

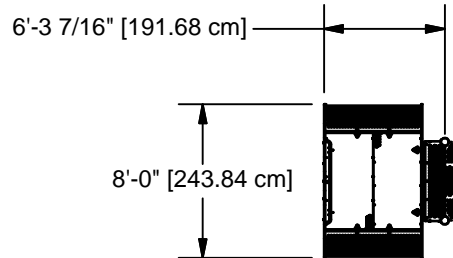
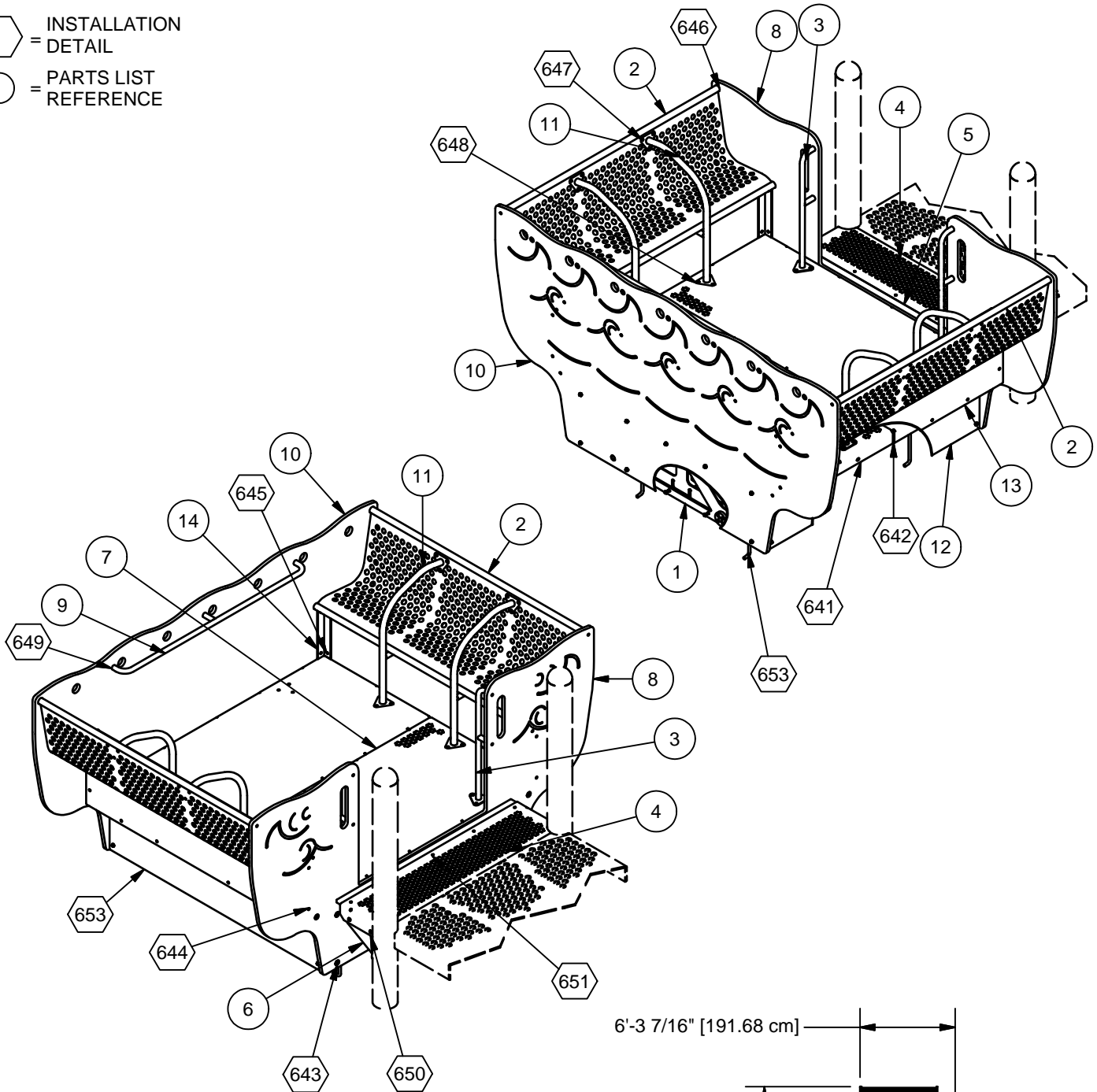


**16464**  
**ROCK N RAFT**

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE



**TOP VIEW**

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	BASE ASSEMBLY	1	201724
2	SEAT	2	201755
3	HANDHOLD	2	201815
4	DECK EXTENSION	1	201739
5	FILLER PLATE	1	201735
6	DECK EXTENSION SUPPORT	2	201764
7	DECK	2	201806
8	ENTRY PANEL	1	201726
9	BRACE	1	201819
10	BACK PANEL	1	201727
11	SEAT HAND HOLD	4	201757
12	LOWER END PANEL	2	201711
13	UPPER END PANEL	2	201728
14	ANGLE BRACKET	4	201759
	HARDWARE COMPLETE	1	201830
	3/8" FLAT WASHER	85	817410*
	3/8" LOCK WASHER	145	817334*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	19	812053*
	3/8" T-NUT	68	804556*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	26	812051*
	CLIP-ON NUT	38	804705*
	3/8" FLAT WASHER (1 1/4" O.D.)	26	817424*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	52	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	6	812050*
	3/8" x 1 1/2" P.B.H.C.S.	4	810053*
	5/16" FLAT WASHER (5/8" O.D.)	10	817406*
	5/16" LOCK WASHER	5	817330*
	5/16" HEX NUT	5	804052*
	5/16" x 1 1/4" B.H.C.S.	5	811044*
	3/8" ACORN NUT	12	804002*
	1/2" ANCHOR BOLT	7	800000*
	1/2" FLAT WASHER	7	817412*
	1/2" HEX NUT	14	804055*
	1/2" LOCKWASHER	7	817342*
	3/8" HEX NUT	4	804053*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	38	812054*

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.**

## INSTALLATION INSTRUCTIONS

**NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN CUSTOMERS 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:** Pour concrete slab as shown in Elevation Views. Height of slab is dependent upon required deck height. Refer to overall Top View of Unit to determine adjacent deck height. **NOTE: CONCRETE SLAB MUST BE LEVEL.**

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

**STEP 2:** Referring to J-bolt placement views: Use supplied metal template to locate the correct placement of J-bolts in concrete. Note: Uprights for deck must be in place to use template to correctly space J-bolts away from the deck. A minimum of 1" thread must be protruding above template. After concrete has set enough to hold J-bolts remove template and discard. Allow concrete slab to cure 72 hours before continuing.

**STEP 3:** Place Base Assembly over J-bolts and attach using Detail 653.

**STEP 4:** Place Decks on top of Base Assembly. **NOTE:** Decks must be rotated so the three mounting holes for the handhold are to the outside. Attach Deck to the Base Assembly using Detail 642. Attach Deck ends to each other using Detail 642.

**STEP 5:** Attach Bottom End of Seat Supports to the Deck using Detail 648.

**STEP 6:** Using a hammer place all Clip-On nuts onto holes in Base Assembly. Refer to Detail 643.

**STEP 7:** Attach Back Panel to the back side of the Base Assembly. See Detail 643. Attach Back Panel to the Deck. See Detail 644.

**STEP 8:** Attach Seats to the Back Panel and prepositioned Seat Supports using Detail 646 and 647. Note: Seats will fit into grooves cut into Back Panel.

**STEP 9:** Attach Entry Panel to the front of the Base Assembly and Seats. Note: Attachment of the Entry Panel is the same as the Back Panel.

**STEP 10:** Attach Handholds to the Entry Panel and Deck using Details 649 and 648.

**STEP 11:** Attach Brace to the Back Panel using Detail 649.

**STEP 12:** Attach Upper End Panels to the Back and Entry Panels using Detail 645. Attach them to the Seat Braces using Detail 649. Attach them to the Deck Ends using Detail 654.

**STEP 13:** Attach Lower End Panels to the Base Assembly using Detail 643.

**STEP 14:** Attach Deck Extension and Deck Extension Supports to the deck. See Detail 650.

**STEP 15:** Attach Filler Panel into the slot in Deck Extension as shown in Detail 651. Allow 1/4" gap between Filler and Entry Panel as shown in Plan View on Page 6.

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

**NOTE:** For best result, allow 7 days for concrete to cure before use.

ALL FRAMING MATERIALS  
FOR CONCRETE SLAB  
SUPPLIED BY OTHERS

CONCRETE: MINIMUM 3,000  
PSI. ALLOW 72 HOURS TO  
CURE BEFORE MOUNTING  
BASE ASSEMBLY. FOR  
BEST RESULTS ALLOW  
CONCRETE 7 DAYS TO  
CURE BEFORE USE.

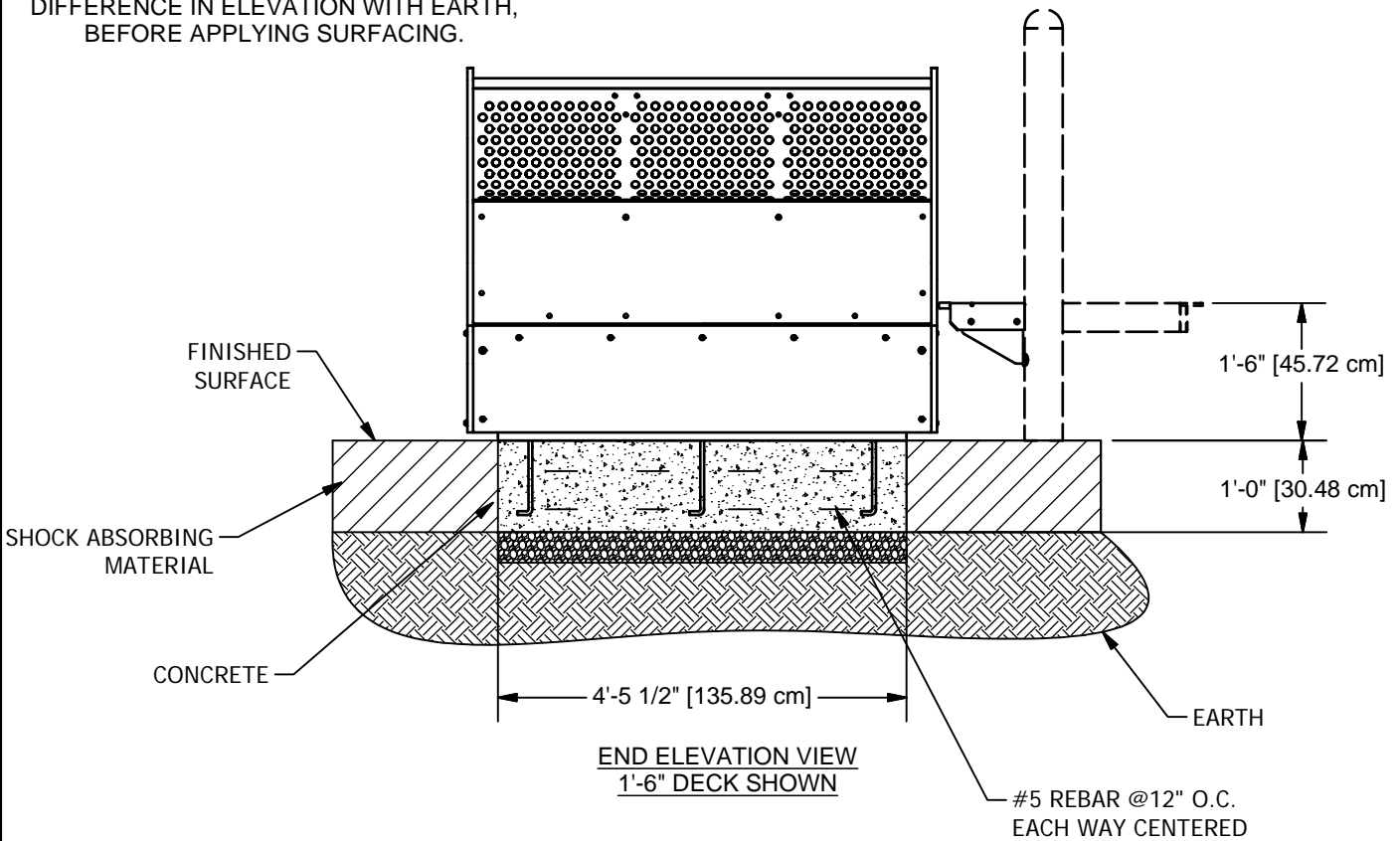
2'-11" [88.90 cm] x  
4'-5 1/2" [135.89 cm]  
REINFORCED CONCRETE  
FOOTING

2'-11" [88.94 cm]

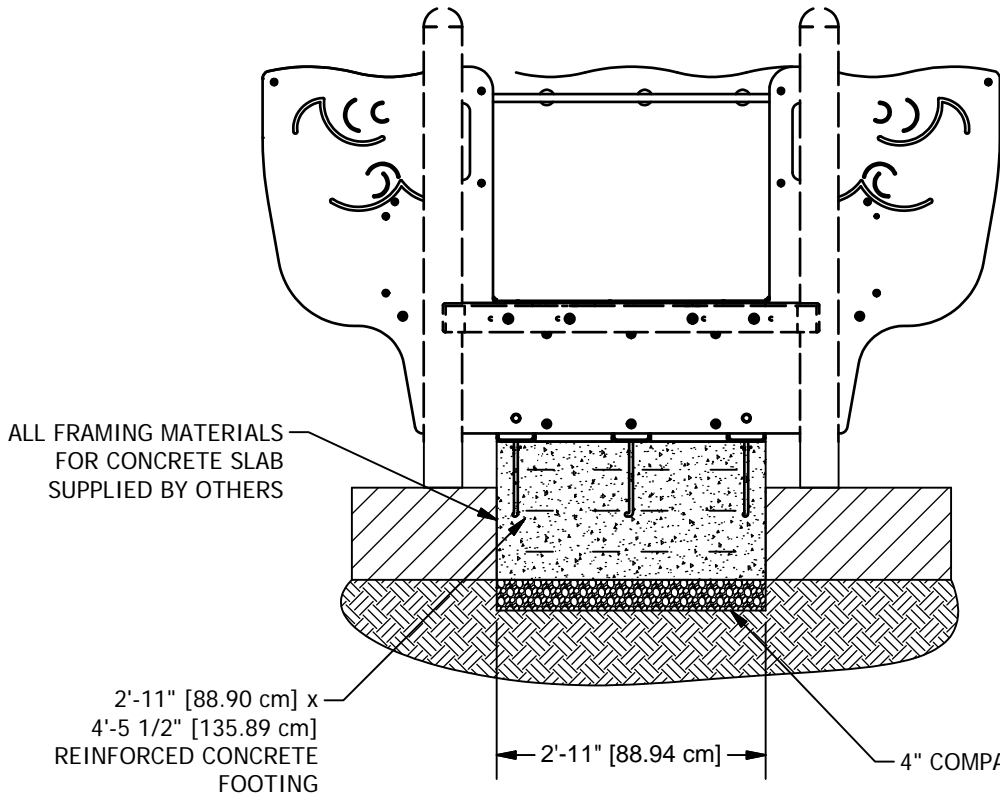
4" COMPACTED GRAVEL

FRONT ELEVATION VIEW  
1'-6" DECK SHOWN

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



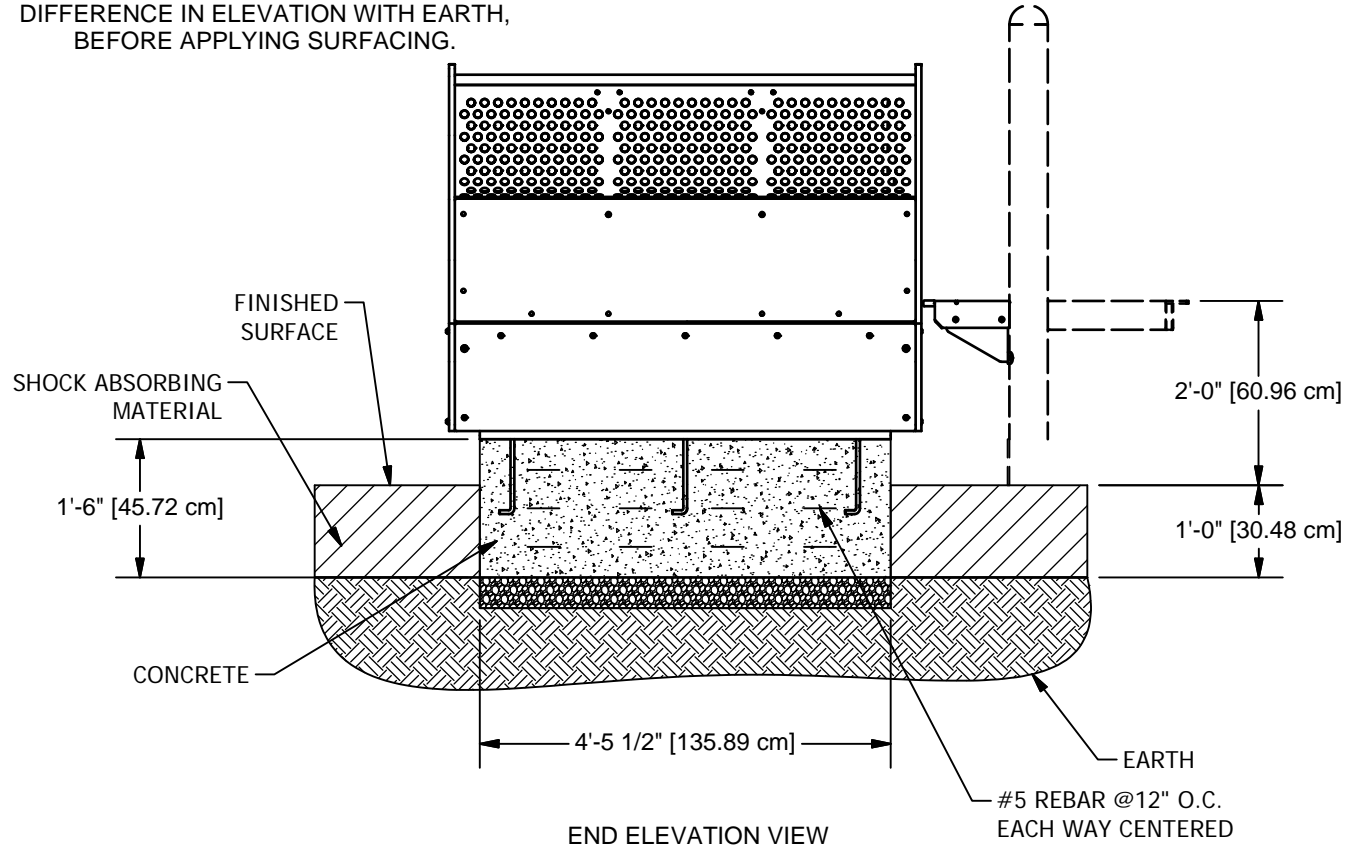
END ELEVATION VIEW  
1'-6" DECK SHOWN



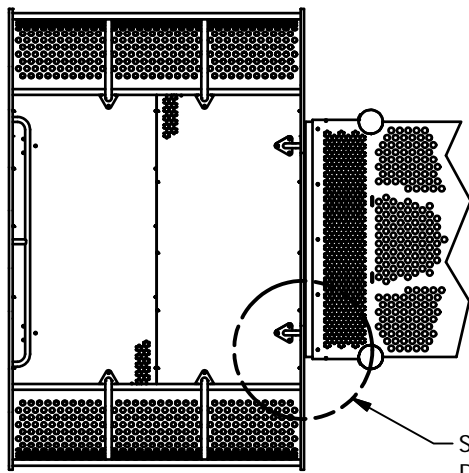
CONCRETE: MINIMUM 3,000 PSI. ALLOW 72 HOURS TO CURE BEFORE MOUNTING BASE ASSEMBLY. FOR BEST RESULTS ALLOW CONCRETE 7 DAYS TO CURE BEFORE USE.

FRONT ELEVATION VIEW  
2'-0" DECK SHOWN

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

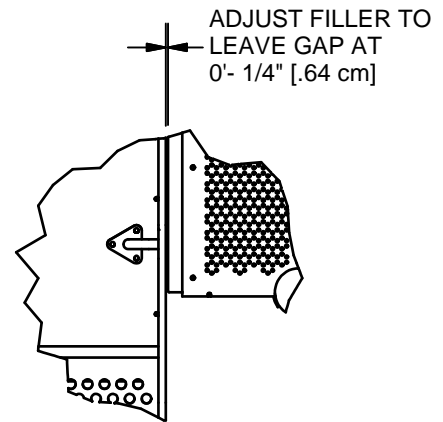


END ELEVATION VIEW  
2'-0" DECK SHOWN

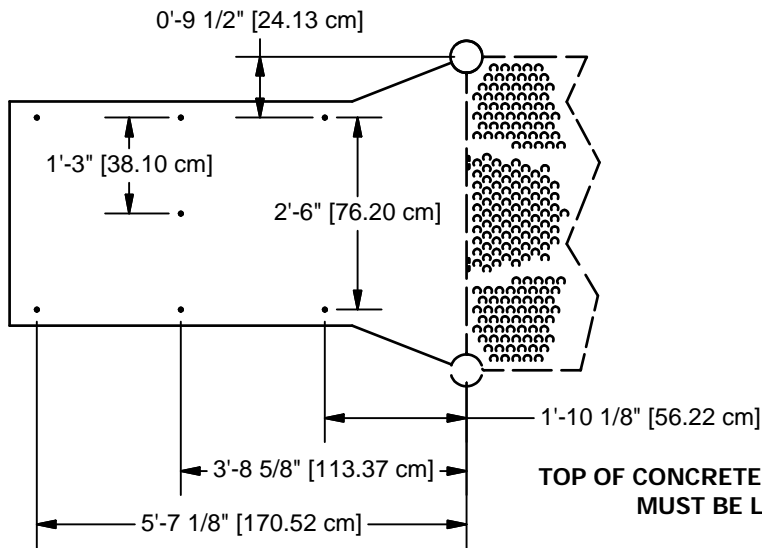


SEE FILLER GAP  
DETAIL

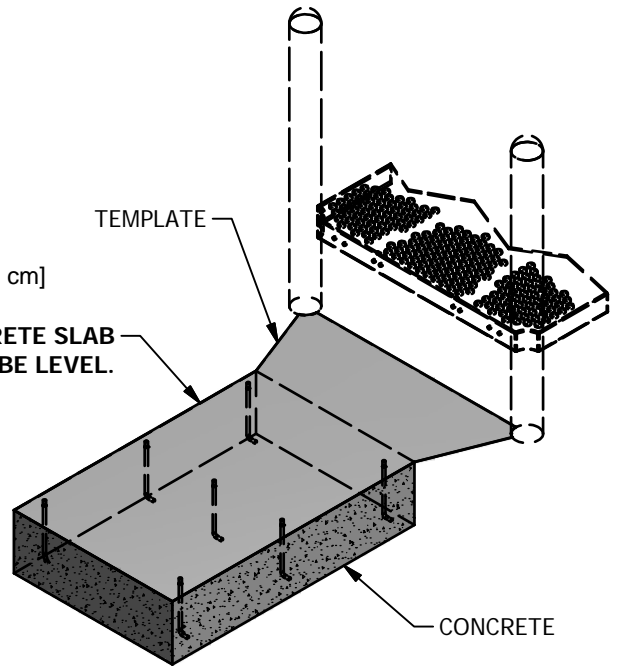
PLAN VIEW



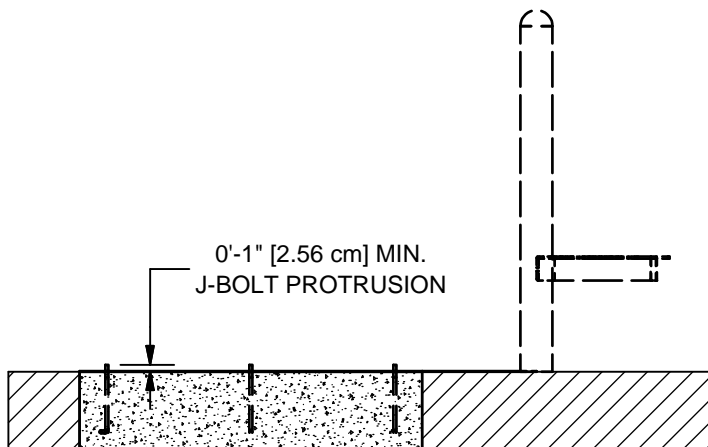
ADJUST FILLER TO  
LEAVE GAP AT  
0'- 1/4" [.64 cm]



TOP OF CONCRETE SLAB  
MUST BE LEVEL.



USE PROVIDED TEMPLATE  
TO LOCATE J-BOLT PLACEMENT  
IN CONCRETE. EXTRA 1/2" HEX NUTS  
ARE PROVIDED FOR HOLDING J-BOLTS  
IN TEMPLTE. REMOVE TEMPLTE  
BEFORE INSTALLING BASE ASSEMBLY.



0'-1" [2.56 cm] MIN.  
J-BOLT PROTRUSION

J BOLT PLACEMENT VIEWS

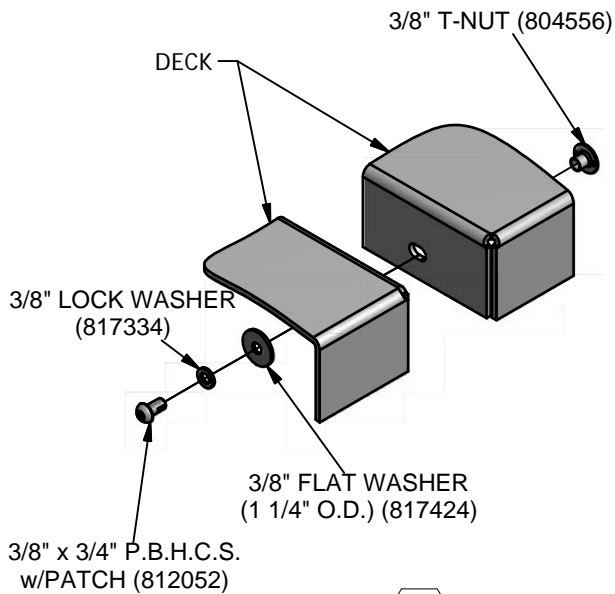
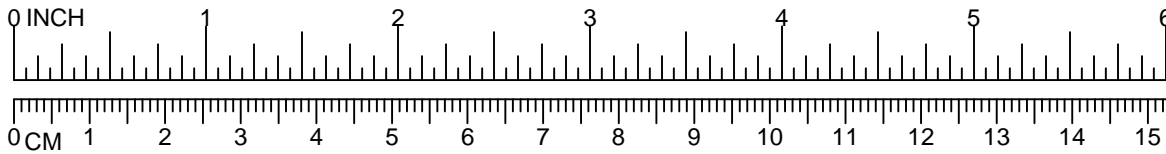
# DETAILS -for- 16464

**IMPORTANT**

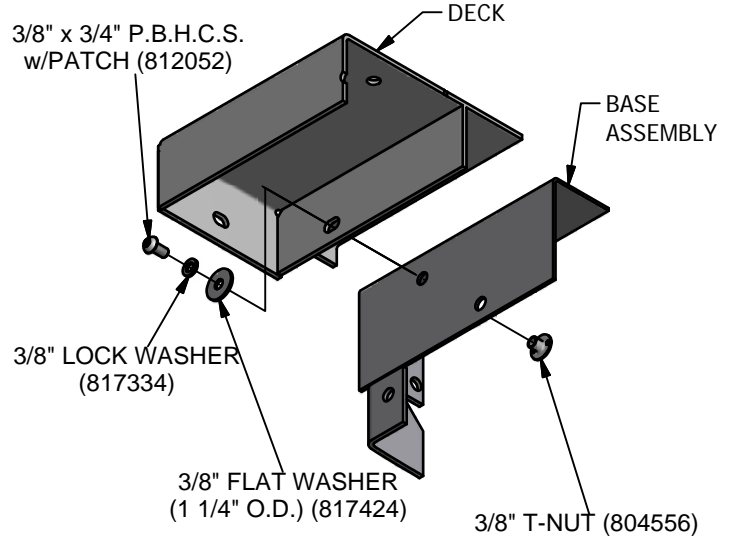
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

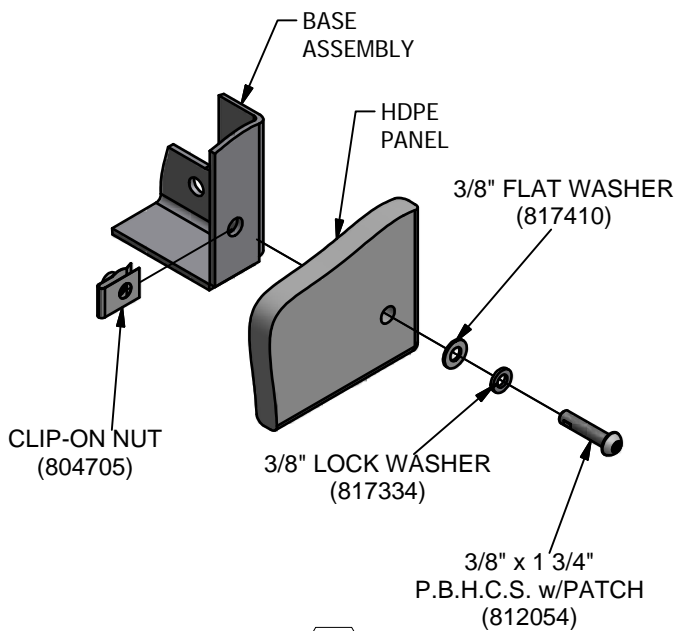
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



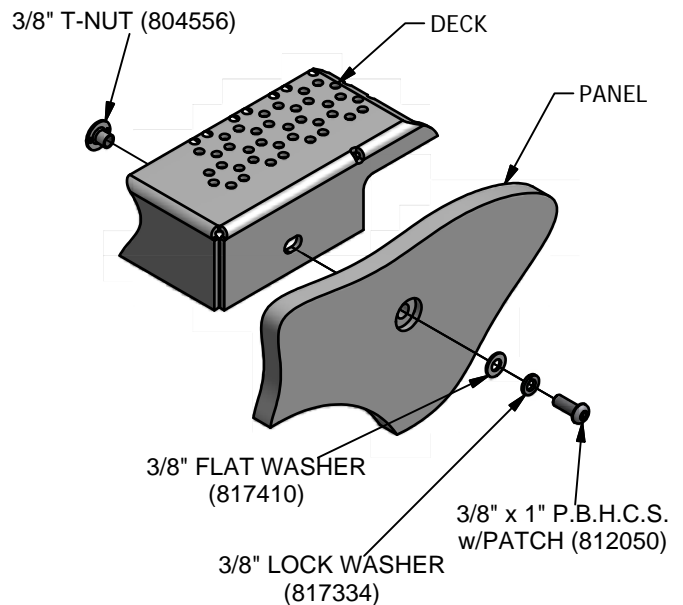
641



642



643



644

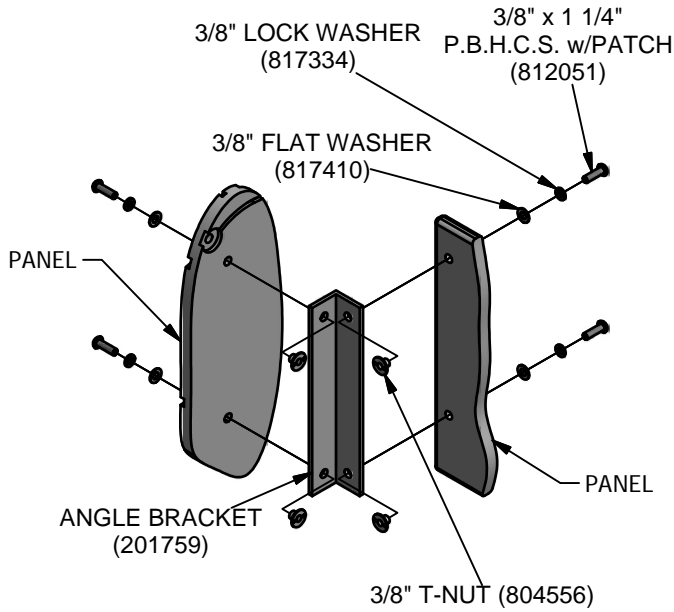
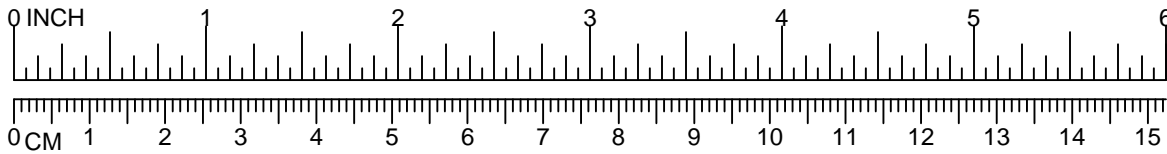
# DETAILS -for- 16464

IMPORTANT

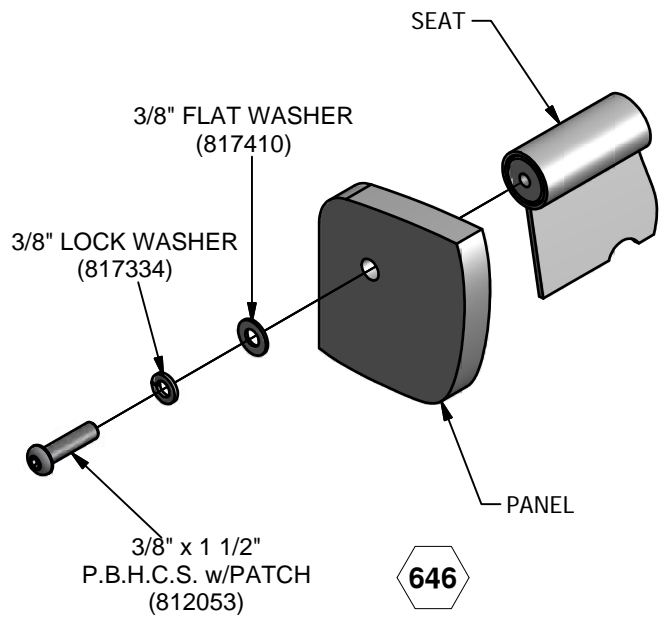
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

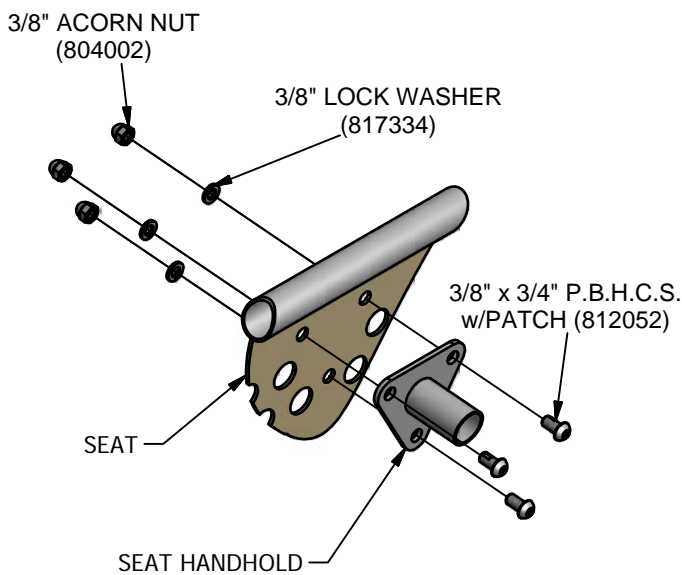
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



