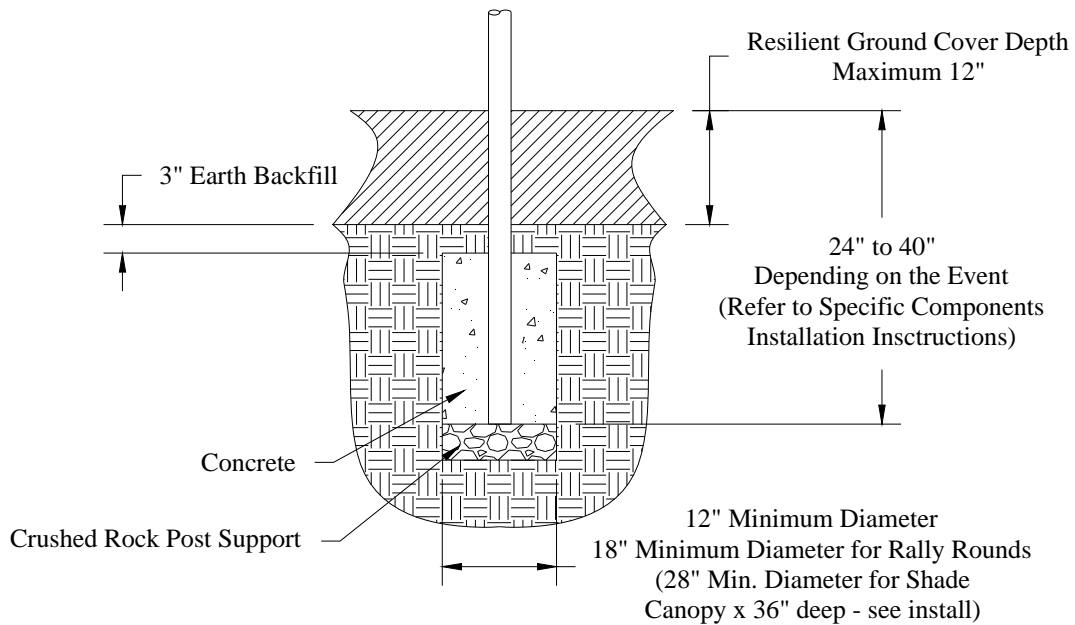


Figure 3: Play Event Footing Detail

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)

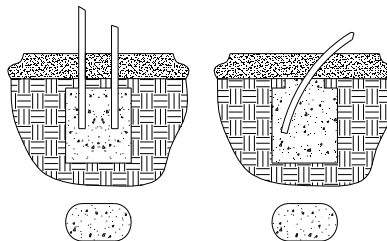


Figure 4: Optional Play Event Footing

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.

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.bciurke.com

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.

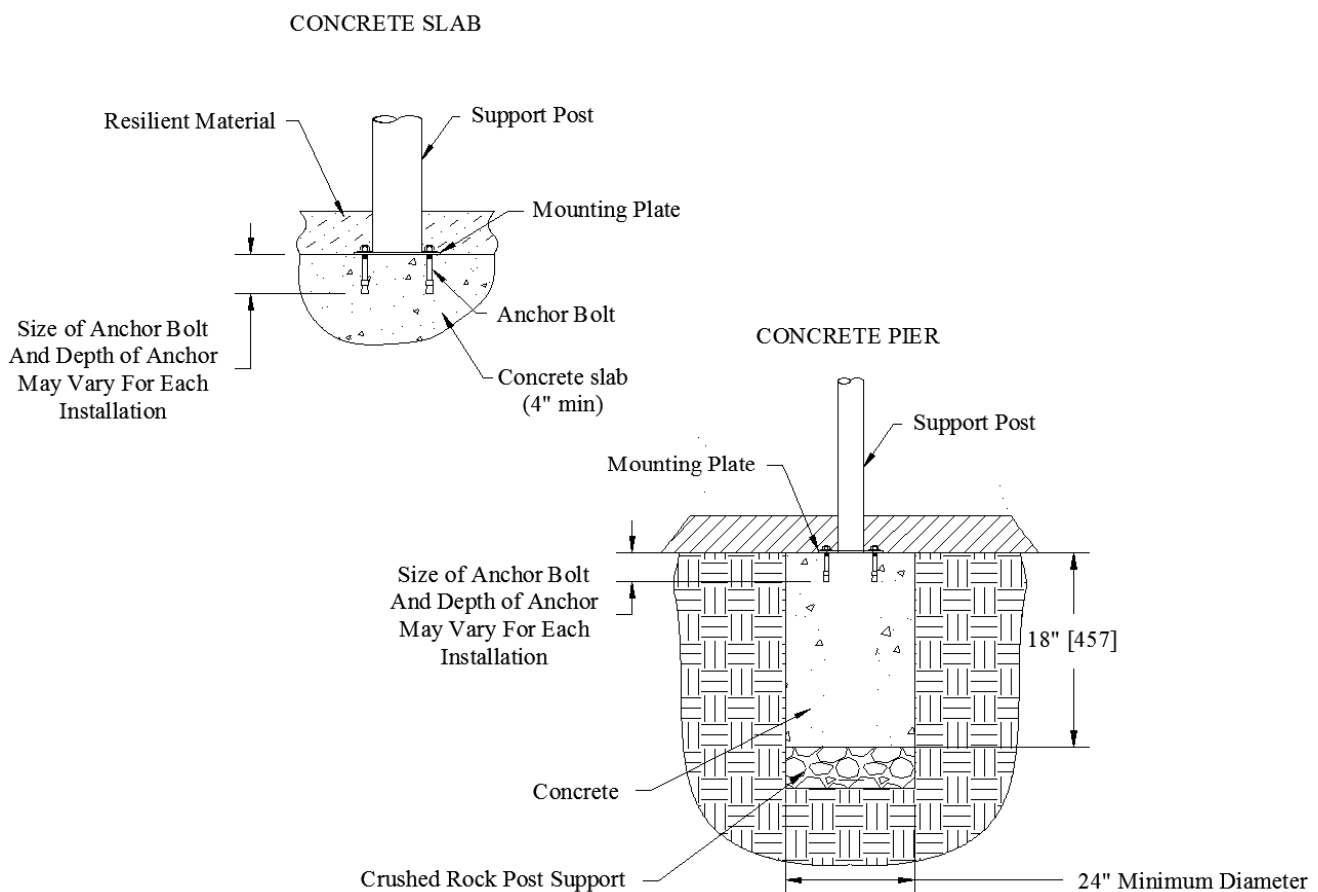


Figure 5: Surface Mount Detail

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.

BCI Burke Company, LLC

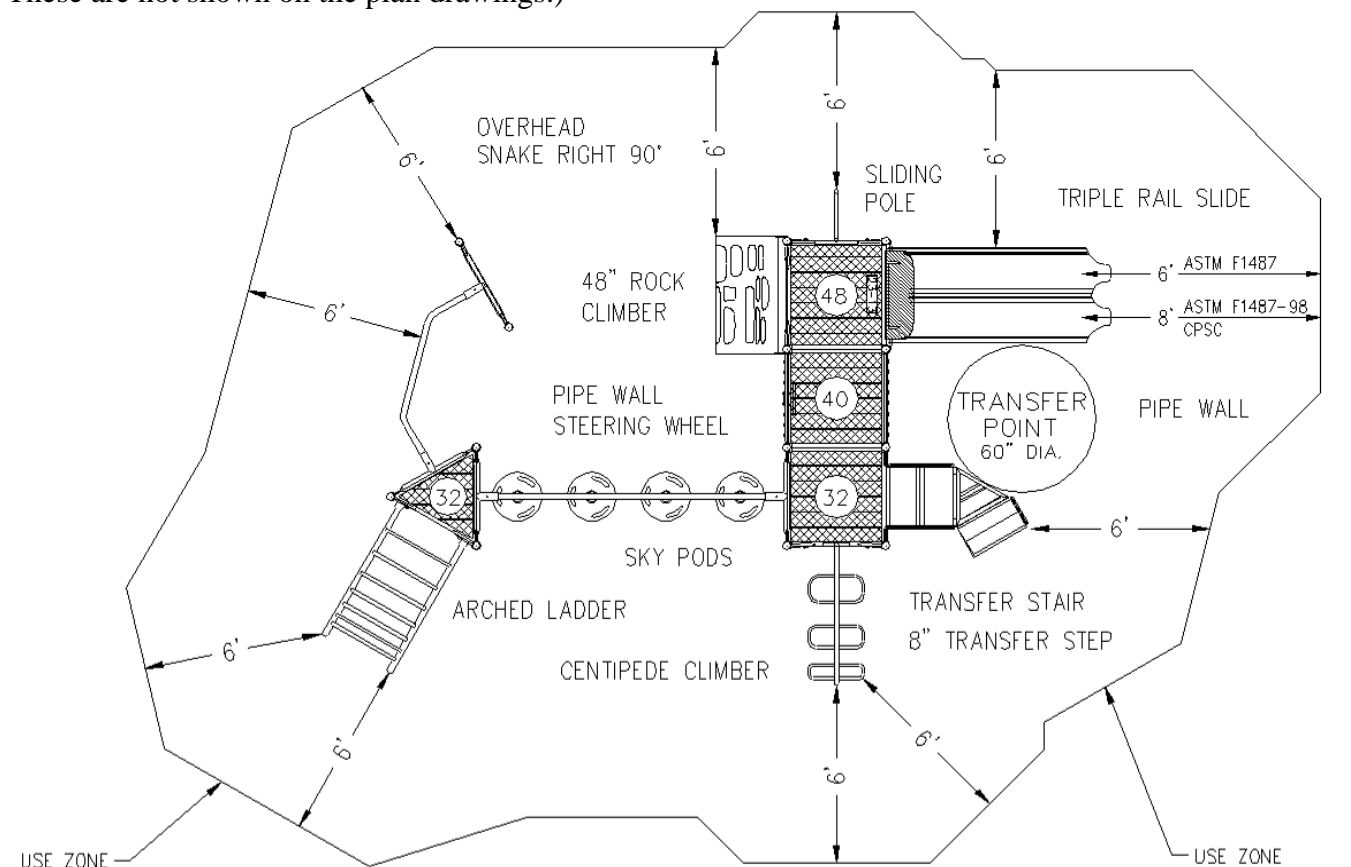
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

www.bciburke.com

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.)



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

**Figure 6: Sample Site Plan Drawing
RESILIENT SURFACING MATERIAL**

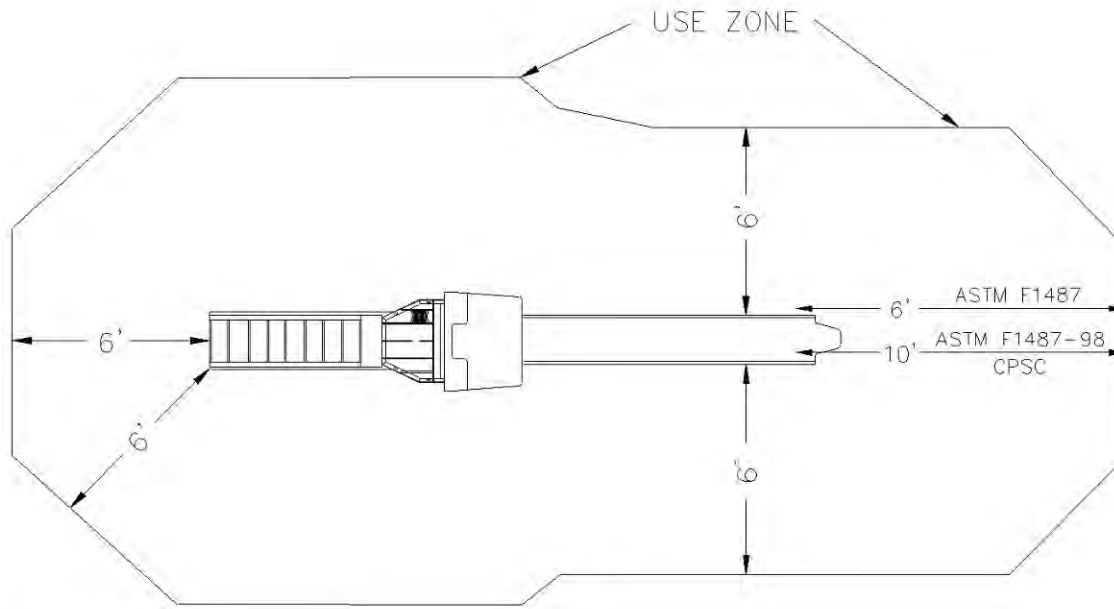


Figure 7: Use Zone for Slides

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

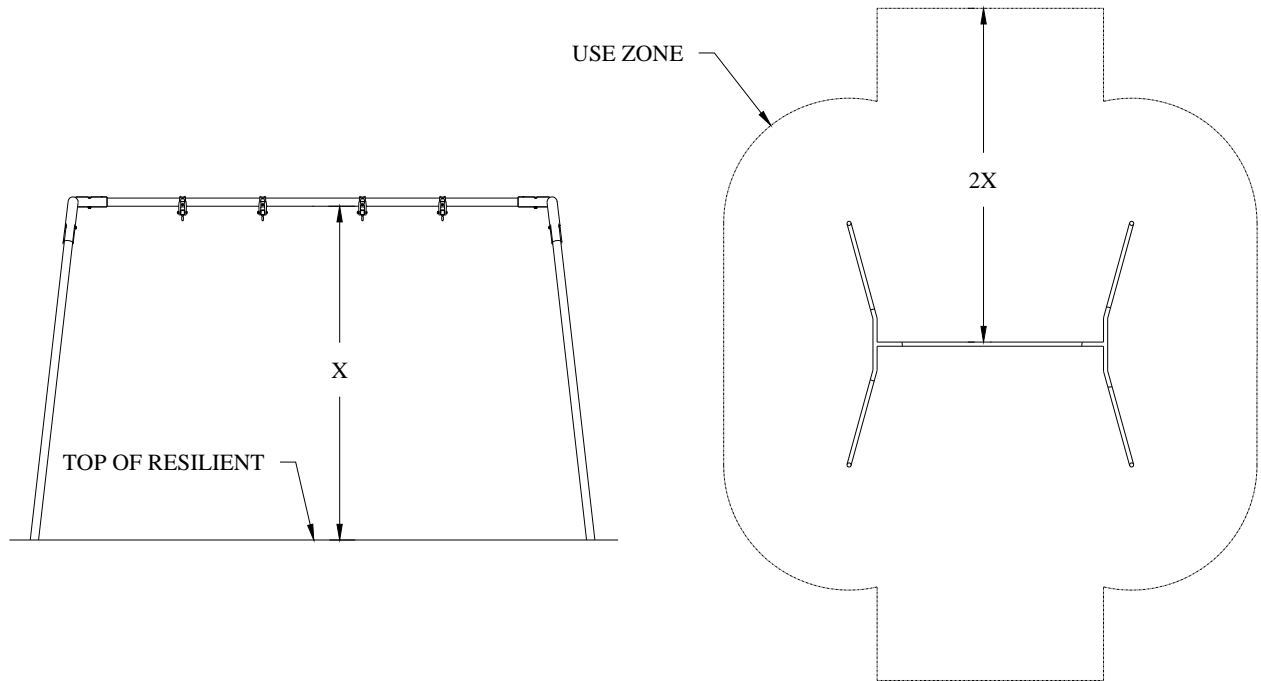


Figure 8: Use Zones for To-Fro Swings

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.

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

ASTM REQUIREMENTS FOR FASTENING DEVICES

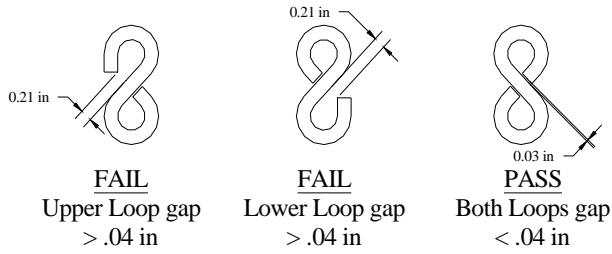


Figure 9: Check loops for .04" gap

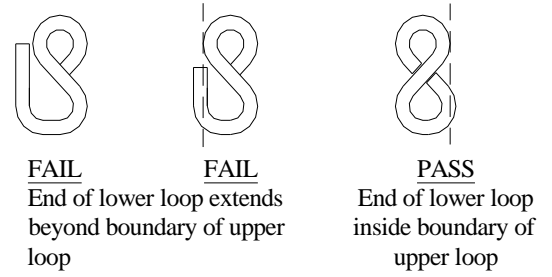


Figure 10: Check lower loop projection



Figure 11: Check upper loop projection

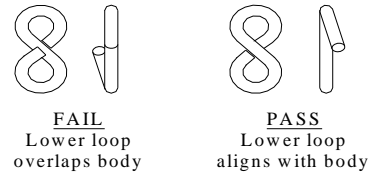


Figure 12: Check lower loop alignment

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

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.