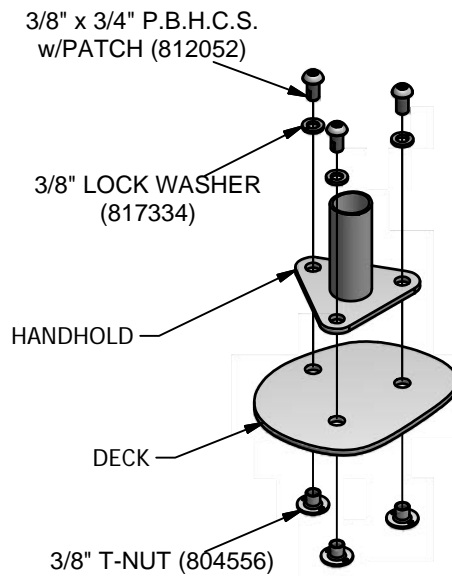
645



646



647



648



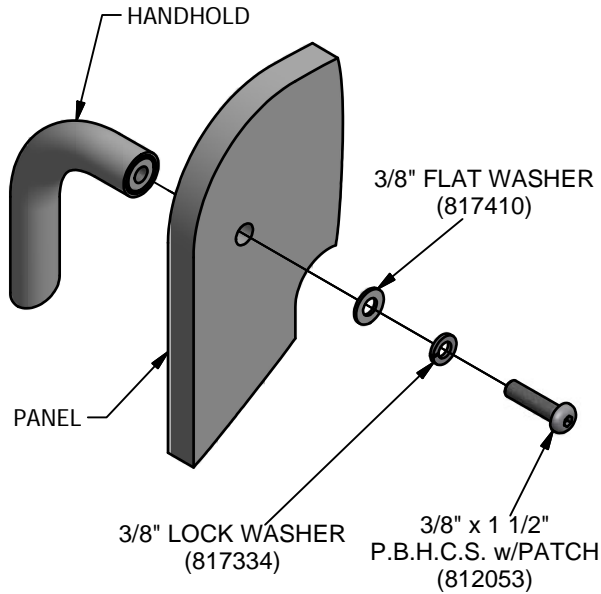
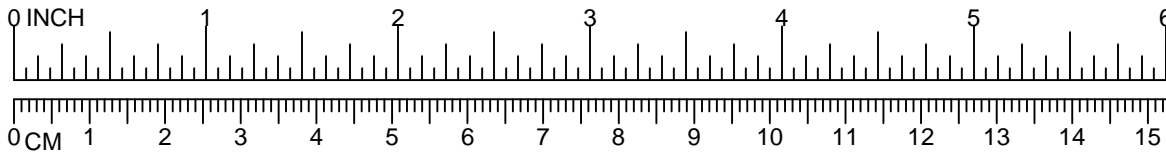
# DETAILS -for- 16464

IMPORTANT

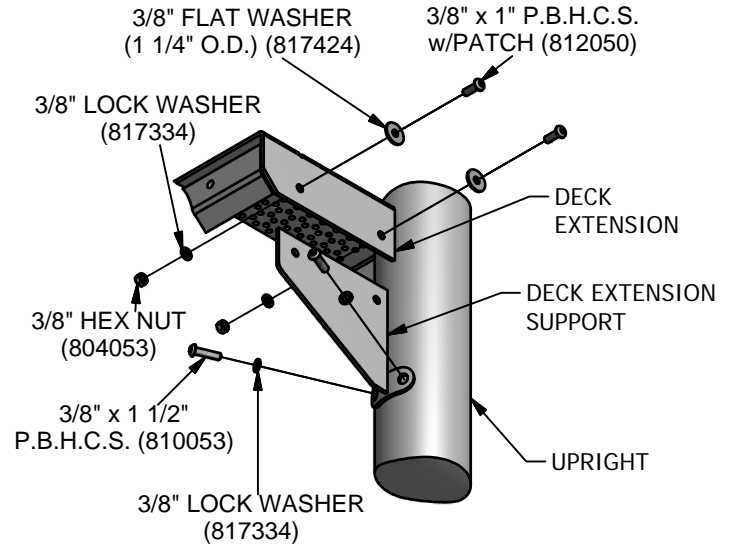
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

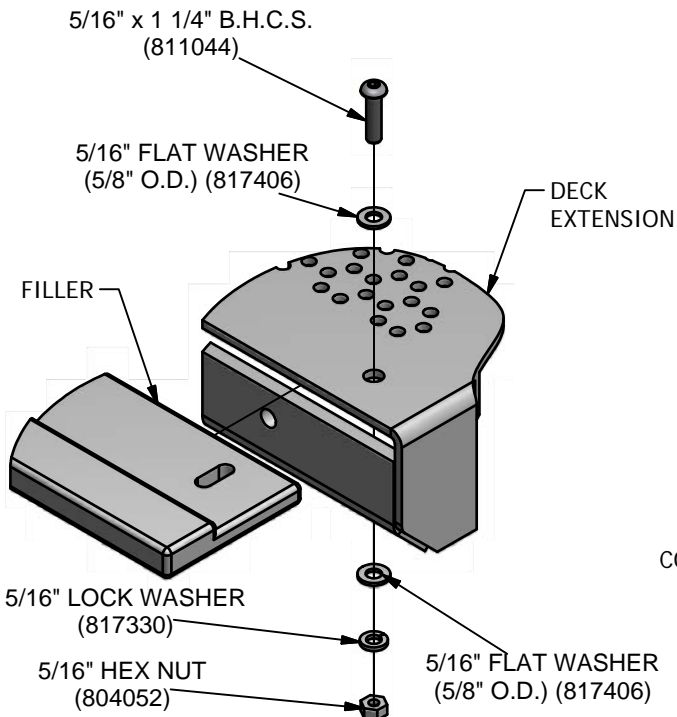
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



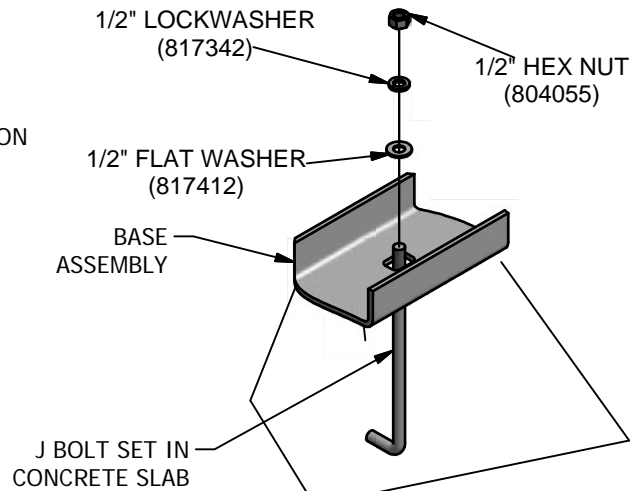
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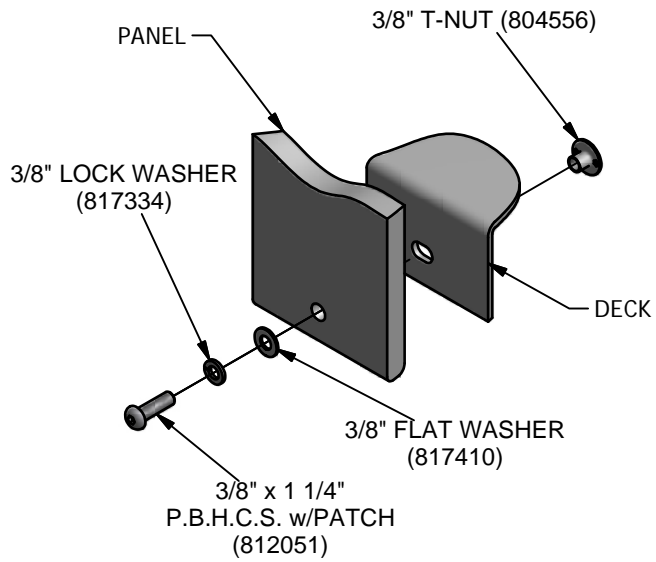
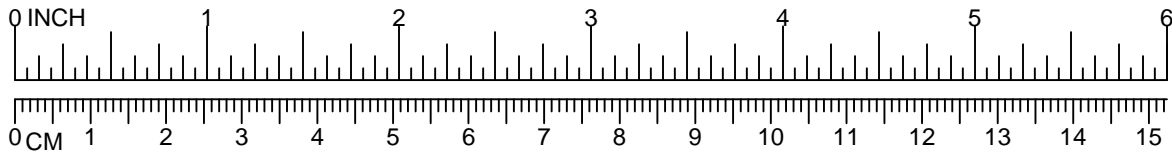
# DETAILS -for- 16464

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.



654





Enriching Childhood Through Play™

**1-800-235-2440**

**ADA DECKS**

**ISSUED/REVISED: 3/24/10**

-  = INSTALLATION  
DETAIL
-  = PARTS LIST  
REFERENCE

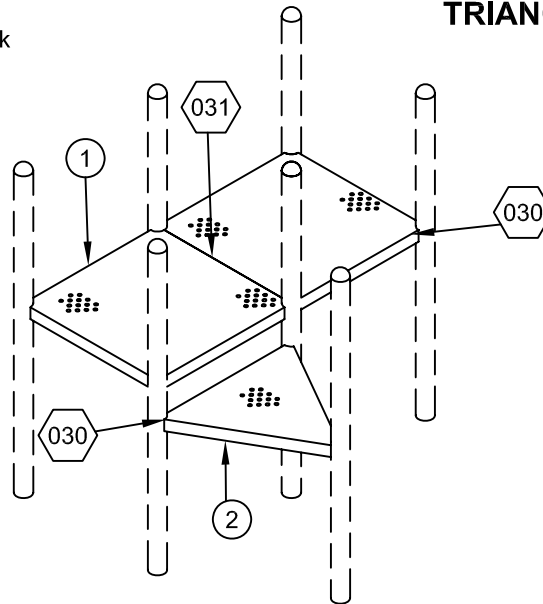
Note: The Uprights Shown  
Are Not Included In The Deck  
Packages. See Overall Plan  
View For Uprights.

**SQUARE 16700**  
**TRIANGLE 16701**

**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.



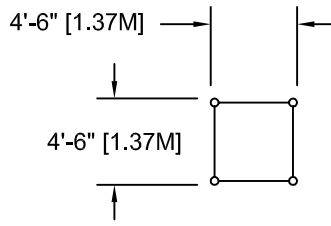
**ASSEMBLY DRAWING**

**PARTS LIST**

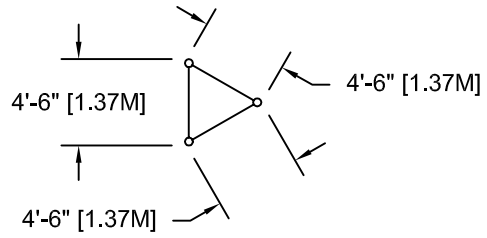
REF NO.	DESCRIPTION			PART NUMBER
		16700	16701	
1	ADA Deck, Square	1	0	163310
2	ADA Deck, Triangle	0	1	163323
	Hardware Complete	1	0	161254
	Hardware Complete	0	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	2	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	8	6	810053*
	3/8" Tee-Nut	2	2	804556*
	3/8" Lockwasher	10	8	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.**

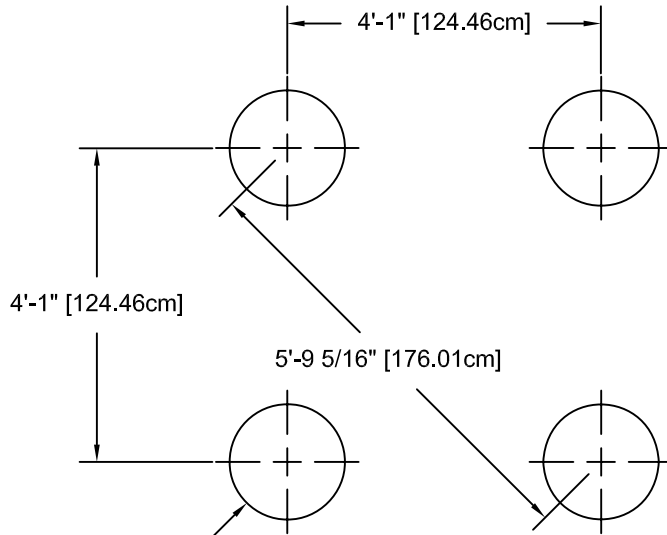


**16700**



**16701**

**TOP VIEWS**

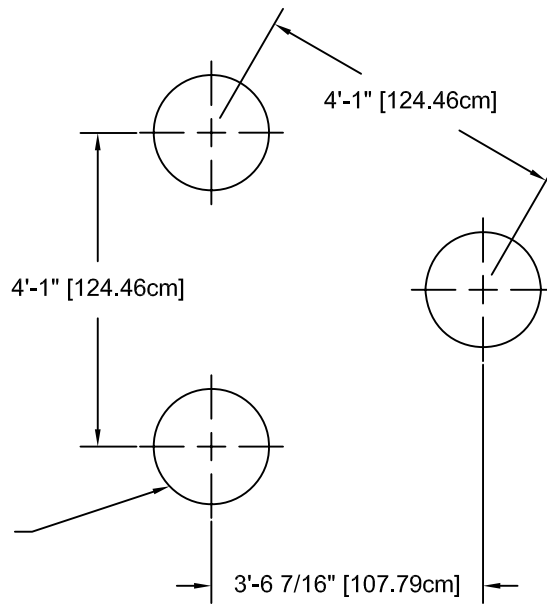


1'-6" [45.72 cm] DIA. x  
2'-6" [76.20 cm] DEEP  
(QTY. AS REQUIRED)  
SEE DETAIL 032

**16700**

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

**16701**

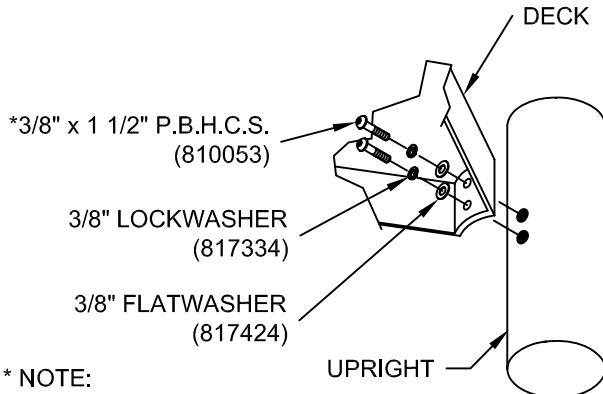
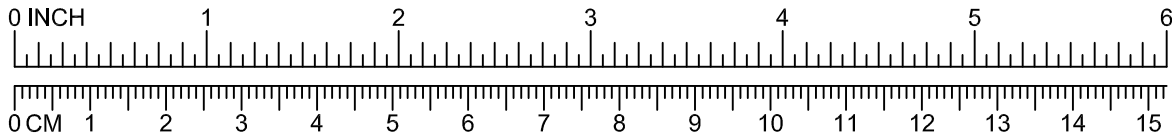
**GROUND PLANS**

# DETAILS -for- 16700 & 16701

**IMPORTANT**

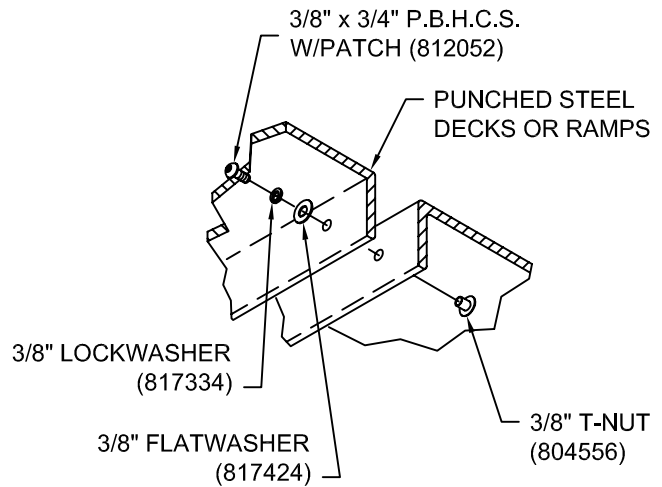
To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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



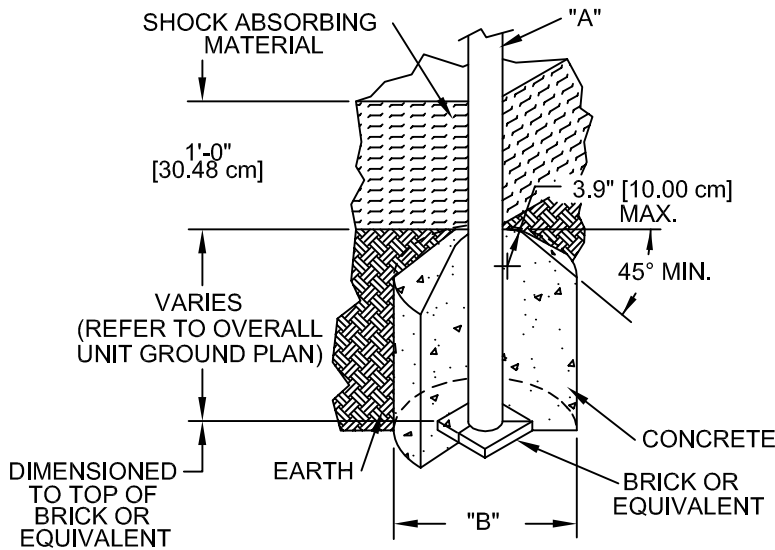
\* NOTE:  
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

\* 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.

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 2/2/15

# 16712 RAMP ATTACHMENT

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

<b>BARRIER</b>	<b>16712</b>
<b>1' GUARDRAIL</b>	<b>90673</b>
<b>1'-6" &amp; 2' GUARDRAIL</b>	<b>90678</b>
<b>2'-6" &amp; 3' GUARDRAIL</b>	<b>90679</b>
<b>3'-6" &amp; 4' GUARDRAIL</b>	<b>90680</b>

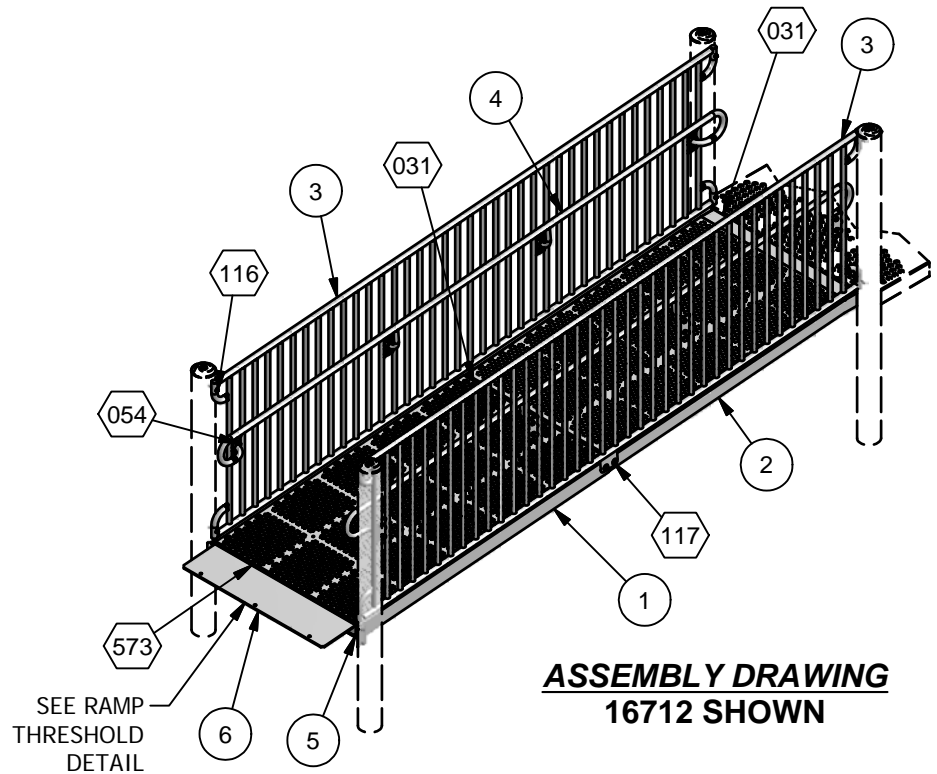


16712  
1'-0" THRU 4'-0"  
90673  
90678  
90679  
1'-0" THRU 2'-6"



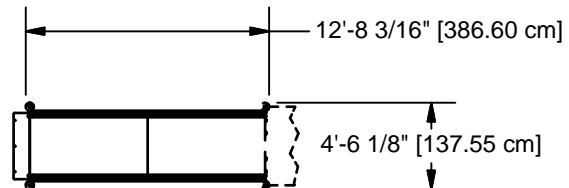
16712  
1'-0" THRU 4'-0"  
90673  
90678  
90679  
90680  
1'-0" THRU 4'-0"

**NOTE: USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75°(8.3% SLOPE) TO MEET ADA GUIDELINES**

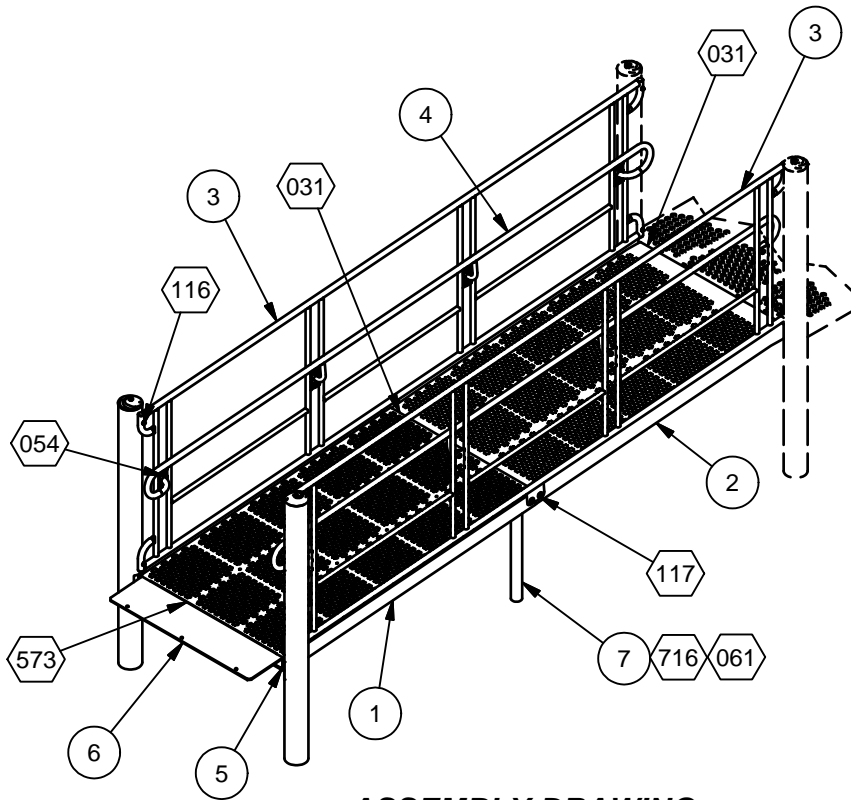


### INSTALLATION INSTRUCTIONS

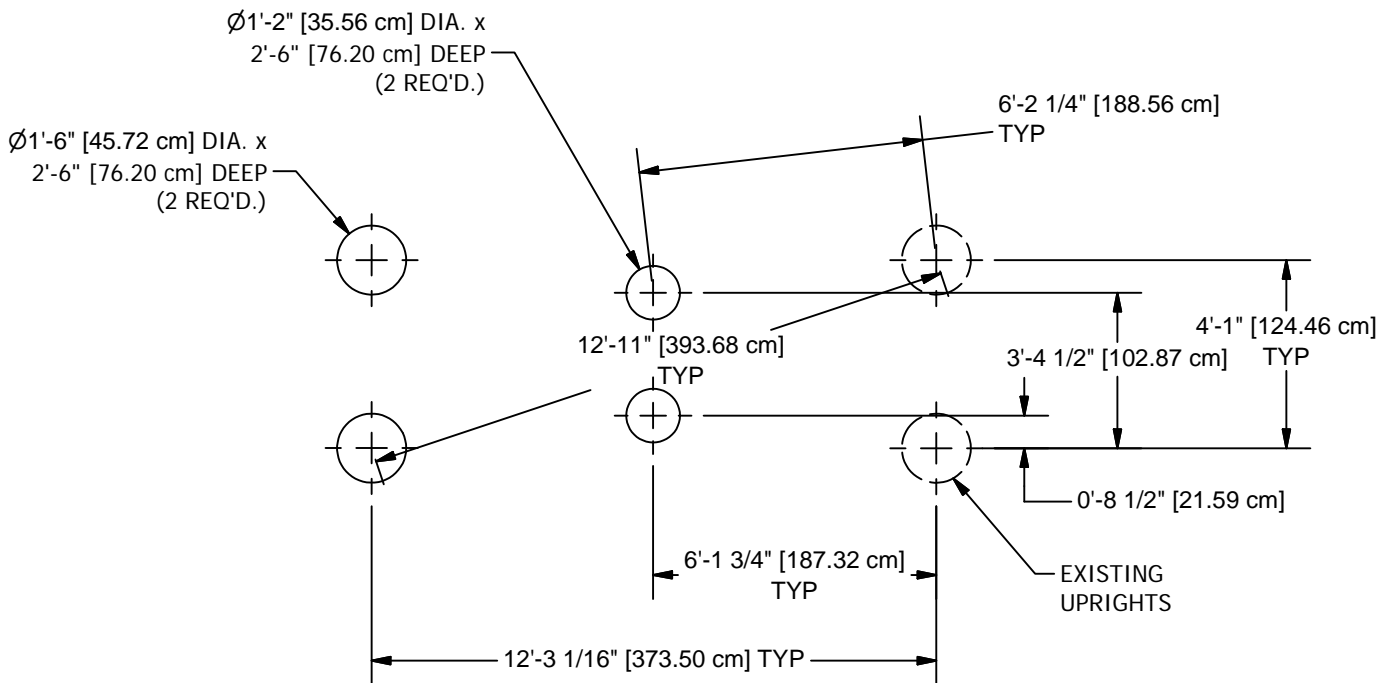
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.



**TOP VIEW**



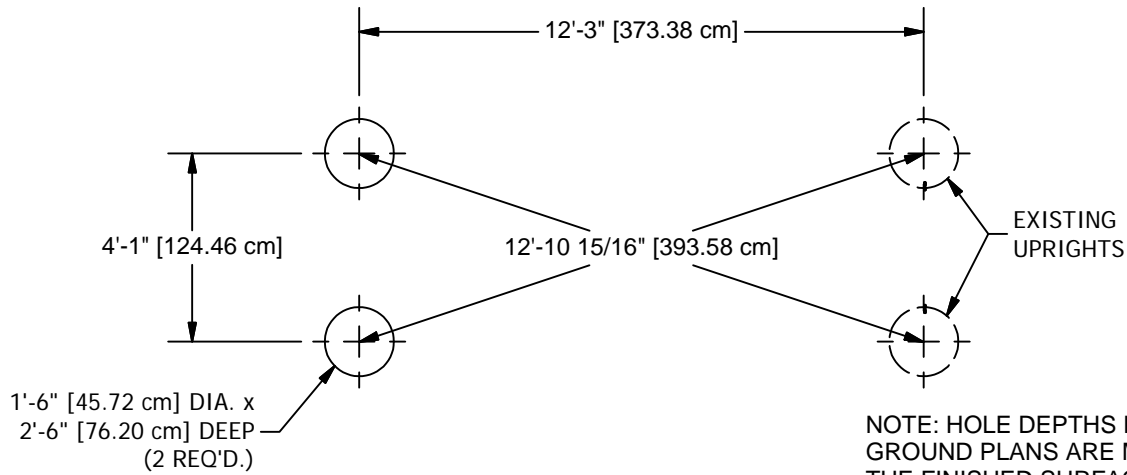
**ASSEMBLY DRAWING  
90679 SHOWN**



CONCRETE REQUIRED  
.32 CUBIC YARDS  
[.24 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  
90673, 90678, 90679 & 90680**



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

**GROUND PLAN**  
**16712**

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.

Parts List							
REF.	DESCRIPTION	16712	90673	90678	90679	90680	PART NUMBER
1	RAMP SECTION	1	1	1	1	1	164045
2	RAMP SECTION	1	1	1	1	1	164042
3	RAMP BARRIER	2	0	0	0	0	176711
3	RAMP GUARDRAIL WELD ASS'Y	0	2	2	2	2	205003
4	HAND HOLD	2	2	2	2	2	176728
5	RAMP SUPPORT	1	1	1	1	1	176659
6	THRESHOLD	1	1	1	1	1	179702
7	GROUND SUPPORT 1'	0	2	0	0	0	205412
7	GROUND SUPPORT 2'	0	0	2	0	0	205414
7	GROUND SUPPORT 3'	0	0	0	2	0	205416
7	GROUND SUPPORT 4'	0	0	0	0	2	205418
	<b>HARDWARE COMPLETE</b>	1	0	0	0	0	207090
	<b>HARDWARE COMPLETE</b>	0	1	1	1	1	205432
	3/8" x 3/4" P.B.H.C.S. w/PATCH	12	12	12	12	12	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	20	20	20	20	20	812050*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	4	811051*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	0	2	2	2	2	801013*
	3/8" FLAT WASHER	32	32	32	32	32	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	16	817424*
	3/8" LOCKWASHER	48	48	48	48	48	817334*
	3/8" ACORN NUT	16	16	16	16	16	804002*
	3/8" T-NUT	16	16	16	16	16	804556*
	3/8" HEX NUT	0	2	2	2	2	804053*
	6" EXTNSION	0	2	2	2	2	151080*

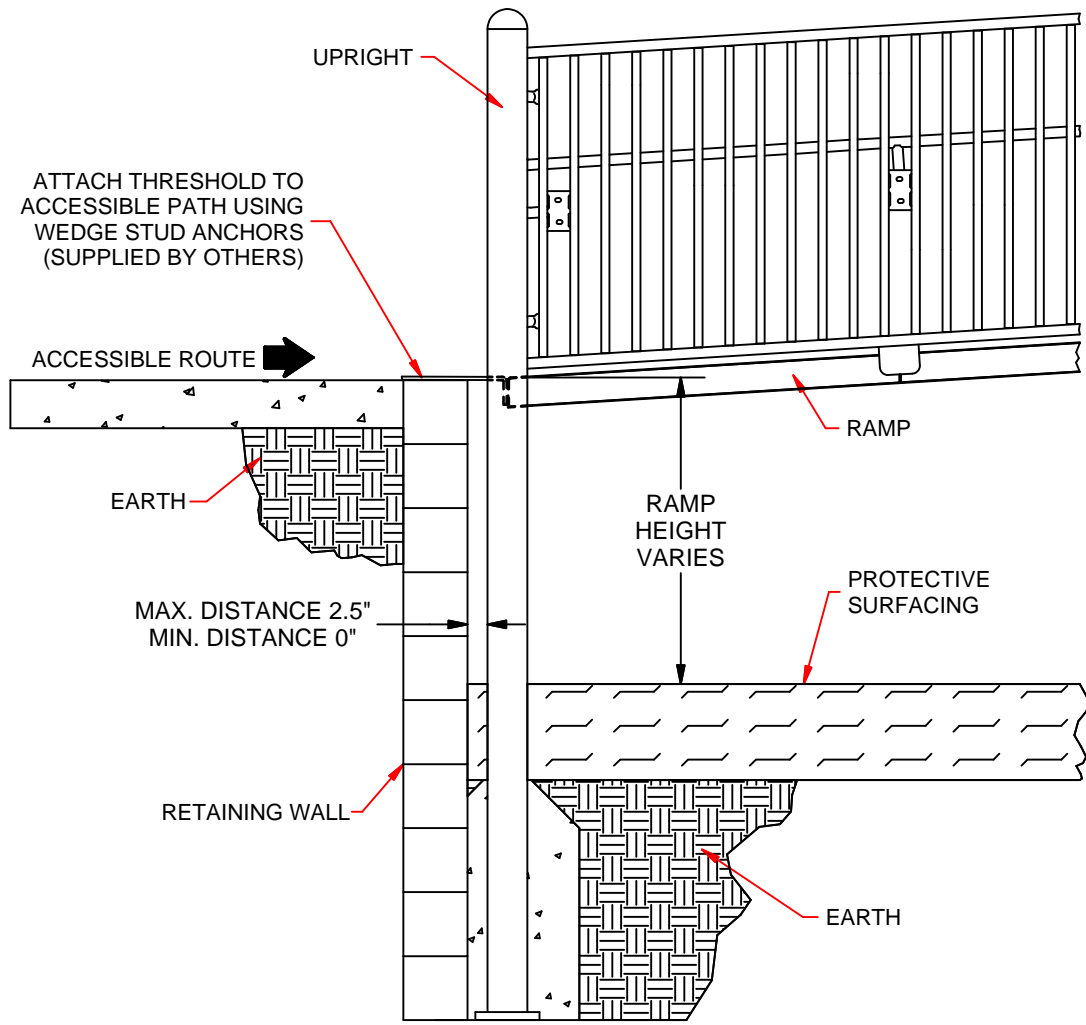
Unless Otherwise Specified, All Units of Measure are Each  
\* Included in Hardware

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

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

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





ELEVATION VIEW

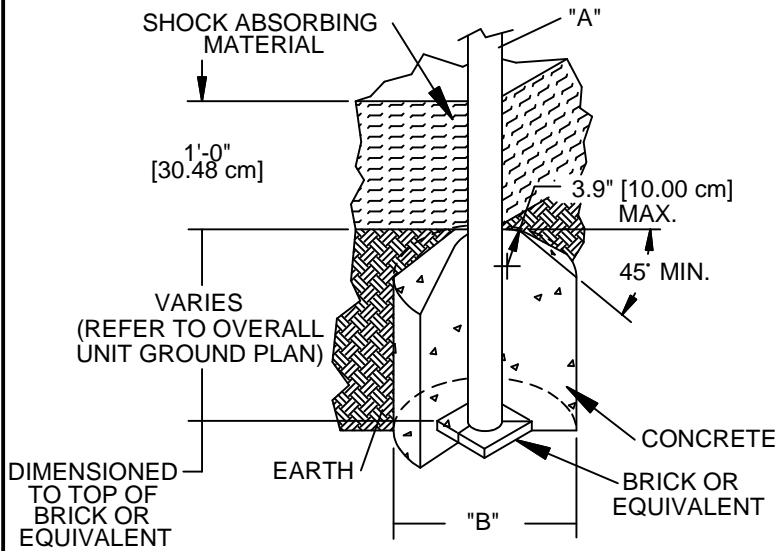
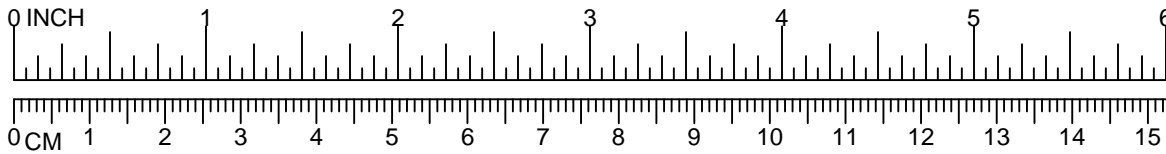
# DETAILS -for- 16712, 90673, 90678, 90679 AND 90680

**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.



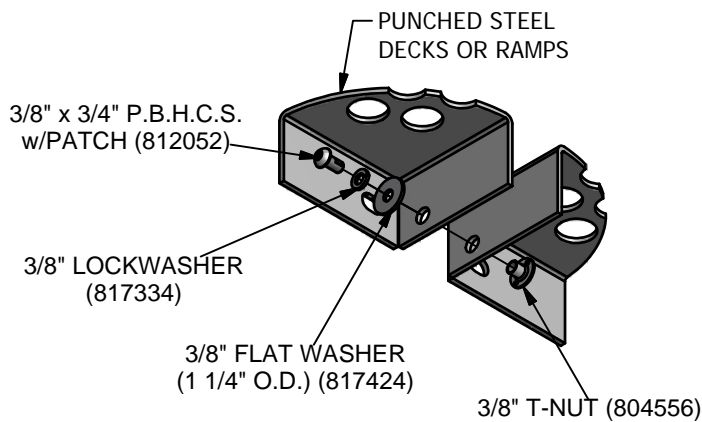
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

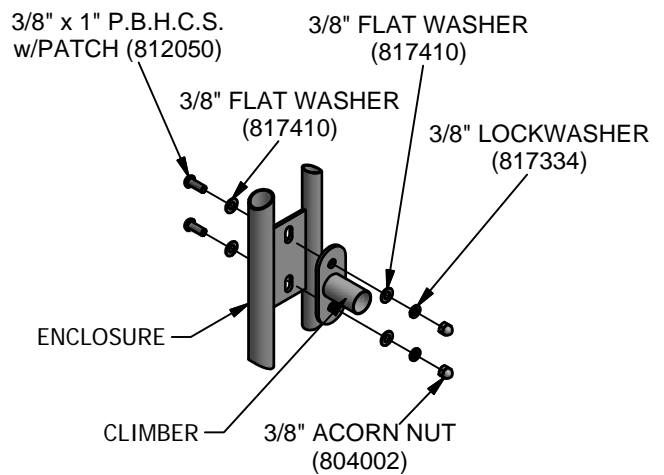
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