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

WARNING AND MANUFACTURER LABELS

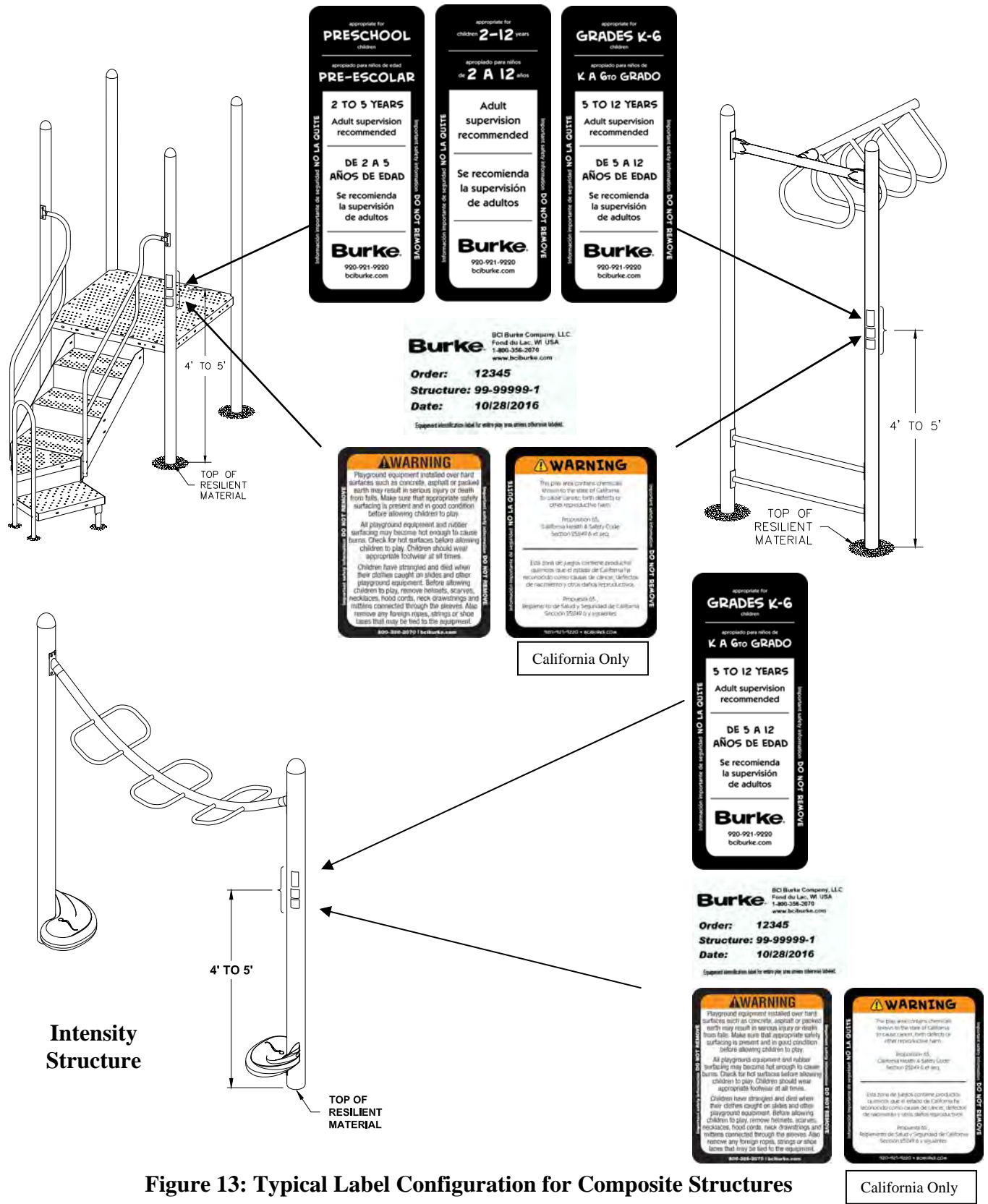


Figure 13: Typical Label Configuration for Composite Structures

California Only

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.bcburke.com

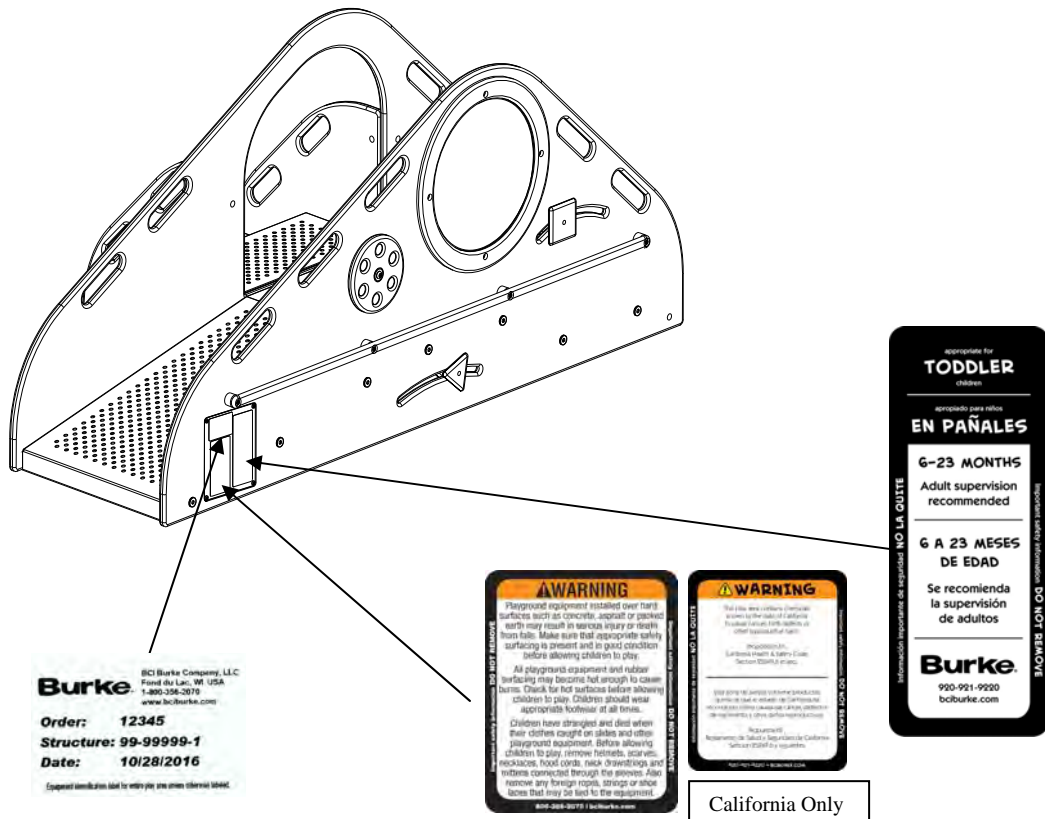


Figure 14: Typical Label Configuration for Composite Structures

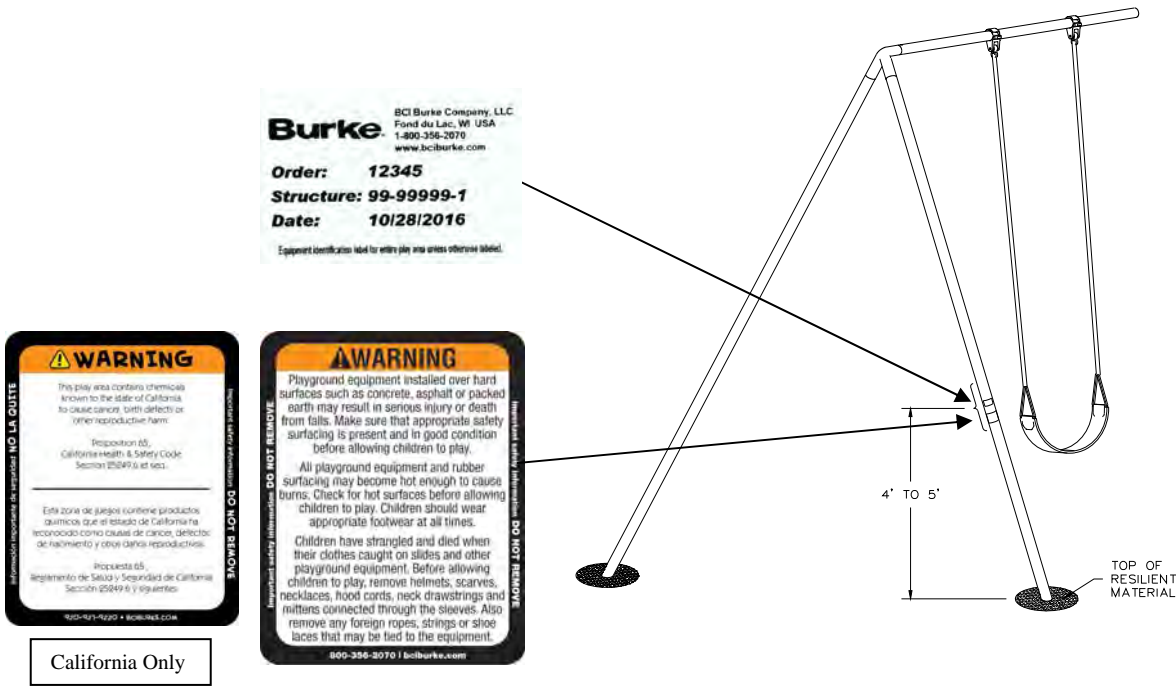


Figure 15: Typical Label Configuration for Non-Age Specific Equipment

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.bcburke.com

INSPECTION CHECKLIST

- | | | | | |
|---|--------------------------|---|--------------------------|--|
| <p>Review all Playground Installation Guidelines, particularly checking for specified dimensions. Make sure actual installation dimensions agree with the ones in the instructions.</p> | <input type="checkbox"/> | <p>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.</p> | | |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>Touch up any scratches or installation damage to powder coated finish with color-matched spray paint supplied with the equipment.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Clean dried concrete off support posts and any other affected components</p> | <input type="checkbox"/> | <p>Touch up any exposed metal on coated parts following the instructions in the Maintenance section.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>Check ropes of rope climbers for any installation damage such as cuts that may expose the steel reinforcement strands.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Insure all post ends have properly installed post caps. Insure the drive rivets are secure.</p> | <input type="checkbox"/> | <p>Insure proper use zone has been allowed for equipment. See Site Plan Drawing included in this manual to check dimensions of required zone.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>Insure all fasteners are tightened according to specifications listed on your installation instructions.</p> | <input type="checkbox"/> | <p>Dispose of all packaging material properly. Recycle appropriate materials and keep items like plastic bags out of reach or contact of small children.</p> |
| <input type="checkbox"/> | <input type="checkbox"/> | <p>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.</p> | <input type="checkbox"/> | <p>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.</p> |

Inspected by: _____

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.

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

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 GFR 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.

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

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.

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.bciurke.com

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.

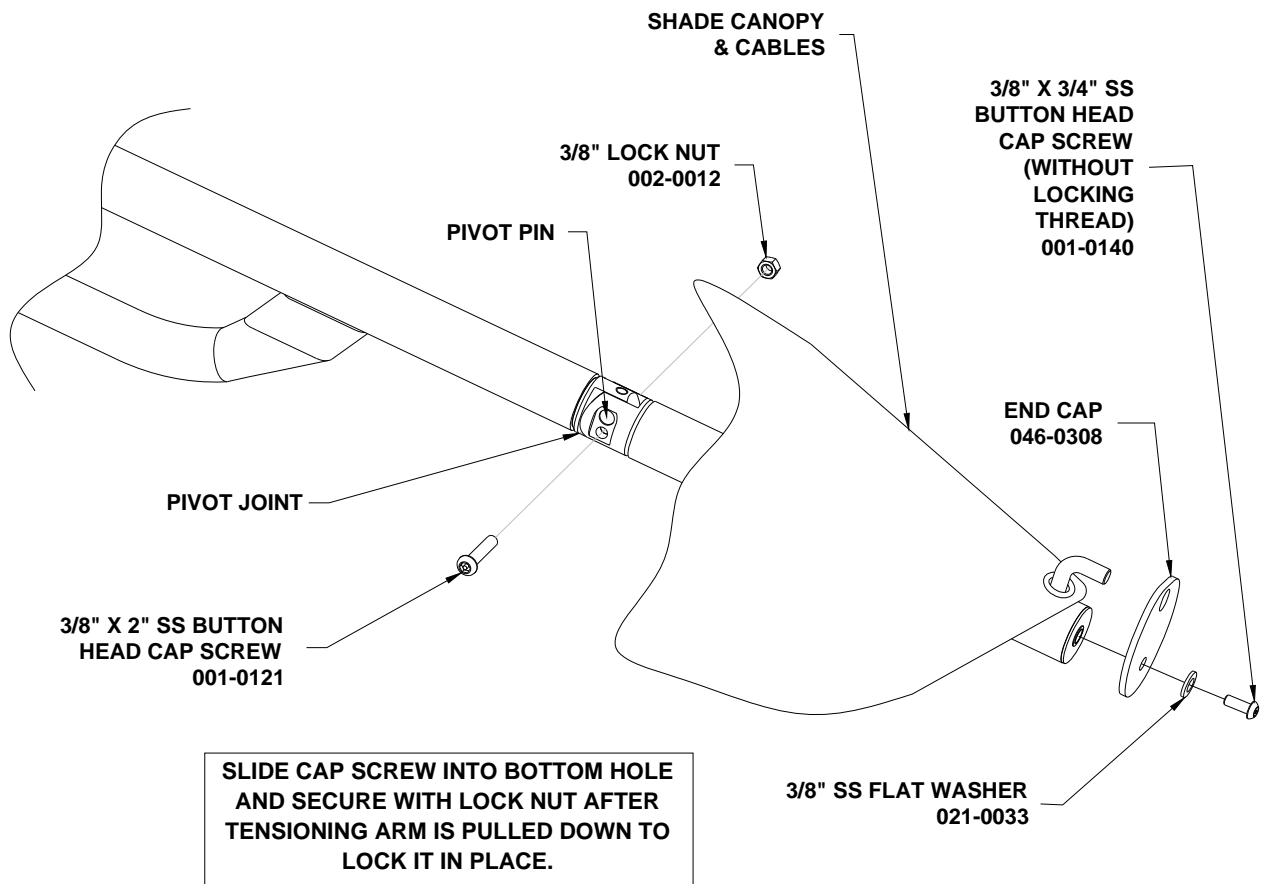


Figure 16: Tensioning Arm in 'Closed Position'

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

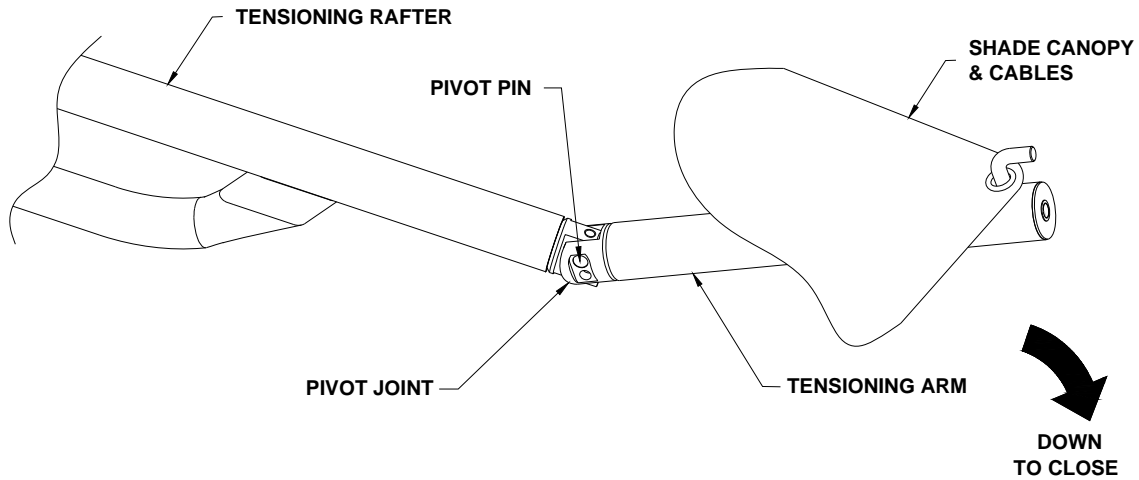


Figure 17: Tensioning Arm in 'Open Position'

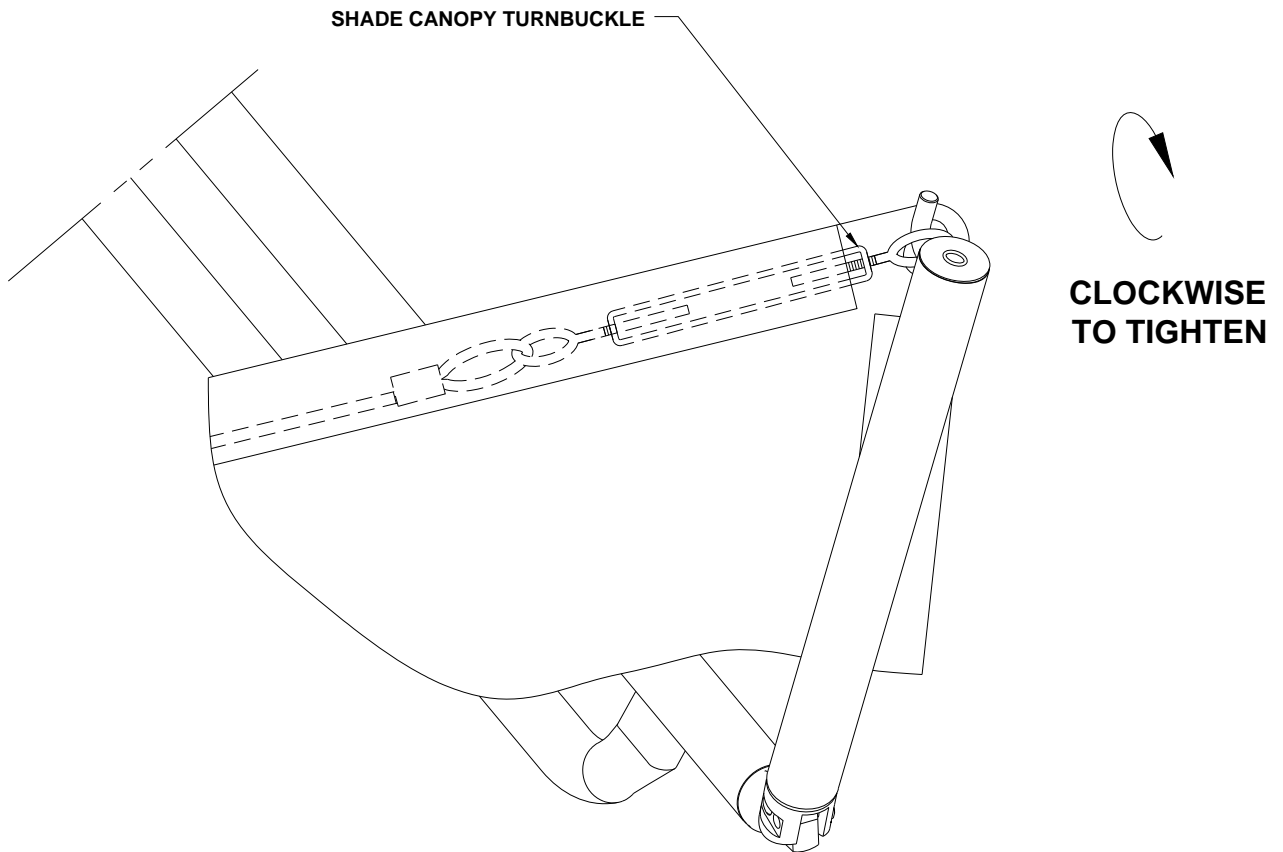


Figure 18: Tightening/Loosening Shade Canopy Turnbuckle

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

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.

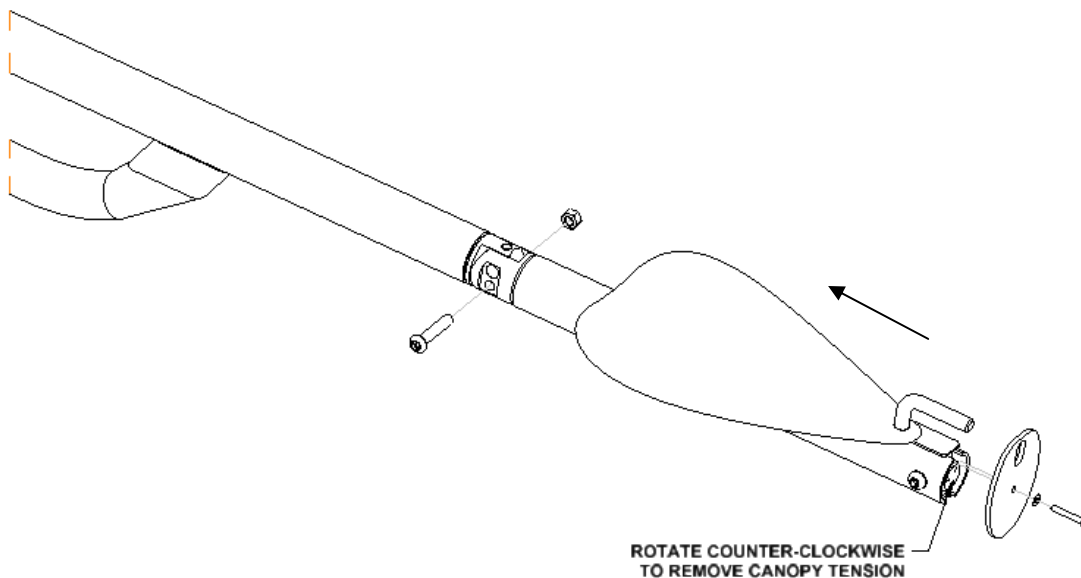


Figure 19: EZ Tension Arm in Closed Position

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

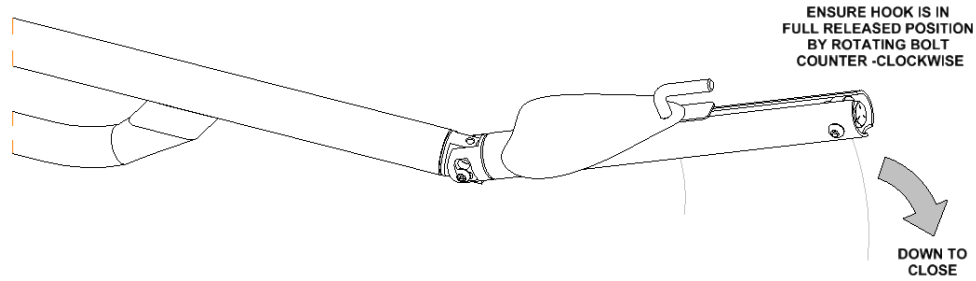


Figure 20: EZ Tension Arm in Open Position

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.

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

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">• 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.
Not all the sensors are activating the sound replay	<ul style="list-style-type: none">• Check that the speaker and sensor connectors are securely seated.
Water or evidence of water inside the electronic housing	<ul style="list-style-type: none">• If water is found inside the housing please contact the manufacturer immediately.

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

Fault	Solution
No sound or intermittent sound with older batteries	<ul style="list-style-type: none"> • 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. • 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. • Replace the batteries with high-quality alkaline batteries (i.e. Duracell Ultra or better).
No sound or intermittent sound with new batteries	<ul style="list-style-type: none"> • Allow at least five minutes for the batteries and unit to acclimatize to the environment. • 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. • 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. • 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.
The sound chip appears to be dislodged from its housing	<ul style="list-style-type: none"> • 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. IMPORTANT – excessive or uneven pressure may cause the chip to be damaged. If in doubt, contact the manufacturer. • If the pins are not located in or directly above the corresponding housing socket, DO NOT attempt to use pressure to re-seat the chip. Contact the manufacturer for advice.
No sound or intermittent sound when all previous solutions have been exhausted	<ul style="list-style-type: none"> • 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.

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

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.

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

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.

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

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,

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

- 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.

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

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		

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

MAINTENANCE

General Maintenance Checklist

Date																			
Visible cracks, bending, warping																			
Accessible sharp edges or points *																			
Rusted metal surfaces																			
Rusting of metal and corrosion on aluminum																			
Deformation of open hooks, rings, links, etc. *																			
Worn swing hangers and chain																			
Missing or damaged swing seats																			
Heavy swing seats with sharp corners or edges *																			
Broken supports/anchors																			
Jagged, exposed or cracked and loose concrete footing																			
Inadequate surfacing material under equipment *																			
Exposed ends of pipe. Missing caps or plugs *																			
Protruding bolt ends *																			
Chipped or peeling paint																			
Cuts or fraying in rope with exposed steel reinforcement strands																			
Vandalism, broken glass, trash, etc.																			
Broken or missing rails, steps, rungs, seats																			
Loose or missing hardware																			
Crush or Shear points *																			
Moving components, etc.																			
Lack of lubrication on moving parts																			
Worn bearings																			
Poor drainage areas at footings, slide exits, etc																			
Vandalized or cracked PVC coating																			

*for further definition, reference ASTM F1487

Directions:

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

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

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

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

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

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.

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

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.

BCI Burke Company, LLC

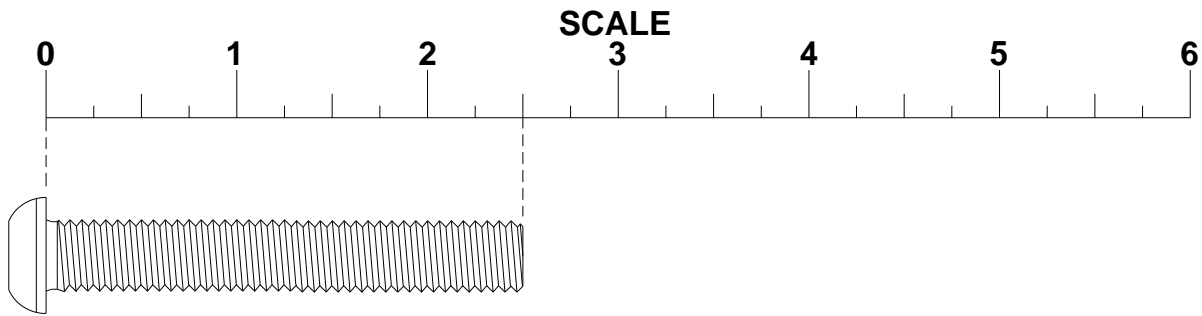
660 Van Dyne Road • P.O. Box 549 • Fond du Lac, WI 54936-0549 • (920) 921-9220 • 1-800-356-2070 • Fax (920) 921-9566

www.bciburke.com

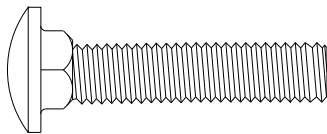
APPENDIX

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

BCI BURKE HARDWARE

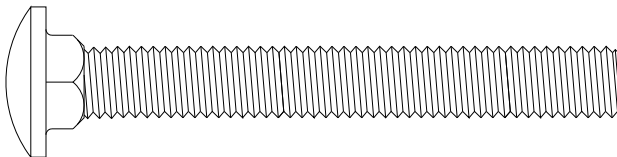


- 001-0116 - 3/8" X 3/4" SS BUTTON HEAD CAP SCREW
- 001-0117 - 3/8" X 1" SS BUTTON HEAD CAP SCREW
- 001-0118 - 3/8" X 1 1/4" SS BUTTON HEAD CAP SCREW
- 001-0119 - 3/8" X 1 1/2" SS BUTTON HEAD CAP SCREW
- 001-0120 - 3/8" X 1 3/4" SS BUTTON HEAD CAP SCREW
- 001-0121 - 3/8" X 2" SS BUTTON HEAD CAP SCREW
- 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

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

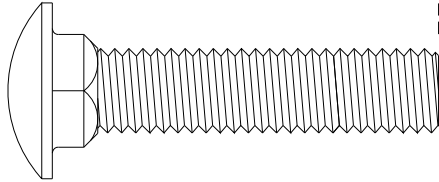
www.bciburke.com

BCI BURKE HARDWARE

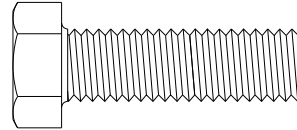
SCALE



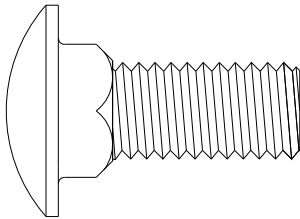
001-0137 - 1/4"-28 UNF X 5/8" ZC HEX HEAD CAP SCREW



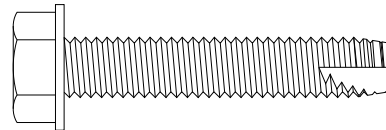
001-0025 - 5/16" X 1" HEX HEAD BOLT
 001-0147 - 5/16" X 1" SS HEX HEAD BOLT
 001-0146 - 5/16" X 1 1/4" SS HEX HEAD BOLT
 001-0184 - 5/16" X 1 3/4" SS HEX HEAD BOLT



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

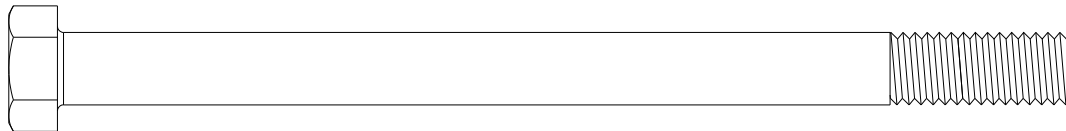


001-0056 - 3/8" X 1 1/4" HEX HEAD CAP SCREW
 001-0058 - 3/8" X 1" HEX HEAD CAP SCREW
 001-0087 - 3/8" X 1 1/2" HEX HEAD CAP



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

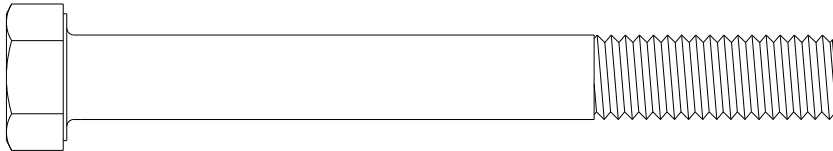
BCI Burke Company, LLC

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

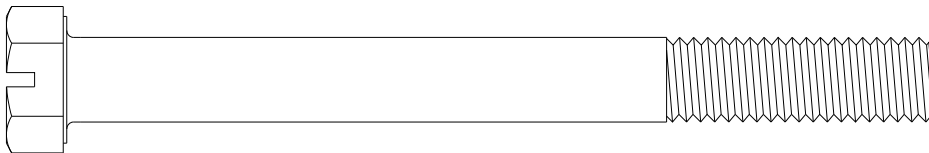
BCI BURKE HARDWARE

SCALE



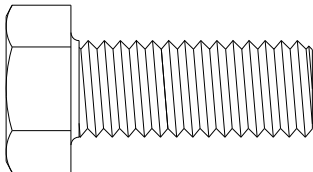
001-0096 - 7/16" X 3 1/2" HEX HEAD CAP SCREW
001-0132 - 7/16" X 4" HEX HEAD CAP SCREW

001-0062 - 7/16" X 1 1/4" HEX HEAD CAP SCREW
001-0049 - 7/16" X 4 1/2" HEX HEAD CAP SCREW

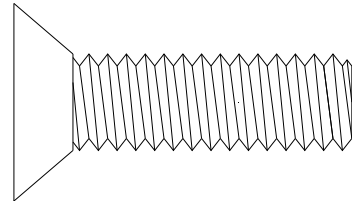


001-0037 - 7/16" X 3" HEX HEAD CAP SCREW - SLOTTED
001-0047 - 7/16" X 4 1/2" HEX HEAD CAP SCREW - SLOTTED

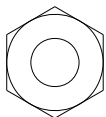
001-0186 - 3/8" X 1 1/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



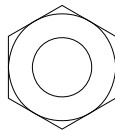
001-0099 - 1/2" X 4 1/2" HEX HEAD CAP SCREW
001-0057 - 1/2" X 1 1/4" HEX HEAD CAP SCREW
001-0160 - 1/2" X 1 1/4" HEX HEAD CAP SCREW - GRADE 8
001-0170 - 1/2" X 5" FULLY THREADED HEX HEAD SCREW



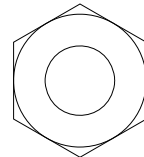
001-0139 - 1/2" X 1 3/4" SS FLAT COUNTERSUNK HEAD CAP SCREW



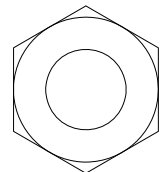
002-0003 - 5/16" LOCK NUT



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

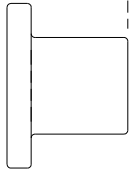
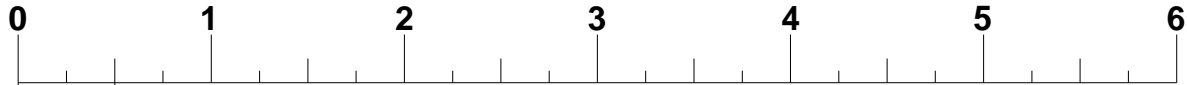
BCI Burke Company, LLC

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

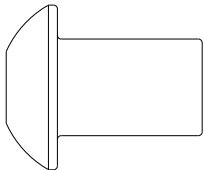
www.bciburke.com

BCI BURKE HARDWARE

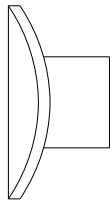
SCALE



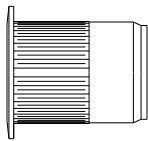
002-0053 - 3/8" X 1/2" SS SOCKET HEAD BARREL NUT
002-0063 - 3/8" X 3/8" SS SOCKET HEAD BARREL NUT



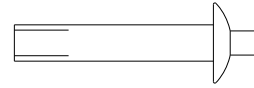
002-0062 - 3/8" X 3/4" SS SOCKET HEAD BARREL NUT



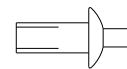
002-0040 - 3/8" SS T-NUT FORMED
002-0028 - 1/4" T-NUT



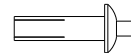
002-0042 - 3/8" NUT INSERT



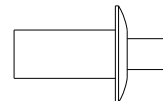
019-0002 - 3/16" X 7/8" DRIVE RIVET
019-0004 - 3/16" X 1 5/32" RIVET



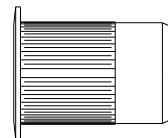
019-0010 - 5/32" X 3/8" DRIVE RIVET



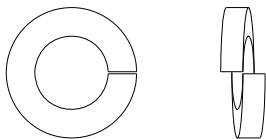
019-0016 - 1/8" X 15/32" DRIVE RIVET



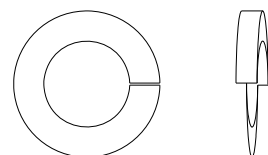
019-0020 - 1/4" X 1/2" DRIVE RIVET
019-0009 - 1/4" X 3/4" DRIVE RIVET



002-0061 - 3/8" NUT INSERT (7 GA GRIP)



021-0022 - 3/8" LOCK WASHER



021-0027 - 7/16" LOCK WASHER

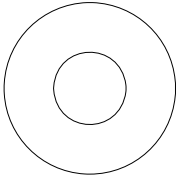
BCI Burke Company, LLC

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

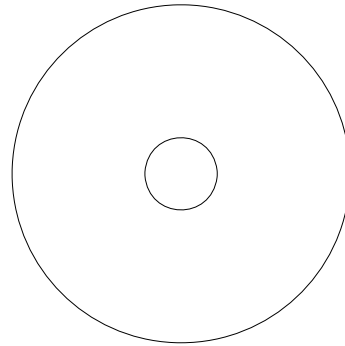
www.bciburke.com

BCI BURKE HARDWARE

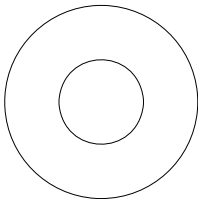
SCALE



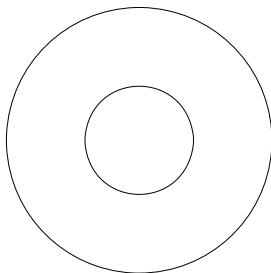
021-0032 - 5/16" SS FLAT WASHER
021-0028 - 5/16" FLAT WASHER



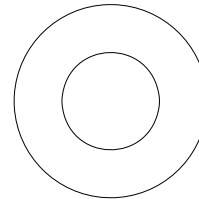
021-0012 - 3/8" X 1 3/4" WASHER
021-0001- 1 3/4" OD X 13/16" ID X 3/32" WASHER



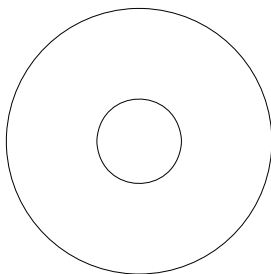
021-0033 - 3/8" SS FLAT WASHER
021-0029 - 3/8" FLAT WASHER



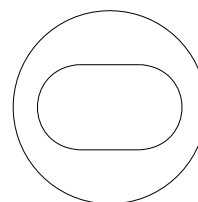
021-0025 - 1/2" FLAT WASHER
021-0034 - 1/2" SS FLAT WASHER



021-0042 - WASHER, NYLON, 1/2" ID X 1" OD X .125 THK



021-0008 - 1 3/8" OD WASHER



021-0019 - 3/8" X 1" OD SLOTTED WASHER

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

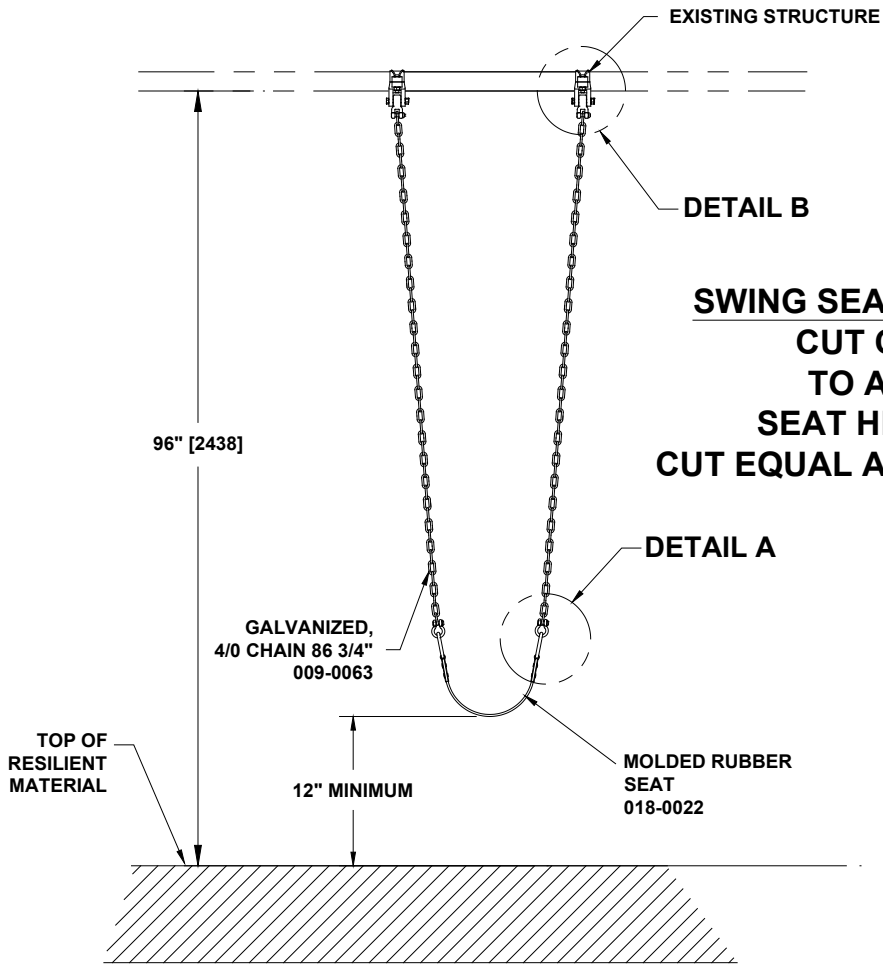
Installation Instructions

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

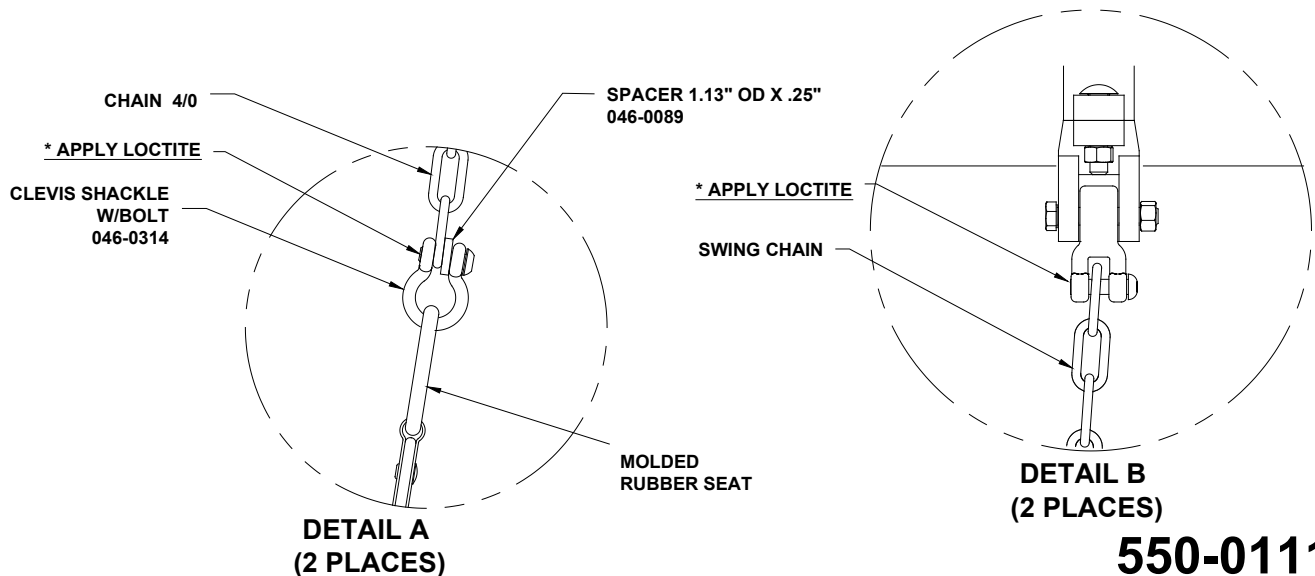
www.bciburke.com

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



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
046-0291	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.

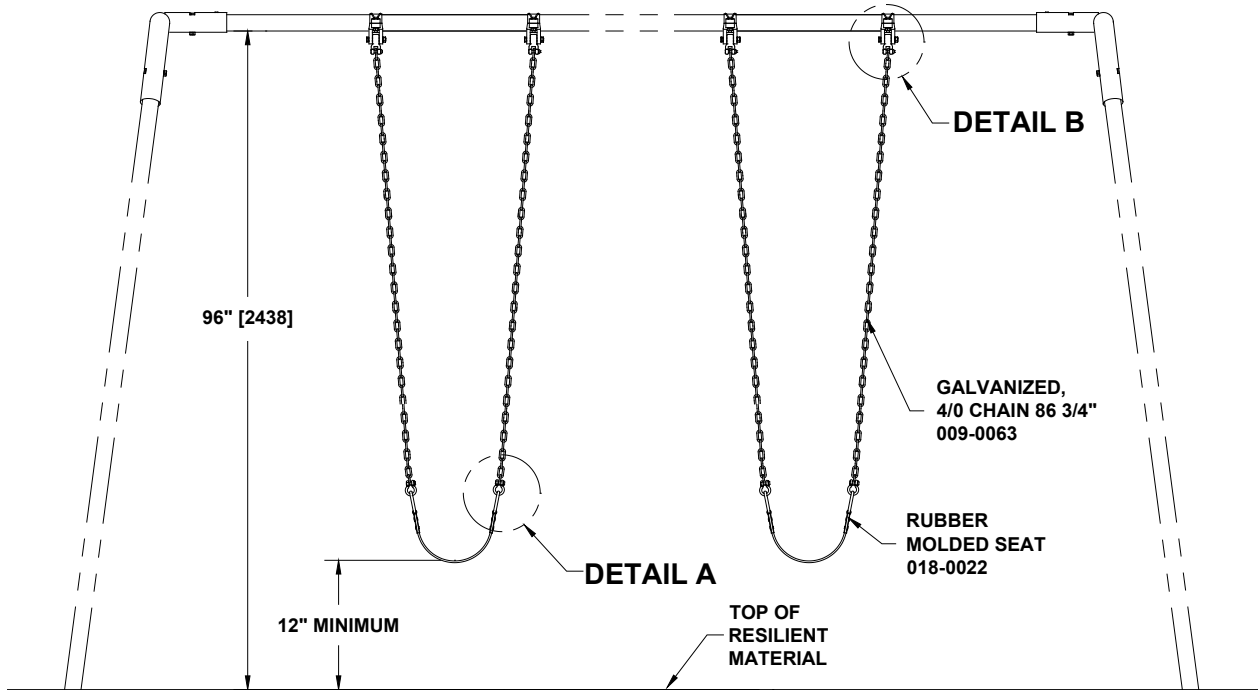
LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

CLEVIS SHACKLE W/BOLT: 5/16" Shackle with a 3/8" X 1 1/2" bolt.

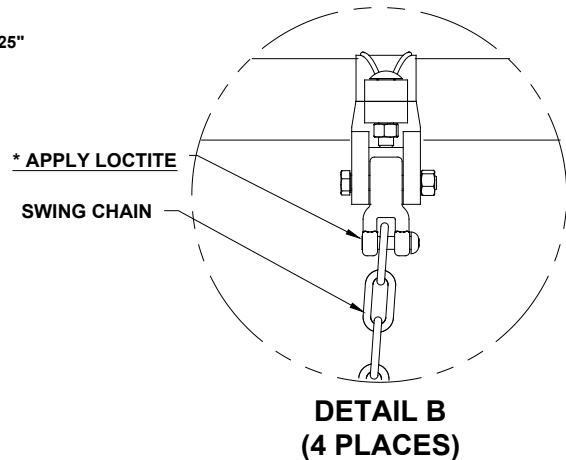
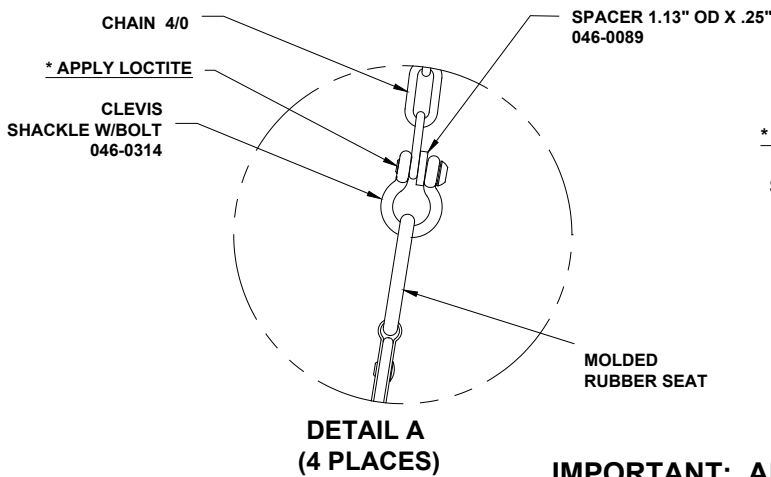
SHIPPING WEIGHT: 11 LBS.

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.**



SWING SEAT HEIGHT REQUIREMENTS
CUT CHAIN OFF THE TOP,
TO ATTAIN 12\"/>



IMPORTANT: APPLY LOCTITE
TO END OF BOLTS BEFORE TIGHTENING

550-0112

BELT SEAT, 8' PAIR, STD CHAIN

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
009-0063	GALVANIZED 4/0 CHAIN 86 3/4"	4
018-0022	MOLDED RUBBER SEAT	2
046-0089	SPACER 1.13" OD X .25"	4
046-0291	LOCTITE	1
046-0314	CLEVIS SHACKLE W/BOLT	4

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: 20 LBS.