**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.



**031**



**054**

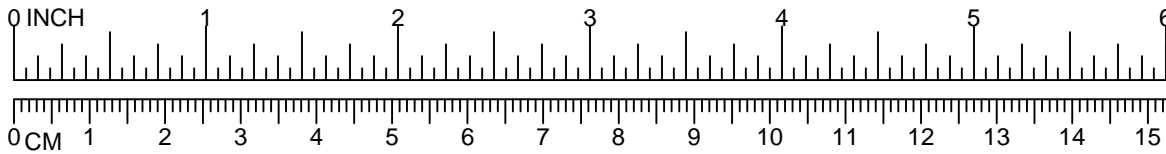
# DETAILS -for- 16712, 90673, 90678, 90679 AND 90680

## 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.

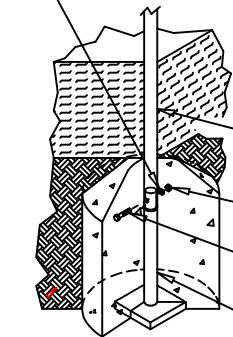
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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)

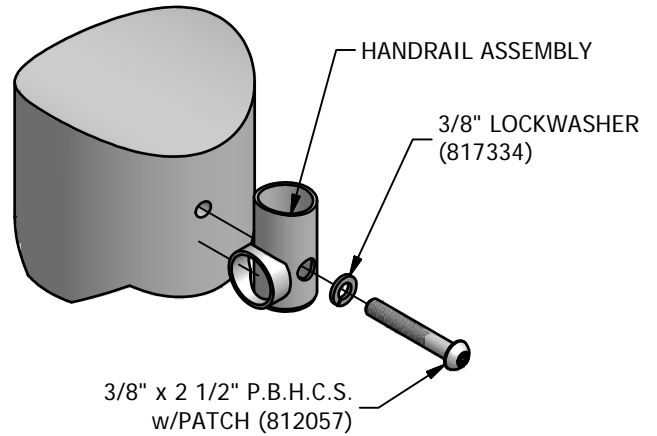


LEG, SEE CHART FOR SIZE

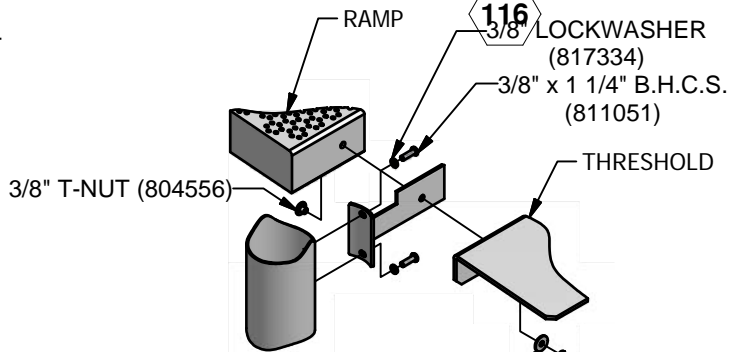
3/8" HEX NUT (804053)

SEE CHART FOR SIZE

EXTENSION



3/8" x 2 1/2" P.B.H.C.S. w/PATCH (812057)

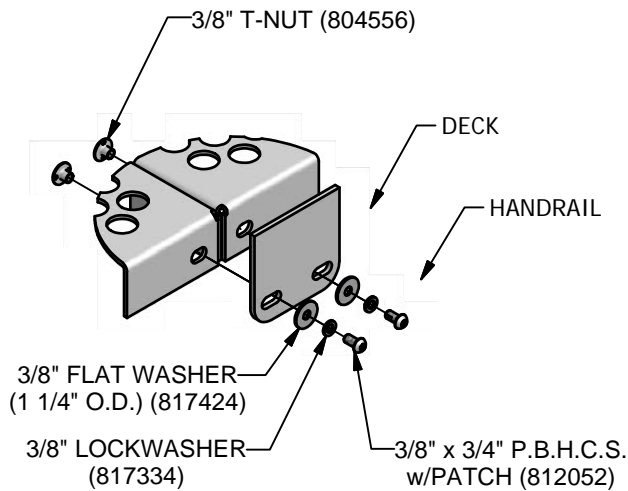


3/8" T-NUT (804556)

116 3/8" LOCKWASHER (817334)

3/8" x 1 1/4" B.H.C.S. (811051)

THRESHOLD



3/8" T-NUT (804556)

DECK

HANDRAIL

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

3/8" LOCKWASHER (817334)

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

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

3/8" LOCKWASHER (817334)

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



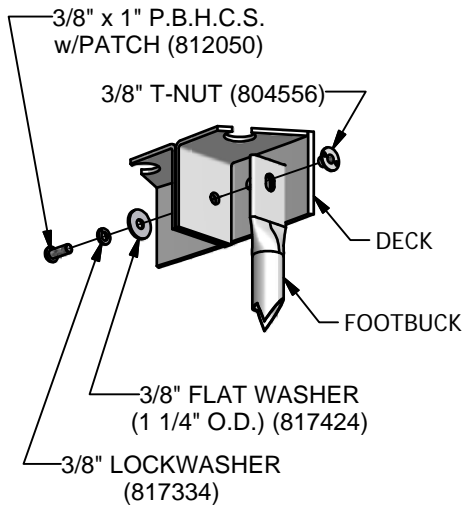
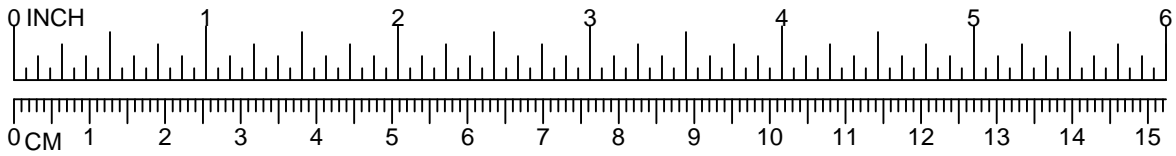
# DETAILS -for- 16712, 90673, 90678, 90679 AND 90680

## 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.



716

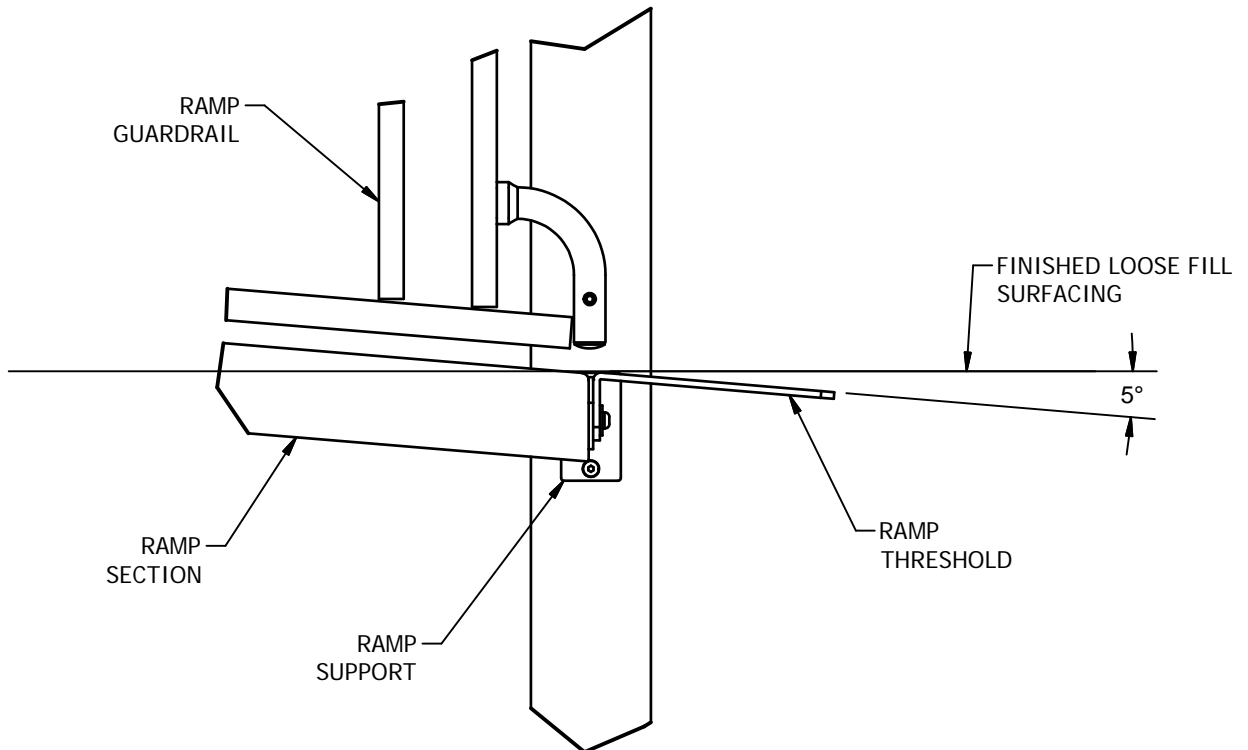
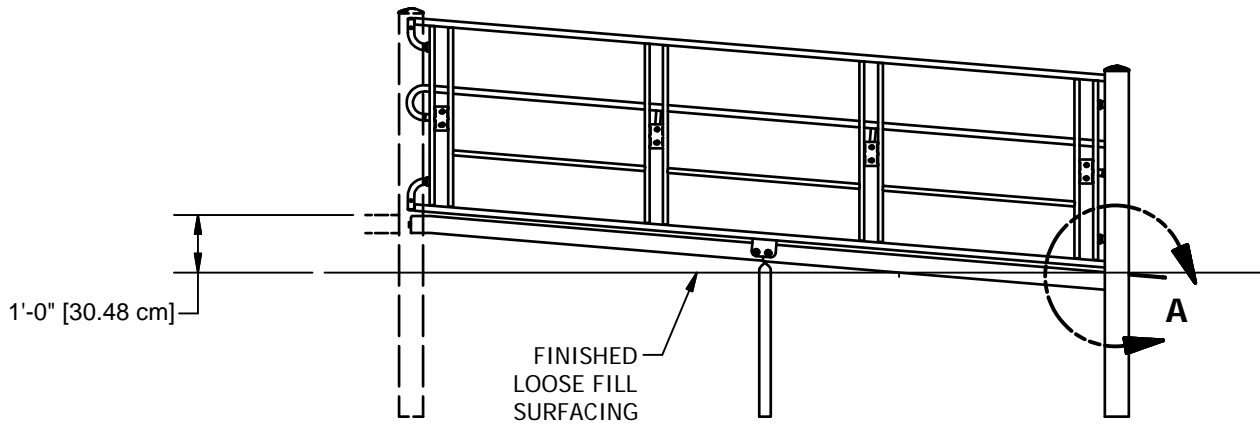
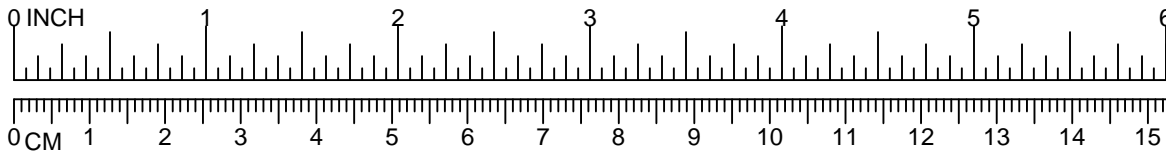
# DETAILS -for- 16712,90673,90678,90679 AND 90680

## 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.



RAMP THRESHOLD DETAIL  
NEAR UPRIGHT REMOVED  
FOR CLARITY

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 2/26/14

# 16717 ACCESSIBLE RAMP LINK

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

<b>BARRIER</b>	<b>16717</b>
<b>1'-6" &amp; 2'-0" GUARDRAIL</b>	<b>90674</b>
<b>2'-6" &amp; 3'-0" GUARDRAIL</b>	<b>90676</b>
<b>3'-6" &amp; 4'-0" GUARDRAIL</b>	<b>90677</b>

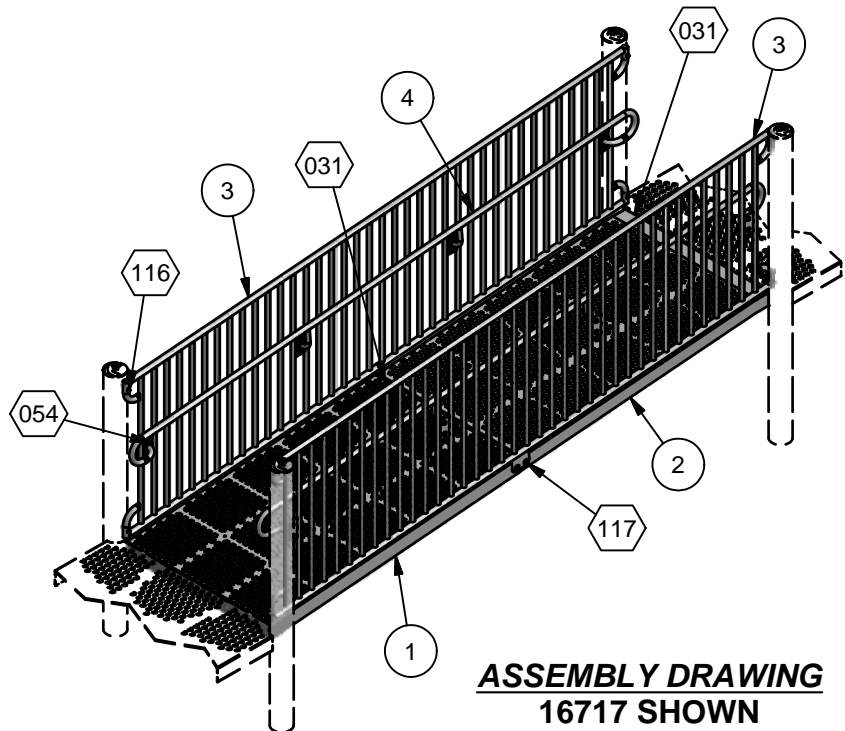


16717  
1'-6" THRU 5'-0"  
90674  
90676  
1'-6" THRU 2'-6"



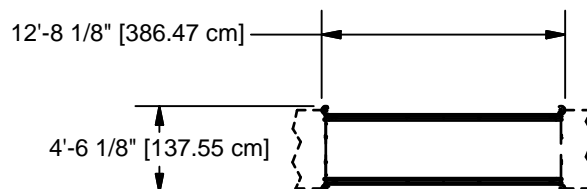
16717  
1'-6" THRU 8'-0"  
90674  
90676  
90677  
1'-6" THRU 4'-0"

**NOTE:** USING A DIGITAL LEVEL CHECK THE ANGLE OF RAMP PRIOR TO POURING CONCRETE. THE ANGLE SHALL NOT EXCEED 4.75° (8.3% SLOPE) TO MEET ADA GUIDELINES.

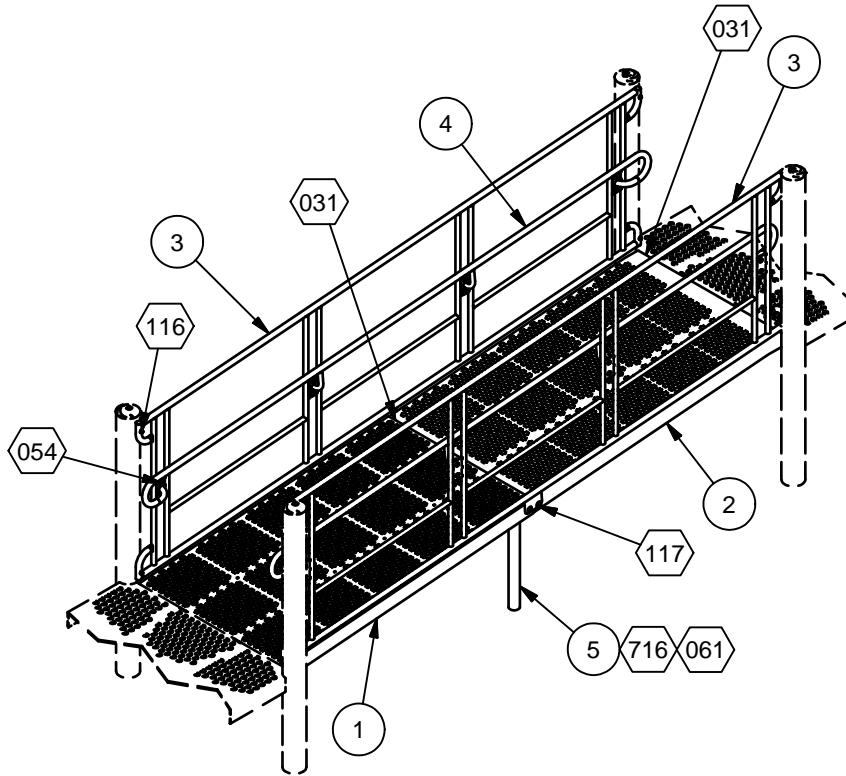


### INSTALLATION INSTRUCTIONS

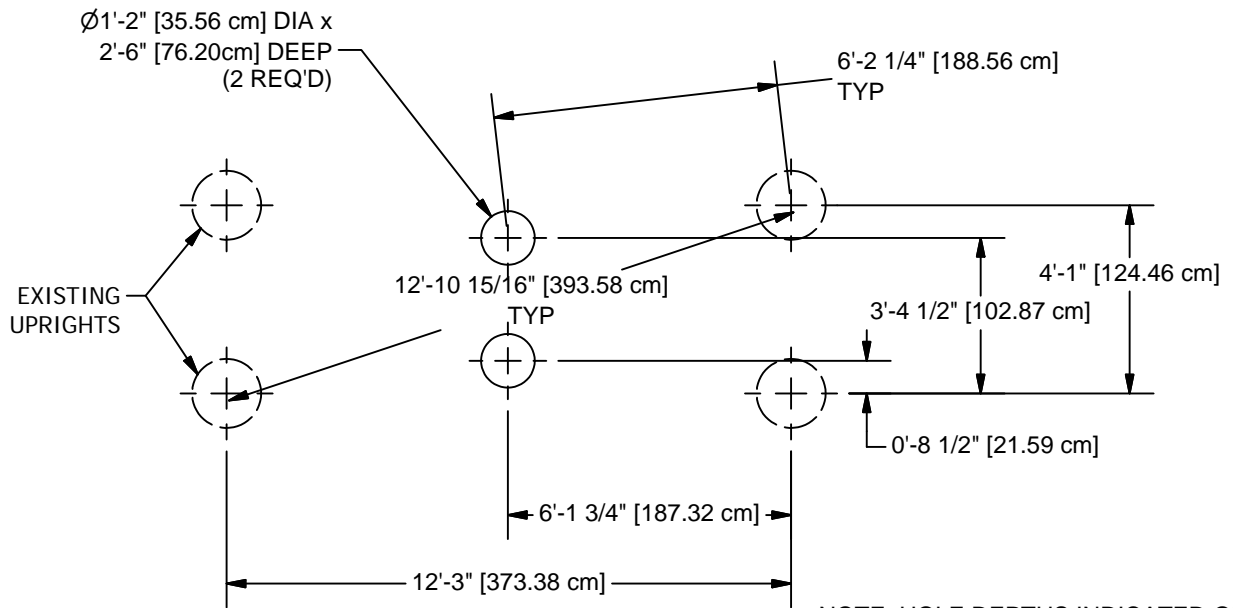
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Fasten deck/ramp together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" bit.



**TOP VIEW**



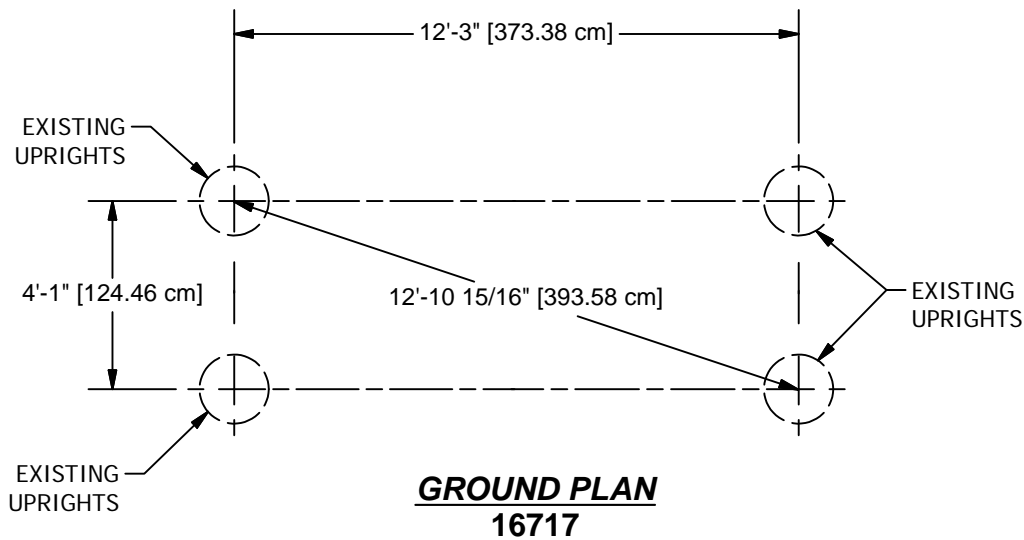
**ASSEMBLY DRAWING  
90676 SHOWN**



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

**GROUND PLAN  
90674, 90676 & 90677**

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



Parts List						
REF.	DESCRIPTION	16717	90674	90676	90677	PART NUMBER
1	RAMP SECTION	1	1	1	1	164045
2	RAMP SECTION	1	1	1	1	164042
3	RAMP BARRIER	2	0	0	0	176711
3	RAMP GUARDRAIL WELD ASS'Y	0	2	2	2	205003
4	HAND HOLD	2	2	2	2	176728
5	GROUND SUPPORT 2'	0	2	0	0	205414
5	GROUND SUPPORT 3'	0	0	2	0	205416
5	GROUND SUPPORT 4'	0	0	0	2	205418
	<b>HARDWARE COMPLETE</b>	1	0	0	0	166304
	<b>HARDWARE COMPLETE</b>	0	1	1	1	205437
	3/8" x 3/4" P.B.H.C.S. w/PATCH	16	16	16	16	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	16	16	16	16	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" x 3 1/2" HEX HEAD BOLT	0	2	2	2	801013*
	3/8" FLAT WASHER	32	32	32	32	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCKWASHER	40	40	40	40	817334*
	3/8" ACORN NUT	16	16	16	16	804002*
	3/8" T-NUT	16	16	16	16	804556*
	3/8" HEX NUT	0	2	2	2	804053*
	6" EXTENSION	0	2	2	2	151080*

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

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

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



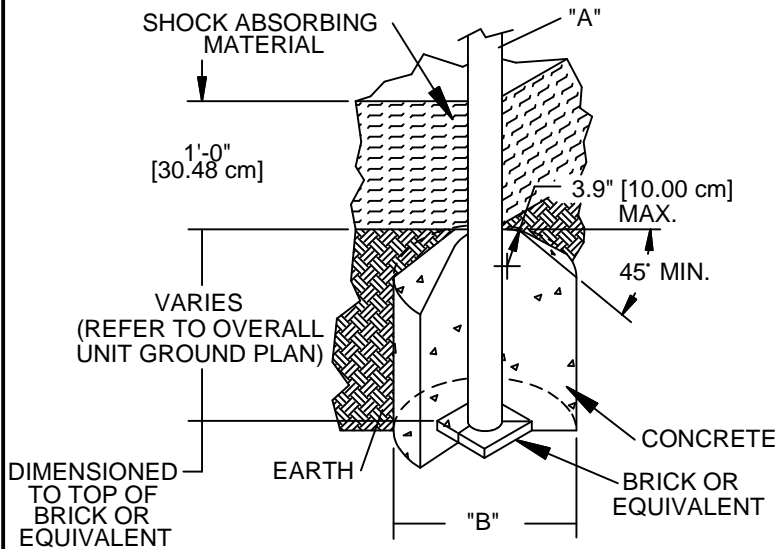
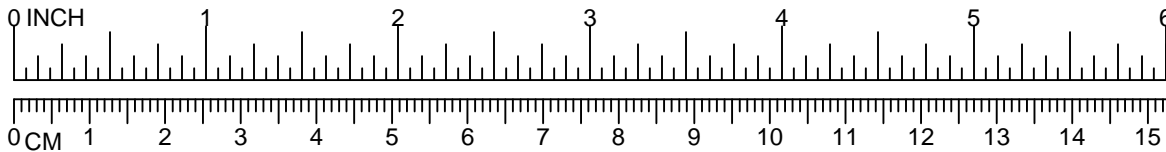
# DETAILS -for- 16717, 90674, 90676 & 90677

## 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.



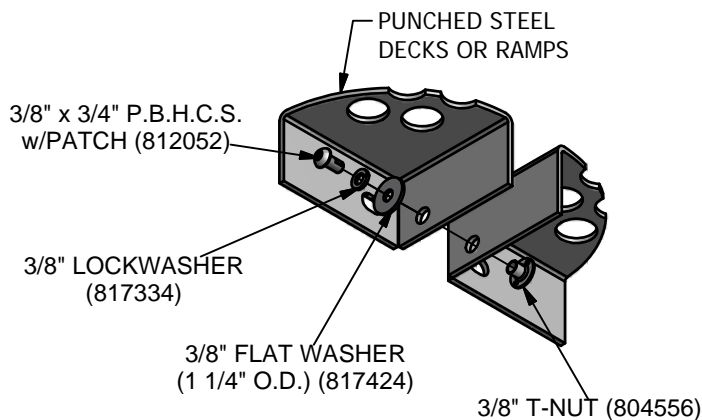
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

### NOTES:

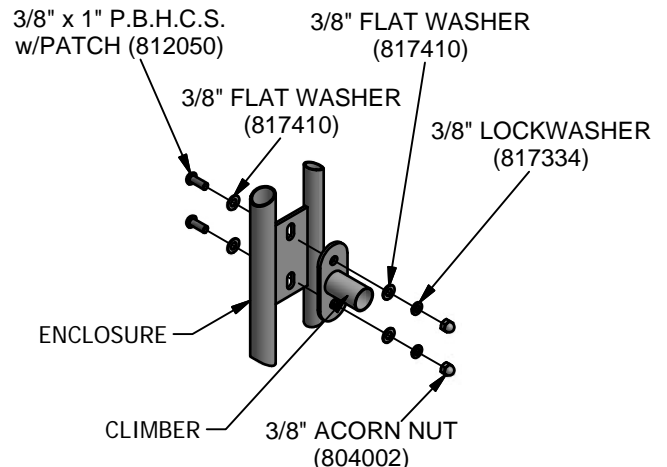
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



031



054

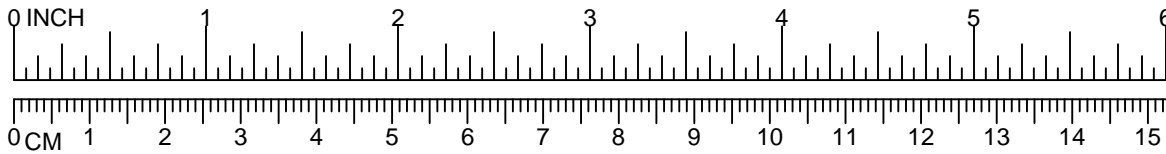
# DETAILS -for- 16717, 90674, 90676 & 90677

## 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.

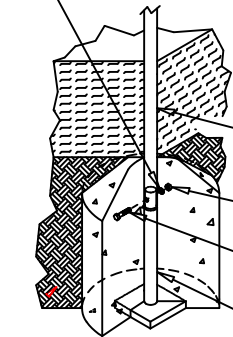
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



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)



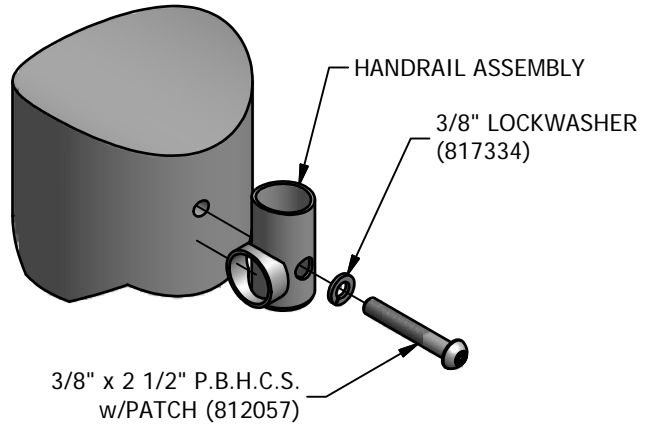
LEG, SEE CHART FOR SIZE

3/8" HEX NUT (804053)

SEE CHART FOR SIZE

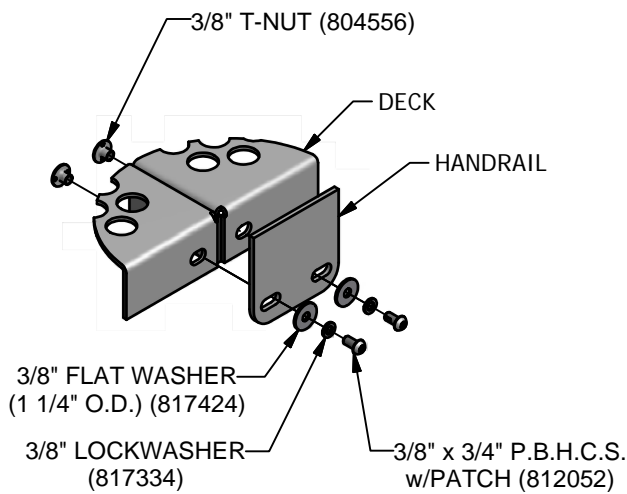
EXTENSION

061

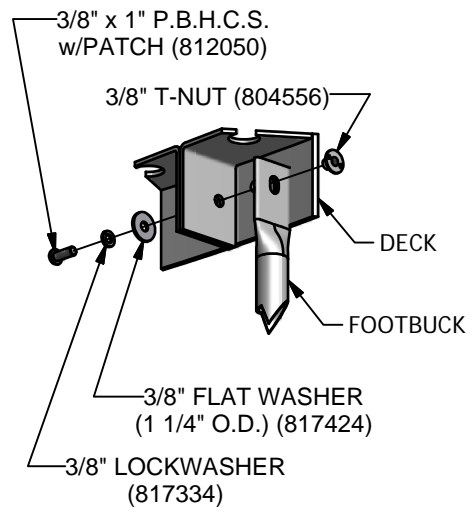


3/8" x 2 1/2" P.B.H.C.S. w/PATCH (812057)

116





117



716

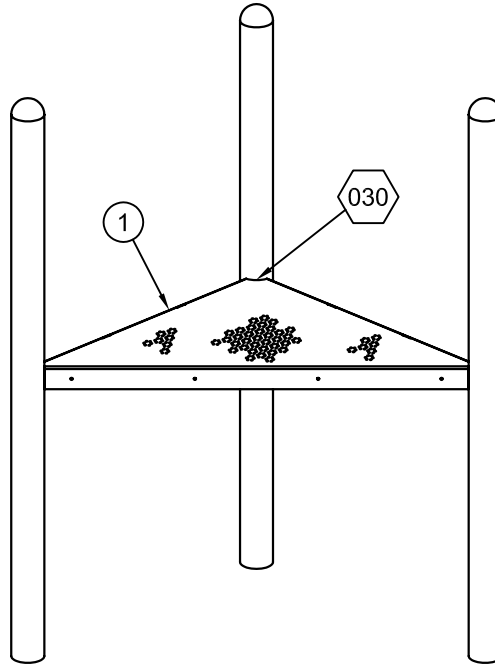
**16803  
WIDE  
TRIANGLE  
DECK (ADA)**

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

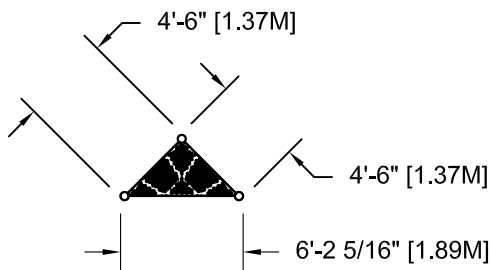
**INSTALLATION INSTRUCTIONS**

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



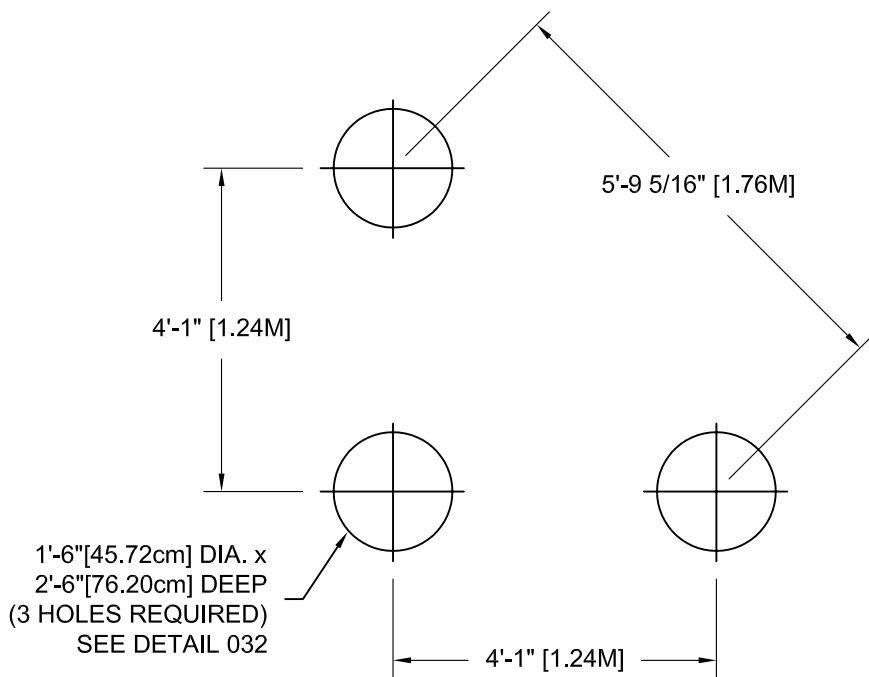
**TOP VIEW**

**PARTS LIST**

REF NO.	DESCRIPTION	No. REQ'D	PART NUMBER
1	Triangle Deck	1	176231
	<b>Hardware Complete</b>	1	161255
	3/8" x 3/4" P.B.H.C.S. w/Patch	6	812052
	3/8" x 1 1/2" B.H.C.S.	6	810053
	3/8" Tee Nut	6	804556
	3/8" Lockwasher	6	817334
	3/8" Flatwasher (1 1/4" O.D.)	12	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.**



**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.

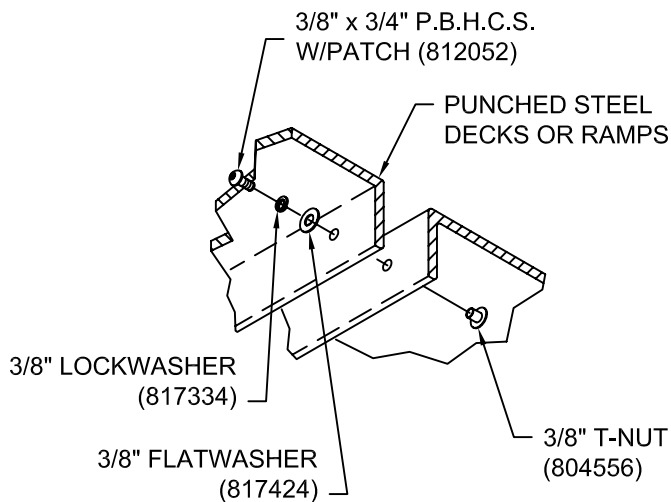
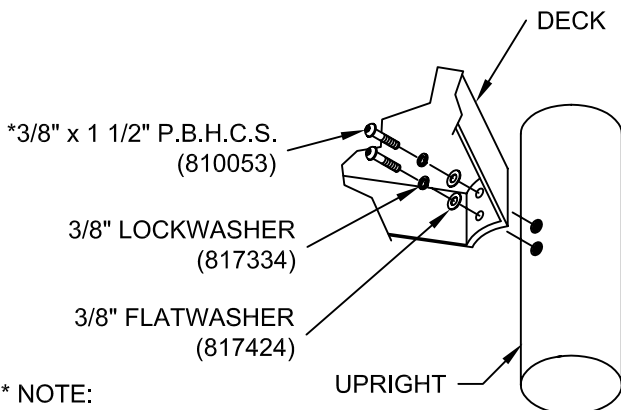
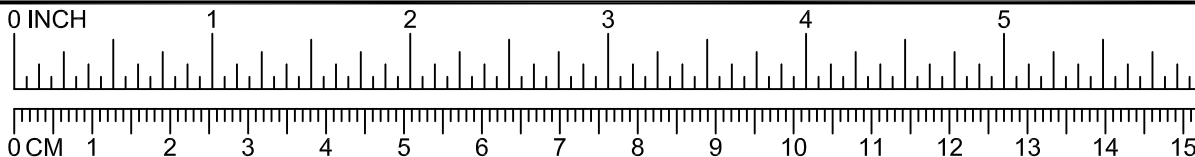
Concrete Required  
.30 Cubic Yards  
[.23 Cubic Meters]

# DETAILS -for- 16803

**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.**

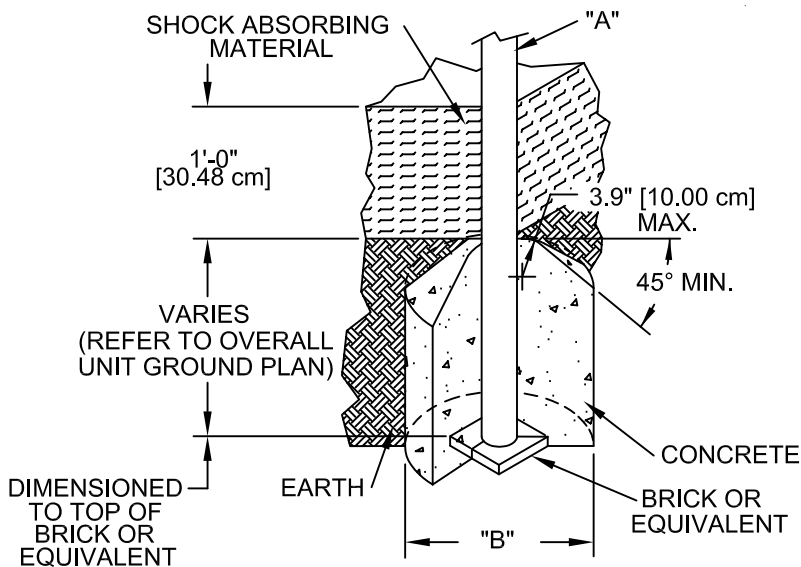


\* NOTE:  
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

\* 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]
<b>TRACK RIDE &amp; SWINGS</b>	
5" [12.70 cm]	2'-0" [60.96 cm]
<b>TREE SCAPE</b>	
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

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.

primetime<sup>®</sup>

19714





A PLAYCORE Company

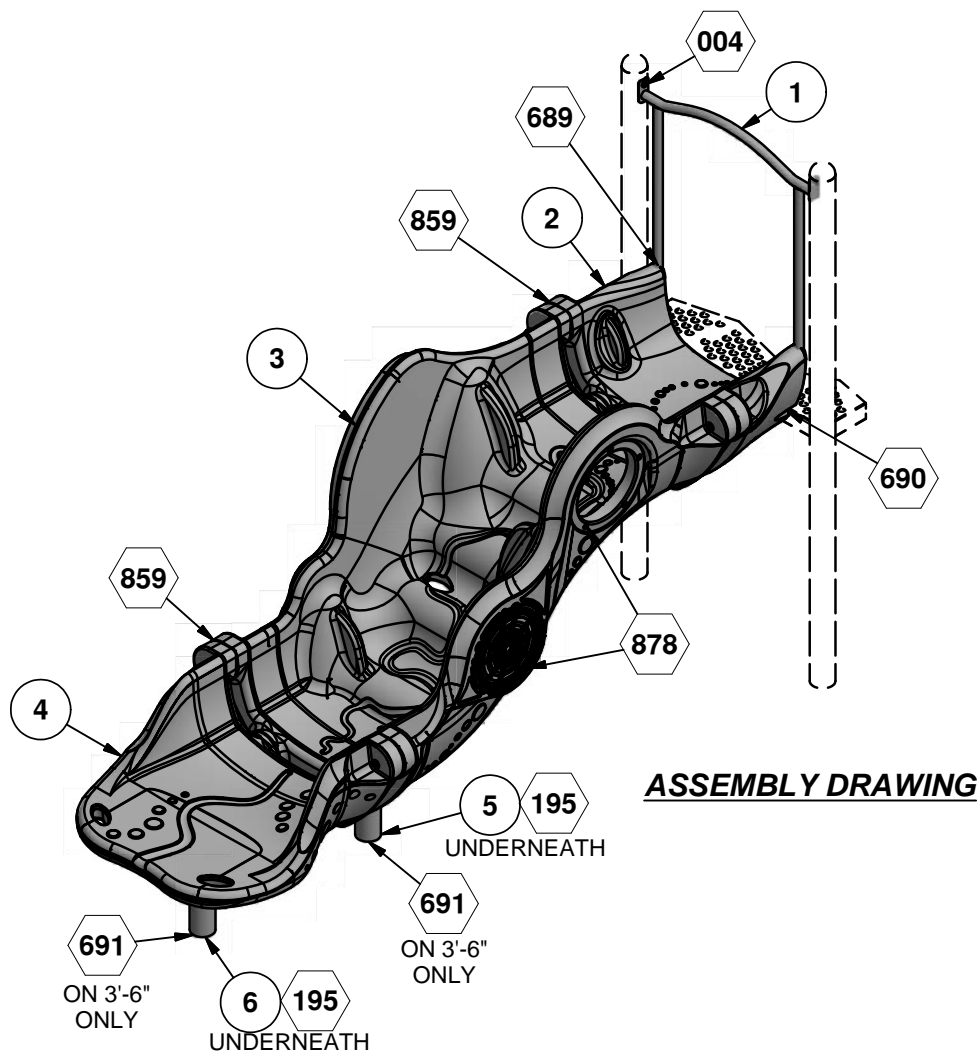
1-800-235-2440

# SENSORY WAVE CLIMBER UP & ON

ISSUED/REVISED: 10/3/16

-  = INSTALLATION
-  = PARTS LIST REFERENCE

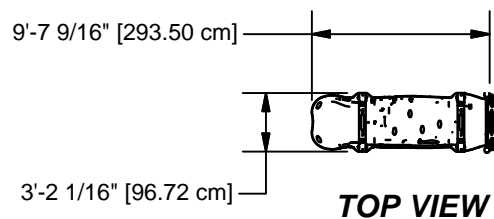
SENSORY WAVE CLIMBER UP & ON	19714
SENSORY WAVE CLIMBER UP & ON BRONZE	4668
SENSORY WAVE CLIMBER UP & ON SILVER	4669
SENSORY WAVE CLIMBER UP & ON GOLD	4670



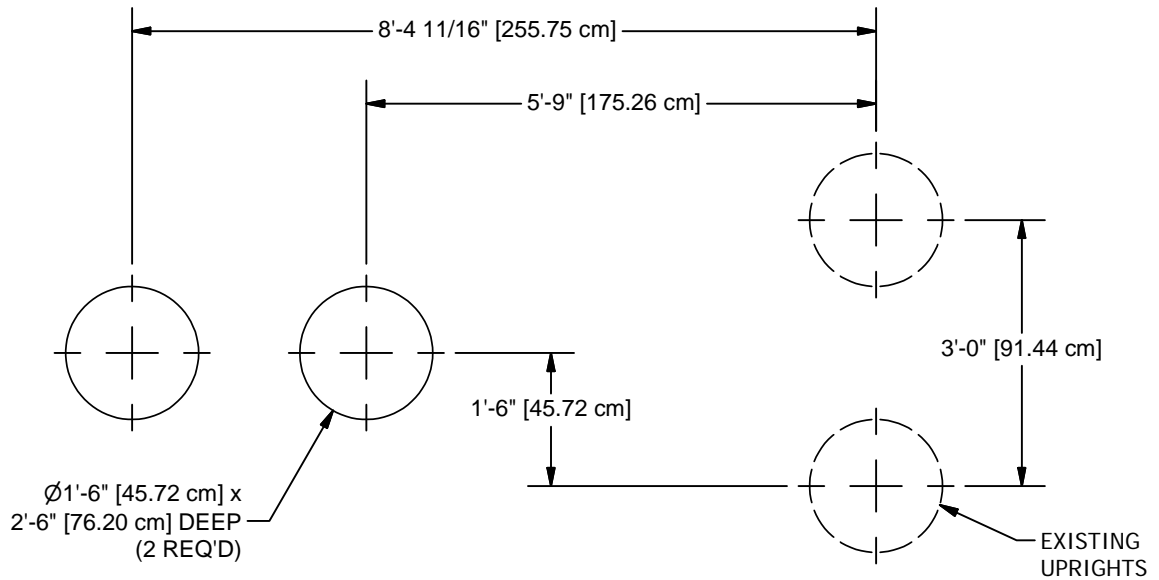
**ASSEMBLY DRAWING**

## INSTALLATION INTRUCTIONS

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



**TOP VIEW**



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

**GROUND PLAN**

**CONCRETE REQUIRED**  
 .20 CUBIC YARDS  
 .15 CUBIC METERS

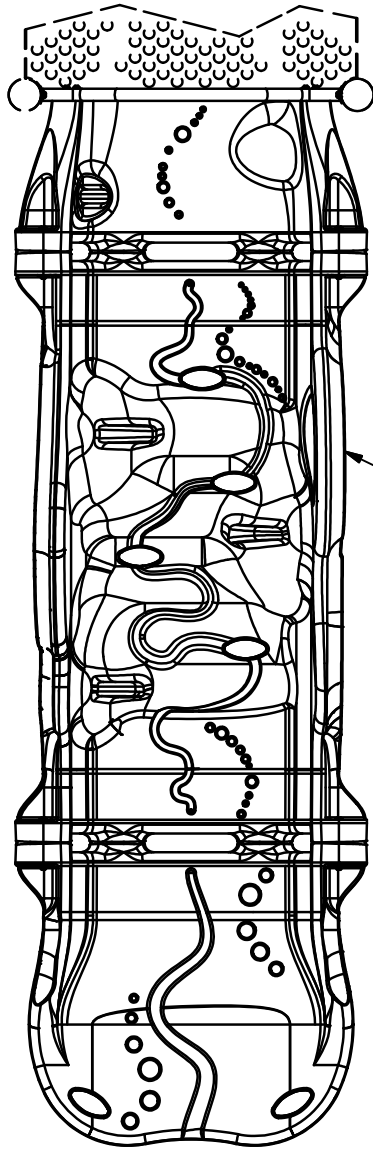
Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	DECK CONNECTOR WELD ASS'Y	1	211798
2	WAVE DECK COUPLER	1	211614
3	WAVE ARCH	1	211610
4	WAVE END TRANSFER	1	211613
5	FOOTBUCK WELD ASS'Y	1	211712
6	FOOTBUCK WELD ASS'Y	1	211716
	<b>HARDWARE COMPLETE</b>	1	211811
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
	3/8" x 2" B.H.C.S.	4	811055*
	3/8" x 4" HEX HEAD BOLT	2	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	8	812078*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	10	817424*
	3/8" LOCKWASHER	20	817334*
	3/8" BARREL NUT	8	804804*
	3/8" HEX NUT	2	804053*
	EXTENSION PIPE	2	211801*
	DOMED PLUG	18	818379*

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.**

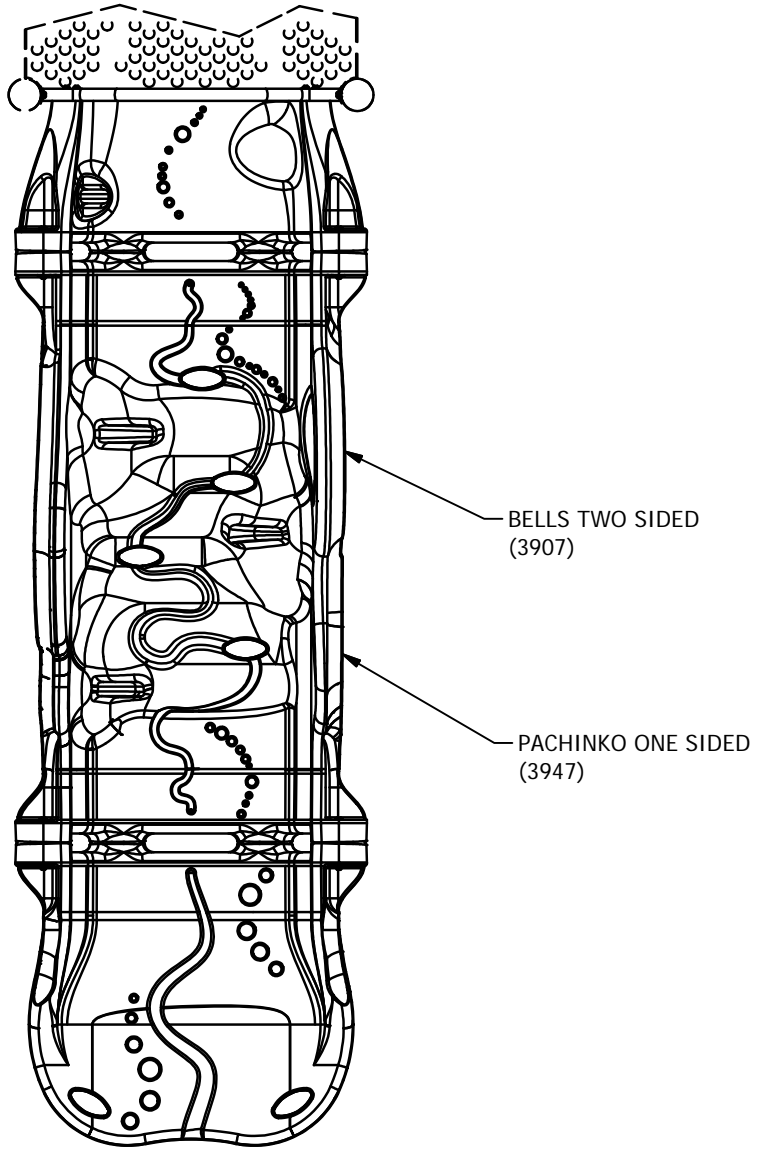


BELLS TWO SIDED  
(3907)

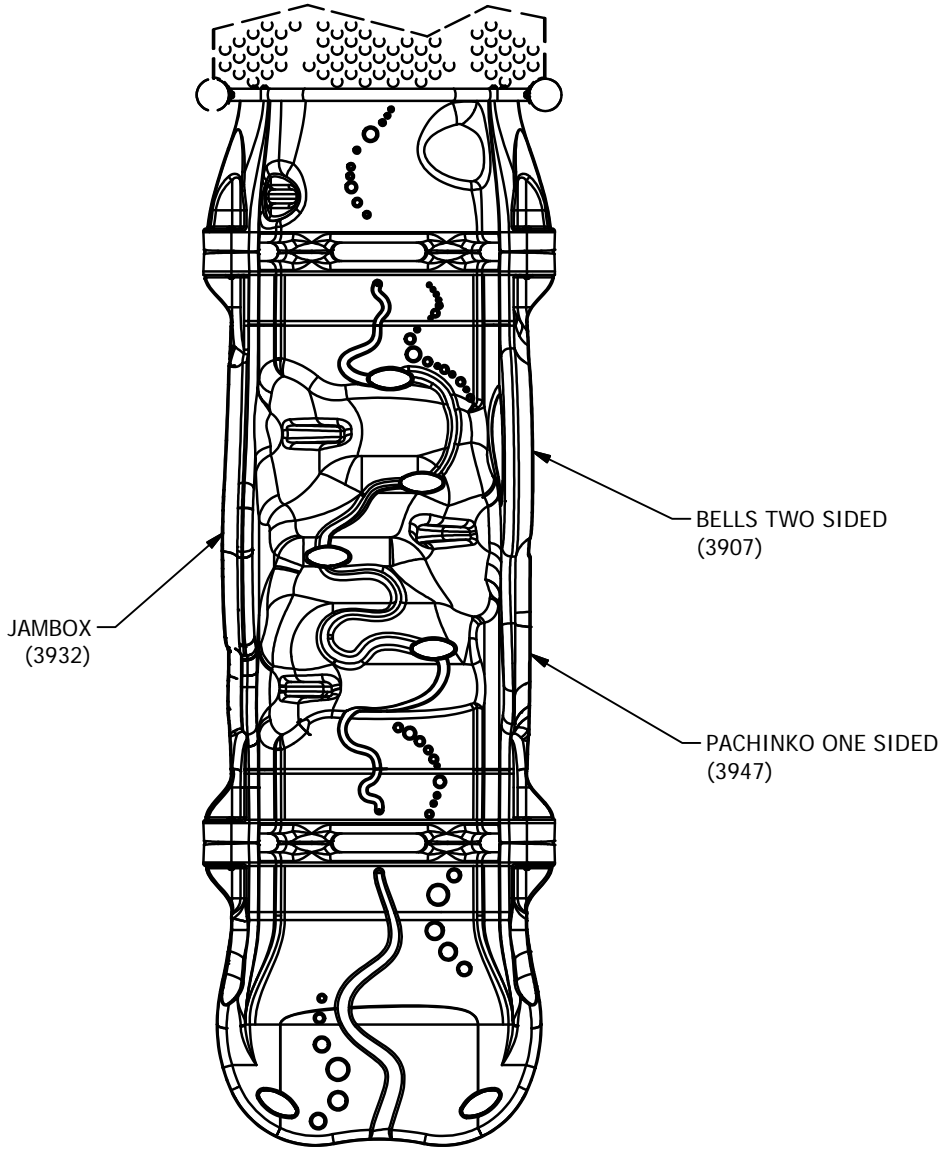
**BRONZE PACKAGE SHOWN**

4668





**SILVER PACKAGE SHOWN**  
4669



**GOLD PACKAGE SHOWN**

4670

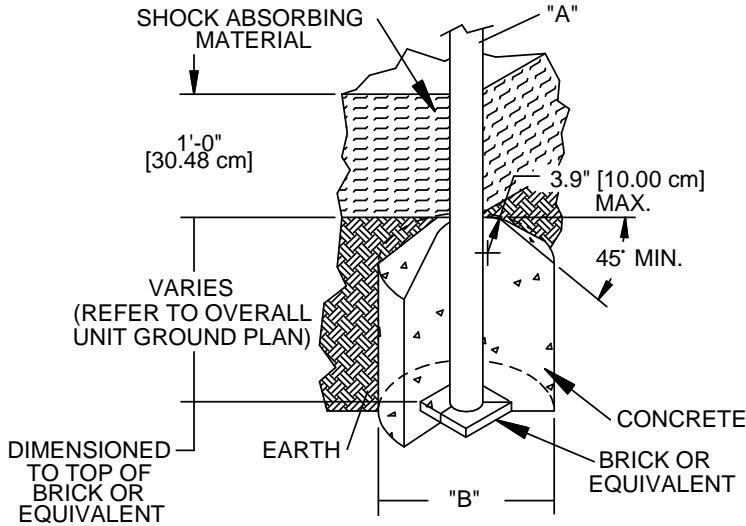
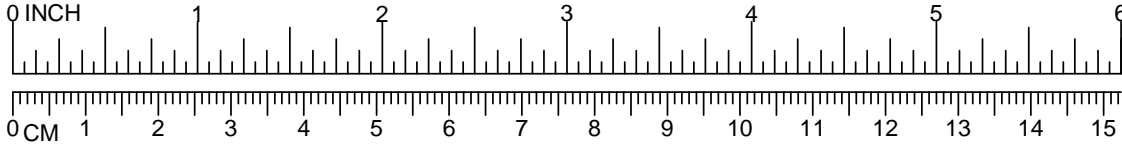
# DETAILS -for- 19714

IMPORTANT

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

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

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



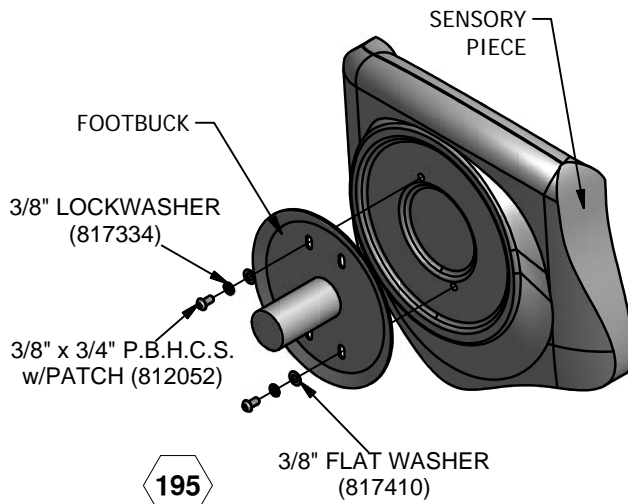
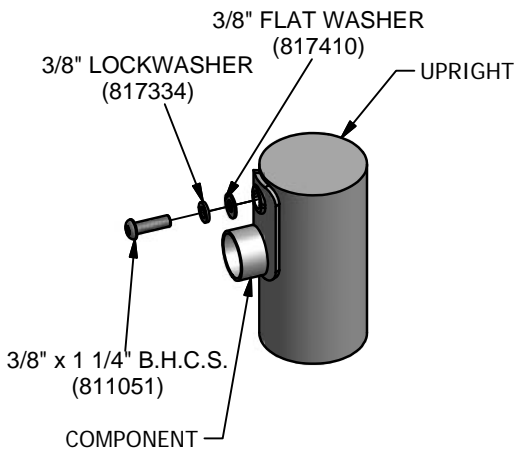
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

**NOTES:**

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



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



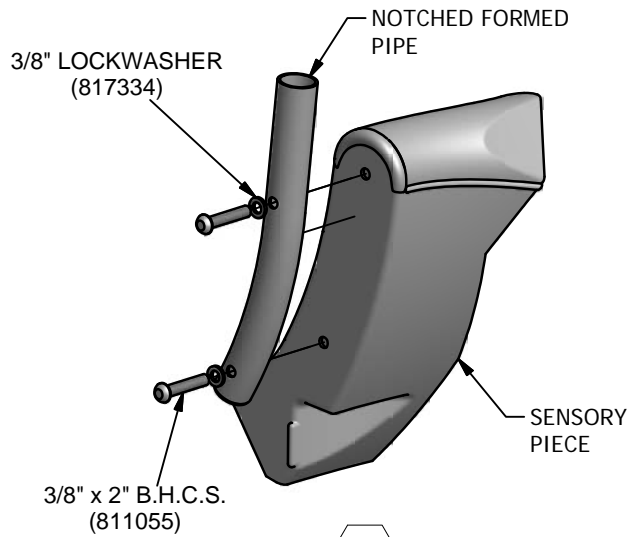
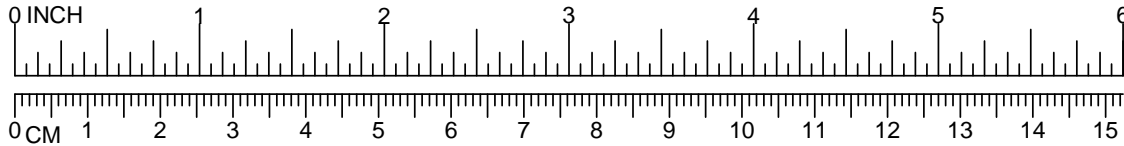
# DETAILS -for- 19714

IMPORTANT

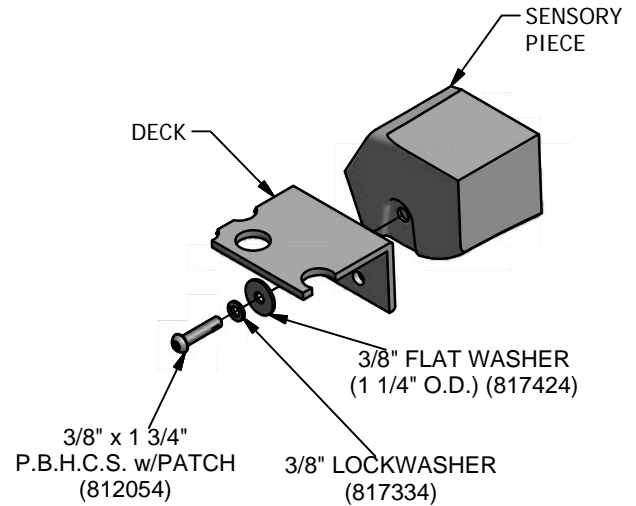
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

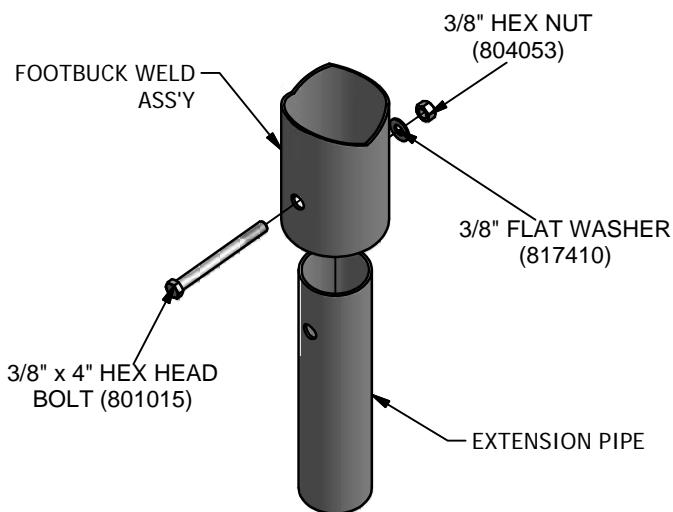
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



689



690



691

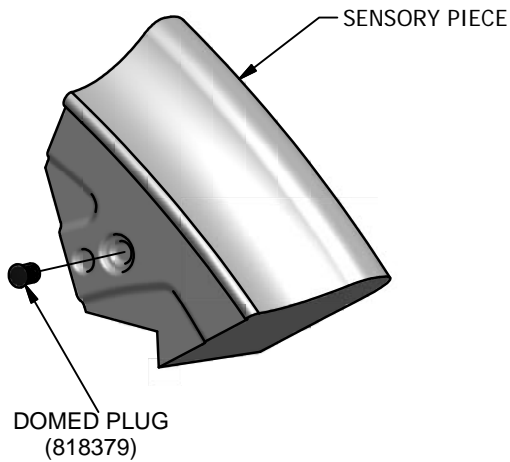
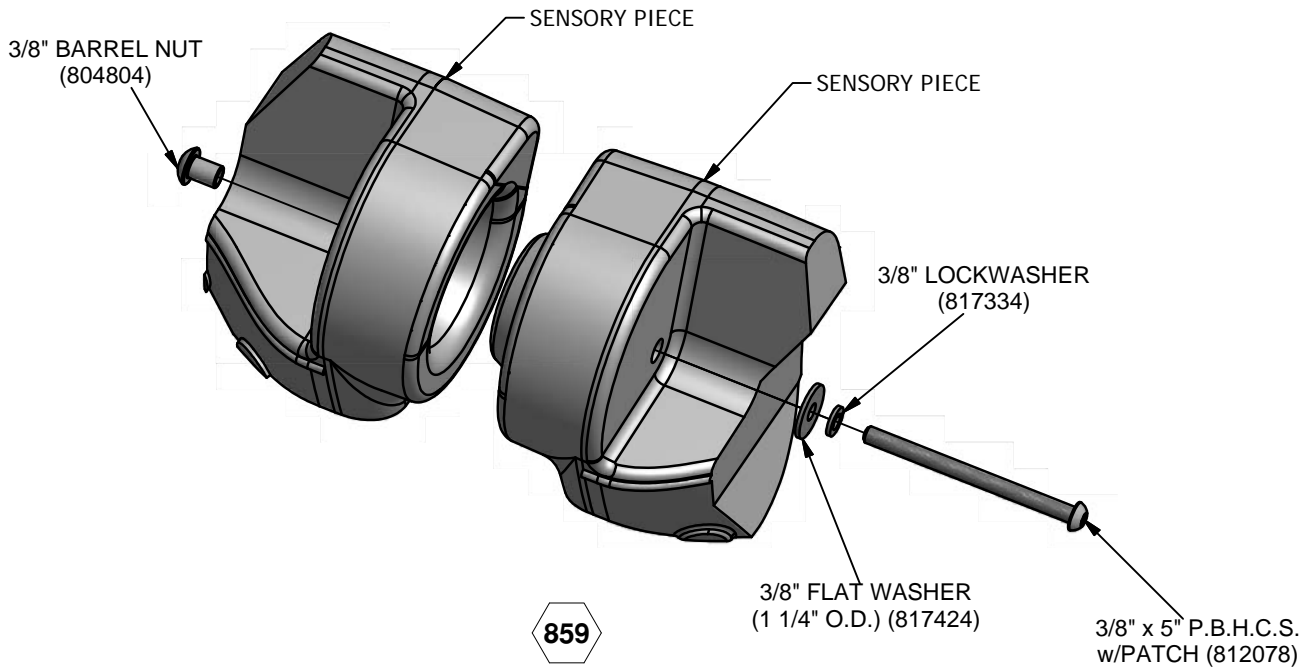
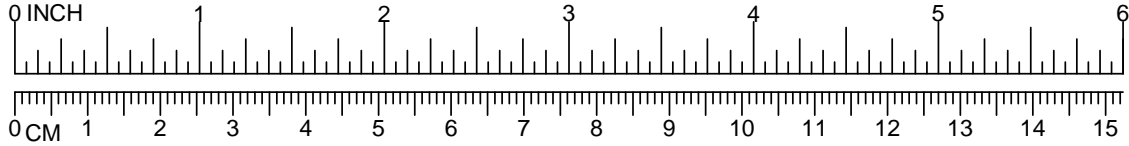
# DETAILS -for- 19714

IMPORTANT

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

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

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







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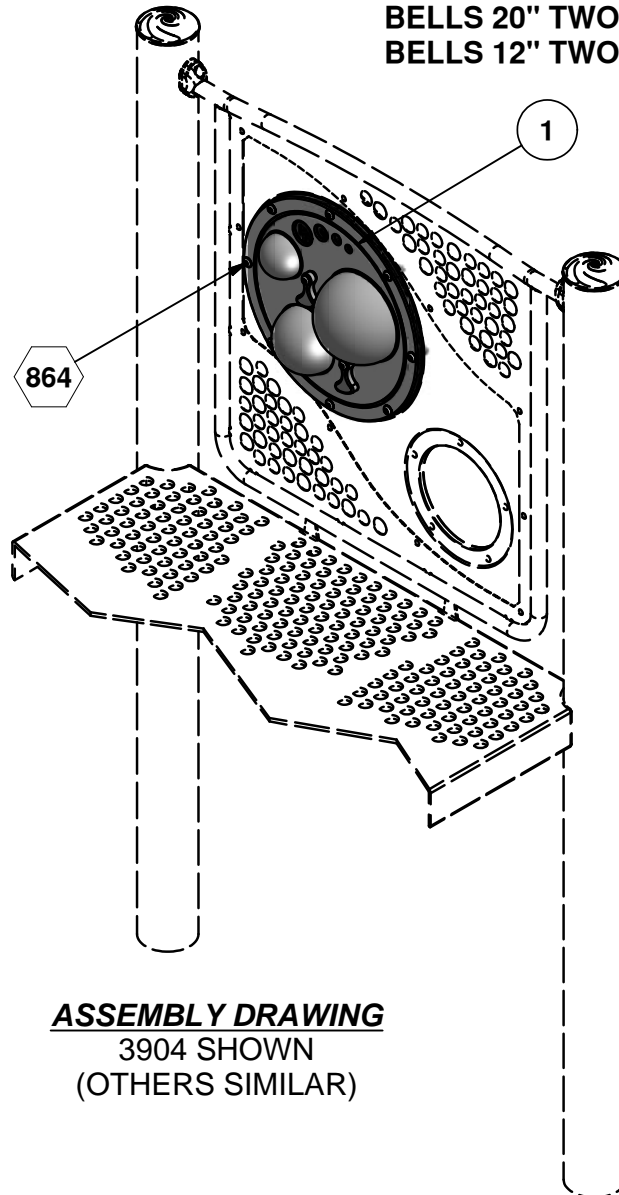
3904

BELLS

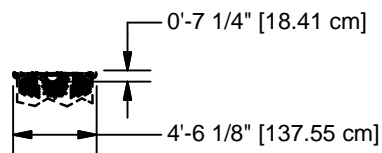
ISSUED/REVISED: 10/3/2016

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

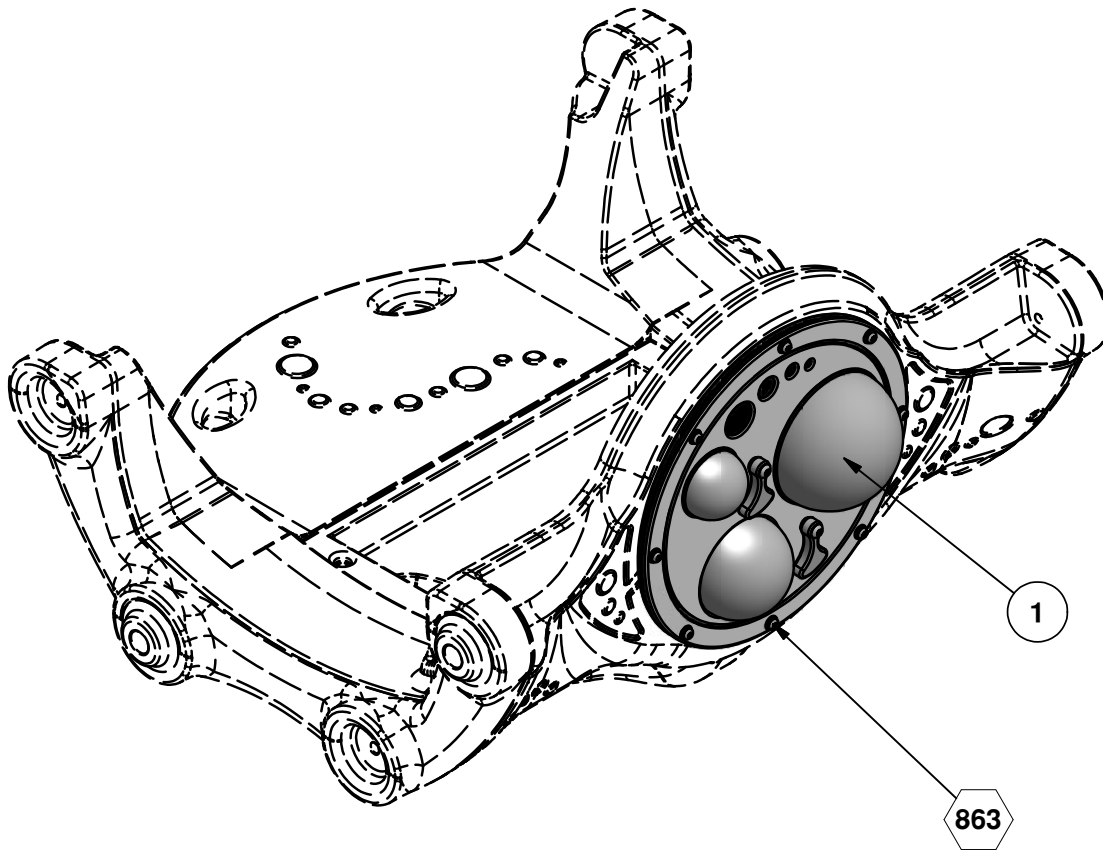
BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907



**ASSEMBLY DRAWING**  
 3904 SHOWN  
 (OTHERS SIMILAR)



**TOP VIEW**



**3904 ROTOMOLD APPLICATION**

Parts List						
REF.	DESCRIPTION	3904	3905	3906	3907	PART NUMBER
1	20" BELL ASS'Y ONE SIDED	1	0	0	0	212168
2	12" BELL ONE SIDED	0	1	0	0	212186
3	20" BELL TWO SIDED	0	0	1	0	212183
4	12" BELL TWO SIDED	0	0	0	1	212188
	<b>HARDWARE COMPLETE</b>	1	0	1	0	212190
	<b>HARDWARE COMPLETE</b>	0	1	0	1	212191
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
	3/8" BARREL NUT	8	5	8	5	804804*
	3/8" FLAT WASHER	8	5	8	5	817410*
	3/8" LOCKWASHER	8	5	8	5	817334*

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

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

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



## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Bells 3904, 3905, 3906 and 3907 per detail 864. When used on rotomold application, attach Bells 3904 and 3905 per detail 863.