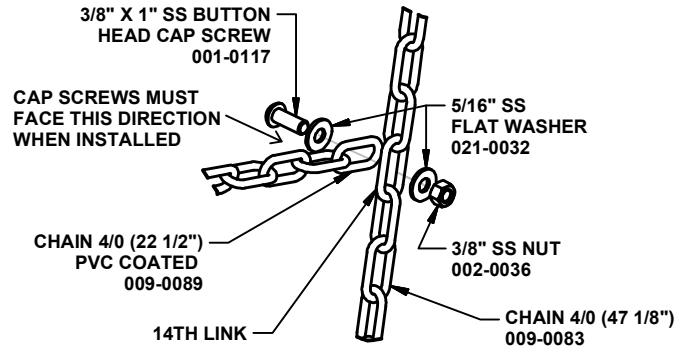
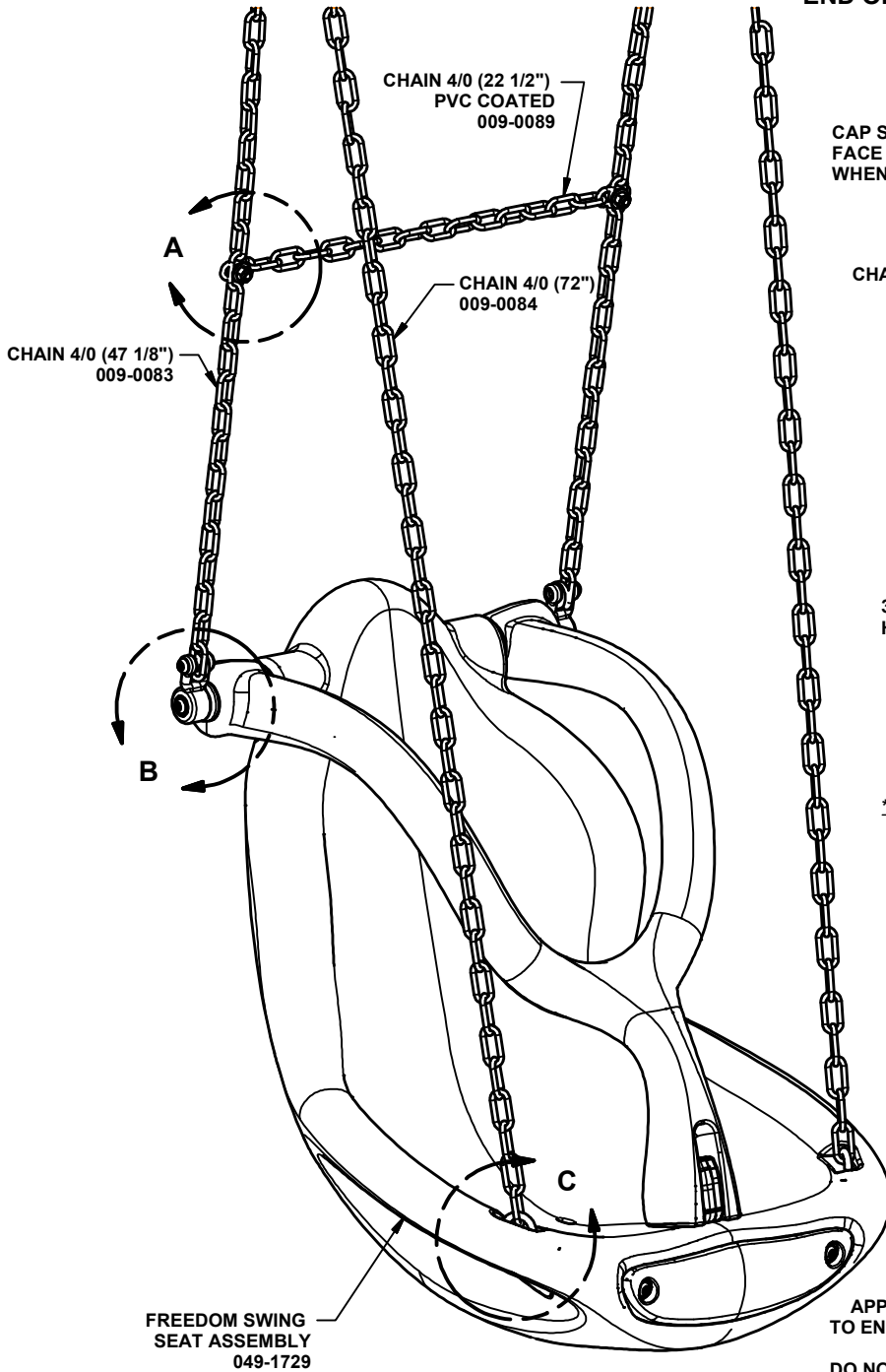
INSTALLATION INSTRUCTIONS

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.**

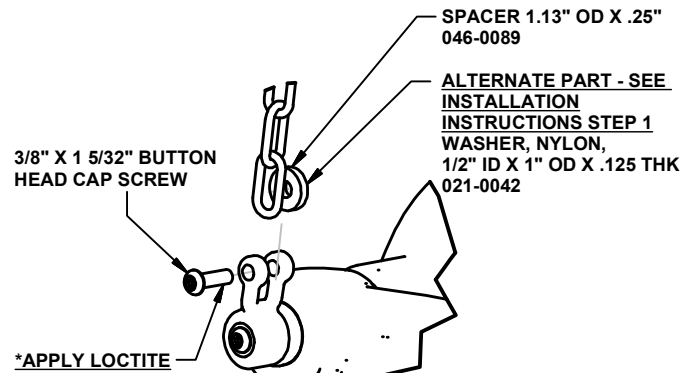


UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [] BRACKETS.

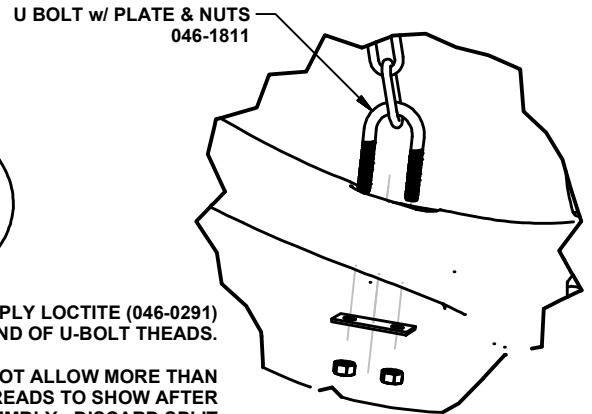
***IMPORTANT: APPLY LOCTITE TO
END OF BOLTS BEFORE TIGHTENING**



**DETAIL A (2 PLACES)
CROSS CHAIN CONNECTION**



**DETAIL B (2 PLACES)
REAR CHAIN ATTACHMENT**



**DETAIL C (2 PLACES)
FRONT LONG CHAIN ATTACHMENT**

CHAIN PART NUMBER GUIDE		
CHAIN DESCRIPTION	REAR CHAIN PART #	FRONT CHAIN PART #
7' BEAM, GALVANIZED CHAIN	009-0083	009-0084
8' BEAM, GALVANIZED CHAIN	009-0083	009-0084

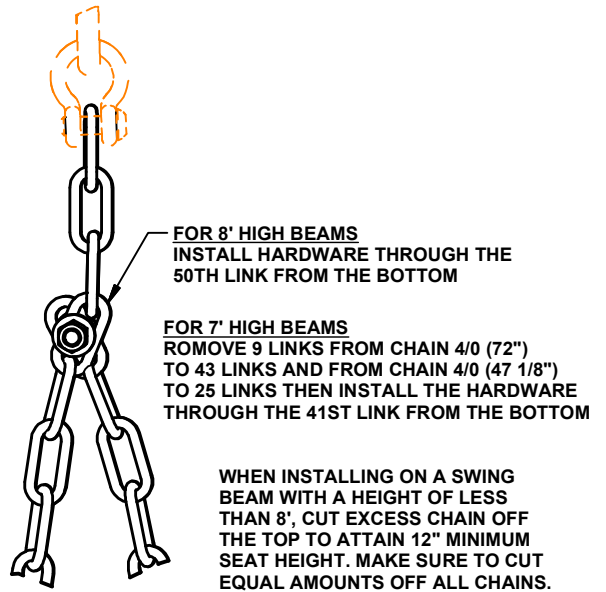
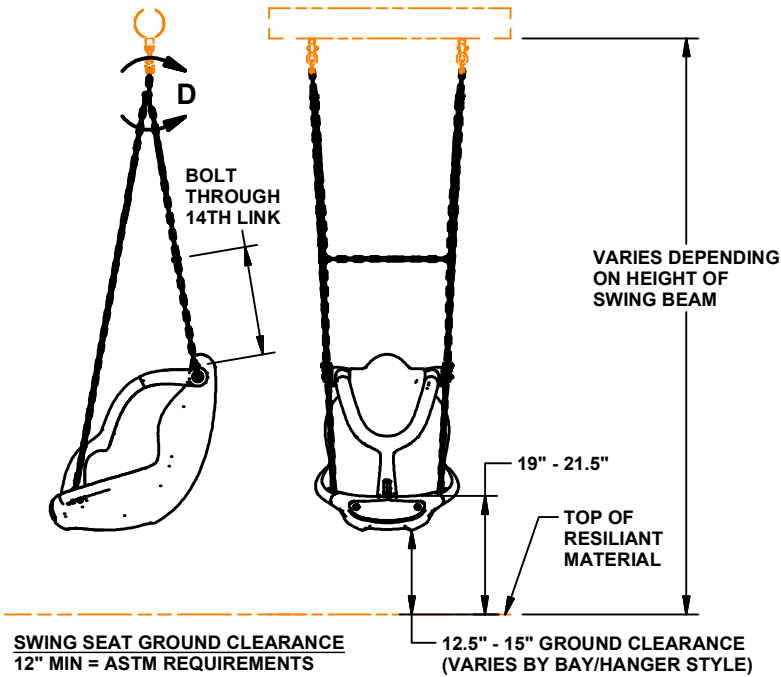
550-0171 FREEDOM SWING SEAT, 8' BEAM, STD CHAIN



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE INCHES WITH MILLIMETER EQUIVALENT INSIDE [] BRACKETS.

ELEVATION

DETAIL D

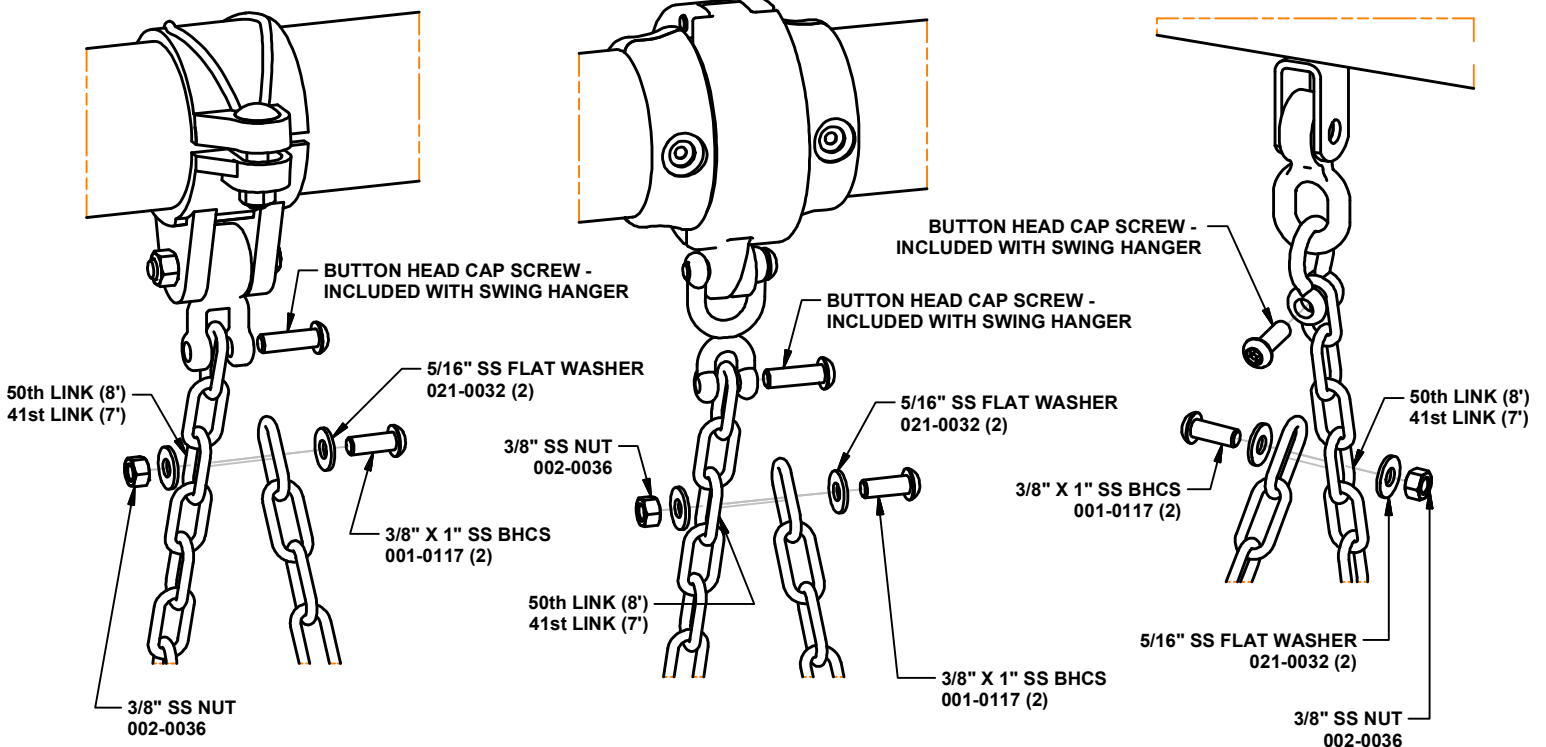


SWING HANGER STYLE GUIDE

CHAIN INTERSECTION @ 50 LINKS FROM BOTTOM OF CHAIN 4/0 (72")

CHAIN INTERSECTION @ 50 LINKS FROM BOTTOM OF CHAIN 4/0 (72")

CHAIN INTERSECTION @ 50 LINKS FROM BOTTOM OF CHAIN 4/0 (72")



550-0171

FREEDOM SWING SEAT, 8' BEAM, STD CHAIN

PARTS LIST

PART NO.	DESCRIPTION	QTY
009-0083	CHAIN 4/0 (47 1/8")	2
009-0084	CHAIN 4/0 (72")	2
009-0089	CHAIN 4/0 (22 1/2") PVC COATED	1
036-0870	HARWARE PACK	1
046-0089	SPACER 1.13" OD X .25"	2
046-0291	LOCTITE	1
046-1811	U BOLT w/ PLATE & NUTS, 5/16"-18	2
049-1729	FREEDOM SWING SEAT ASSEMBLY	1

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

CHAIN 4/0 (47 1/8"): 3/8" diameter, 4/0 straight coil chain.

CHAIN 4/0 (72"): 3/8" diameter, 4/0 straight coil chain.

CHAIN 4/0 (22 1/2"): 3/8" diameter, 4/0 straight coil chain. PVC coated after fabrication.

HARDWARE PACK: Stainless steel screws, washers & nuts, nylon washers and zinc plated steel lock washer.

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.

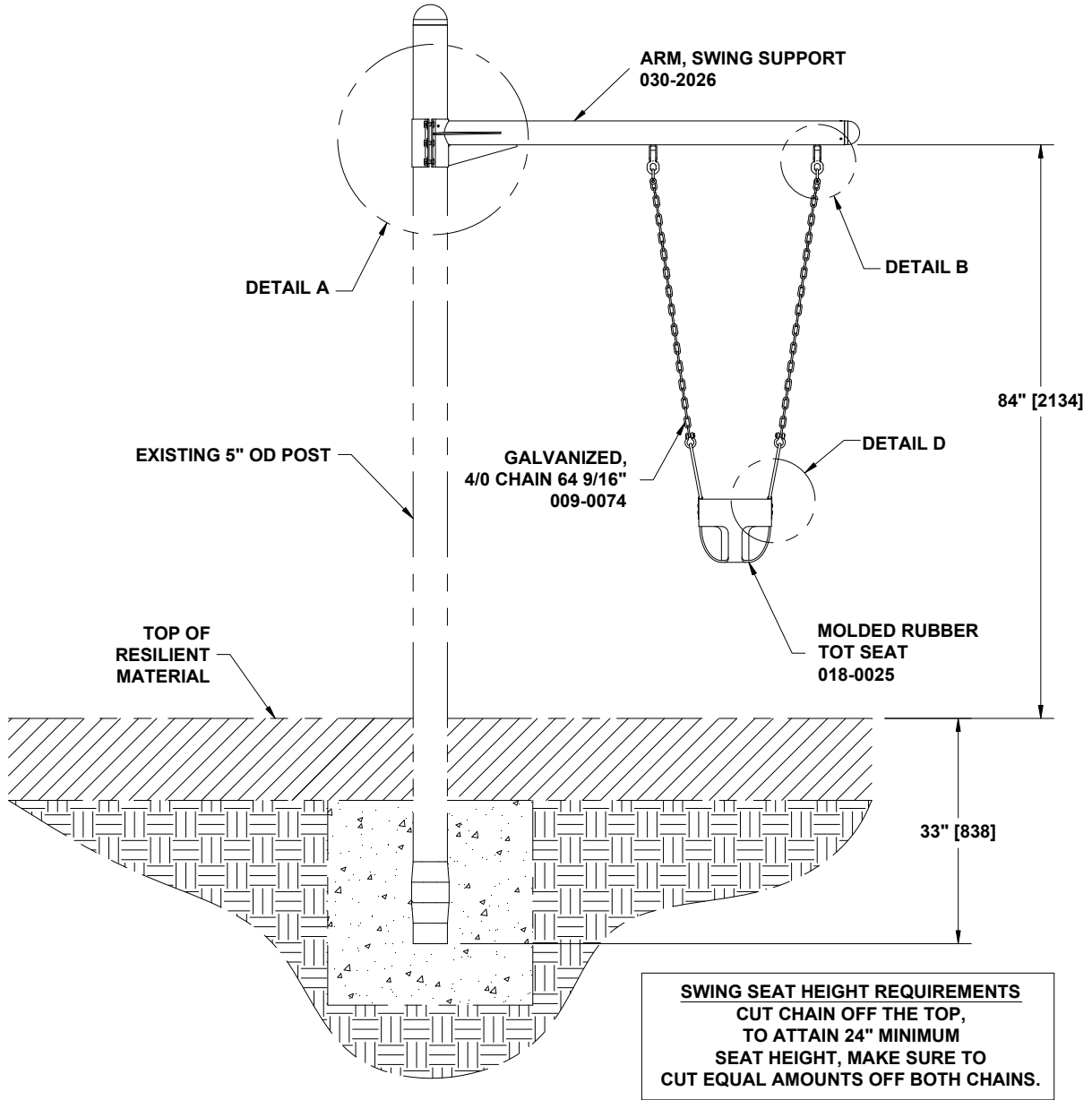
U BOLT w/ PLATE & NUTS, 5/16"-18: Stainless steel hardware

FREEDOM SWING SEAT ASSEMBLY: Seat with harness made of 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 assembled together using an aluminium rod, stainless steel hardware, shims, springs, pins & standoffs along with a rubber bumper.

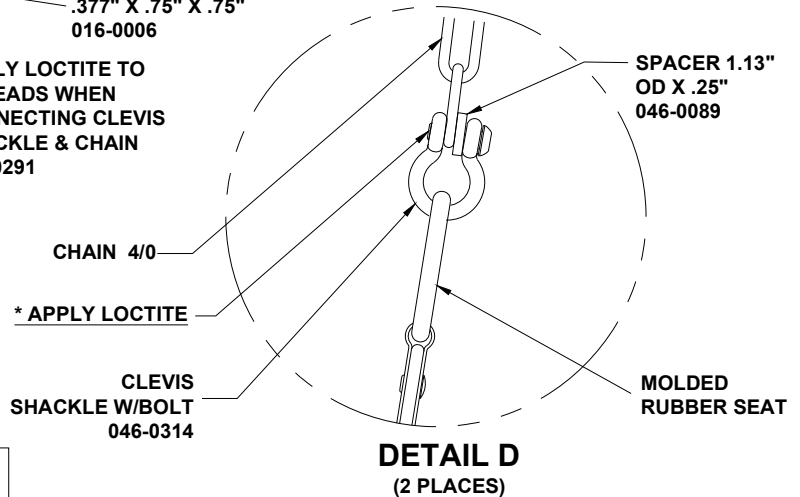
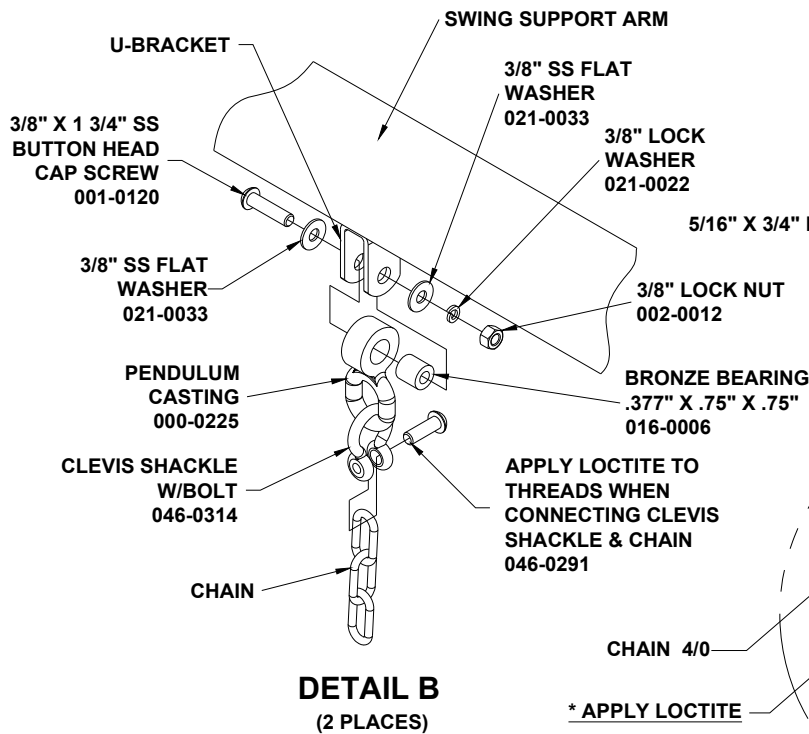
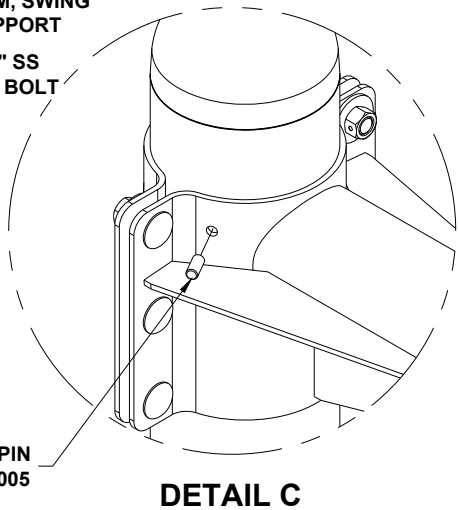
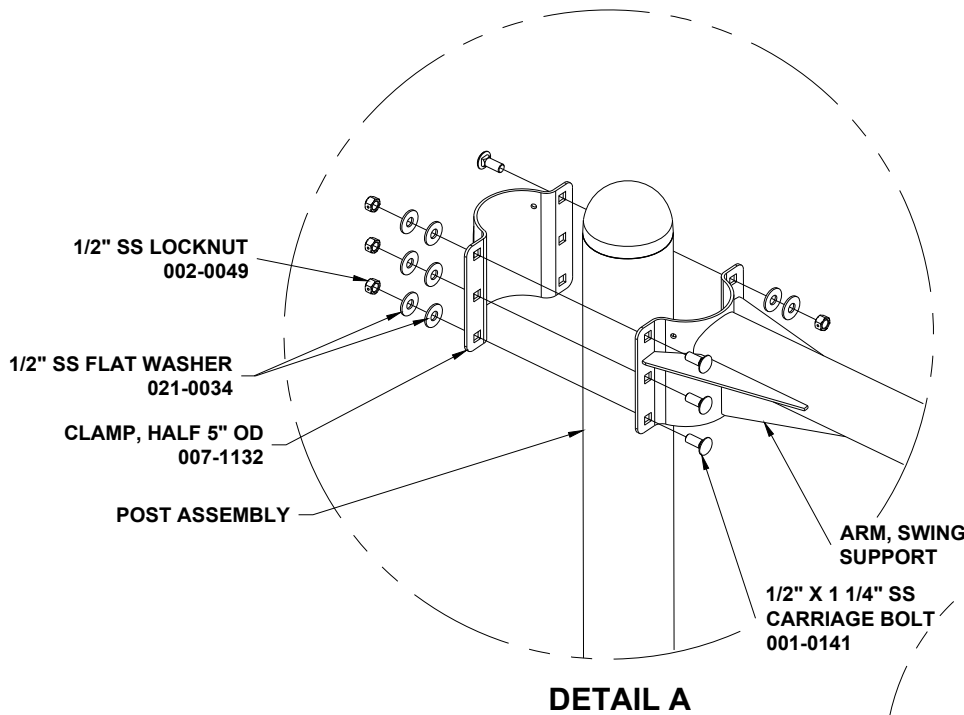
SHIPPING WEIGHT: 38 LBS.

INSTALLATION INSTRUCTIONS

1. Unscrew cap screw from the rear attachment hanger on the swing. Connect CHAIN 4/0 (47 1/8") to the FREEDOM SWING SEAT using the hardware shown in DETAIL B. Ensure the SPACER is installed inboard of the chains when making this attachment. Apply loctite to all shackle bolts and tighten. **NOTE: IF SPACER 1.13" OD X .25" DOESN'T FIT IN OPENING WITH CHAIN USE WASHER, NYLON, 1/2" ID X 1" OD X .125 THK IN ITS PLACE.**
2. Attach the CHAIN 4/0 (72") to the FREEDOM SWING SEAT using the hardware shown in DETAIL C. Attach CHAIN 4/0 (72") to U-bolt and gently tap the U-BOLT through the FREEDOM SWING SEAT only until you are able to install the U-BOLT PLATE and NUTS (discard lock washers - not needed). Loctite must be applied to the U-bolt threads prior to installing the NUTS. Tighten the nuts on the underside of the U-BOLT PLATE until no more than 2 threads are visible on the U-bolt.
3. Attach CHAIN 4/0 (72") to swing hangers as shown in SWING HANGER STYLE GUIDE.
4. Attach CHAIN 4/0 (47 1/8") to the 50th link in CHAIN 4/0 (72") using the hardware shown in the SWING HANGER STYLE GUIDE. If installing on a beam lower than 8' refer to DETAIL D for special chain trimming instructions.
5. Attach CHAIN 4/0 (22 1/2") to CHAIN 4/0 (47 1/8") using the hardware shown in DETAIL A. CHAIN 4/0 (22 1/2") must be installed through the 14th link from the bottom of CHAIN 4/0 (47 1/8"). Threads must also face inward/downward as shown in DETAIL A.
6. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.

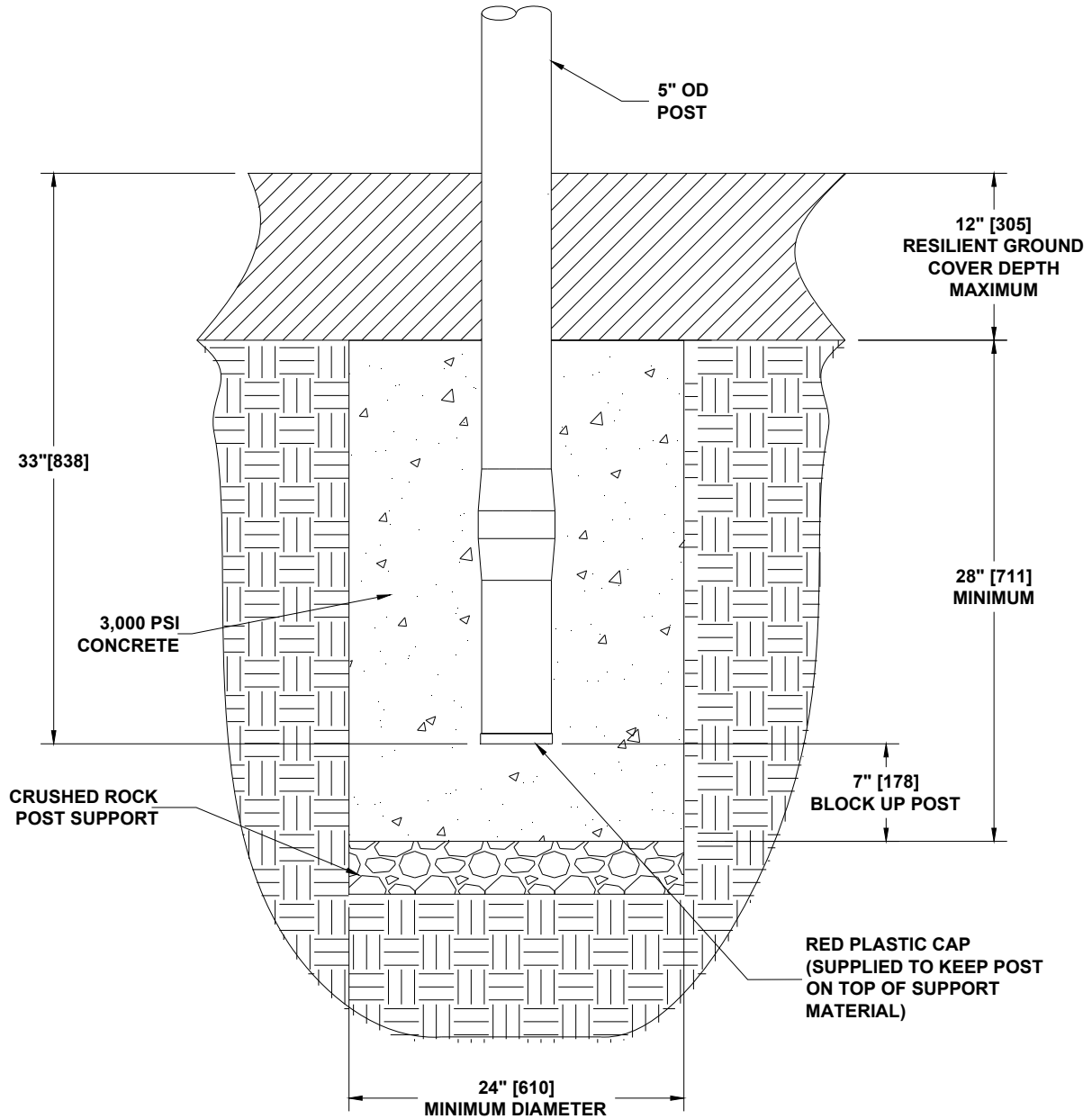


550-0183
TOT BAY, ADD-ON, GALV CHAIN



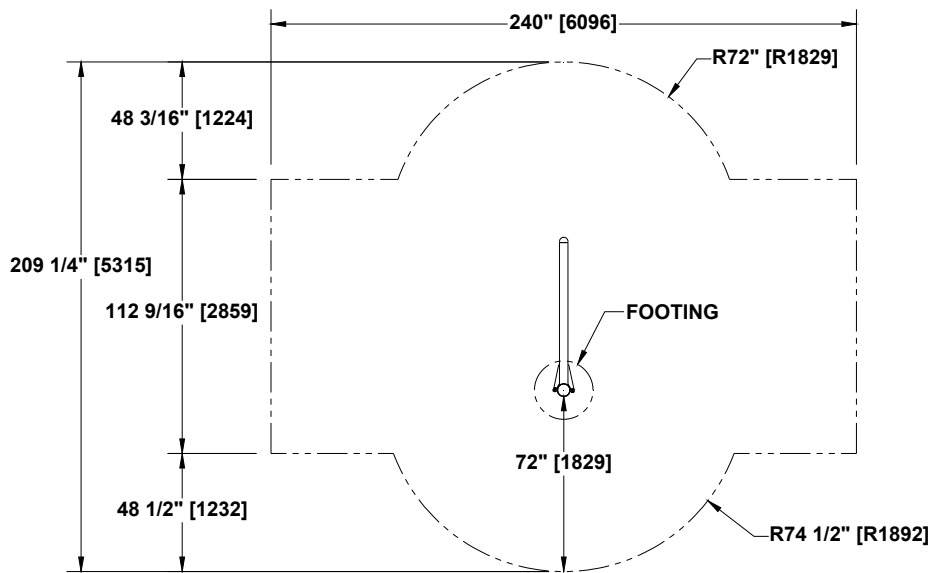
IMPORTANT: APPLY LOCTITE TO END OF BOLTS BEFORE TIGHTENING

550-0183 TOT BAY, ADD-ON, GALV CHAIN

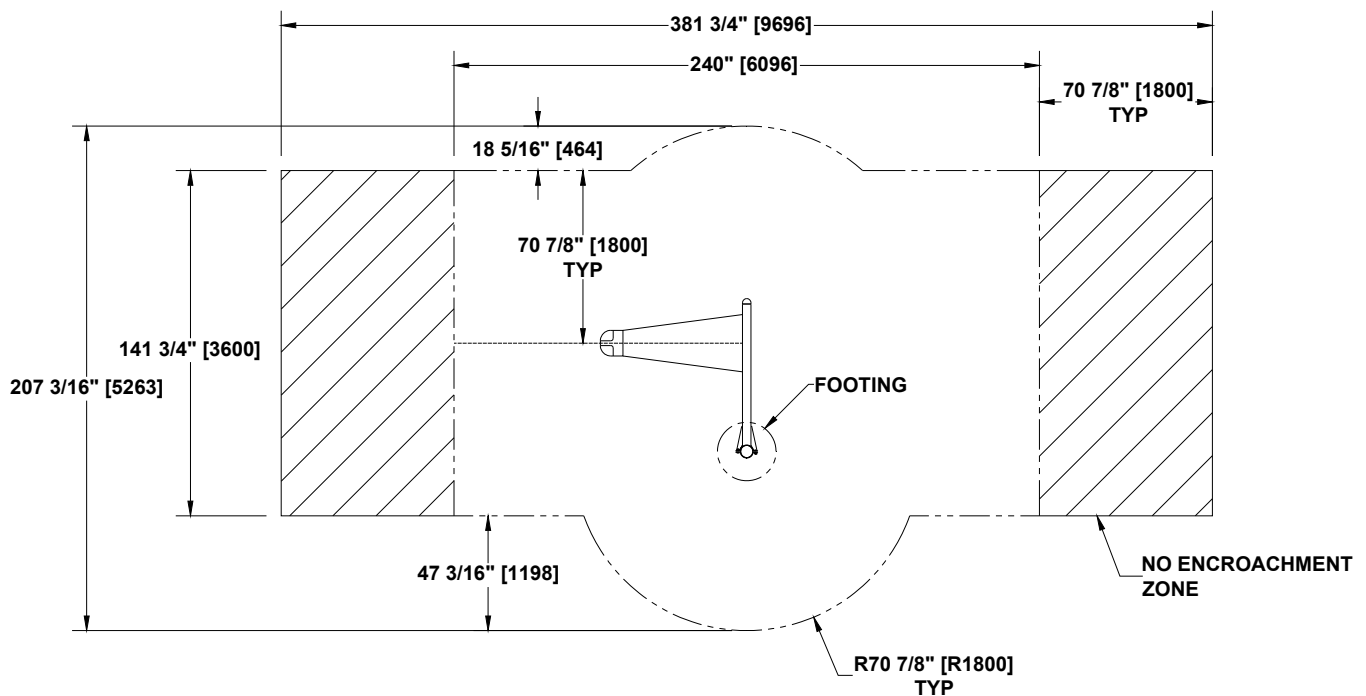


FOOTING DETAIL

550-0183 TOT BAY, ADD-ON, GALV CHAIN



USA
USE ZONE PER ASTM/CPSC STANDARDS



CANADA
PROTECTIVE SURFACING ZONE PER CSA STANDARDS

550-0183 TOT BAY, ADD-ON, GALV CHAIN

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
000-0225	PENDULUM CASTING	2
007-1132	CLAMP, HALF 5" OD x 7"	1
009-0074	GALVANIZED, 4/0 CHAIN 64 9/16"	2
016-0006	BRONZE BEARING .377" X .75" X .75"	2
018-0025	MOLDED RUBBER TOT SEAT	1
030-2026	ARM, SWING SUPPORT	1
036-0788	HARDWARE PACKAGE	2
036-1427	HARDWARE PACKAGE	1
036-1429	HARDWARE PACKAGE	1
046-0089	SPACER 1.13" OD X .25"	2
046-0291	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

CLAMP, HALF 5" OD x 7": 8 GA galvanized steel plate finished with a baked on powder coating.

GALVANIZED, 4/0 CHAIN 64 9/16": 3/8" diameter, 4/0 straight coil chain.

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

MOLDED RUBBER TOT SEAT: Molded rubber, reinforced with a steel insert. Riveted galvanized attachment hardware.

ARM, SWING SUPPORT: One piece all welded construction consisting of 3 1/2" OD 8 GA galvanized steel tubing and 8 GA galvanized steel plate. Finished with a baked on powder coating.

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.

HARDWARE PACKAGE: Stainless Steel.

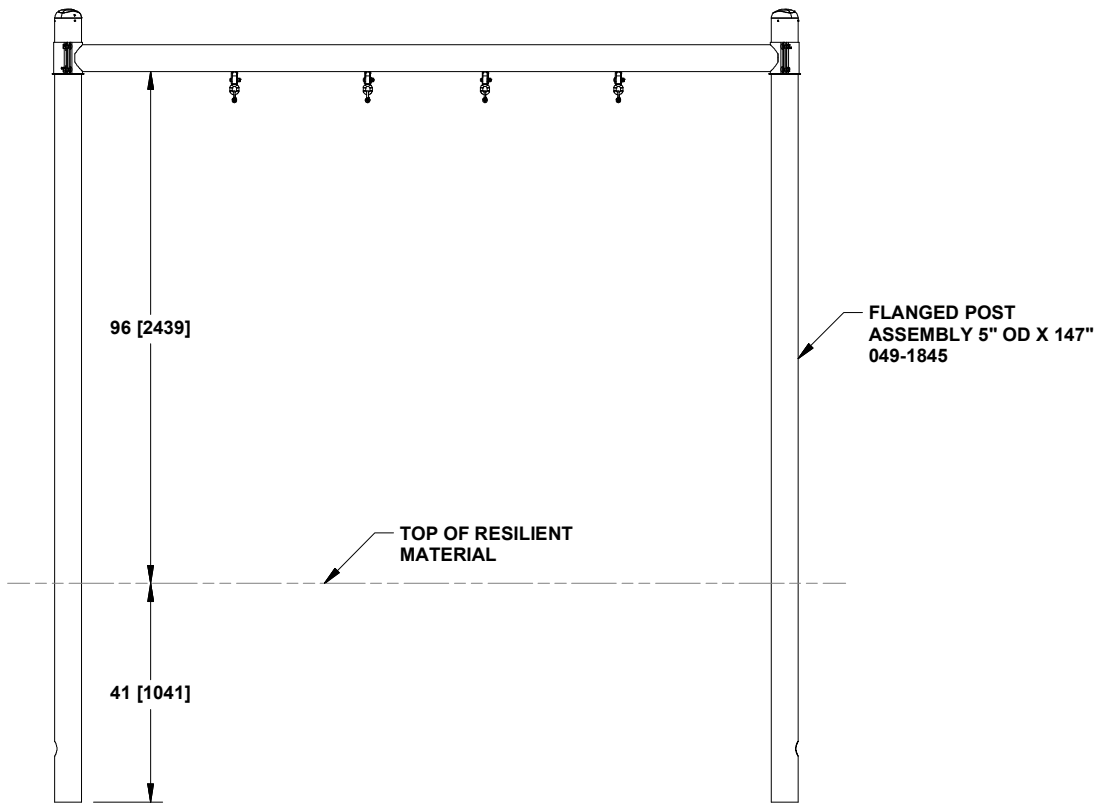
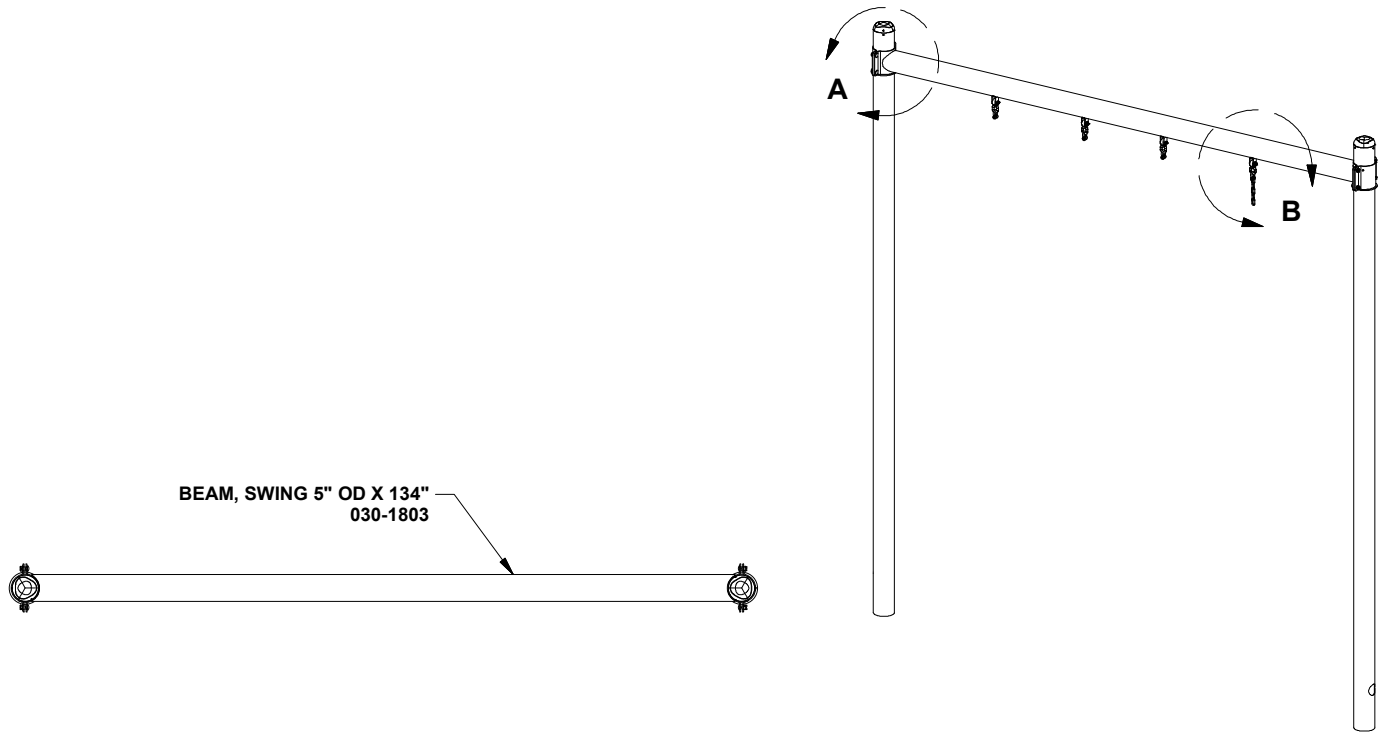
SPACER 1.13" OD X .25": 1/4" Nylatron GS.