## **SPECIFICATIONS**

**BELL:** Bells shall be all weld assemblies fabricated from formed 11 Ga. Steel, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and purchases machined stainless steel insert. The Bell weld assemblies shall be coated in TGIC polyester powder coating as specified herein.

**BELL PANEL:** The bell panel shall be fabricated from 3/4" high density polyethylene.

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

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

**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.

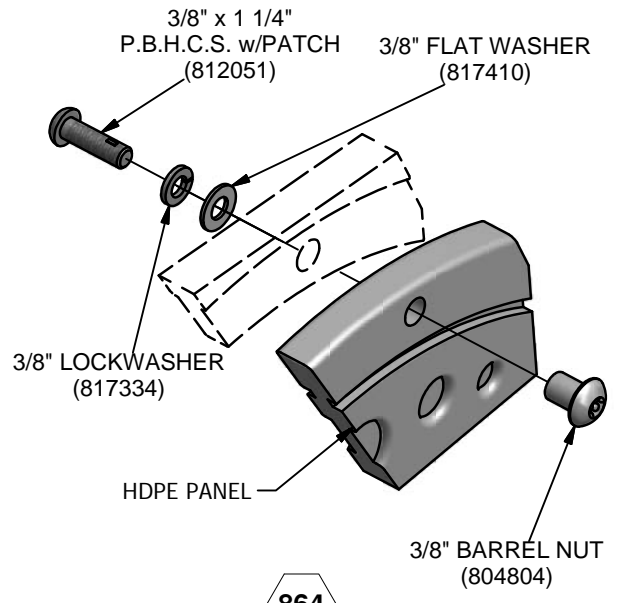
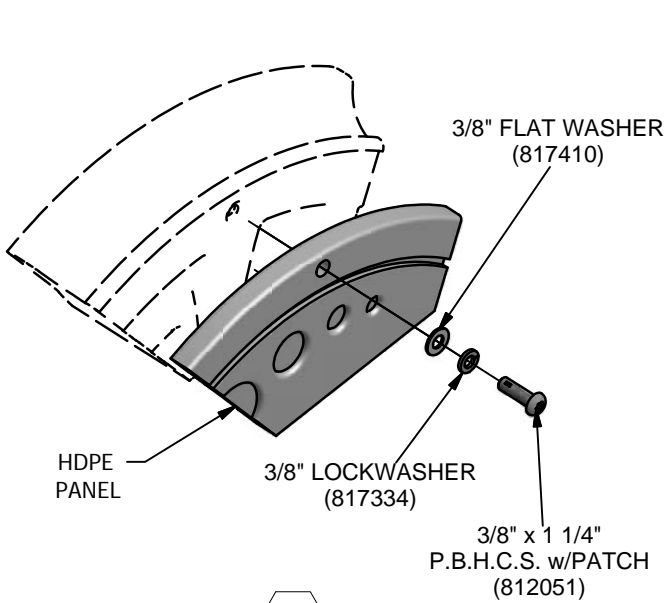
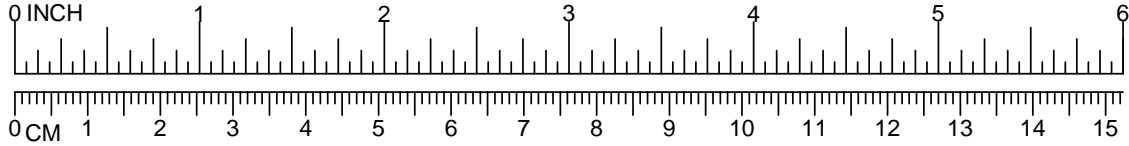
## DETAILS -for- 3904, 3905, 3906 & 3907

**IMPORTANT**

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

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

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







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1-800-235-2440

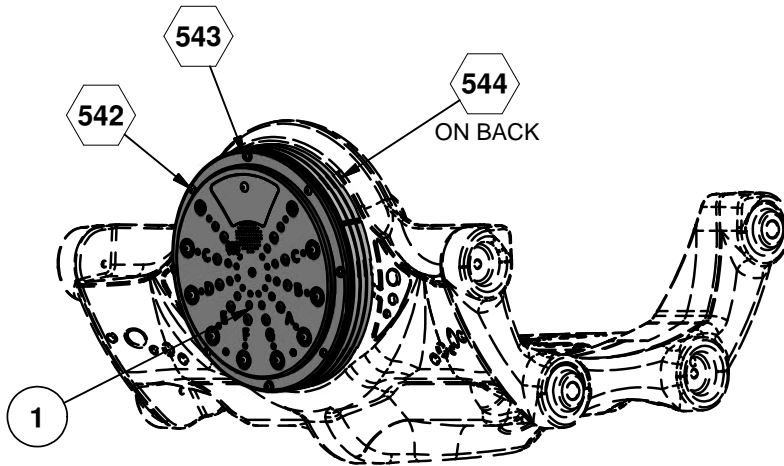
3932

# JAM BOX

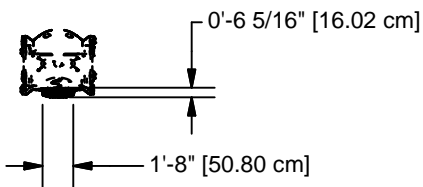
ISSUED/REVISED: 10/3/2016

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

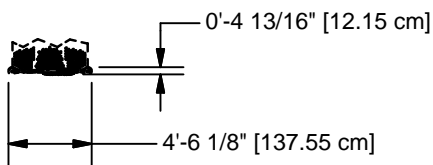
JAM BOX	3932
JAM BOX TWO SIDED	3933



**ASSEMBLY DRAWING**  
3932 SHOWN

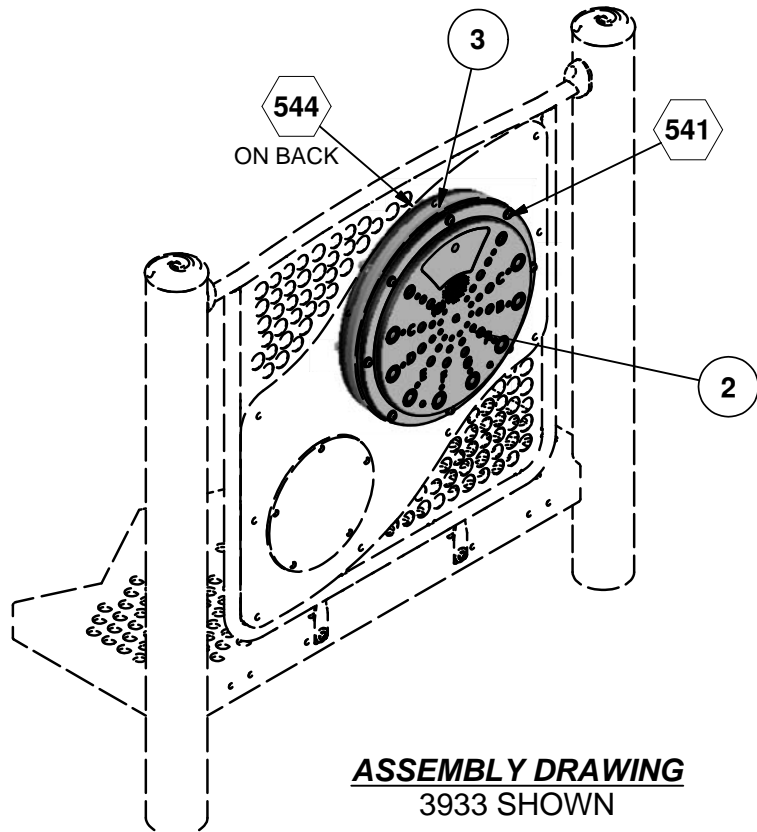


3932



3933

**TOP VIEW**



**ASSEMBLY DRAWING**  
3933 SHOWN



## 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.

Parts List				
REF	DESCRIPTION	3932	3933	PART NUMBER
1	JAM BOX ONE SIDED	1	0	212428
2	JAM BOX TWO SIDED	0	1	212417
3	SPACER	6	0	212416
	<b>HARDWARE COMPLETE</b>	1	0	212436
	<b>HARDWARE COMPLETE</b>	0	1	212437
	3/8" x 3" P.B.H.C.S. w/PATCH	4	0	812059*
	3/8" x 3 1/4" P.B.H.C.S. w/PATCH	0	8	812060*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076*
	3/8" LOCKWASHER	8	8	817334*
	3/8" FLAT WASHER	8	8	817410*
	3/8" T-NUT	4	0	804556*
	3/8" BARREL NUT	0	8	804804*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1.** Batteries supplied by others should be installed in water tight housing as per detail 544.

**STEP 2.** Jam Box 3933 panel shall be attached to mounting surface as per detail 541.

**STEP 3.** Jam Box 3932 panel shall be attached to HDPE Spacer rings per detail 542.

**STEP 4.** Jam Box 3932 should then be attached to mounting surface as per detail 543.

## **SPECIFICATIONS**

**JAM BOX PANEL:** The Jam Box panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within water tight low density polyethylene housing.

**HDPE SPACER RINGS:** The HDPE spacer rings shall be fabricated from 3/4" high density polyethylene

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

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

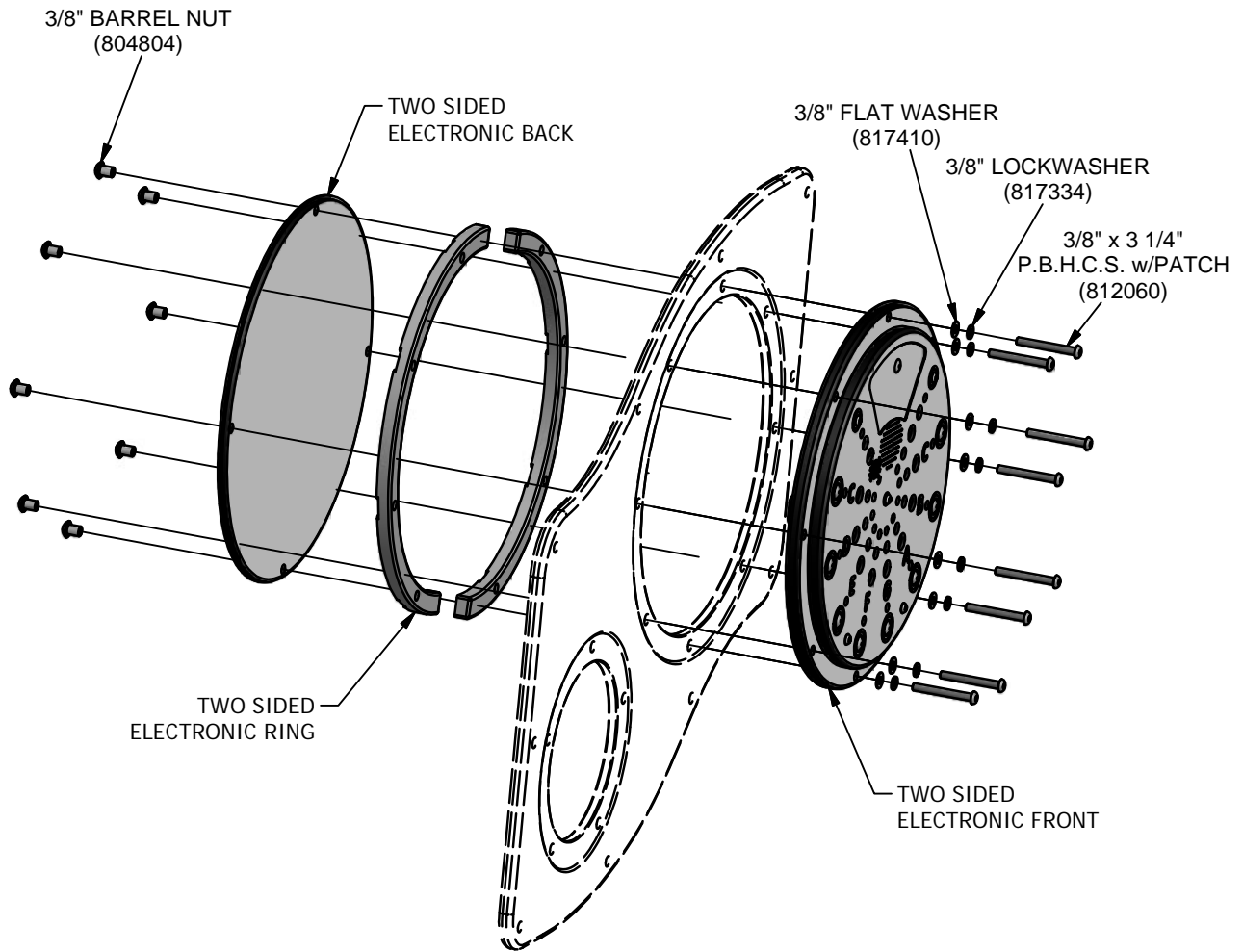
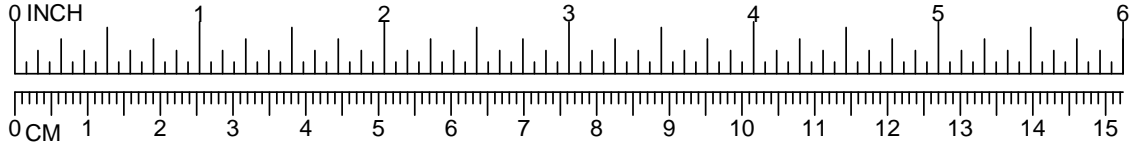
## DETAILS -for- 3932 AND 3933

**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.



541



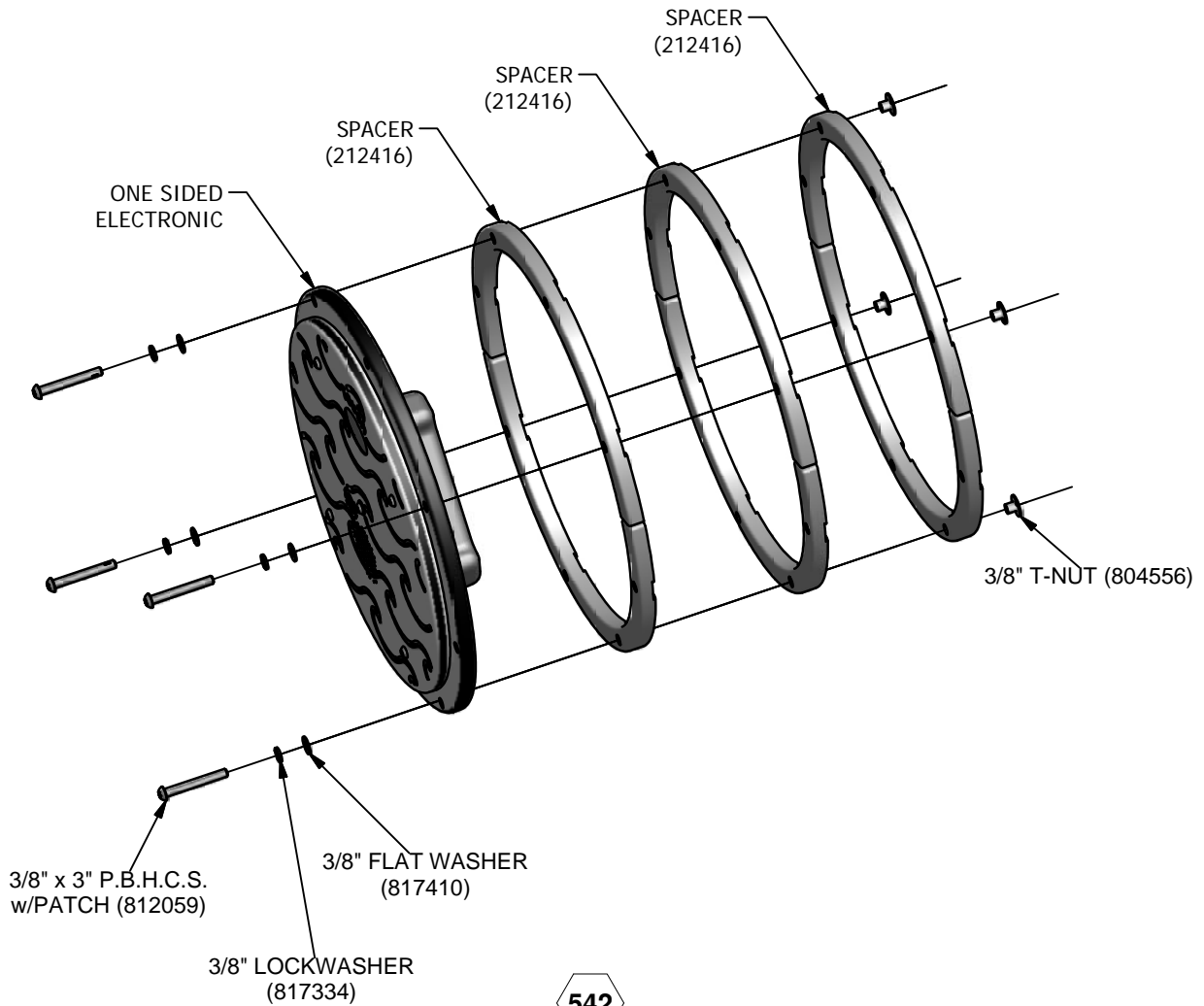
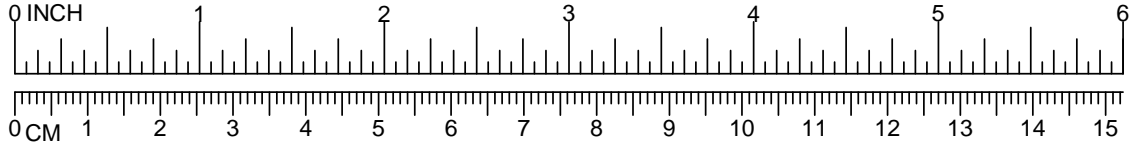
# DETAILS -for- 3932 AND 3933

## 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.



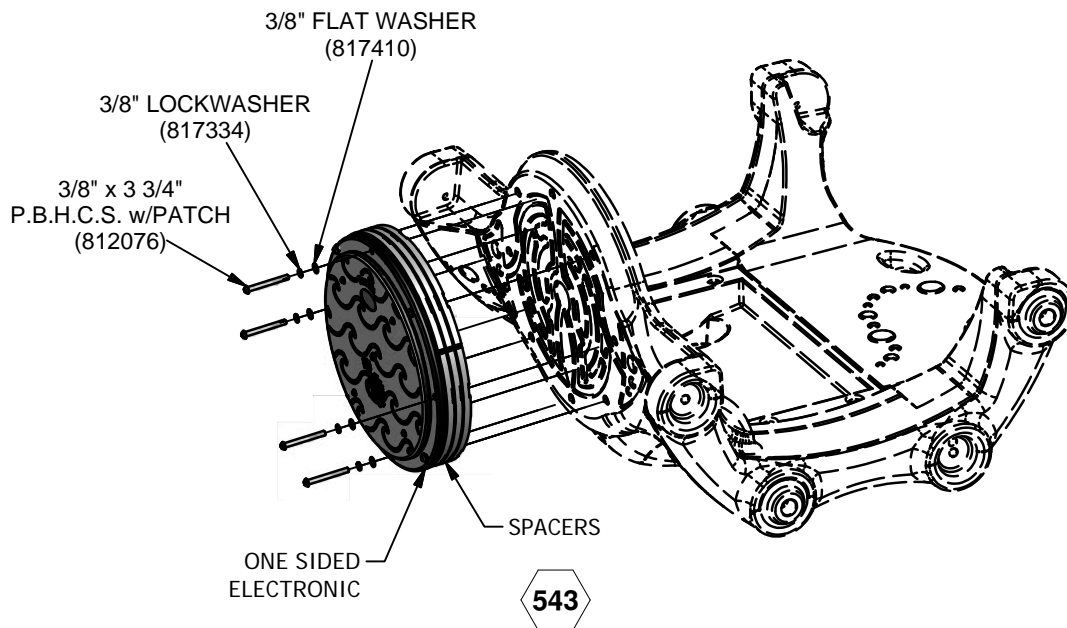
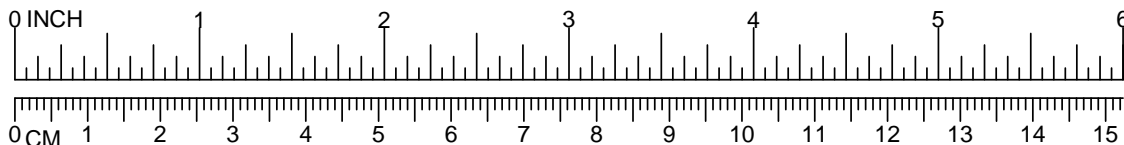
## DETAILS -for- 3932 AND 3933

### 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.

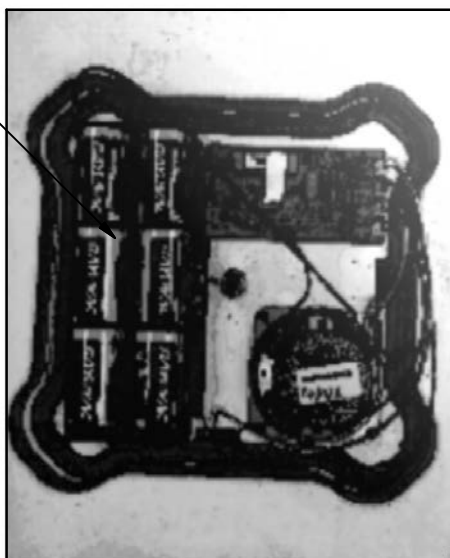
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



543

BATTERY REPLACEMENT  
(6) D-CELL BATTERIES



TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOLL PROVIDED.

PLEASE CONSIDER OUR ENVIROMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.

544







A PLAYCORE Company

1-800-235-2440

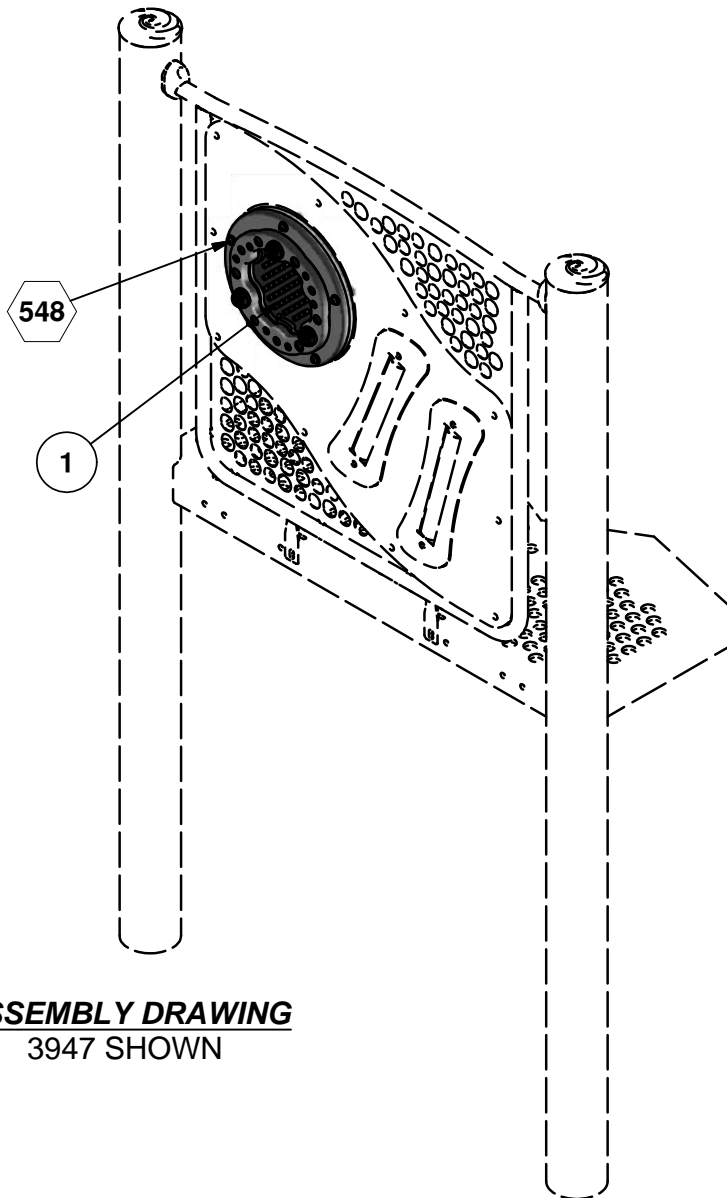
3947

# PACHINKO

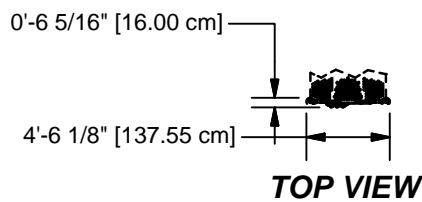
ISSUED/REVISED: 10/3/2016

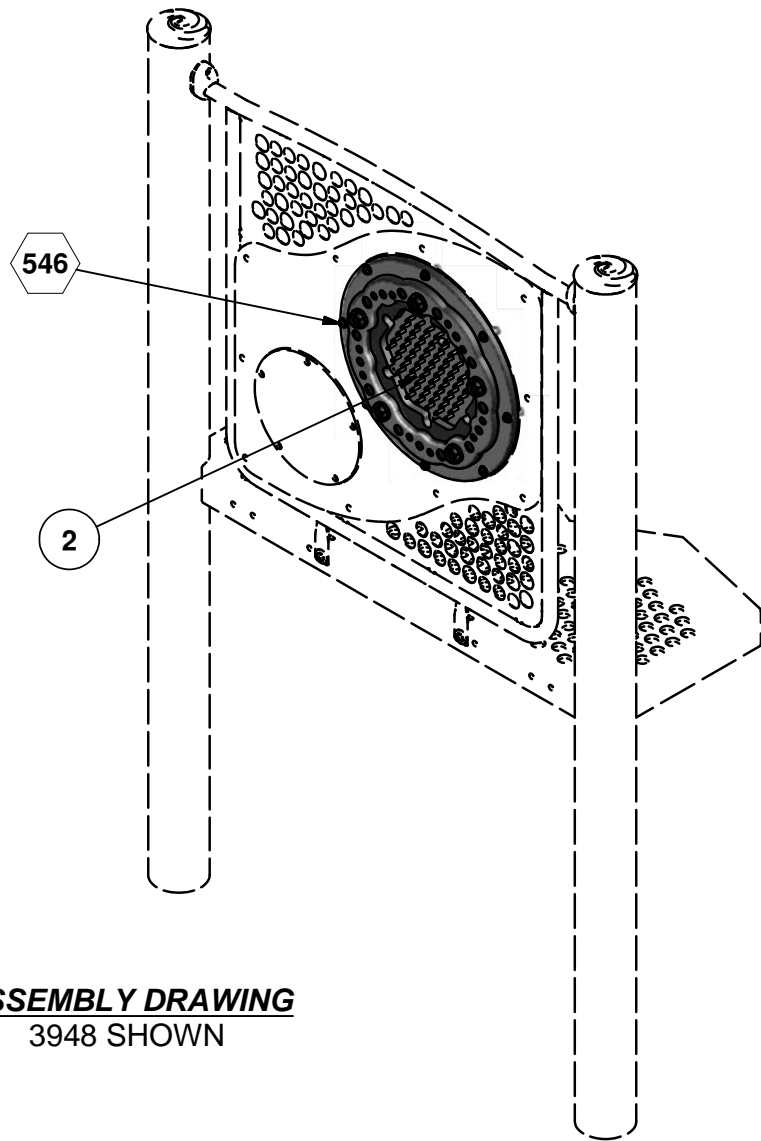
-  = INSTALLATION
-  = PARTS LIST
-  = DETAIL
-  = REFERENCE

12" ONE SIDED	3947
20" TWO SIDED	3948
20" ONE SIDED	3949

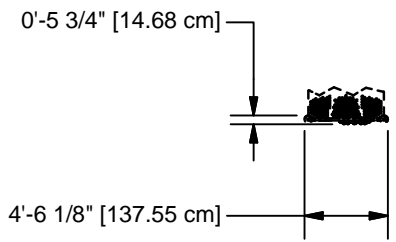


**ASSEMBLY DRAWING**  
3947 SHOWN

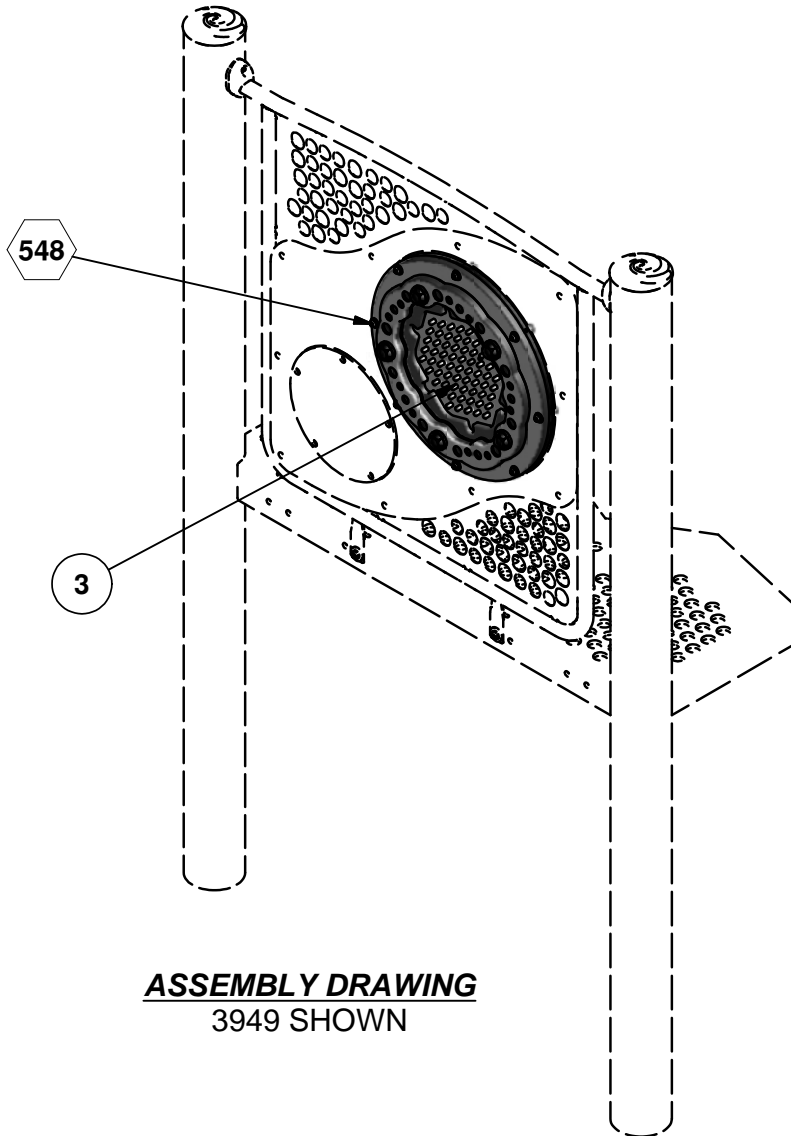




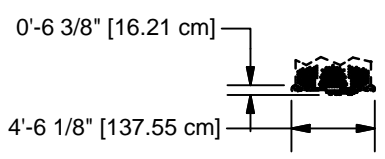
**ASSEMBLY DRAWING**  
3948 SHOWN



**TOP VIEW**



**ASSEMBLY DRAWING**  
3949 SHOWN



**TOP VIEW**

Parts List					
REF.	DESCRIPTION	3947	3948	3949	PART NUMBER
1	12" PACHINKO PANEL ONE SIDED	1	0	0	212476
2	20" PACHINKO PANEL TWO SIDED	0	1	0	212477
3	20" PACHINKO PANEL ONE SIDED	0	0	1	212478
	<b>HARDWARE COMPLETE</b>	1	0	0	212479
	<b>HARDWARE COMPLETE</b>	0	1	0	212475
	<b>HARDWARE COMPLETE</b>	0	0	1	212472
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	8	0	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	0	8	812054*
	3/8" BARREL NUT	5	8	8	804804*
	3/8" FLAT WASHER	5	8	8	817410*
	3/8" LOCKWASHER	5	8	8	817334*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Pachinko 3947 & 3949 per detail 548.

**STEP 2:** Attach Pachinko 3948 per detail 546.

## **SPECIFICATIONS**

**PACHINKO:** The Pachinko shall be fabricated from 1/2" high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

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

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to 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.



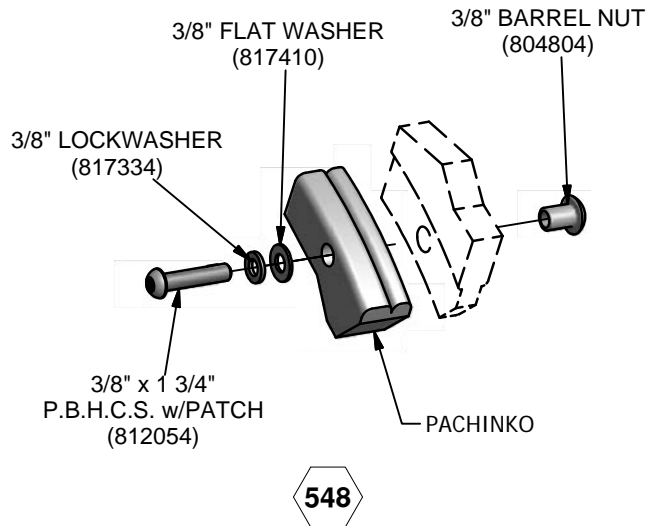
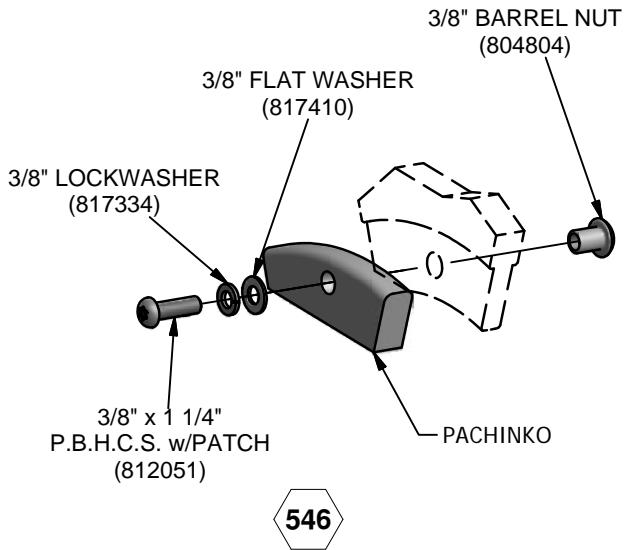
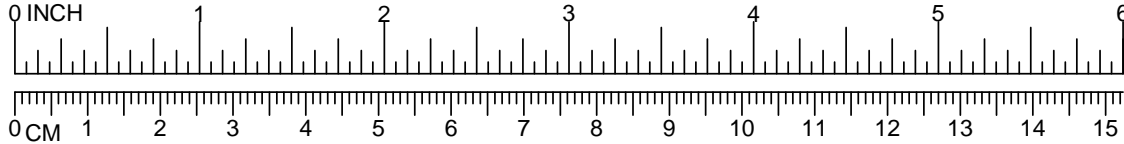
## DETAILS -for- 3947, 3948 & 3949

### 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.



primetime<sup>®</sup>

19717



**GameTime**<sup>®</sup>

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1-800-235-2440

# SENSORY WAVE CLIMBER UP & ON LINK

ISSUED/REVISED: 1/09/17

-  = INSTALLATION
-  = PARTS LIST REFERENCE

3'-0" - 3'-6"	19717
4'-0" - 4'-6"	19718
5'-0" - 5'-6"	19719
6'-0"	19720

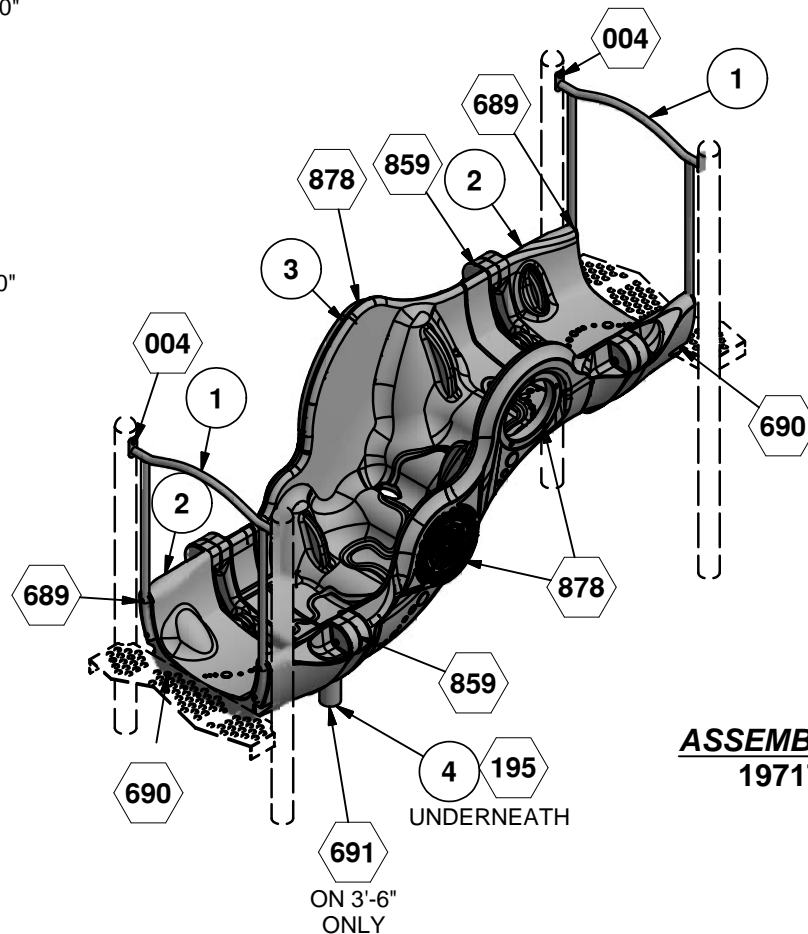
SENSORY WAVE CLIMBER UP & ON LINK BRONZE	4668
SENSORY WAVE CLIMBER UP & ON LINK SILVER	4669
SENSORY WAVE CLIMBER UP & ON LINK	4670



UP TO 4'-0"



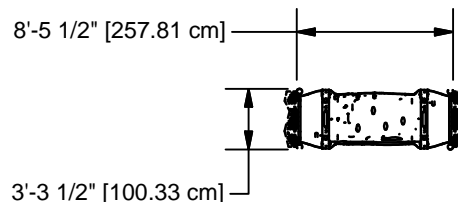
UP TO 6'-0"



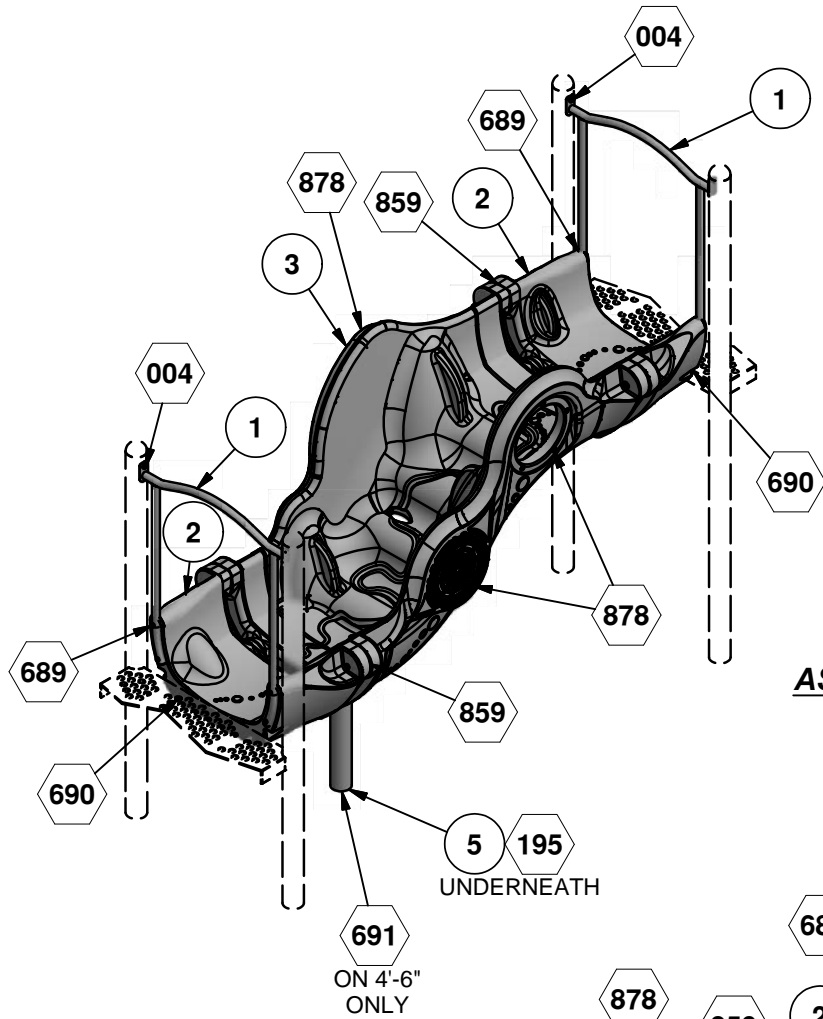
**ASSEMBLY DRAWING  
19717 SHOWN**

## INSTALLATION INSTRUCTIONS

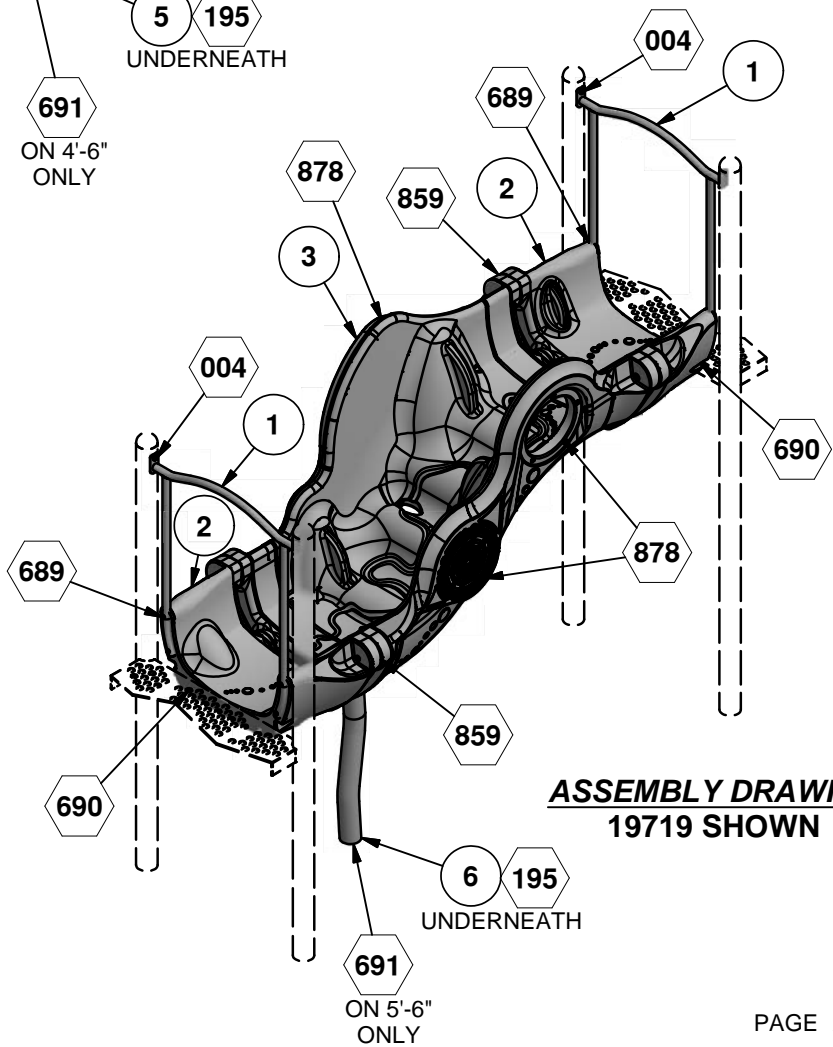
1. Before assembling this equipment read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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



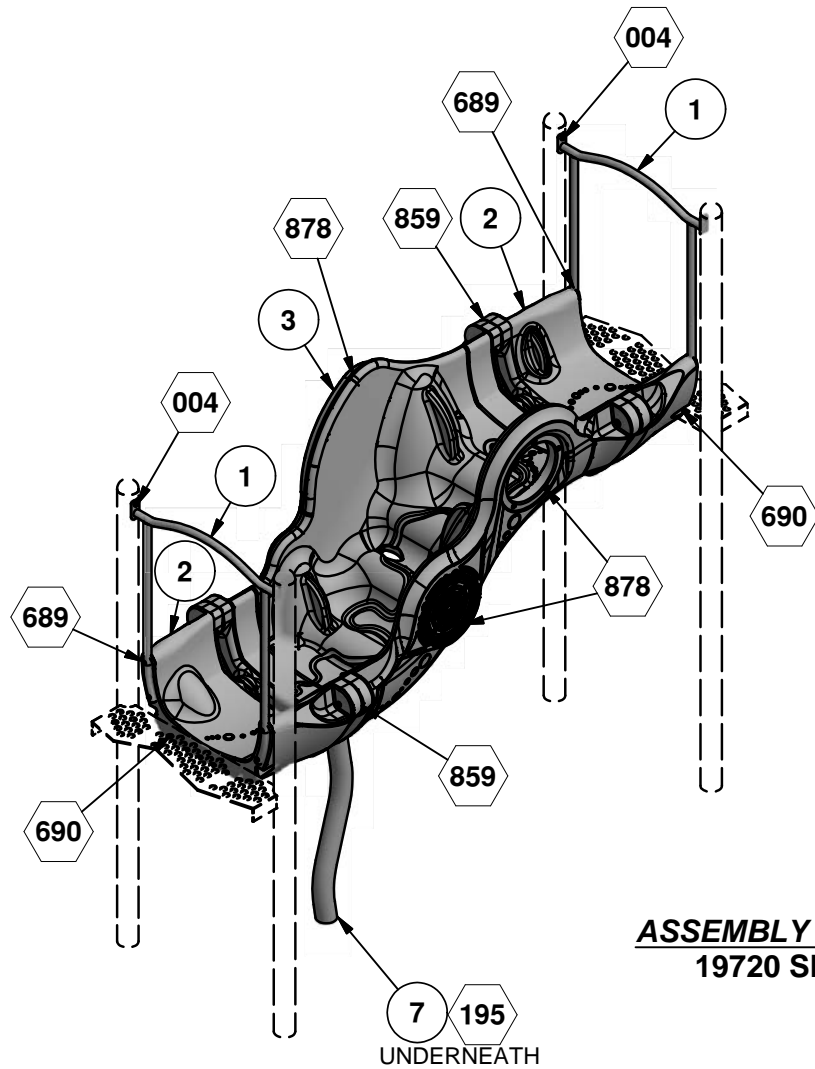
**TOP VIEW**



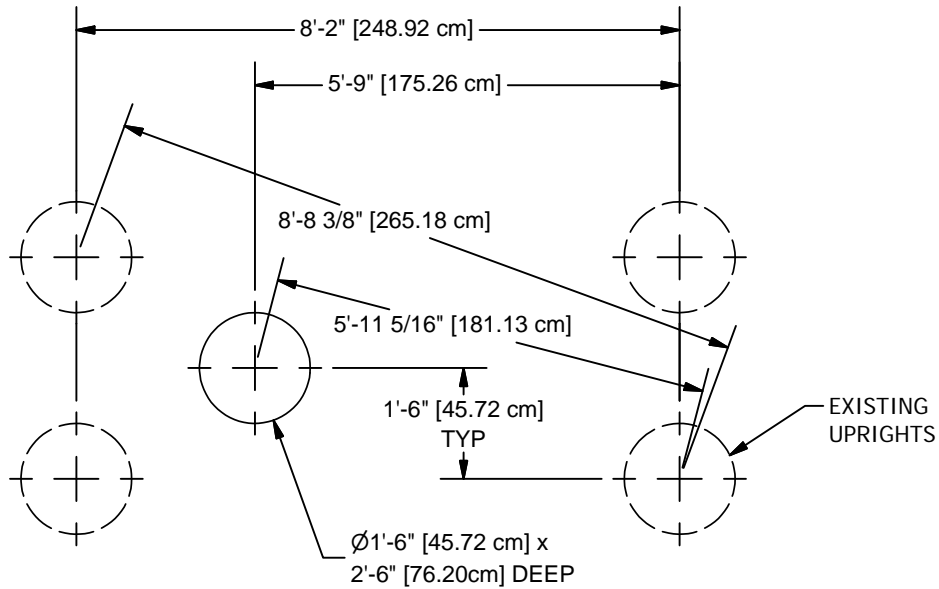
**ASSEMBLY DRAWING  
19718 SHOWN**



**ASSEMBLY DRAWING  
19719 SHOWN**



**ASSEMBLY DRAWING**  
**19720 SHOWN**



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

**GROUND PLAN**

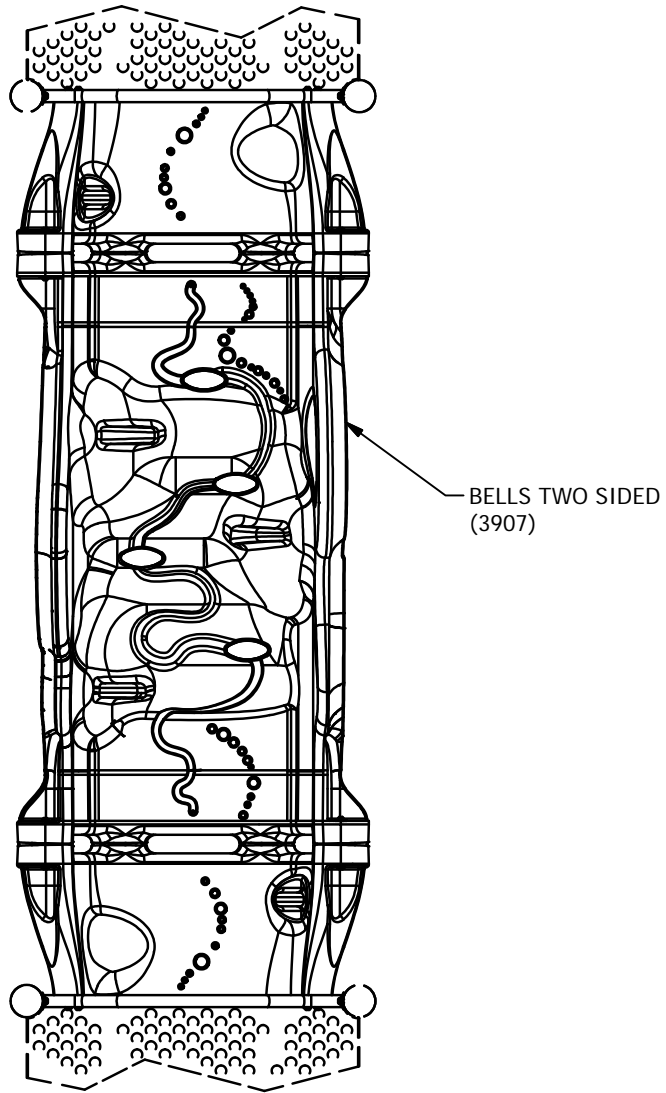
**CONCRETE REQUIRED**  
 .20 CUBIC YARDS  
 .15 CUBIC METERS

Parts List						
REF.	DESCRIPTION	19717	19718	19719	19720	PART NUMBER
1	DECK CONNECTOR WELD ASS'Y	2	2	2	2	211798
2	WAVE DECK COUPLER	2	2	2	2	211614
3	WAVE ARCH	1	1	1	1	211610
4	FOOTBUCK WELD ASS'Y	1	0	0	0	211712
5	FOOTBUCK WELD ASS'Y	0	1	0	0	211823
6	FOOTBUCK WELD ASS'Y	0	0	1	0	211779
7	FOOTBUCK WELD ASS'Y	0	0	0	1	211826
	<b>HARDWARE COMPLETE</b>	1	1	1	0	211828
	<b>HARDWARE COMPLETE</b>	0	0	0	1	211829
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812052*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	811051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	4	4	4	4	812054*
	3/8" x 2" B.H.C.S.	8	8	8	8	811055*
	3/8" x 4" HEX HEAD BOLT	1	1	1	0	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	8	8	8	8	812078*
	3/8" FLAT WASHER	3	3	3	2	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	12	12	12	12	817424*
	3/8" BARREL NUT	8	8	8	8	804804*
	3/8" LOCKWASHER	26	26	26	26	817334*
	3/8" HEX NUT	1	1	1	0	804053*
	EXTENSION PIPE	1	1	1	0	211801*
	DOMED PLUG	18	18	18	18	818379*

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

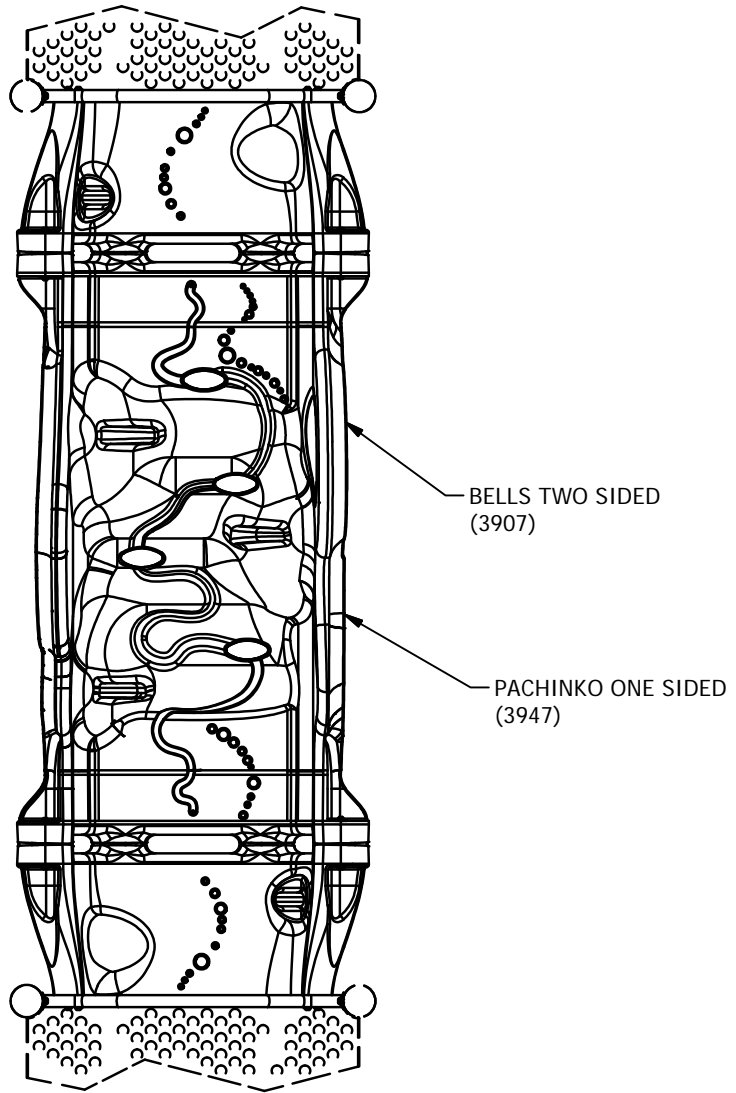
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.**

**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete. PAGE 4**  
**Note: Loctite (supplied by others) should be used on any non-patch hardware.**



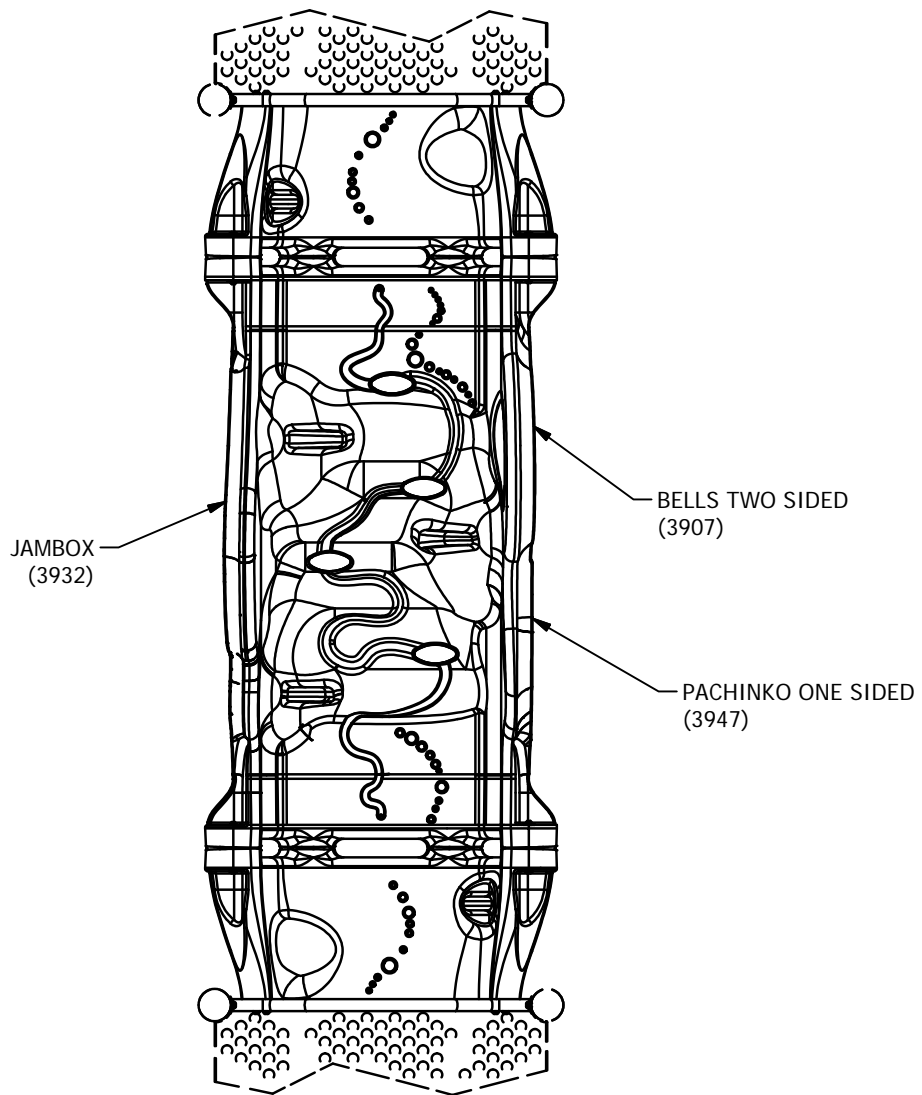
**BRONZE PACKAGE SHOWN**

4668



**SILVER PACKAGE SHOWN**

4669



**GOLD PACKAGE SHOWN**  
4670



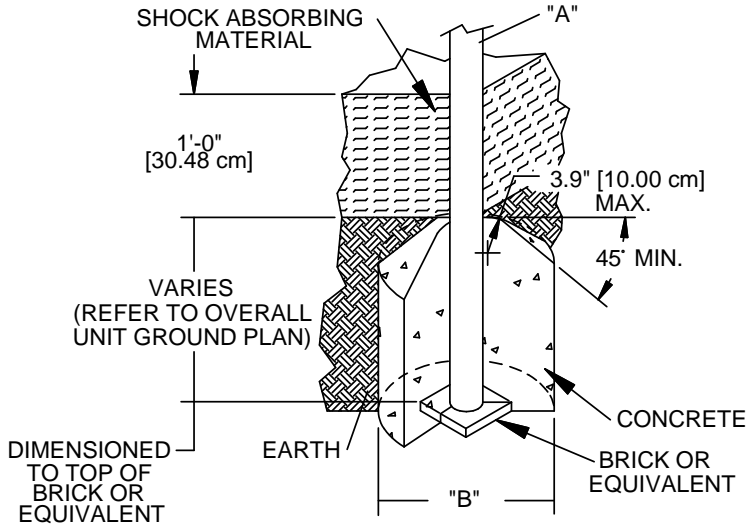
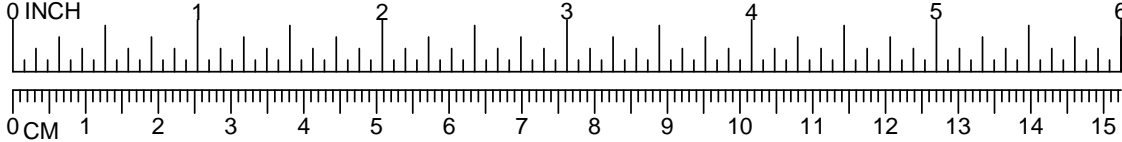
## DETAILS -for- 19717, 19718, 19719 & 19720

### IMPORTANT

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

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

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



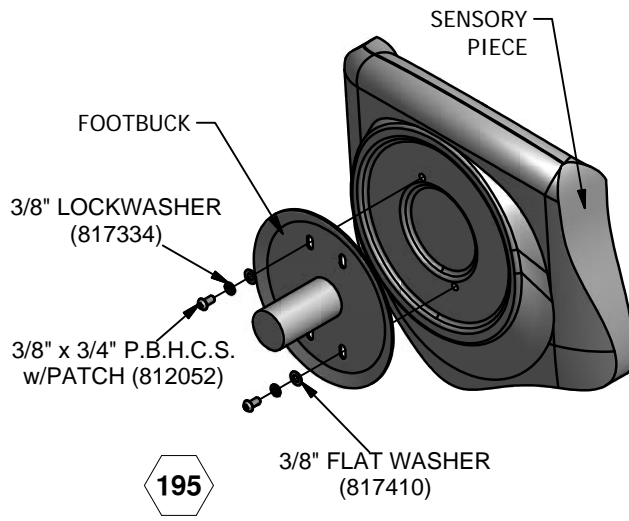
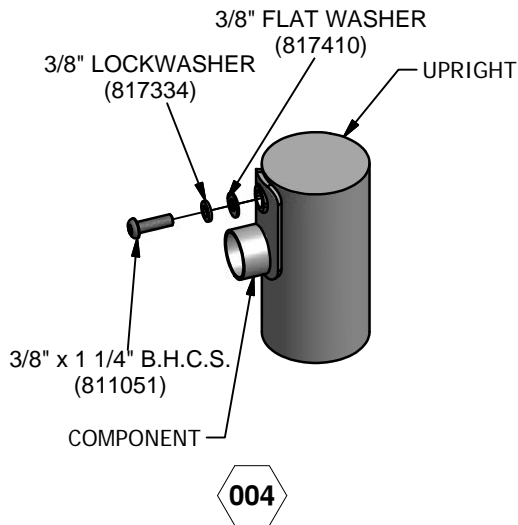
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

#### NOTES:

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



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



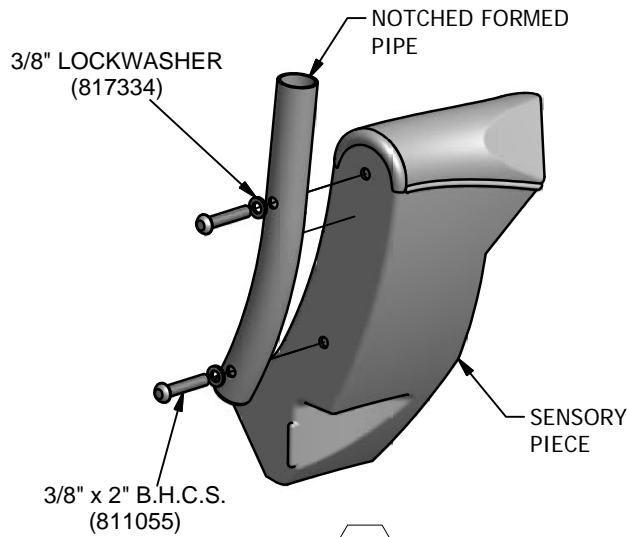
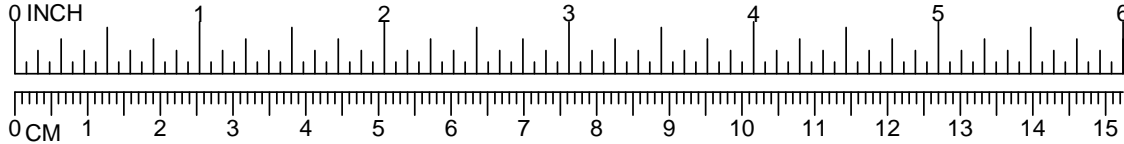
## DETAILS -for- 19717, 19718, 19719 & 19720

**IMPORTANT**

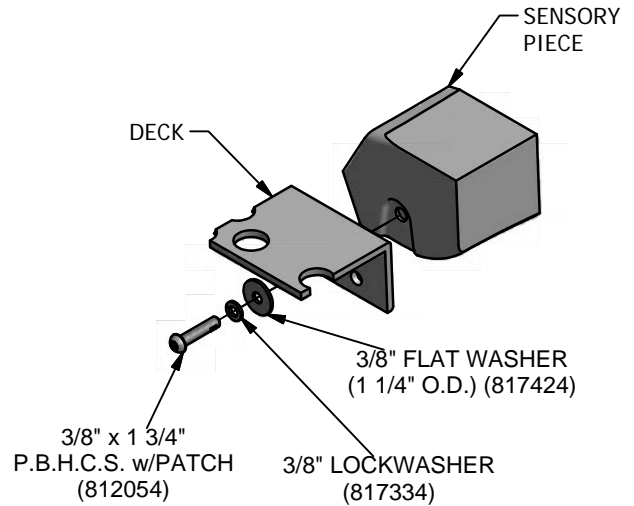
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

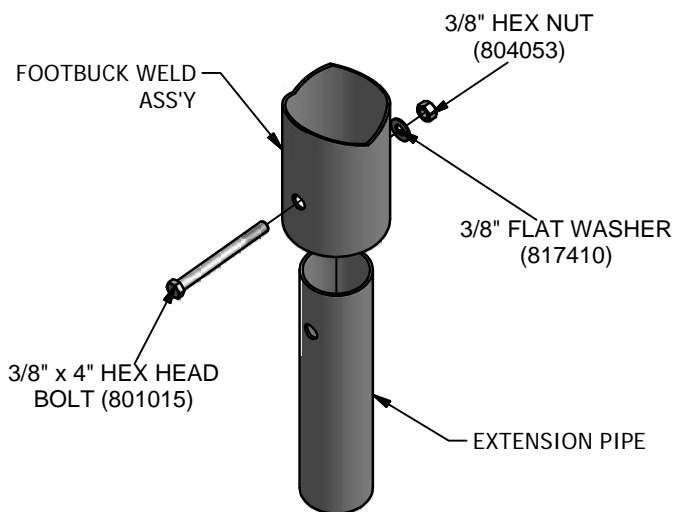
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



689



690



691

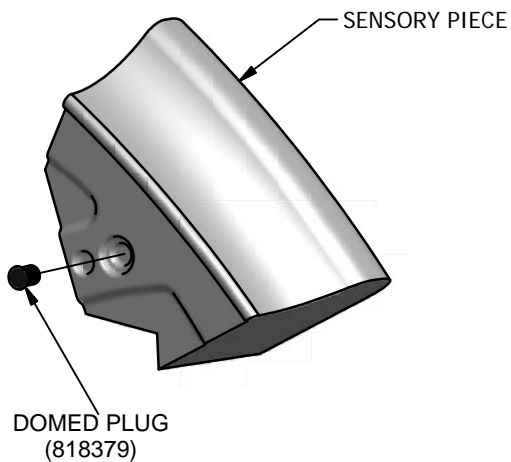
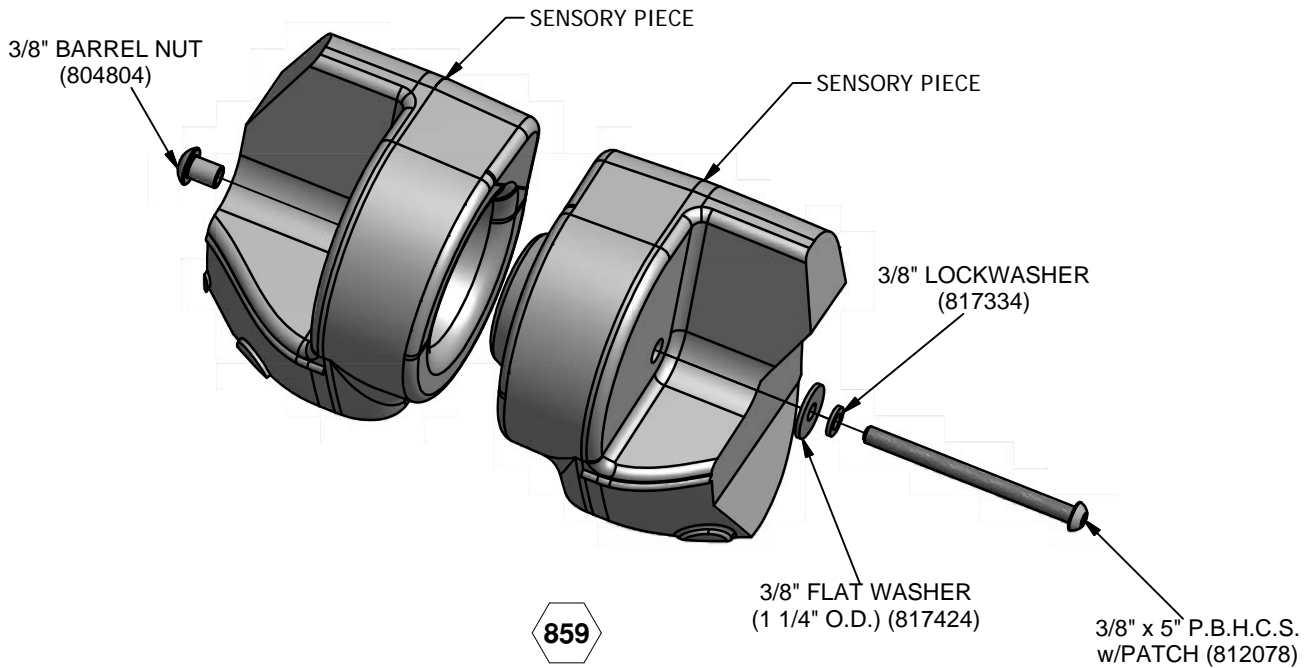
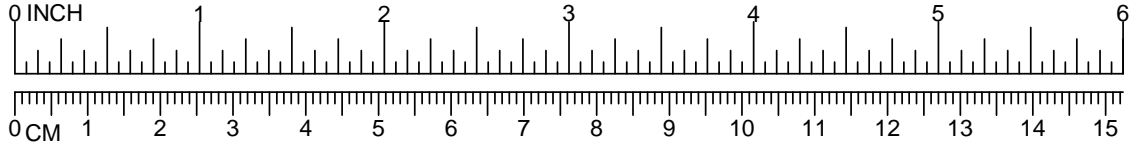
# DETAILS -for- 19717, 19718, 19719 & 19720

## IMPORTANT

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

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

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







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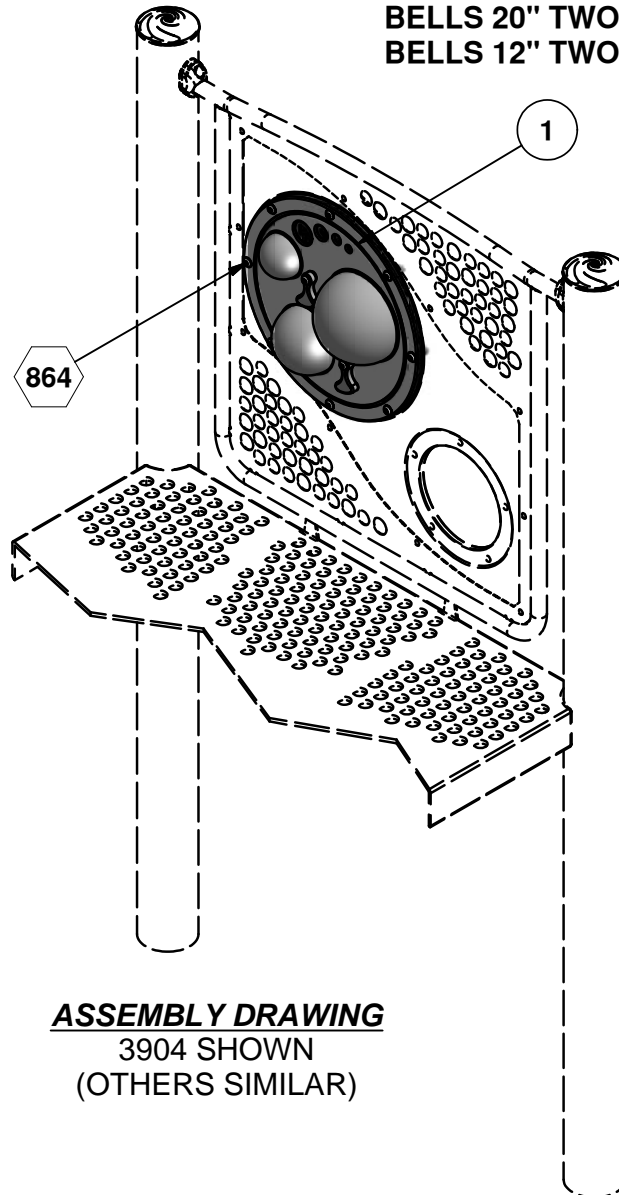
3904

BELLS

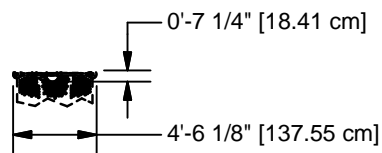
ISSUED/REVISED: 1/9/2017

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

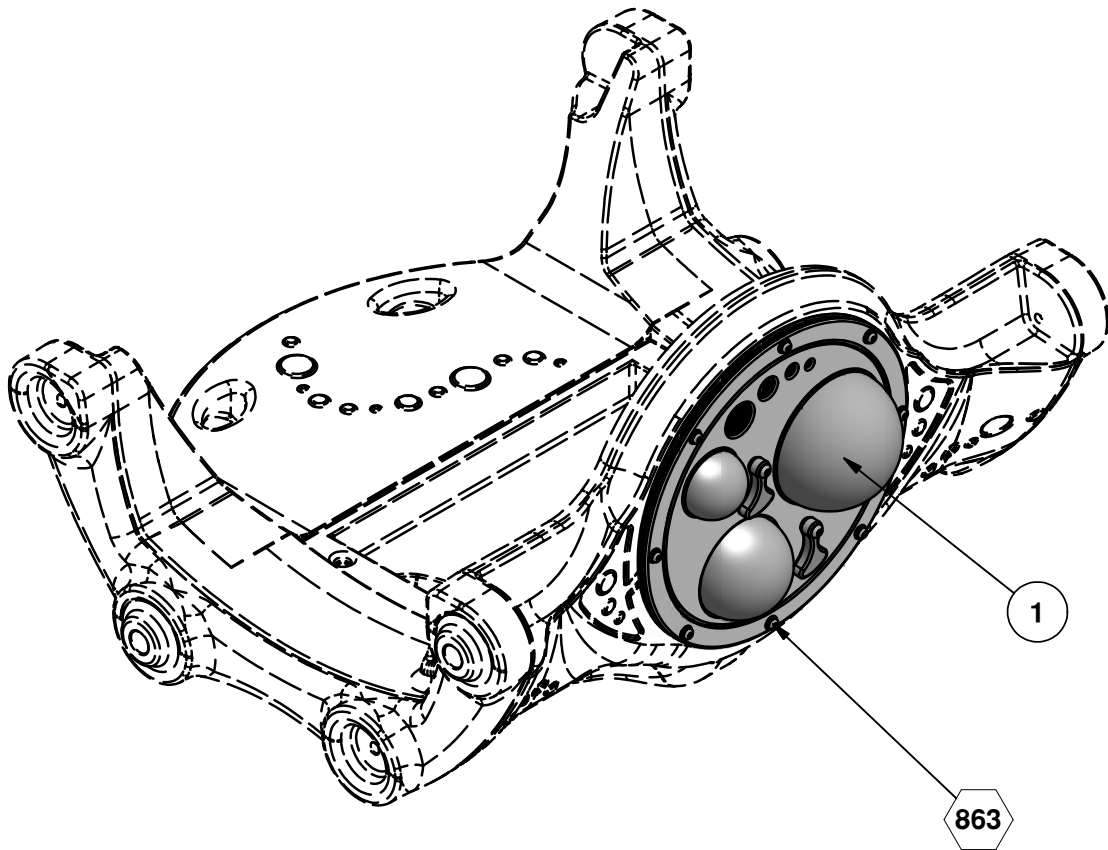
BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907



**ASSEMBLY DRAWING**  
 3904 SHOWN  
 (OTHERS SIMILAR)



**TOP VIEW**



**3904 ROTOMOLD APPLICATION**

Parts List						
REF.	DESCRIPTION	3904	3905	3906	3907	PART NUMBER
1	20" BELL ASS'Y ONE SIDED	1	0	0	0	212168
2	12" BELL ONE SIDED	0	1	0	0	212186
3	20" BELL TWO SIDED	0	0	1	0	212183
4	12" BELL TWO SIDED	0	0	0	1	212188
	<b>HARDWARE COMPLETE</b>	1	0	1	0	212190
	<b>HARDWARE COMPLETE</b>	0	1	0	1	212191
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
	3/8" BARREL NUT	8	5	8	5	804804*
	3/8" FLAT WASHER	8	5	8	5	817410*
	3/8" LOCKWASHER	8	5	8	5	817334*

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Bells 3904, 3905, 3906 and 3907 per detail 864. When used on rotomold application, attach Bells 3904 and 3905 per detail 863.