LOCTITE: Thread Locker; CAUTION: May irritate eyes, skin and respiratory system. Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

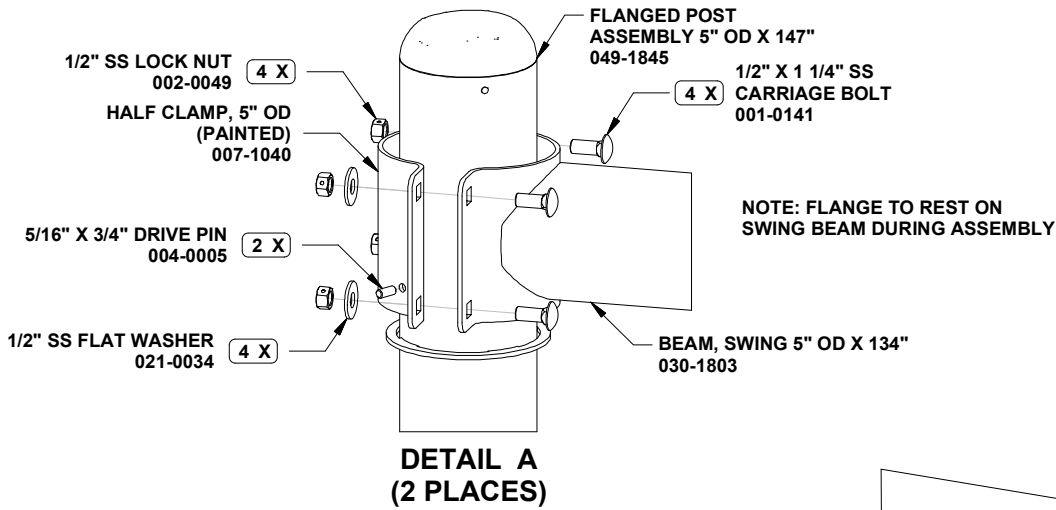
SHIPPING WEIGHT: 52 LBS.

INSTALLATION INSTRUCTIONS

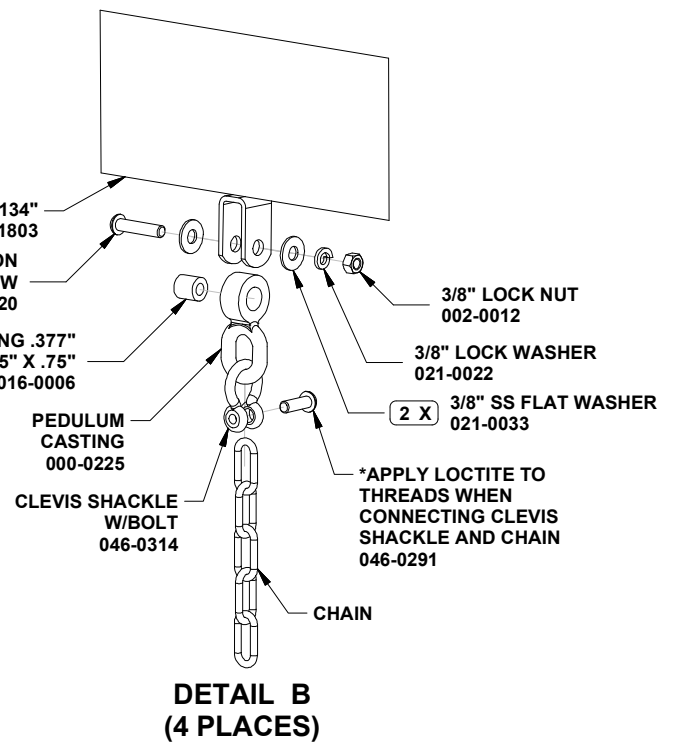
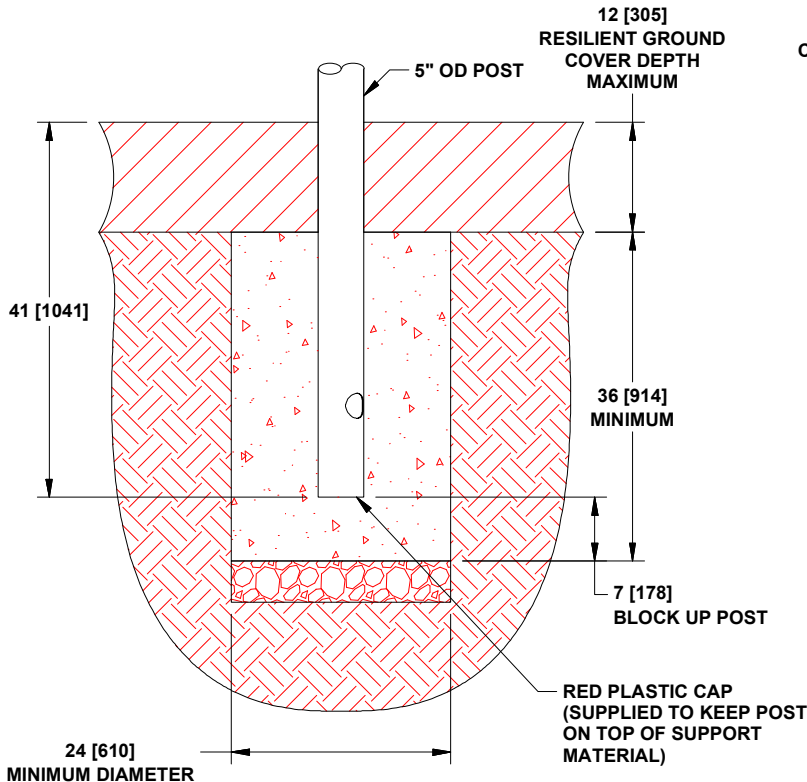
1. Determine location of Early Childhood Tot Bay Add-On Swing.
2. Attach ARM, SWING SUPPORT to CLAMP, HALF 5" OD and 1/2" x 1 1/4" SS carriage bolts, 1/2" SS flat washers and 1/2" SS locknuts. Set to proper height, tighten hardware. See DETAIL A.
3. Insert BRONZE BEARING .377" X .75" X .75" into PENDULUMS and attach to swing support arm as shown in DETAIL B. Tighten hardware.
4. Drill 5/16" diameter holes through pilot holes of half clamps and 5" OD beam. See DETAIL C.
5. Drive 5/16" x 3/4" pins flush with clamps.
6. Spray drive pin locations with touch-up paint.
7. 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.
8. Unscrew bolt in CLEVIS SHACKLE and slide shackles onto both sides of MOLDED RUBBER TOT SEAT. See DETAIL D.
9. 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.
10. 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.
11. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



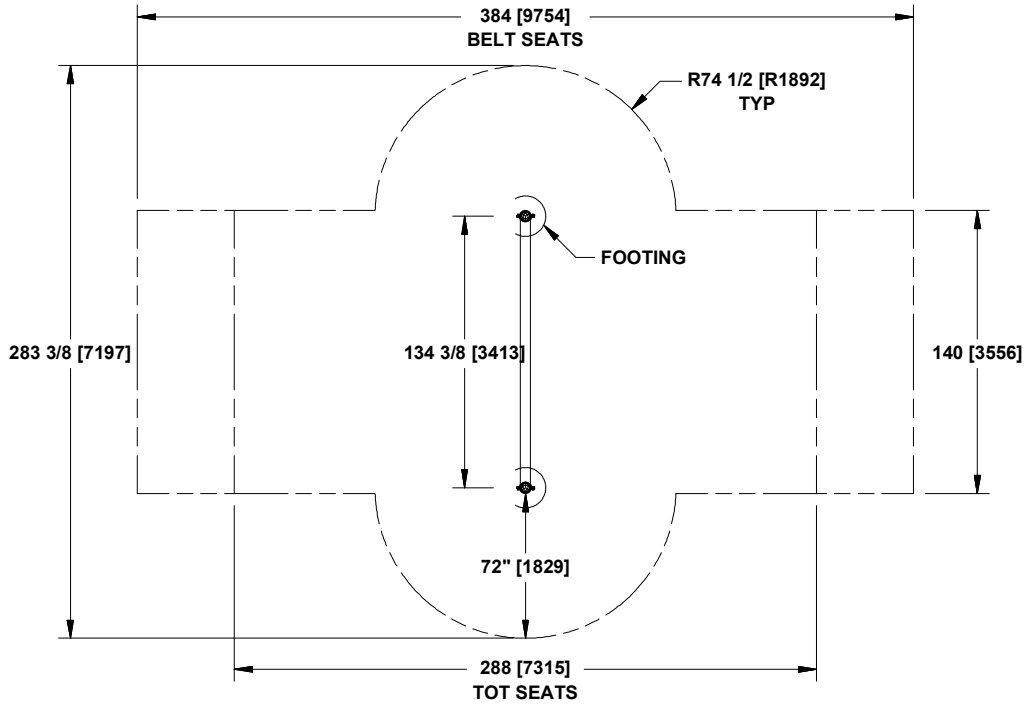
550-0201 SINGLE POST SWING ASSEMBLY 5" OD



FOOTING DETAIL

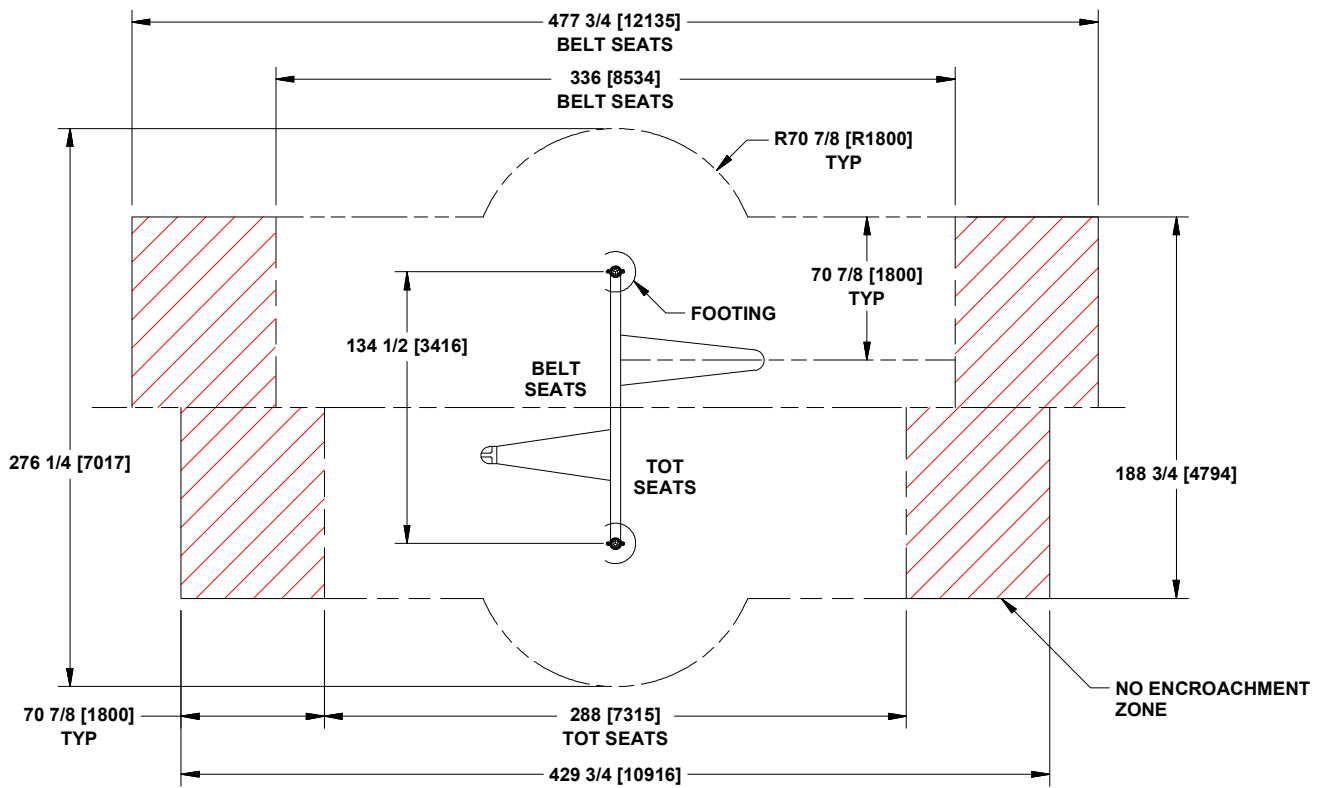


550-0201 SINGLE POST SWING ASSEMBLY 5" OD



USA

USE ZONE PER ASTM/CPSC STANDARDS



CANADA

PROTECTIVE SURFACING ZONE PER CSA STANDARDS

550-0201 SINGLE POST SWING ASSEMBLY 5" OD

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0225	PENDULUM CASTING	4
007-1040	HALF CLAMP, 5" OD (PAINTED)	2
016-0006	BRONZE BEARING .377" X .75" X .75"	4
030-1803	BEAM, SWING 5" OD X 134"	1
036-0788	HARDWARE PACKAGE	2
036-1215	HARDWARE PACKAGE	1
036-1414	HARDWARE PACKAGE	1
046-0291	LOCTITE	1
049-1845	FLANGED POST ASSEMBLY 5" OD X 147"	2

NOTE: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

PENDULUM CASTING: Galvanize plated, grade 32510, malleable iron.

HALF CLAMP, 5" OD (PAINTED): 8 GA galvanized steel plate finished with a baked on powder coating.

BRONZE BEARING .377" X .75" X .75": Oil impregnated, bronze.

BEAM, SWING 5" OD X 134": 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.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel washers & screws and zinc plated steel lock nuts & washers.

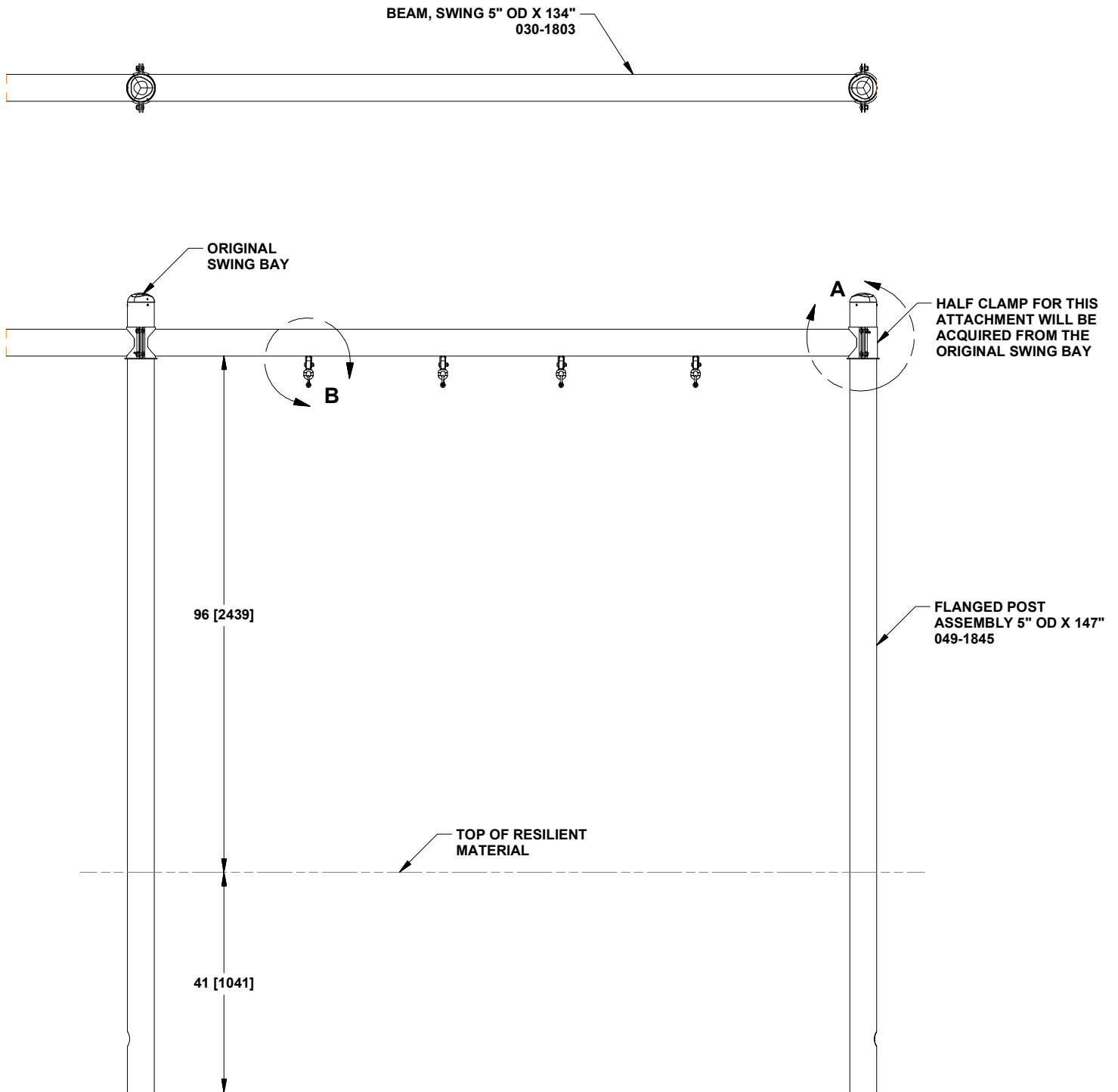
LOCTITE: Thread Locker; **CAUTION: May irritate eyes, skin and respiratory system.** Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

FLANGED POST ASSEMBLY 5" OD X 147": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

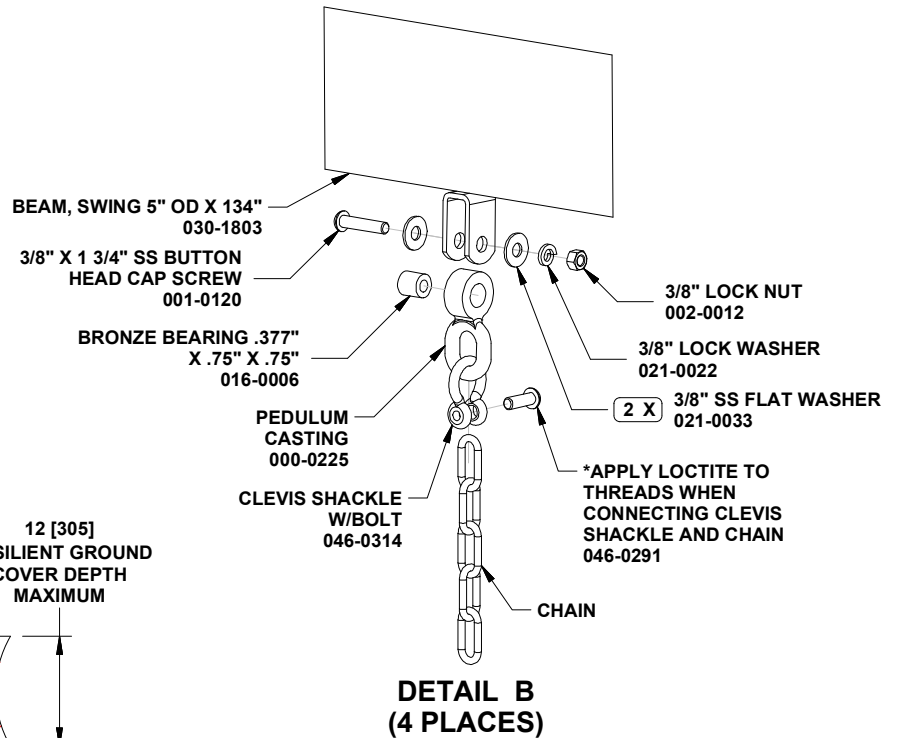
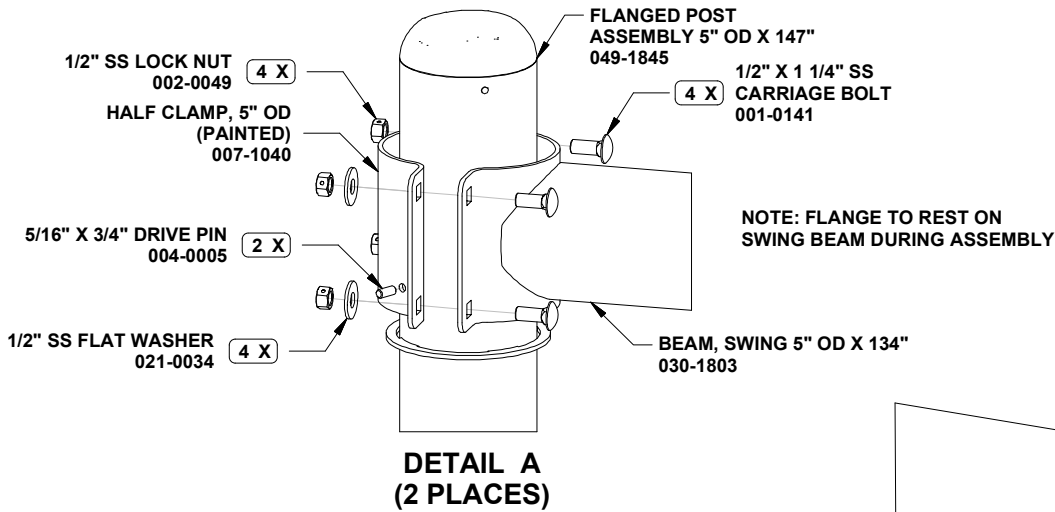
SHIPPING WEIGHT: 220 LBS.