## **SPECIFICATIONS**

**BELL:** Bells shall be all weld assemblies fabricated from formed 11 Ga. Steel, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and purchases machined stainless steel insert. The Bell weld assemblies shall be coated in TGIC polyester powder coating as specified herein.

**BELL PANEL:** The bell panel shall be fabricated from 3/4" high density polyethylene.

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

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

**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.



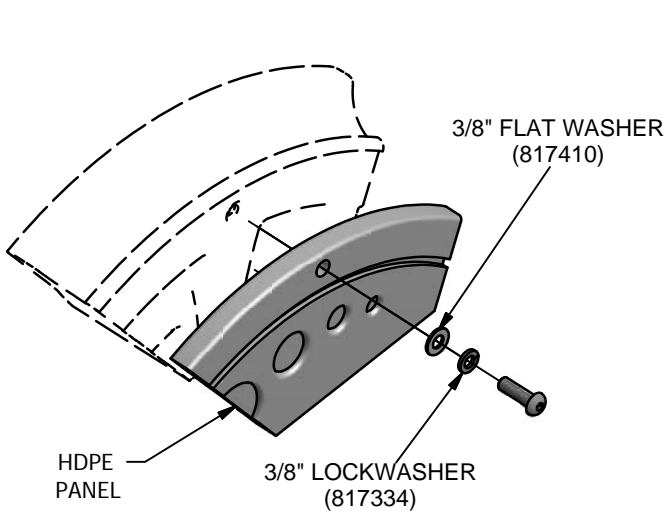
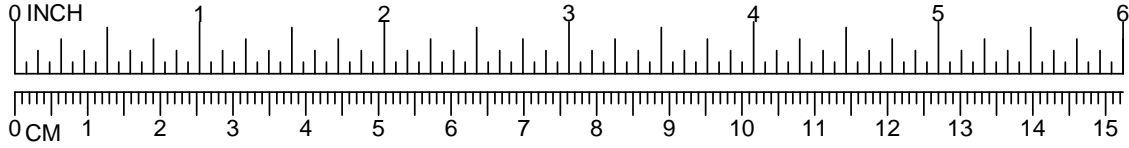
# DETAILS -for- 3904, 3905, 3906 & 3907

**IMPORTANT**

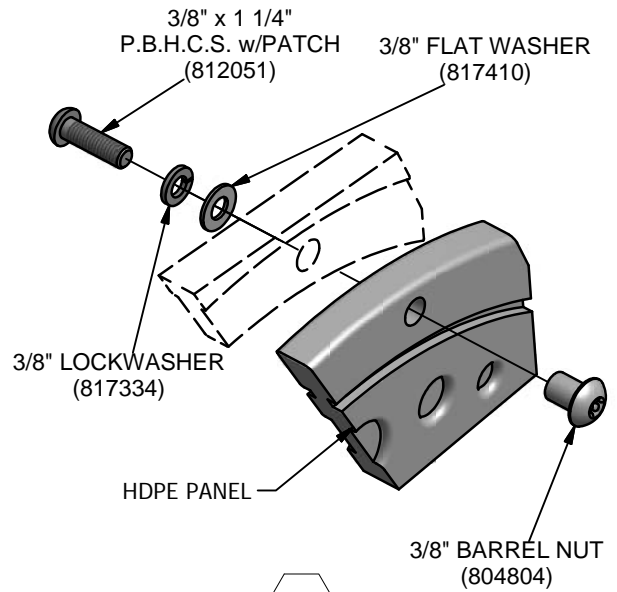
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



**863**



**864**





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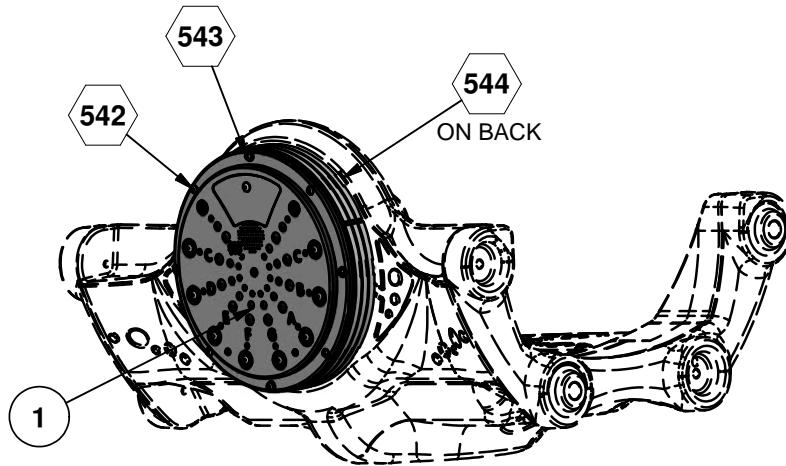
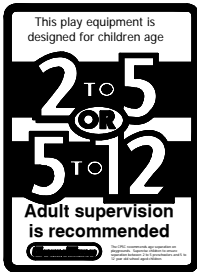
3932

# JAM BOX

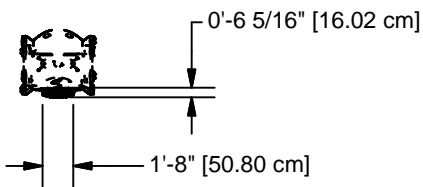
ISSUED/REVISED: 1/9/2017

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

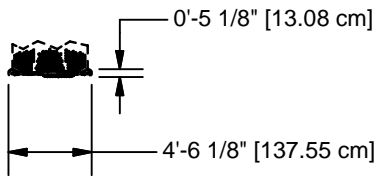
JAM BOX	3932
JAM BOX TWO SIDED	3933



**ASSEMBLY DRAWING**  
3932 SHOWN

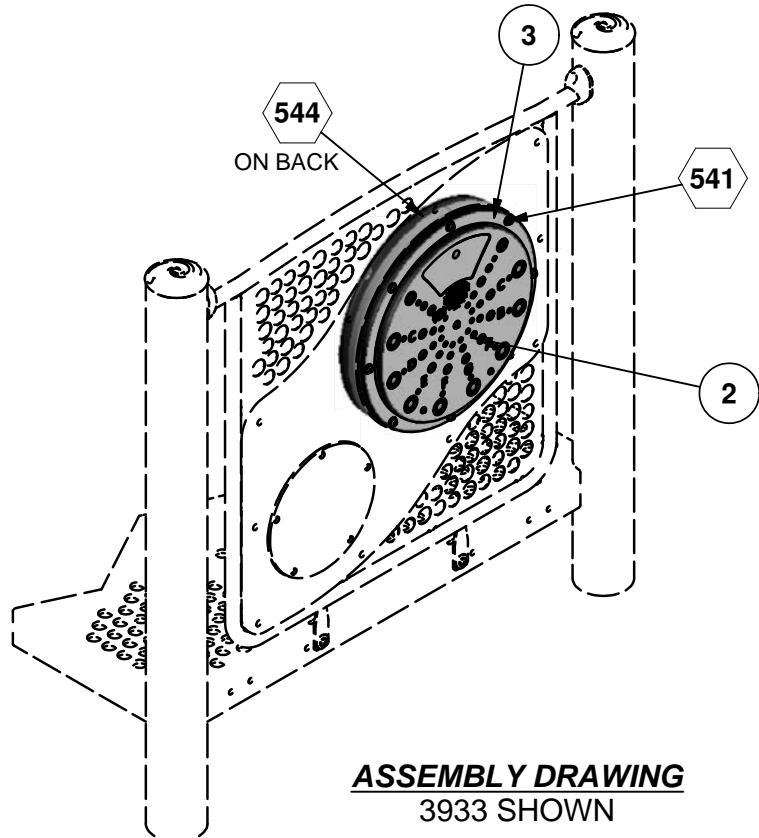


3932



3933

**TOP VIEW**



**ASSEMBLY DRAWING**  
3933 SHOWN



## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

Parts List				
REF	DESCRIPTION	3932	3933	PART NUMBER
1	JAM BOX ONE SIDED	1	0	212428
2	JAM BOX TWO SIDED	0	1	212417
3	SPACER	6	0	212416
	<b>HARDWARE COMPLETE</b>	1	0	212436
	<b>HARDWARE COMPLETE</b>	0	1	212437
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	0	4	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	0	4	812058*
	3/8" x 3" P.B.H.C.S. w/PATCH	4	0	812059*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076*
	3/8" LOCKWASHER	8	8	817334*
	3/8" FLAT WASHER	8	8	817410*
	3/8" T-NUT	4	0	804556*
	3/8" BARREL NUT	0	8	804804*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1.** Batteries supplied by others should be installed in water tight housing as per detail 544.

**STEP 2.** Jam Box 3933 panel shall be attached to mounting surface as per detail 541.

**STEP 3.** Jam Box 3932 panel shall be attached to HDPE Spacer rings per detail 542.

**STEP 4.** Jam Box 3932 should then be attached to mounting surface as per detail 543.

## **SPECIFICATIONS**

**JAM BOX PANEL:** The Jam Box panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within water tight low density polyethylene housing.

**HDPE SPACER RINGS:** The HDPE spacer rings shall be fabricated from 3/4" high density polyethylene

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

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

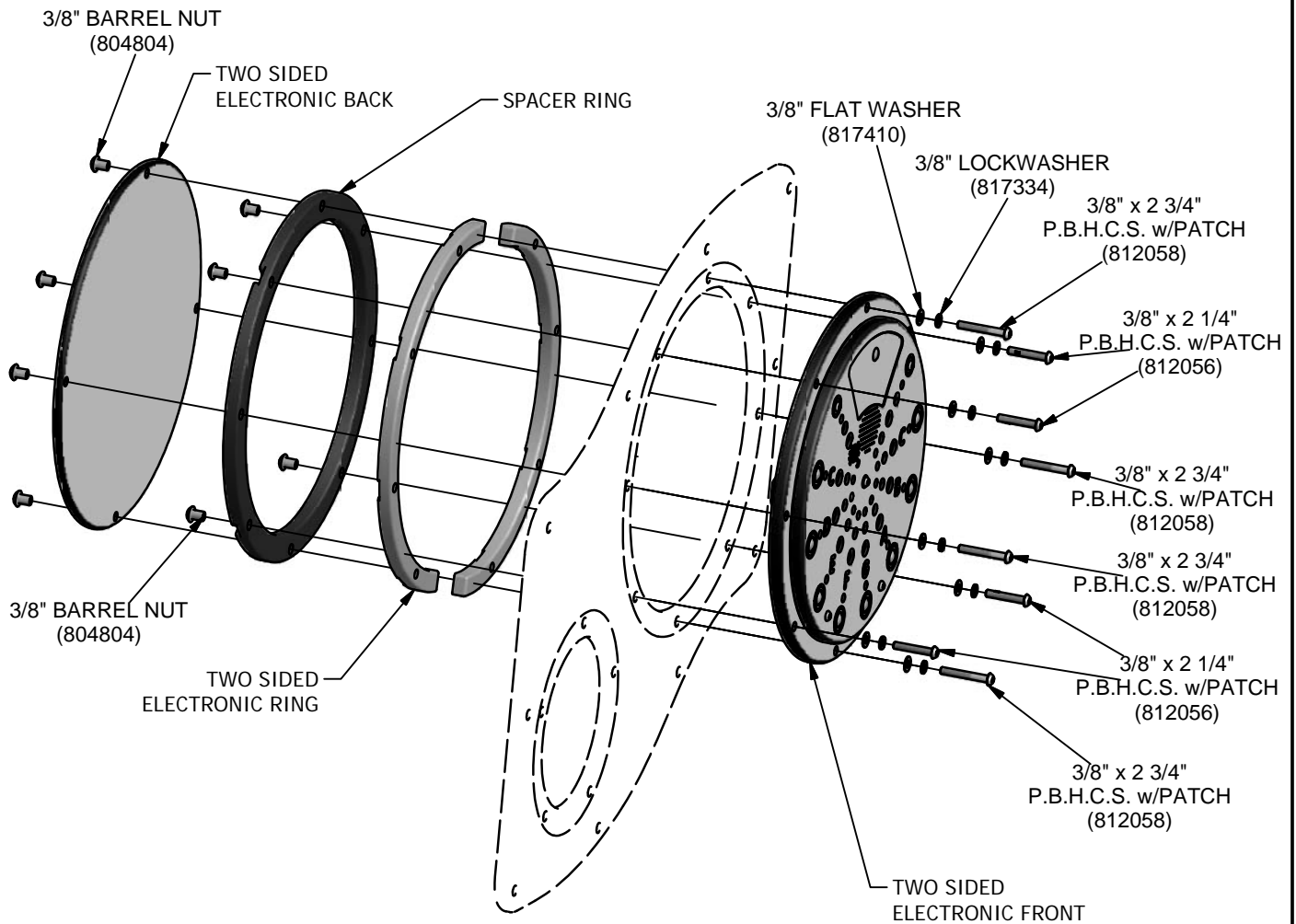
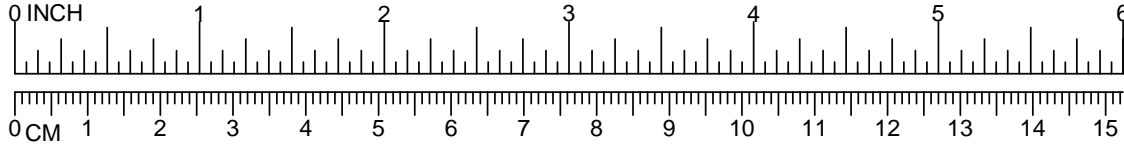
# DETAILS -for- 3932 AND 3933

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.



541

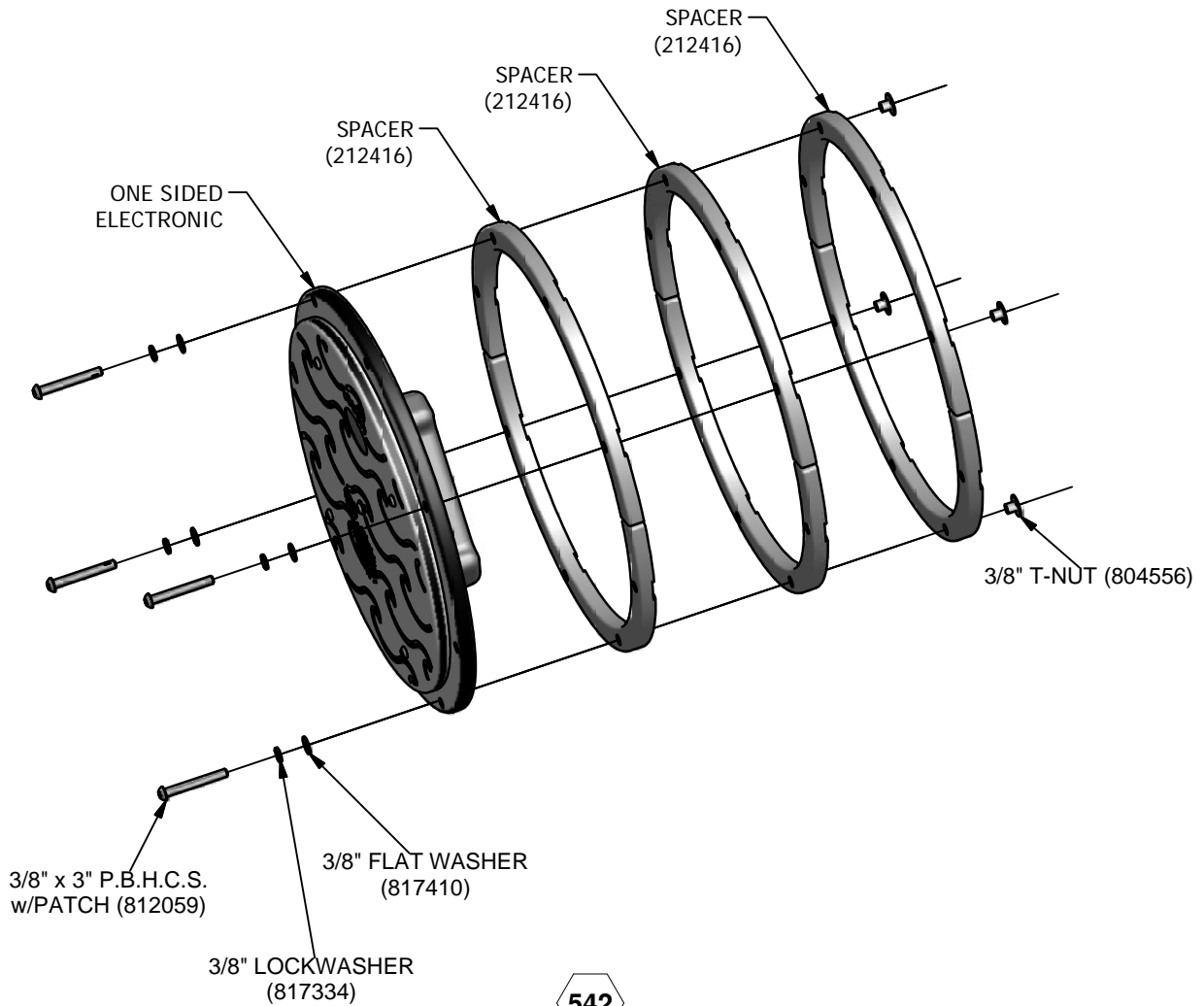
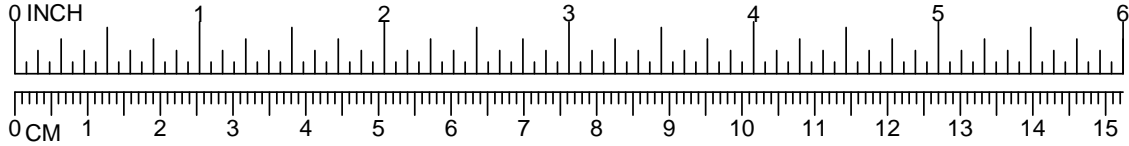
# DETAILS -for- 3932 AND 3933

## IMPORTANT

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

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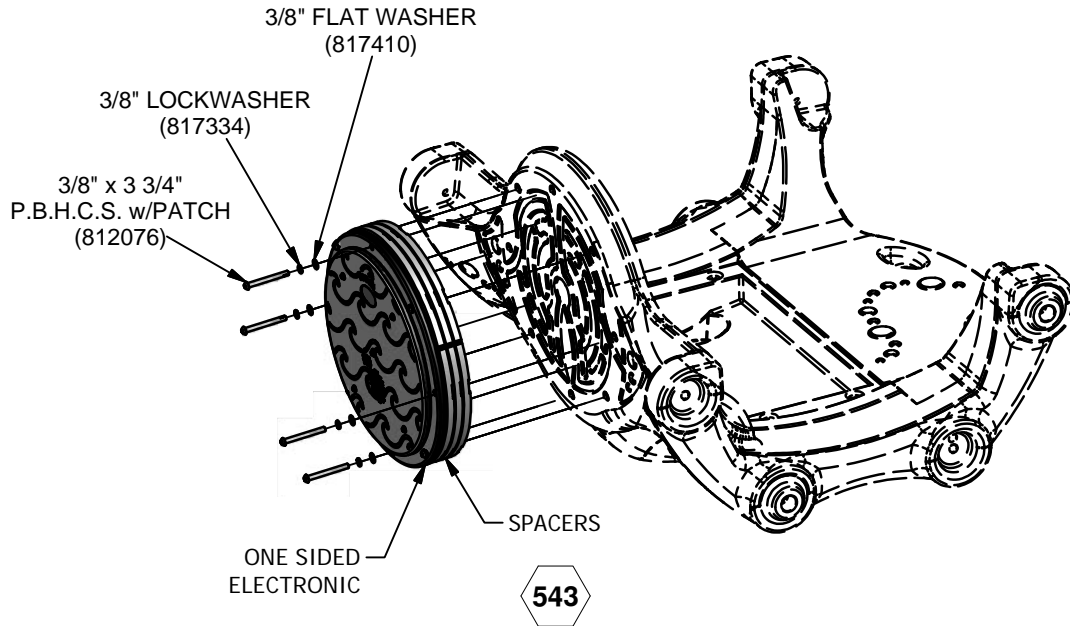
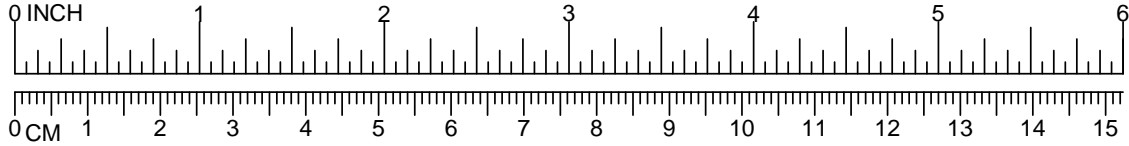
## DETAILS -for- 3932 AND 3933

**IMPORTANT**

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

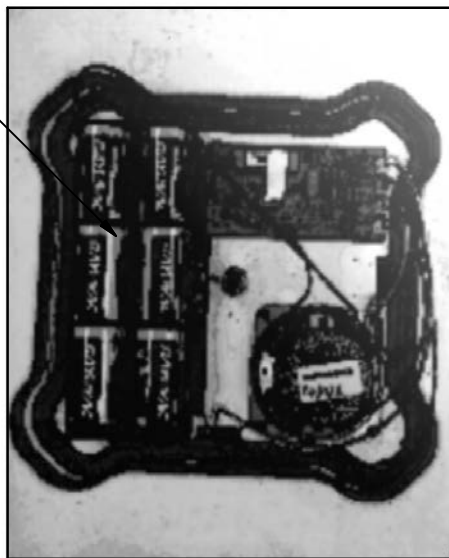
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NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



543

BATTERY REPLACEMENT  
(6) D-CELL BATTERIES



TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOLL PROVIDED.

PLEASE CONSIDER OUR ENVIROMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.

544







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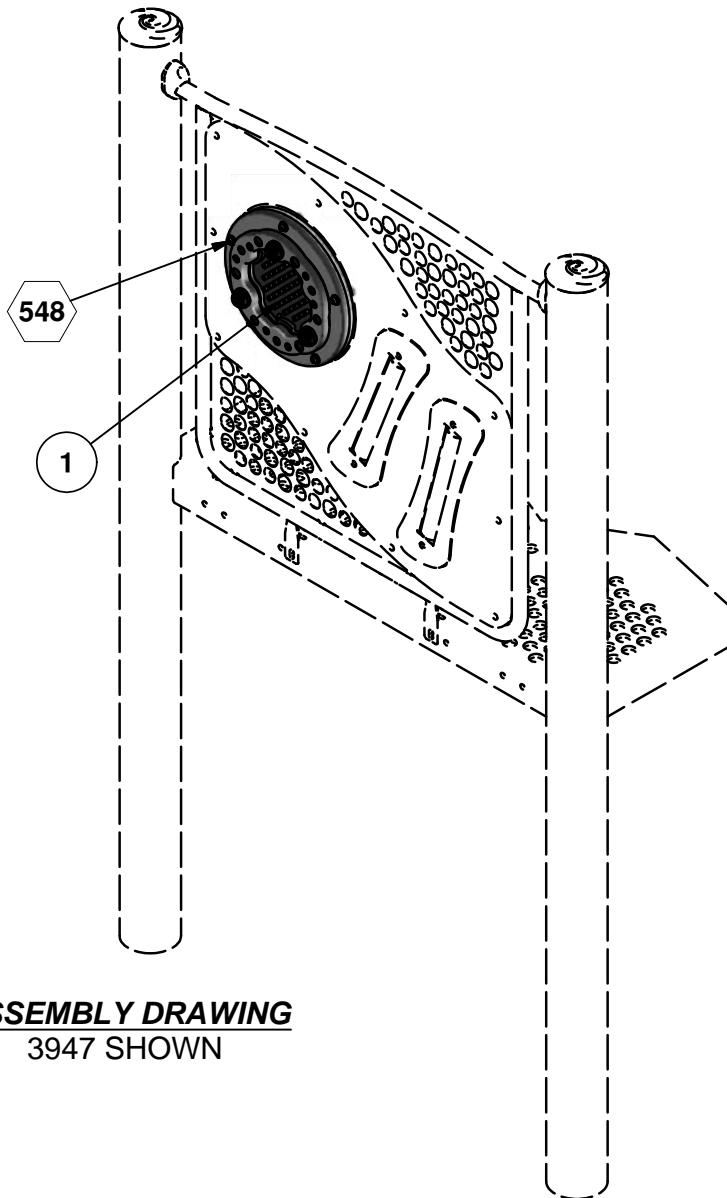
3947

# PACHINKO

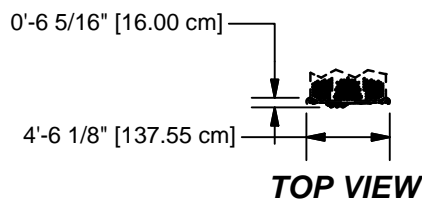
ISSUED/REVISED: 1/9/2017

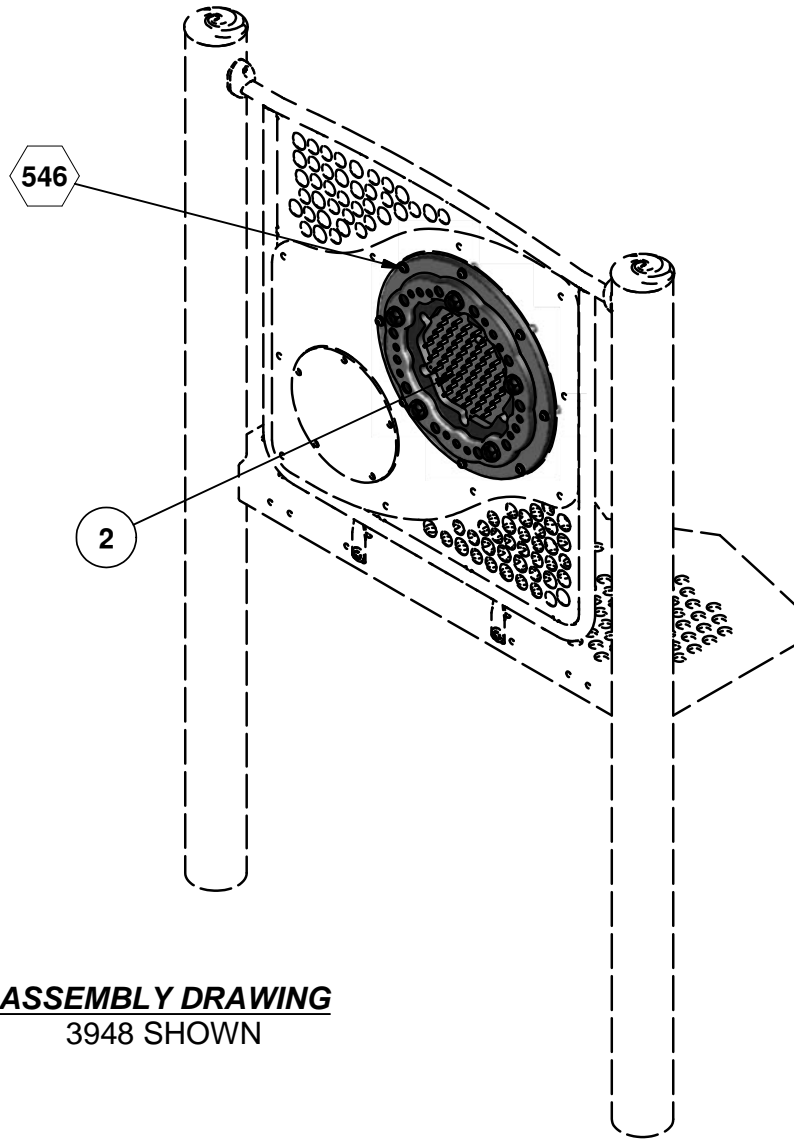
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

12" ONE SIDED	3947
20" TWO SIDED	3948
20" ONE SIDED	3949

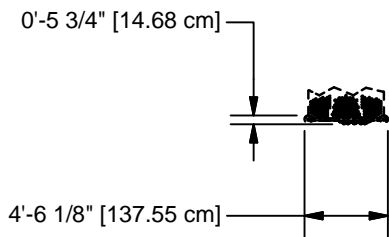


**ASSEMBLY DRAWING**  
3947 SHOWN

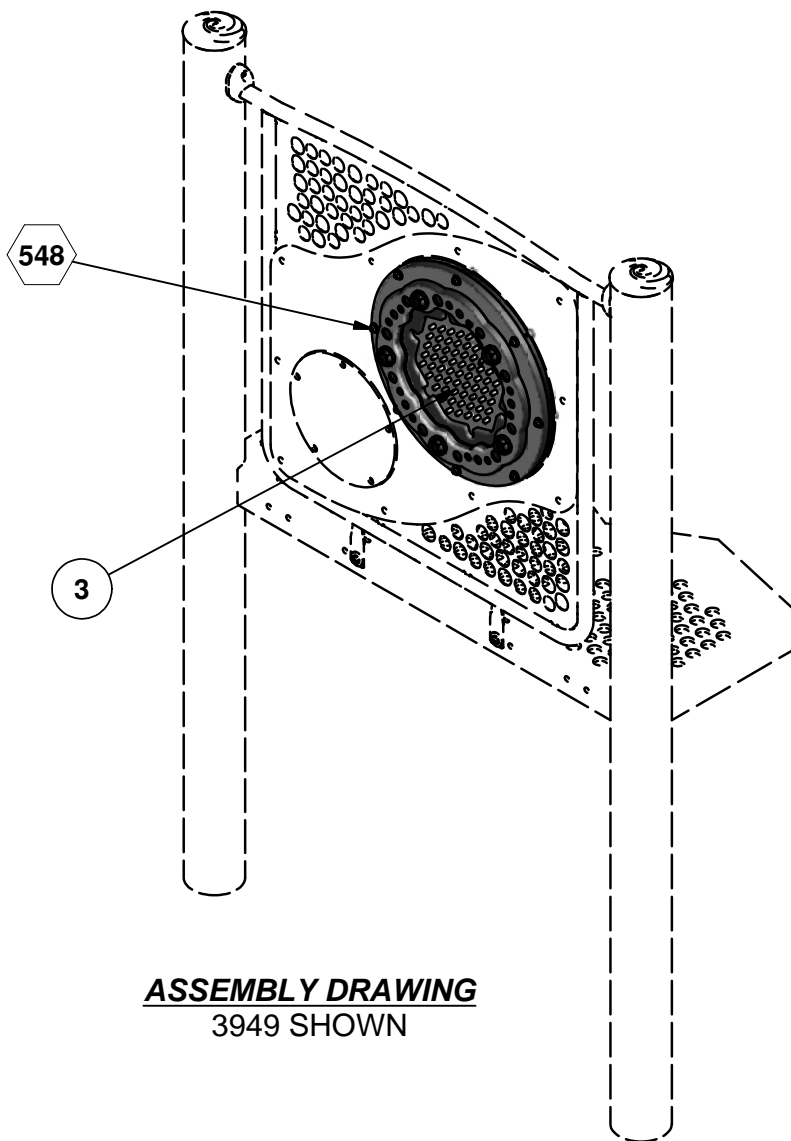




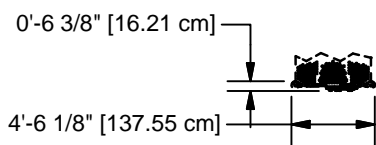
**ASSEMBLY DRAWING**  
3948 SHOWN



**TOP VIEW**



**ASSEMBLY DRAWING**  
3949 SHOWN



**TOP VIEW**

Parts List					
REF.	DESCRIPTION	3947	3948	3949	PART NUMBER
1	12" PACHINKO PANEL ONE SIDED	1	0	0	212476
2	20" PACHINKO PANEL TWO SIDED	0	1	0	212477
3	20" PACHINKO PANEL ONE SIDED	0	0	1	212478
	<b>HARDWARE COMPLETE</b>	1	0	0	212479
	<b>HARDWARE COMPLETE</b>	0	1	0	212475
	<b>HARDWARE COMPLETE</b>	0	0	1	212472
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	8	0	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	0	8	812054*
	3/8" BARREL NUT	5	8	8	804804*
	3/8" FLAT WASHER	5	8	8	817410*
	3/8" LOCKWASHER	5	8	8	817334*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Pachinko 3947 & 3949 per detail 548.