INSTALLATION INSTRUCTIONS

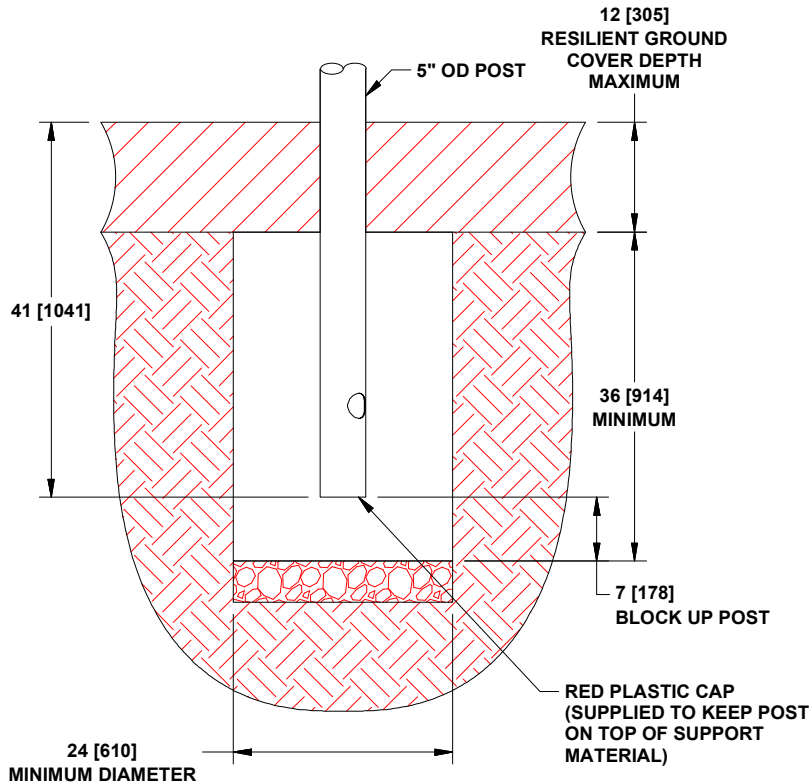
1. Determine 5" OD post locations per dimensions shown.
2. Dig footing holes. See FOOTING DETAIL.
3. Position FLANGED POST ASSEMBLY 5" OD x 147" in the footing holes at the correct depth to attain correct swing beam height, set the SWING BEAM 5" OD X 134" on the flanges on the posts and attach the SWING BEAM 5" OD X 134" to the 5" OD posts using the HALF CLAMPS, 1/2" x 1 1/4" SS carriage bolts, 1/2" SS flat washers and 1/2" SS lock nuts. Tighten hardware. See DETAIL A.
4. Block-up and plumb posts. Level beam.
5. Drill 5/16" diameter holes through pilot holes of half clamps, posts and beams. See DETAIL A.
6. Drive 5/16" x 3/4" pins flush with clamps. See DETAIL A.
7. Spray drive pin locations with touch-up paint.
8. Pour concrete and allow concrete to set for 2-3 days.
9. Insert BRONZE BEARING .377" X .75" X .75" into PENDULUMS and attach to swing beam as shown in DETAIL B.
10. Tighten all hardware.
11. Attach swing chain to pendulum using CLEVIS SHACKLE W/ BOLT. Tighten hardware. See DETAIL B
12. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



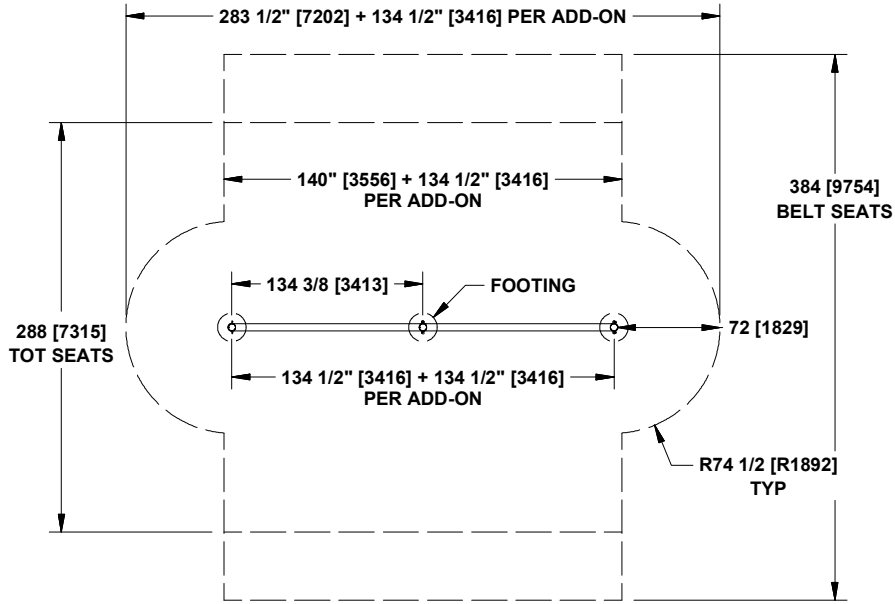
550-0202 SINGLE POST SWING ADD-ON 5" OD



FOOTING DETAIL

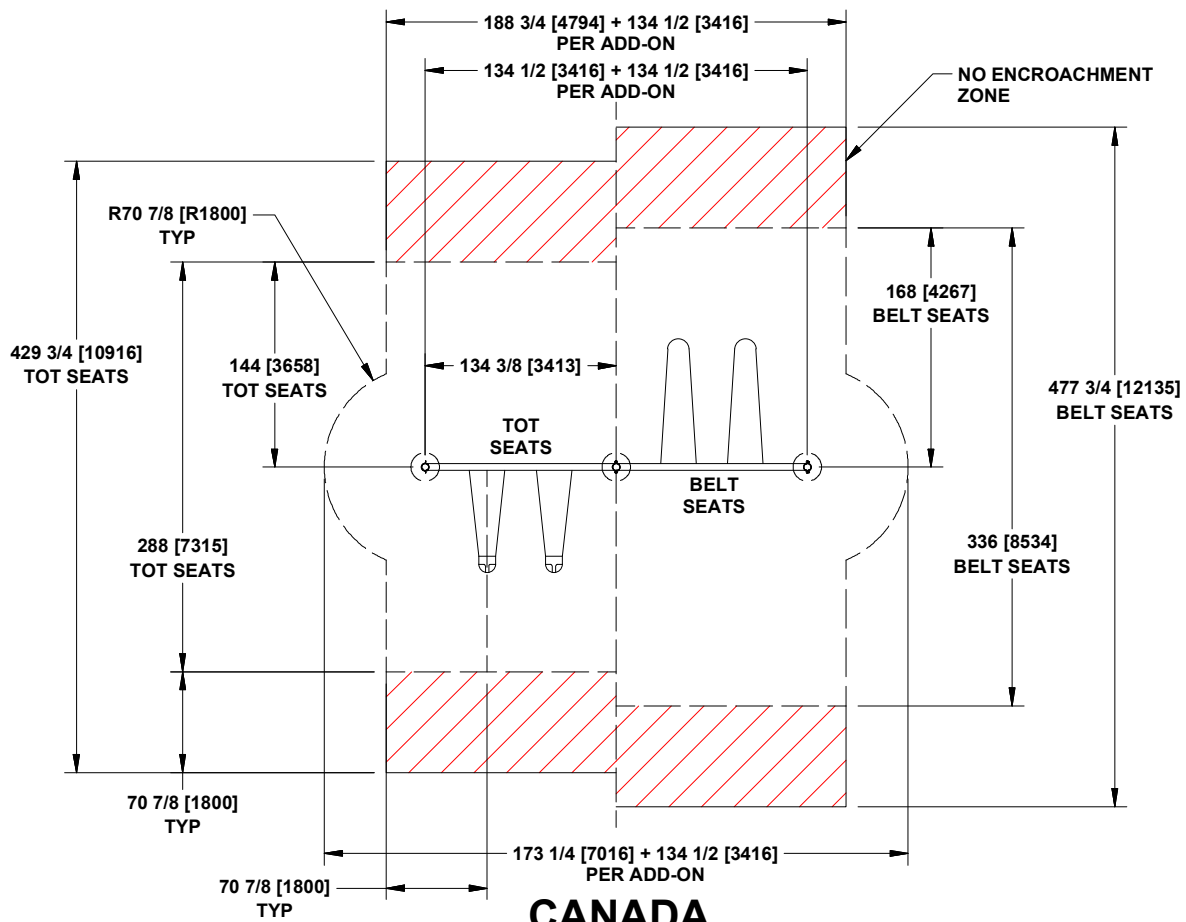


550-0202 SINGLE POST SWING ADD-ON 5" OD



USA

USE ZONE PER ASTM/CPSC STANDARDS



CANADA

PROTECTIVE SURFACING ZONE PER CSA STANDARDS

550-0202 SINGLE POST SWING ADD-ON 5" OD

PARTS LIST

PART NO.	DESCRIPTION	QTY
000-0225	PENDULUM CASTING	4
016-0006	BRONZE BEARING .377" X .75" X .75"	4
030-1803	BEAM, SWING 5" OD X 134"	1
036-0788	HARDWARE PACKAGE	2
036-1414	HARDWARE PACKAGE	1
036-1428	HARDWARE PACKAGE	1
046-0291	LOCTITE	1
049-1845	FLANGED POST ASSEMBLY 5" OD X 147"	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.

BEAM, SWING 5" OD X 134": 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.

HARDWARE PACKAGE: 5/16" Shackle with a 3/8" X 1 5/32" bolt.

HARDWARE PACKAGE; HARDWARE PACKAGE: Stainless steel washers & screws and zinc plated steel lock nuts & washers.

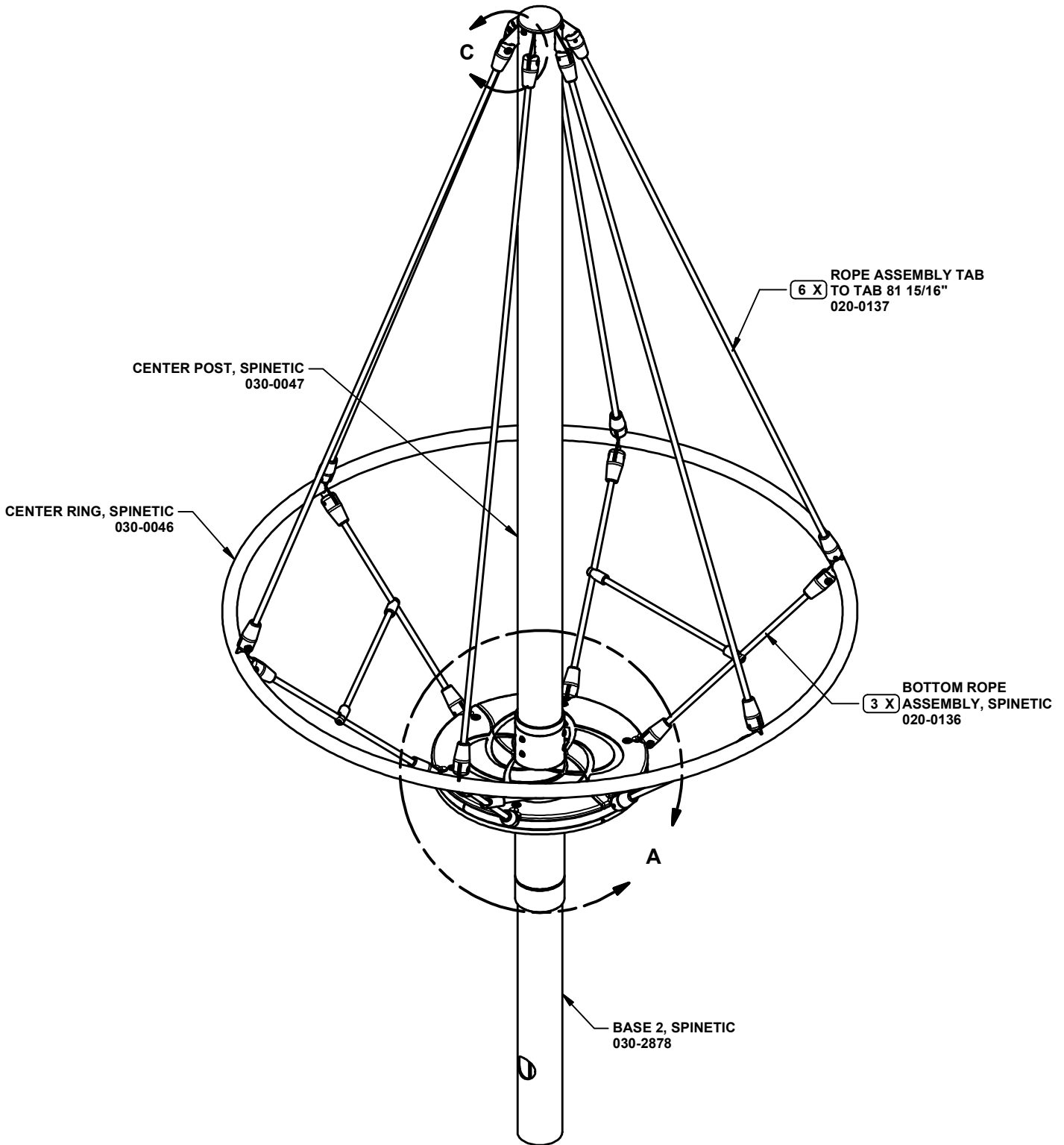
LOCTITE: Thread Locker; **CAUTION: May irritate eyes, skin and respiratory system.** Contains: polyglycol dimethacrylate, polyglycol oleate propylene glycol, titanium dioxide, and cumene hydroperoxide.

FLANGED POST ASSEMBLY 5" OD X 147": Assembly consisting of 5" OD x 11 GA galvanized steel tubing, 1/4" wall cast aluminum cap, and 1/8" x 15/32" aluminum drive rivets. Tubing and cap finished with a baked on powder coating.

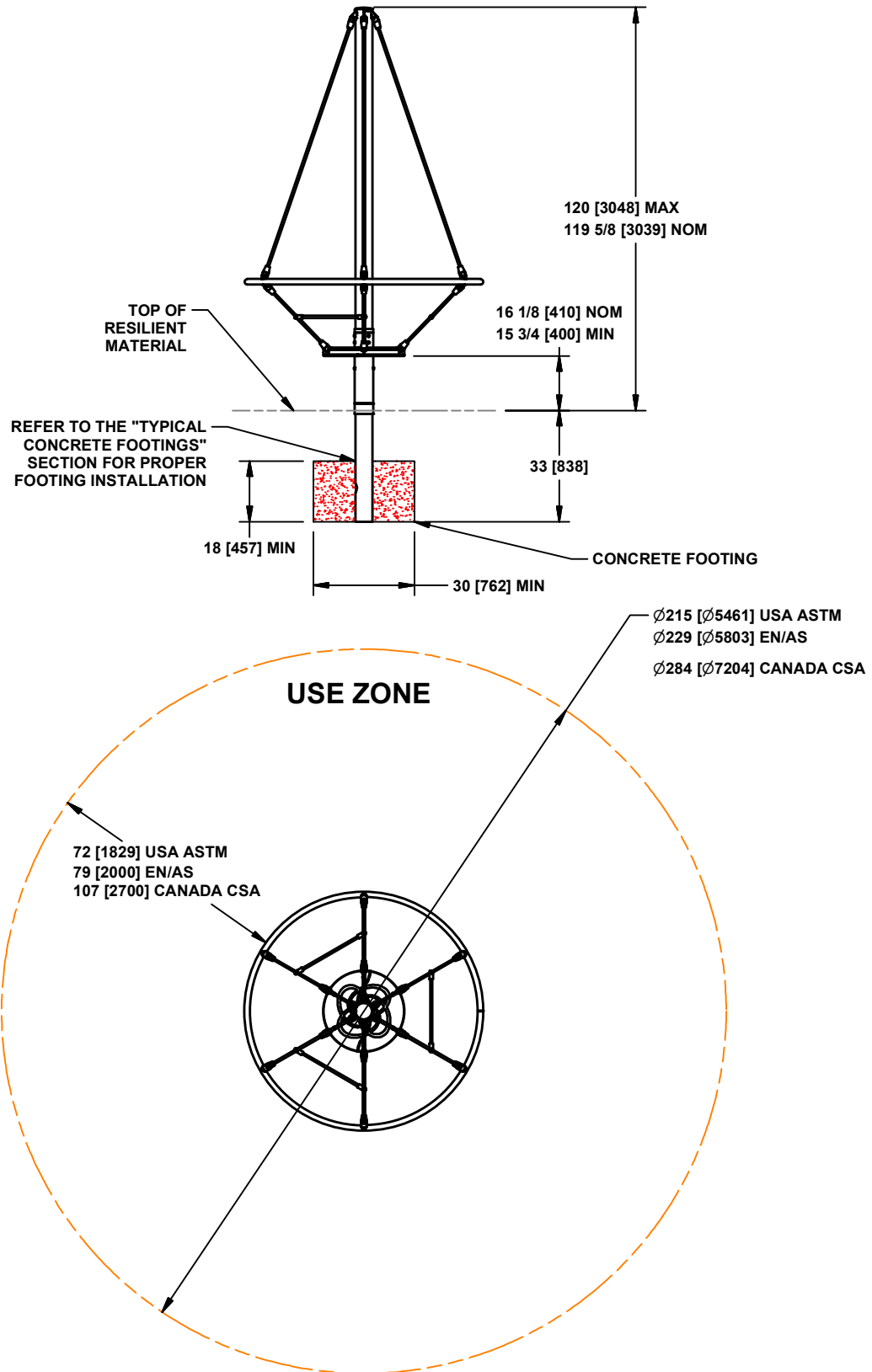
SHIPPING WEIGHT: 145 LBS.

INSTALLATION INSTRUCTIONS

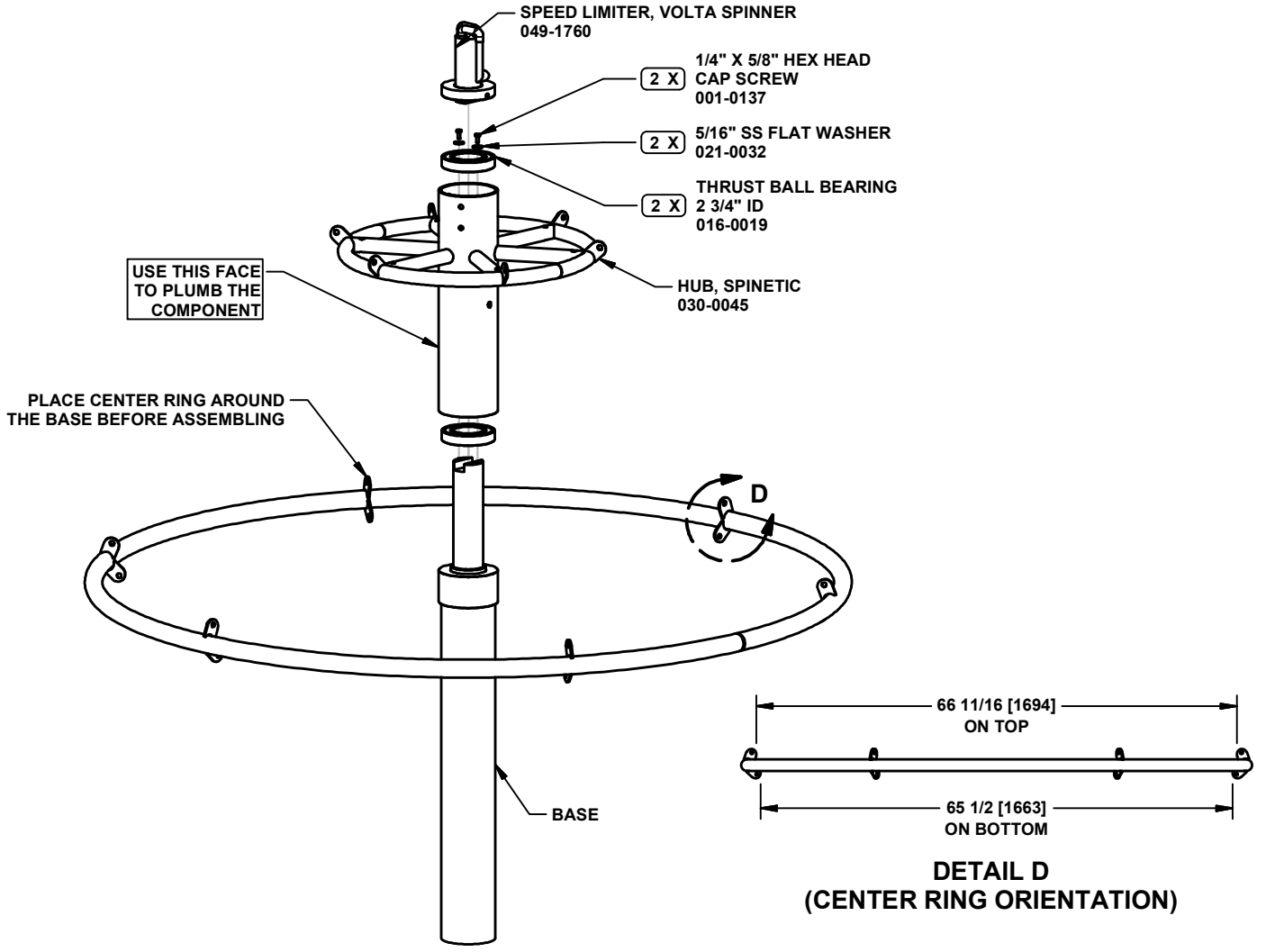
1. Determine 5" OD post locations per dimensions shown.
2. Dig footing holes. See FOOTING DETAIL.
3. Position FLANGED POST ASSEMBLY 5" OD x 147" in the footing holes at the correct depth to attain correct swing beam height, set the SWING BEAM 5" OD X 134" on the flanges on the posts and attach the SWING BEAM 5" OD X 134" to the 5" OD posts using the HALF CLAMPS, 1/2" x 1 1/4" SS carriage bolts, 1/2" SS flat washers and 1/2" SS lock nuts. Tighten hardware. See DETAIL A.
4. Block-up and plumb posts. Level beam.
5. Drill 5/16" diameter holes through pilot holes of half clamps, posts and beams. See DETAIL B.
6. Drive 5/16" x 3/4" pins flush with clamps. See DETAIL B.
7. Spray drive pin locations with touch-up paint.
8. Pour concrete and allow concrete to set for 2-3 days.
9. Insert BRONZE BEARING .377" X .75" X .75" into PENDULUMS and attach to swing beam as shown in DETAIL A.
10. Attach swing chain to pendulum using CLEVIS SHACKLE W/ BOLT. Tighten hardware. See DETAIL A.
- 11. Install resilient surfacing material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**



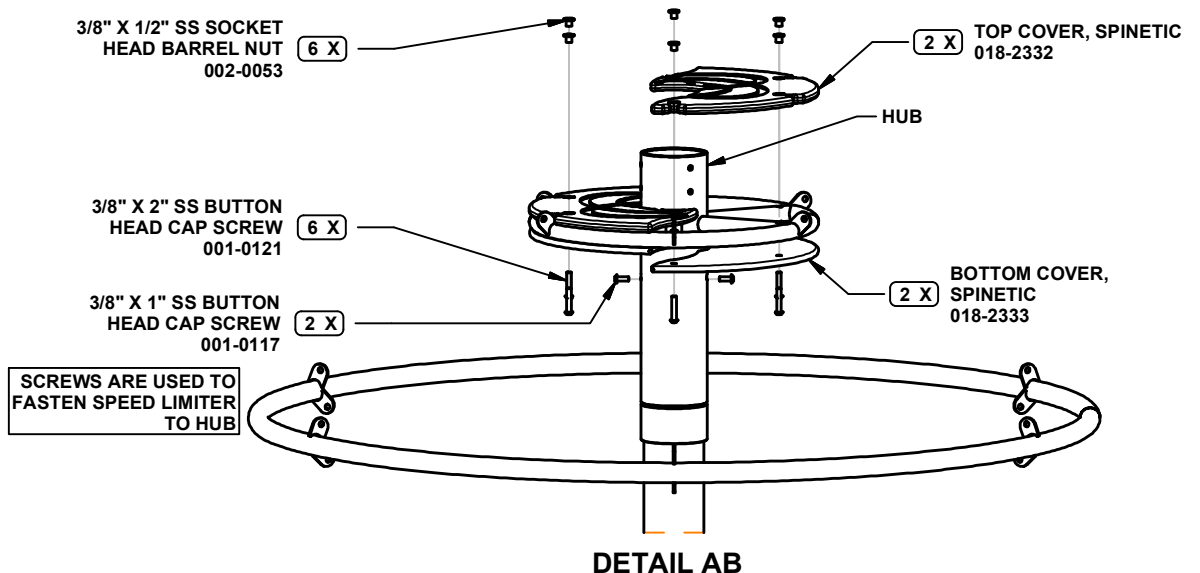
560-2610 SPINETIC W/ SPEED LIMITER



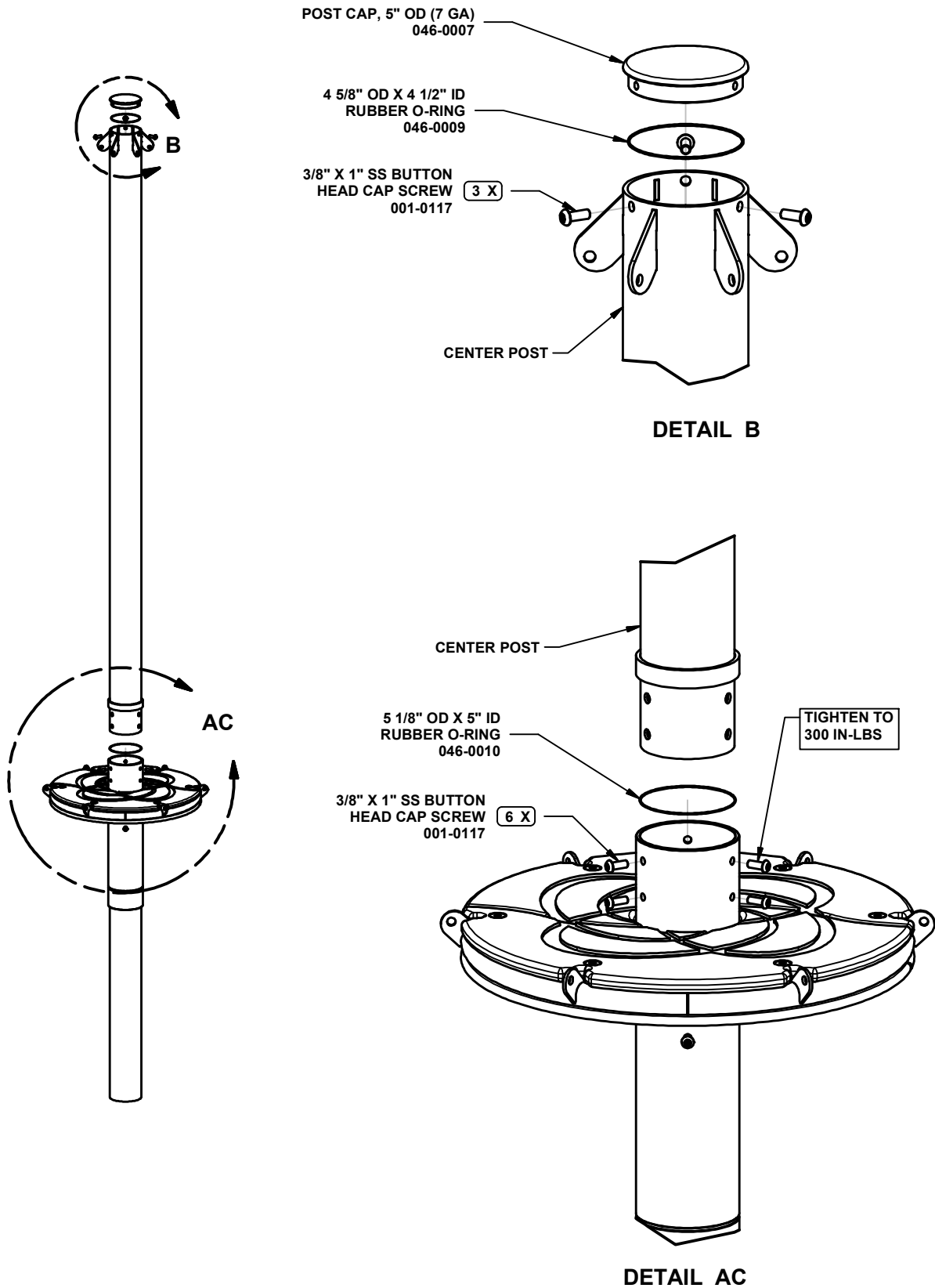
560-2610 SPINETIC W/ SPEED LIMITER



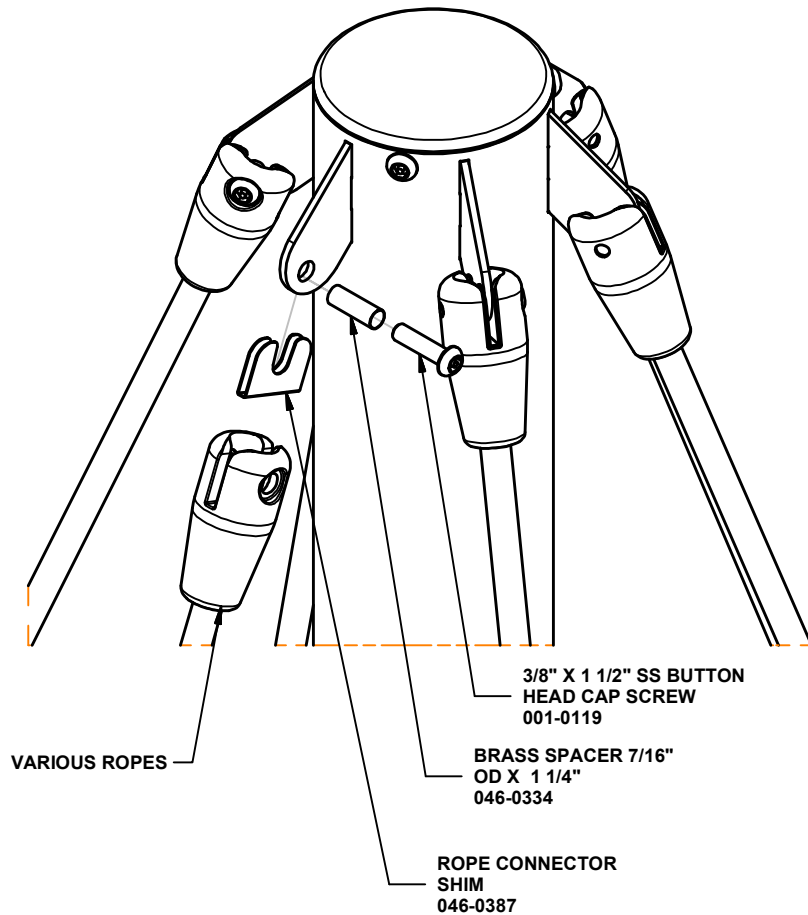
DETAIL A



560-2610 SPINETIC W/ SPEED LIMITER



560-2610 SPINETIC W/ SPEED LIMITER



**DETAIL C
(24 PLACES)**

560-2610 SPINETIC W/ SPEED LIMITER

PARTS LIST

PART NO.	DESCRIPTION	QTY
016-0019	THRUST BALL BEARING 2 3/4" ID	2
018-2332	TOP COVER, SPINETIC	2
018-2333	BOTTOM COVER, SPINETIC	2
020-0136	BOTTOM ROPE ASSEMBLY, SPINETIC	3
020-0137	ROPE ASSEMBLY TAB TO TAB 81 15/16"	6
030-0045	HUB, SPINETIC	1
030-0046	CENTER RING, SPINETIC	1
030-0047	CENTER POST, SPINETIC	1
030-2878	BASE 2, SPINETIC	1
036-0818	INTENSITY SHIM PACKAGE	6
036-1513	HARDWARE PACKAGE	1
046-0007	POST CAP, 5" OD (7 GA)	1
046-0009	4 5/8" OD X 4 1/2" ID RUBBER O-RING	1
046-0010	5 1/8" OD X 5" ID RUBBER O-RING	1
046-0334	BRASS SPACER 7/16" OD X 1 1/4"	24
049-1760	SPEED LIMITER, VOLTA SPINNER	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.

TOP COVER, SPINETIC: 3/4" Co-Extruded HDPE.

BOTTOM COVER, SPINETIC: 1/2" Extruded HDPE.

BOTTOM ROPE ASSEMBLY, SPINETIC; ROPE ASSEMBLY TAB TO TAB 81 15/16": 16mm rope consists of 6 right hand, regular lay strands, closed around a synthetic fiber core, with each preformed strand consisting of 8 galvanized steel wires tightly covered with polyester fibers. Aluminum end connectors and ferrules.

BASE 2, SPINETIC: One piece all welded construction consisting of steel shafts and 5" OD x 7 GA galvanized steel tubing. Finished with a baked on powder coating.

HUB, SPINETIC: One piece all welded construction consisting of 5.5" OD steel tubing, 1.315" OD x 12 GA galvanized steel tubing, and 8 GA galvanized steel sheeting. Finished with a baked on powder coating.

CENTER RING, SPINETIC: One piece all welded construction consisting of 1.66" OD x 12 GA galvanized steel tubing and 8 GA galvanized steel sheeting. Finished with a baked on powder coating.

CENTER POST, SPINETIC: One piece all welded construction consisting of 5" OD x 7 GA galvanized steel tubing, 5.5" OD steel tubing, 8 GA galvanized steel sheeting, and 3/8-16 weld nuts. Finished with a baked on powder coating.

INTENSITY SHIM PACKAGE: Black thermoplastic.

HARDWARE PACKAGE: Stainless Steel.

POST CAP, 5" OD (7 GA): Machined aluminum cap. Finished with a baked on powder coating.

4 5/8" OD X 4 1/2" ID RUBBER O-RING; 5 1/8" OD X 5" ID RUBBER O-RING: 70A BUNA-N RUBBER O-RING WITH A ROUND CROSS SECTION

BRASS SPACER 7/16" OD X 1 1/4": Brass Tube 7/16" OD X .028" Wall

SPEED LIMITER, VOLTA SPINNER: Assembly consisting of a high torque low speed hydraulic motor with flow control valving, a stainless steel motor coupling, a steel bracket, stainless steel set screws, zinc plated steel hardware, steel hydraulic fittings and hose ends.

SHIPPING WEIGHT: 281 LBS.

INSTALLATION INSTRUCTIONS

1. Determine the correct footing location from site plan and dig per dimensions shown and the TYPICAL CONCRETE FOOTINGS section located in the preface of your installation manual.
2. Place BASE 2, SPINETIC into the footing hole.
3. Before assembling, place CENTER RING, SPINETIC around the spinetic base as shown in DETAIL A. NOTE: Tabs on center ring are angled differently on top and bottom. See DETAIL D.
4. Apply a liberal amount of grease to the inside of the HUB, SPINETIC and the shaft on the base.
5. Tap the bottom THRUST BALL BEARING 2 3/4" onto the base shaft and the top thrust bearing into the hub using a block of wood and a hammer. Then slide the hub and the top bearing onto the shaft. Make sure both bearing are completely seated. Secure using hardware specified in DETAIL A.
6. Position SPEED LIMITER, VOLTA SPINNER in hub. The block on the speed limiter must sit in the channel of the shaft. Secure using hardware specified in DETAIL AB.
7. Fasten the TOP COVER, SPINETIC and BOTTOM COVER, SPINETIC to the hub frame using hardware specified in DETAIL AB.
8. Plumb Spinetic hub as specified in DETAIL A. Block-up before continuing assembly.
9. Roll 5 1/8" OD X 5" ID RUBBER O-RING onto CENTER POST, SPINETIC until it is against the collar. Sleeve the center post into the hub and fasten using hardware specified in DETAIL AC. **Only tighten the screws specified in DETAIL AD to 300 IN-LBS.**
10. Roll 4 5/8" OD X 4 1/2" ID RUBBER O-RING onto POST CAP, 5" OD (7 GA). Place cap on top of center post and secure using hardware specified in DETAIL B.
11. Connect ROPE ASSEMBLY TAB TO TAB 81 15/16" to center post and top tabs of center ring using hardware specified in DETAIL C.
12. Connect BOTTOM ROPE ASSEMBLY, SPINETIC to bottom tabs of center ring and hub using hardware specified in DETAIL C.
13. Check component for plumbness and adjust if necessary.
14. Pour concrete footing and allow concrete to set 2 to 3 days.
15. **Install resilient material in accordance to installation guidelines, ASTM standards, and CPSC guidelines.**



7/28/2011

3/8" X 1/2" SS SOCKET
HEAD BARREL NUT
002-0053 (8)

TIGHTEN STEP HARDWARE
SO THAT BARREL NUT IS
SEATED FLUSH WITH STEP

STEP PLATE
007-1095 (2)

5/16" SS FLAT WASHER
021-0032 (8)

3/8" X 1/2" SS BUTTON
HEAD CAP SCREW
001-0143 (8)

3/8" X 1" HEX HEAD
CAP SCREW
001-0058 (12)

5/16" SS FLAT WASHER
021-0032 (12)

1/2" X 1 1/4" HEX HEAD
CAP SCREW
001-0168 (4)

1/2" FLAT WASHER
021-0034 (4)

ROCKER BASE
030-2090

STANDING ROCKER BEAM
030-2083

TORSION ROD 75 - BLACK
046-0462 (4)

TORSION BOX COVER
030-2093

5/16" SS FLAT WASHER
021-0032 (12)

3/8" LOCK NUT
002-0012 (12)

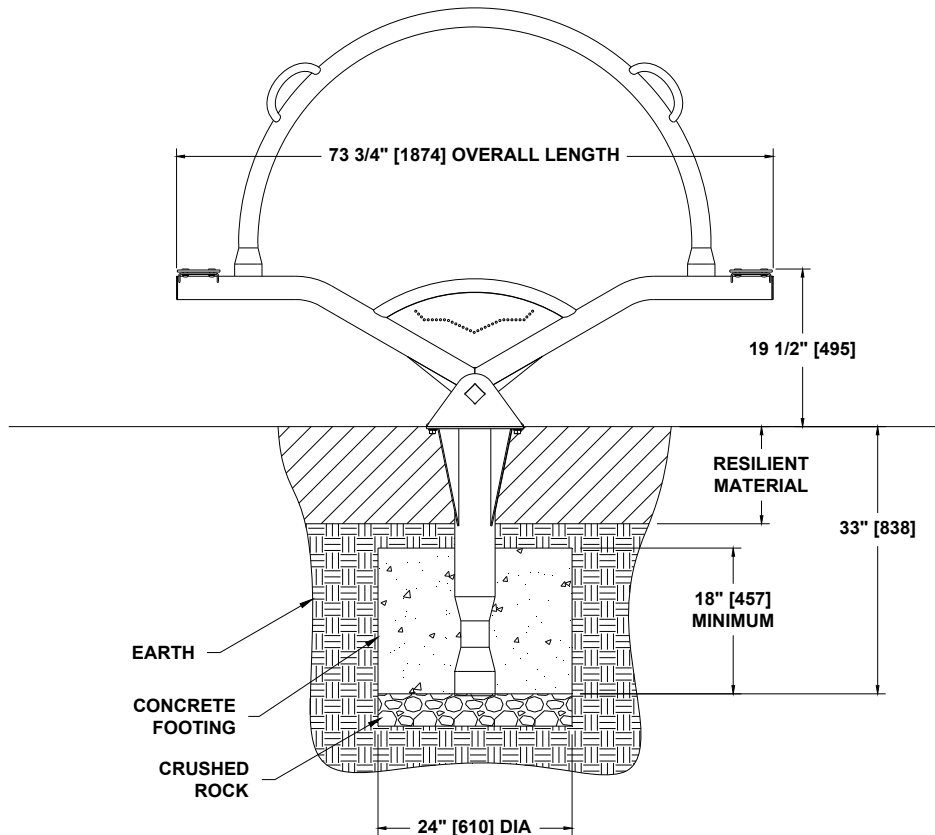
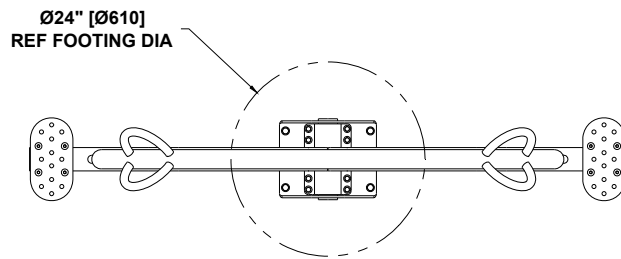
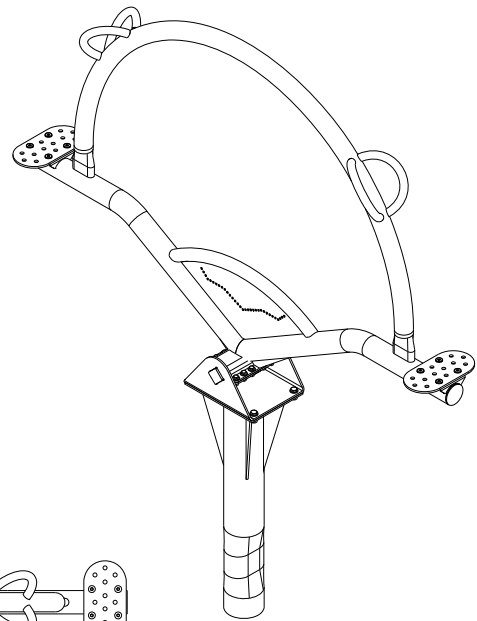
1/2" FLAT WASHER
021-0034 (4)

1/2" LOCK NUT
002-0004 (4)

ROCKER ANCHOR POST
030-2119

**NOTE:
MAKE SURE TORSION RODS
AND ROCKER BEAM ARE
CENTERED IN ROCKER BASE**

570-0054 STANDING ROCKER



FOOTING DETAIL

570-0054 STANDING ROCKER

PARTS LIST

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
007-1095	STEP PLATE	2
030-2083	STANDING ROCKER BEAM	1
030-2090	ROCKER BASE	1
030-2093	TORSION BOX COVER	1
030-2119	ROCKER ANCHOR POST	1
036-0790	HARDWARE PACK	3
036-0827	HARDWARE PACKAGE	1
036-1008	HARDWARE PACKAGE	2
046-0462	TORSION ROD 75 - BLACK	4

Note: Hardware package(s) may include extra hardware that is not necessary for this installation.

SPECIFICATIONS

STEP PLATE: 1/4" plate coated with PVC.

STANDING ROCKER BEAM: One piece all welded construction consisting of 2 formed tubes and arched tube, 2 7/8" OD x 8 gage, 1/4" formed plates and 2 handles consisting of 1.029" OD x 14 gage galvanized tubing. Finished with baked on powder coat.

ROCKER BASE: One piece all welded construction consisting of formed 1/4" plate and 1 3/4" square barstock. Finished with baked on powder coat.

TORSION BOX COVER: 1/4" formed plate and 1/4" plate gussets. Finished with baked on powder coat.

ROCKER ANCHOR POST: One piece all welded construction consisting of 1/4" plate, 5" OD x 11 ga tube and 1/4" plate gussets. Finished with baked on powder coat.

HARDWARE PACK: Zinc plated steel.

HARDWARE PACKAGE: Stainless steel and zinc coated hardware.

HARDWARE PACKAGE: Stainless steel button head cap screws, washers, and barrel nuts.

TORSION ROD 75 - BLACK: Urethane 75 A durometer.

SHIPPING WEIGHT: 152 LBS.

INSTALLATION INSTRUCTIONS

1. Set the ROCKER BASE on a flat surface.
2. Place two TORSION ROD 75 BLACK into the formed plate welded to the bottom of the STANDING ROCKER BEAM, and while holding the torsion rods in place, set the standing rocker beam onto the ROCKER BASE.
3. Place two torsion rods into the TORSION BOX COVER. Place it in the rocker base under the cross bar, and bring it up to the cross bar, attaching it to the standing rocker beam with 3/8" x 1" hex head cap screws, 5/16" flat washers and 3/8" lock nuts. Make sure the torsion rods and standing rocker beam are centered on the rocker base. Tighten hardware.
4. Attach ROCKER BASE to ROCKER ANCHOR POST with 1/2" x 1 1/4" hex head screws, 1/2" flat washers and 1/2" lock nuts. Tighten hardware.
5. Attach STEP PLATE to standing rocker beam with 3/8" x 1/2" SS button head cap screws, 5/16" SS washers and 3/8" x 1/2" SS socket head barrel nuts. Repeat for second step plate. Make sure to tighten hardware enough so that the barrel nuts are seated and flush with the top of the step plate.
6. Determine footing location for STANDING ROCKER to be installed and dig footing hole according to diagram.
7. Place assembled rocker into footing hole and frame up to hold in place while concrete sets. Make sure see saw is level and at the correct height and orientation while concrete sets. See FOOTING DETAIL.
8. Pour concrete footing.
9. **Install resilient material in accordance to installation guidelines, ASTM standards and CPSC guidelines.**