**STEP 2:** Attach Pachinko 3948 per detail 546.

## **SPECIFICATIONS**

**PACHINKO:** The Pachinko shall be fabricated from 1/2" high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

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

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to 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.

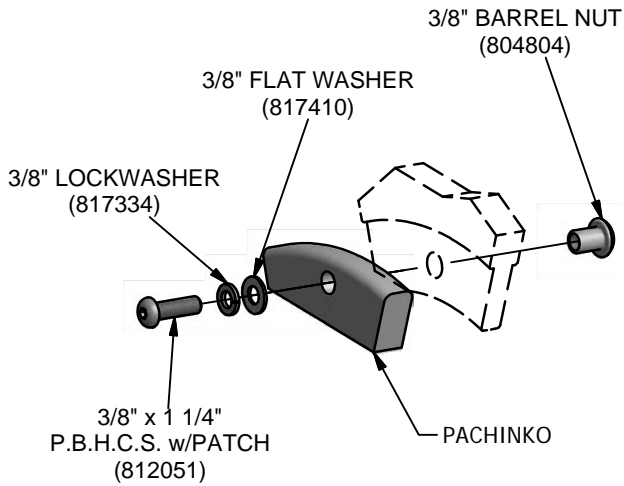
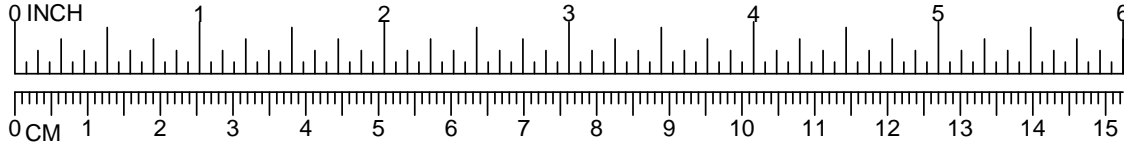
## DETAILS -for- 3947, 3948 & 3949

### IMPORTANT

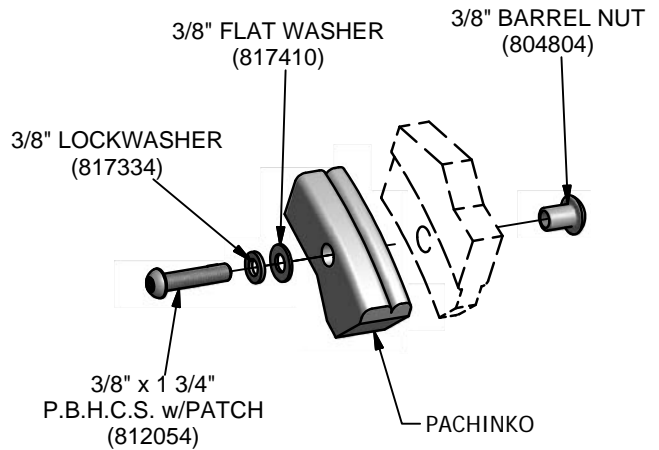
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



**546**



**548**





A PLAYCORE Company

1-800-235-2440

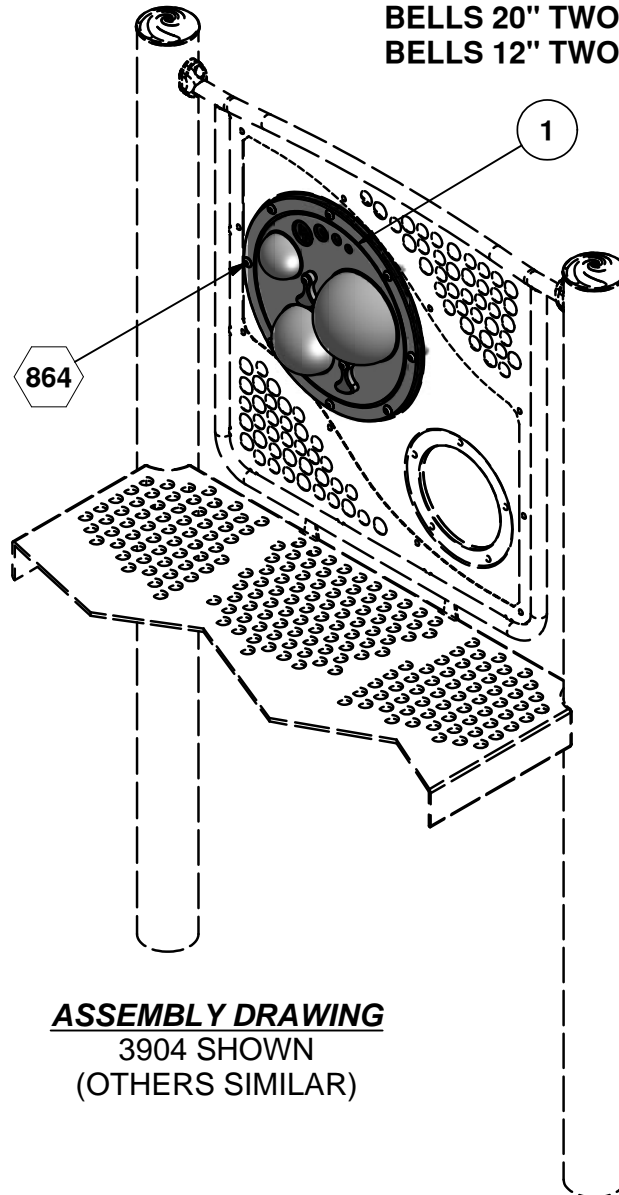
3904

BELLS

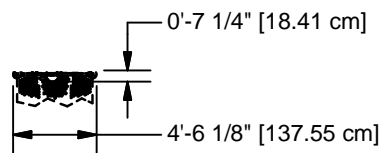
ISSUED/REVISED: 10/3/2016

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907

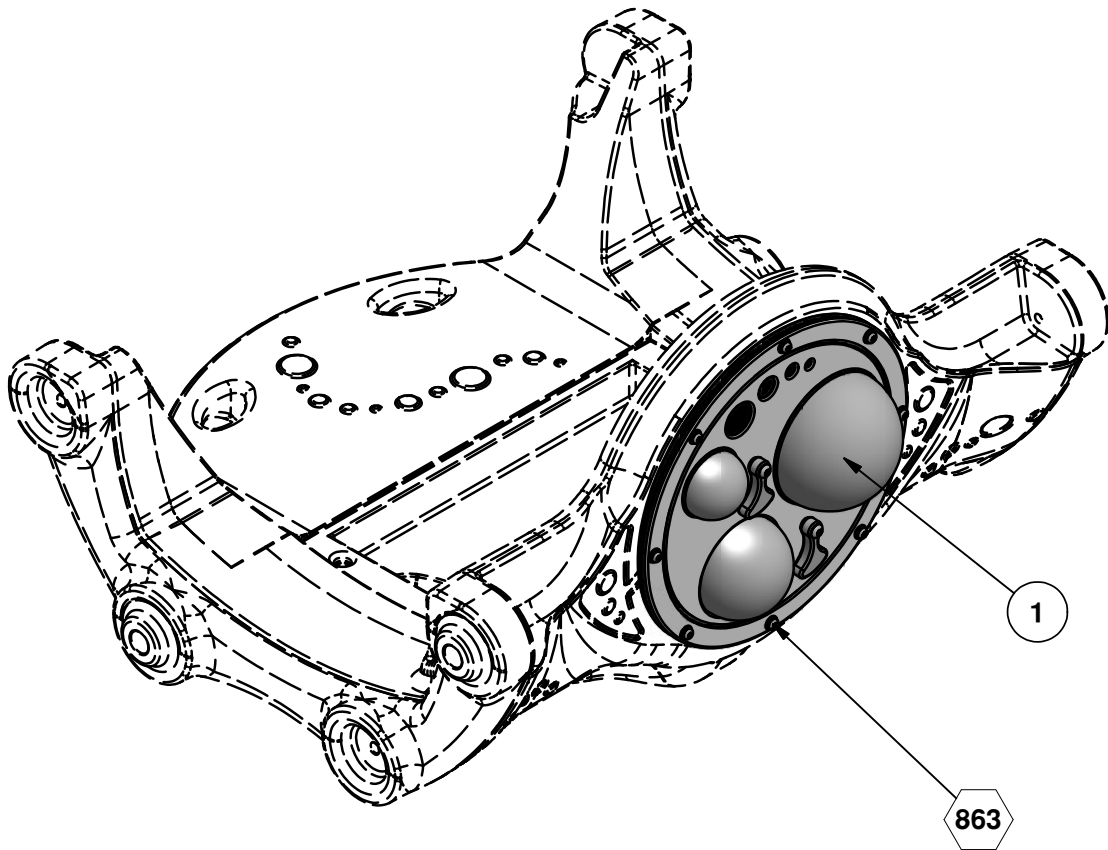


**ASSEMBLY DRAWING**  
 3904 SHOWN  
 (OTHERS SIMILAR)



**TOP VIEW**





**3904 ROTOMOLD APPLICATION**

Parts List						
REF.	DESCRIPTION	3904	3905	3906	3907	PART NUMBER
1	20" BELL ASS'Y ONE SIDED	1	0	0	0	212168
2	12" BELL ONE SIDED	0	1	0	0	212186
3	20" BELL TWO SIDED	0	0	1	0	212183
4	12" BELL TWO SIDED	0	0	0	1	212188
	<b>HARDWARE COMPLETE</b>	1	0	1	0	212190
	<b>HARDWARE COMPLETE</b>	0	1	0	1	212191
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
	3/8" BARREL NUT	8	5	8	5	804804*
	3/8" FLAT WASHER	8	5	8	5	817410*
	3/8" LOCKWASHER	8	5	8	5	817334*

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Bells 3904, 3905, 3906 and 3907 per detail 864. When used on rotomold application, attach Bells 3904 and 3905 per detail 863.

## **SPECIFICATIONS**

**BELL:** Bells shall be all weld assemblies fabricated from formed 11 Ga. Steel, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and purchases machined stainless steel insert. The Bell weld assemblies shall be coated in TGIC polyester powder coating as specified herein.

**BELL PANEL:** The bell panel shall be fabricated from 3/4" high density polyethylene.

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

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

**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.

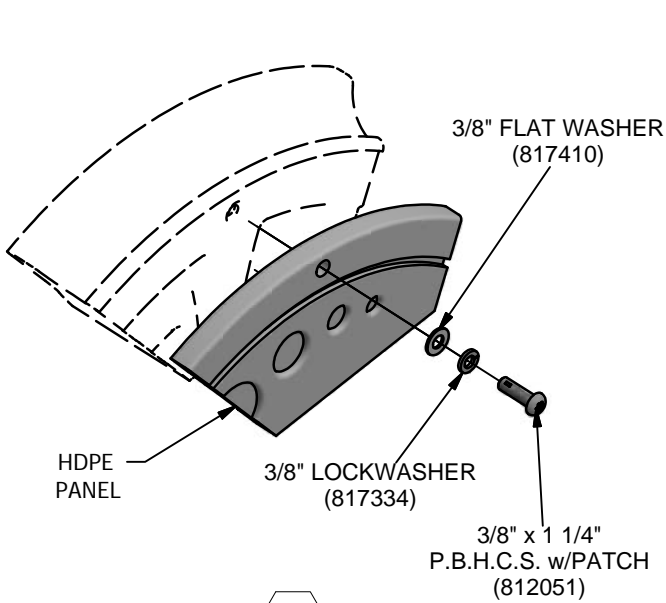
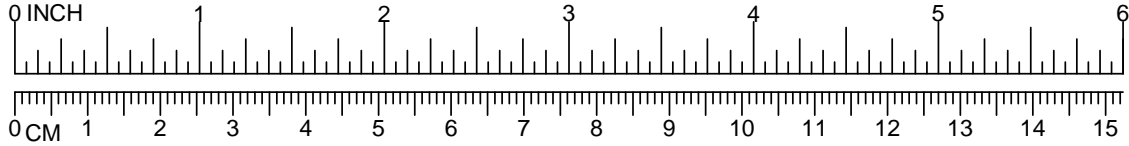
## DETAILS -for- 3904, 3905, 3906 & 3907

**IMPORTANT**

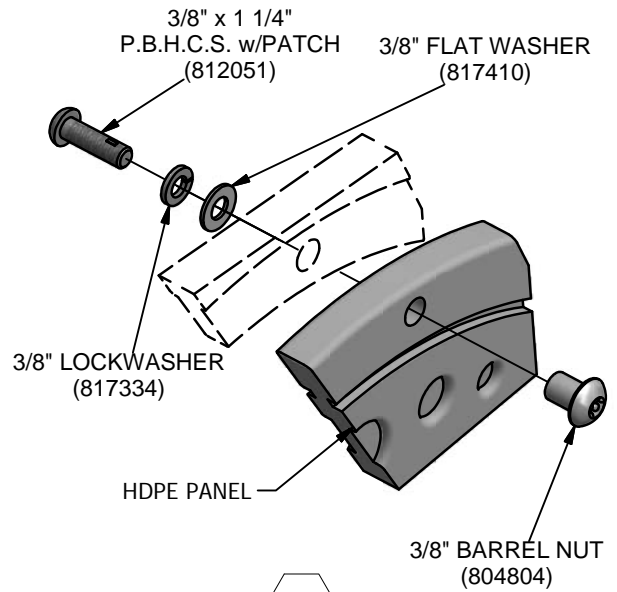
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.





863

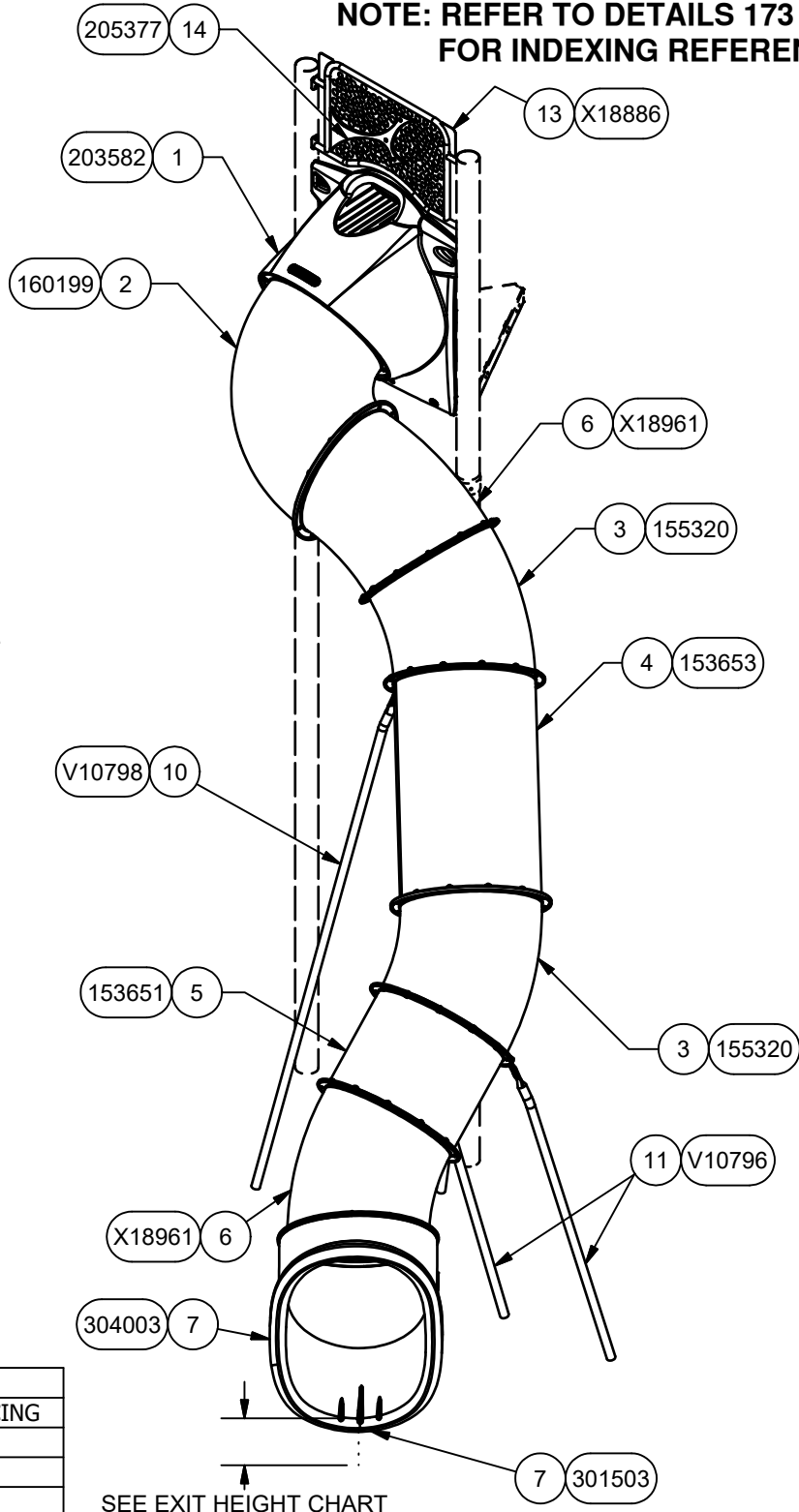


864

## 12' CURVED SLIDE w/ PANEL

**NOTE: REFER TO DETAILS 173 & 261  
FOR INDEXING REFERENCES.**

-  = INSTALLATION  
DETAIL
-  = PARTS LIST  
REFERENCE



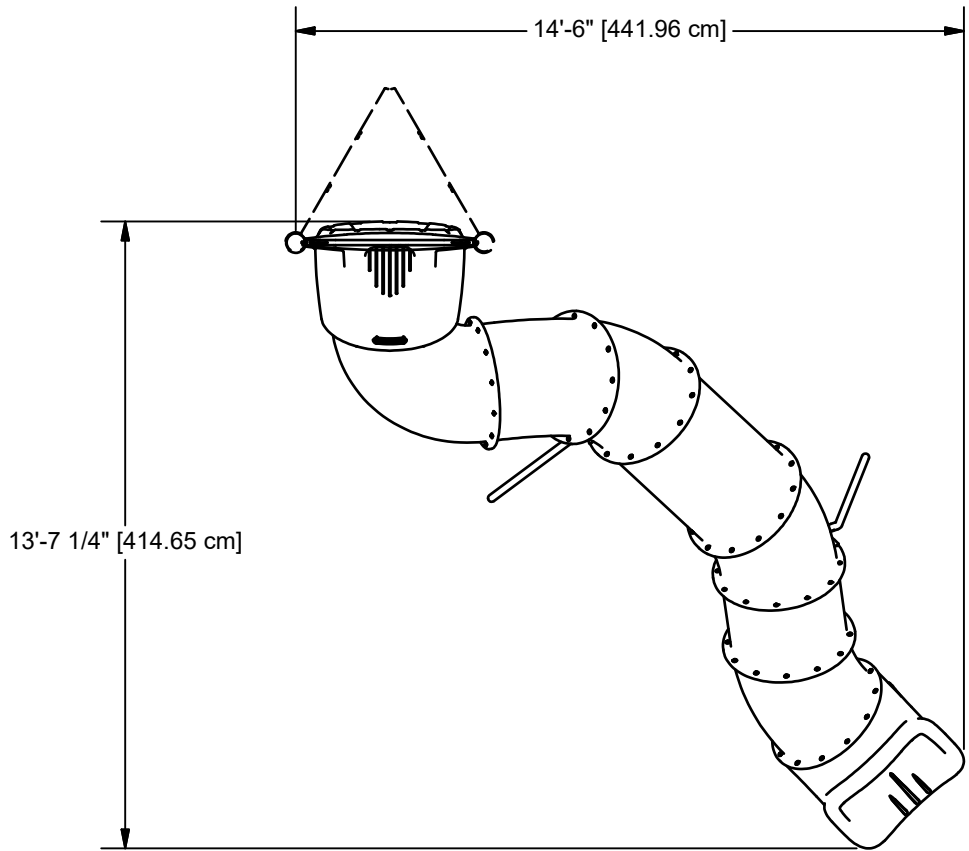
### INSTALLATION INSTRUCTIONS

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.

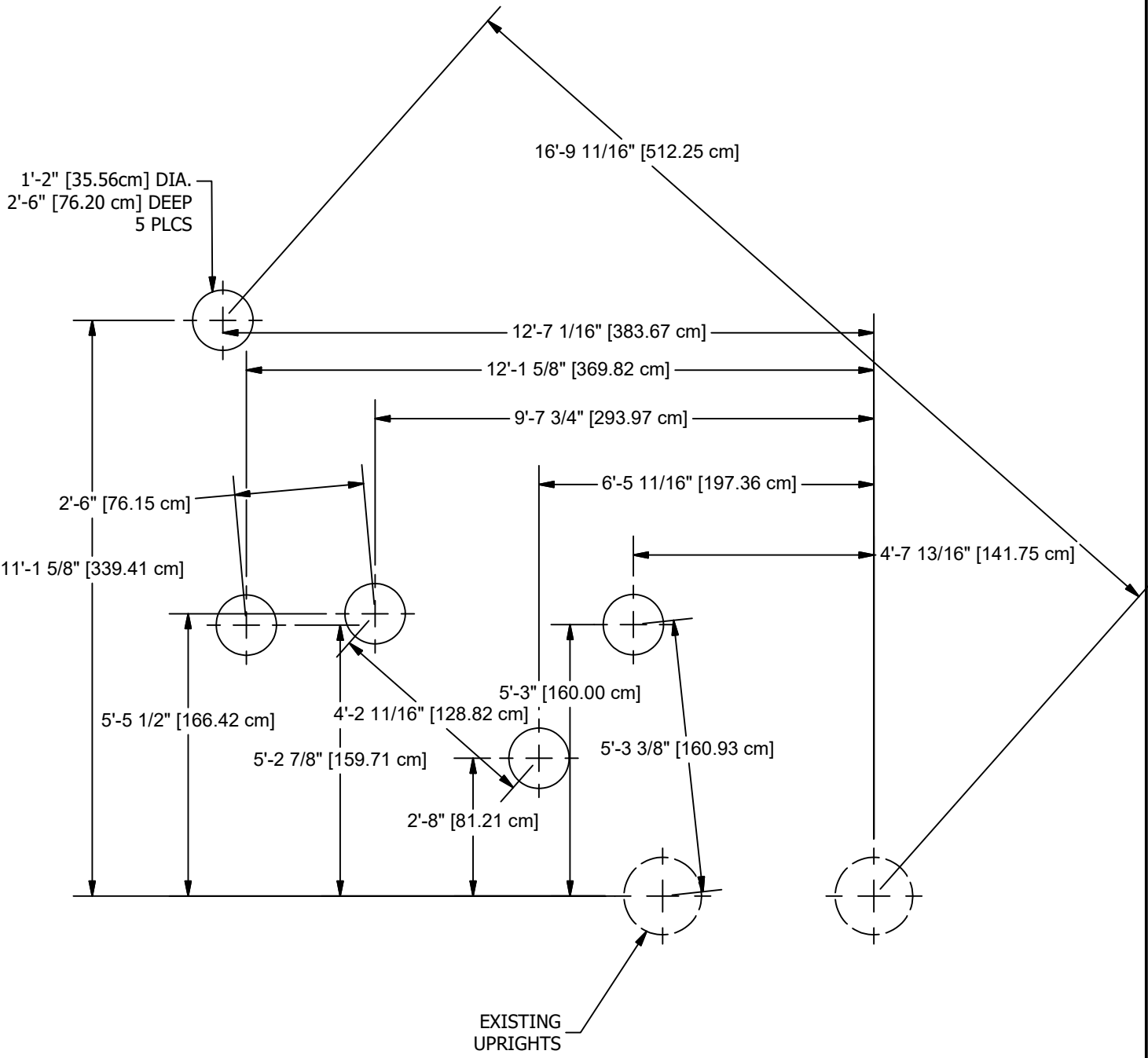
### ASSEMBLY DRAWING

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

SEE EXIT HEIGHT CHART



**TOP VIEW**

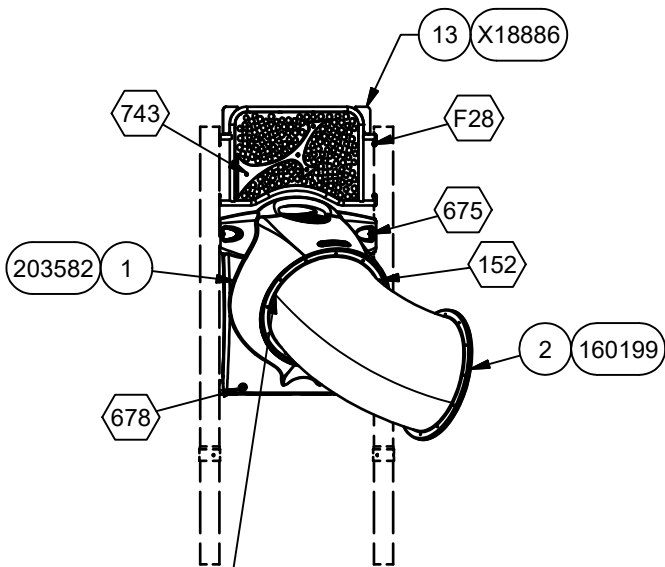


**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

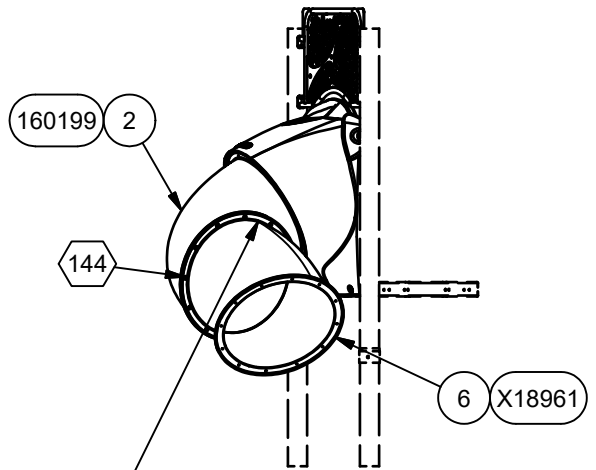
**GROUND PLAN**

**CONCRETE REQUIRED**  
.33 CUBIC YARDS  
[.252 CUBIC METERS]





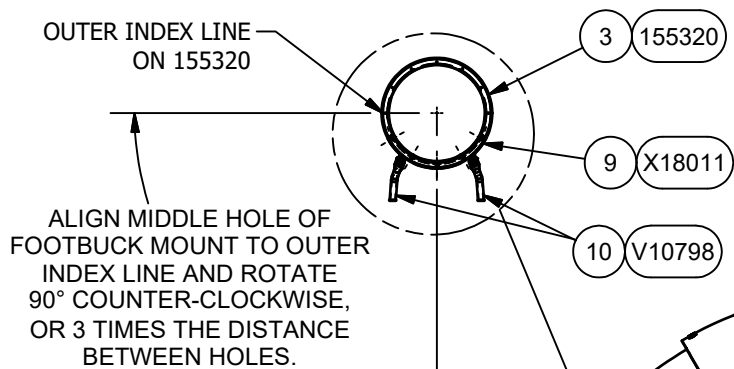
ATTACH 90° ELBOW BY ALIGNING INDEX LINES AT 3 AND 9 O'CLOCK POSITIONS AND THEN ROTATING ELBOW 15° CLOCKWISE, OR HALF THE DISTANCE BETWEEN HOLES UNTIL THE HOLES ALIGN.



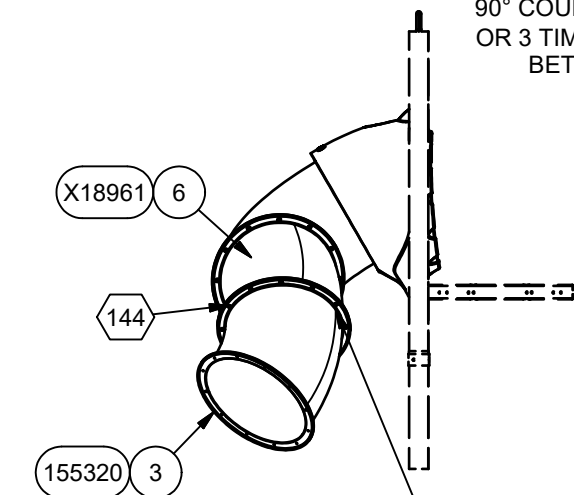
ATTACH FIRST 30° ELBOW BY ALIGNING INDEX LINES AND ROTATING 135° CLOCKWISE, OR FOUR AND A HALF TIMES THE DISTANCE BETWEEN HOLES.

**FIRST TUBE SECTION ASSEMBLY**

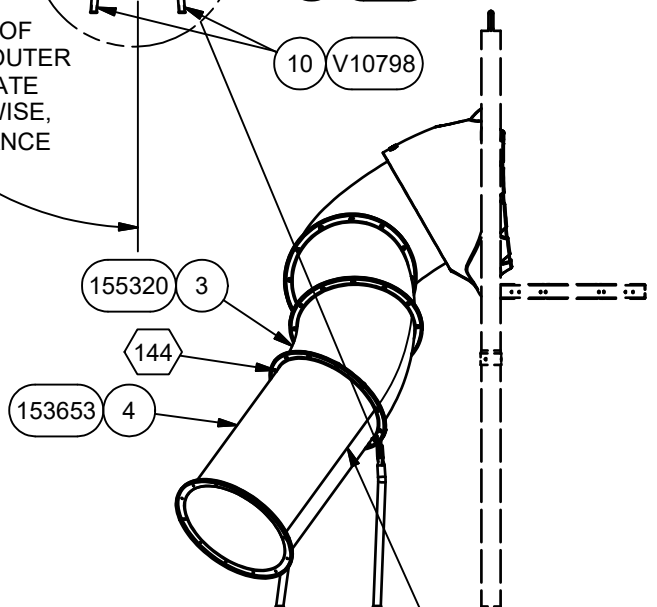
**SECOND TUBE SECTION ASSEMBLY**



ALIGN MIDDLE HOLE OF FOOTBUCK MOUNT TO OUTER INDEX LINE AND ROTATE 90° COUNTER-CLOCKWISE, OR 3 TIMES THE DISTANCE BETWEEN HOLES.



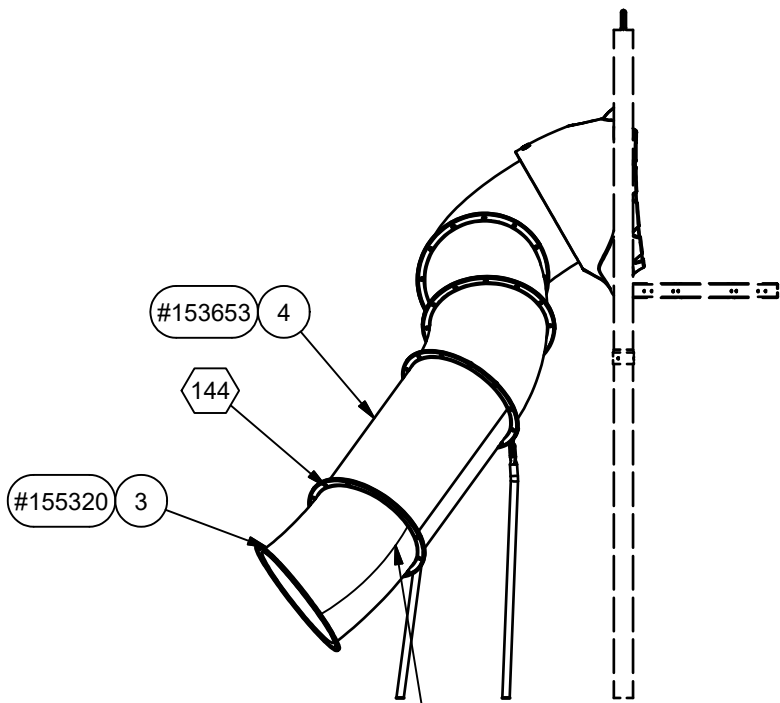
ATTACH THE SECOND 30° ELBOW BY ALIGNING INDEX LINES THEN ROTATING 55° CLOCKWISE, OR ONE AND TWO-THIRDS TIMES THE DISTANCE OF THE HOLES.



ATTACH 49" TUBE SECTION BY ALIGNING INDEX LINES

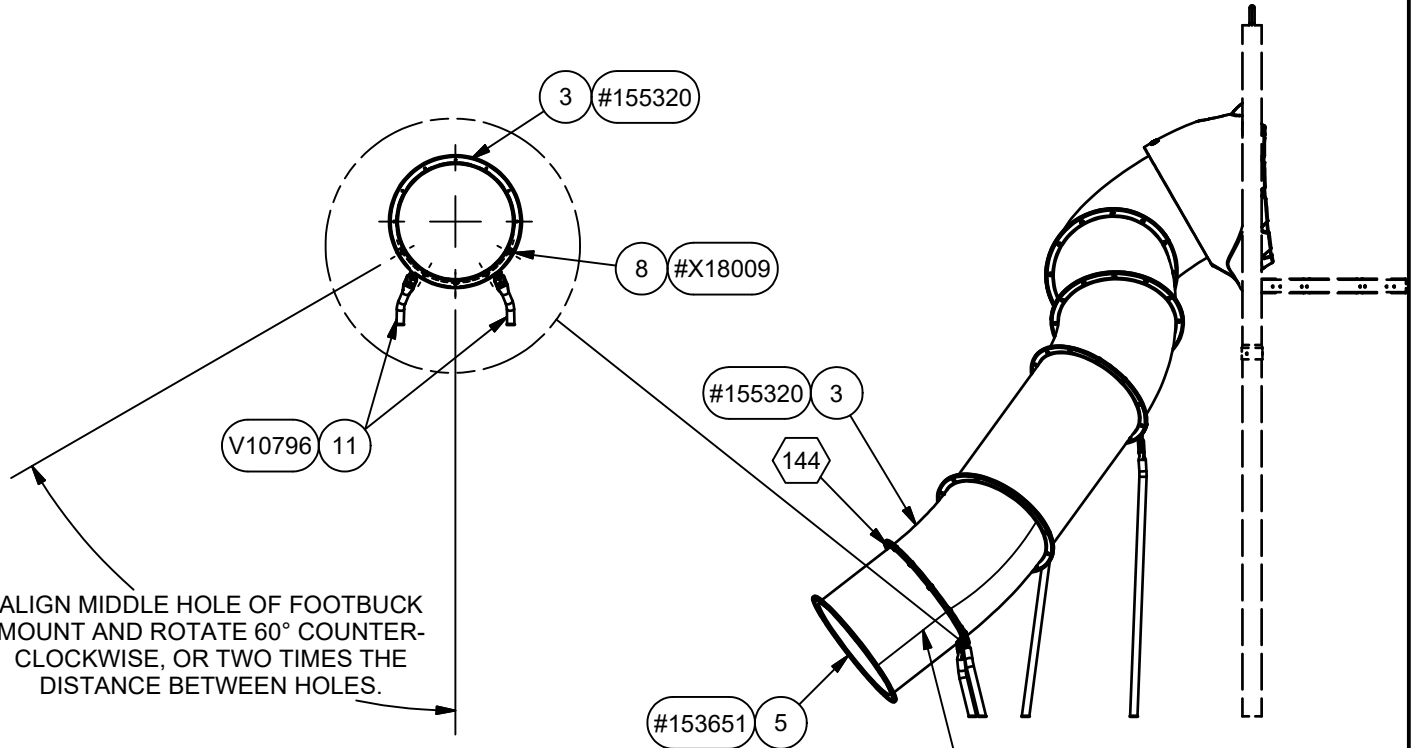
**THIRD TUBE SECTION ASSEMBLY**

**FOURTH TUBE SECTION ASSEMBLY**



ATTACH THIRD 30° ELBOW  
BY ALIGNING INDEX LINES  
THEN ROTATING 15° COUNTER  
CLOCK-WISE, OR ONE HALF THE  
DISTANCE BETWEEN HOLES.

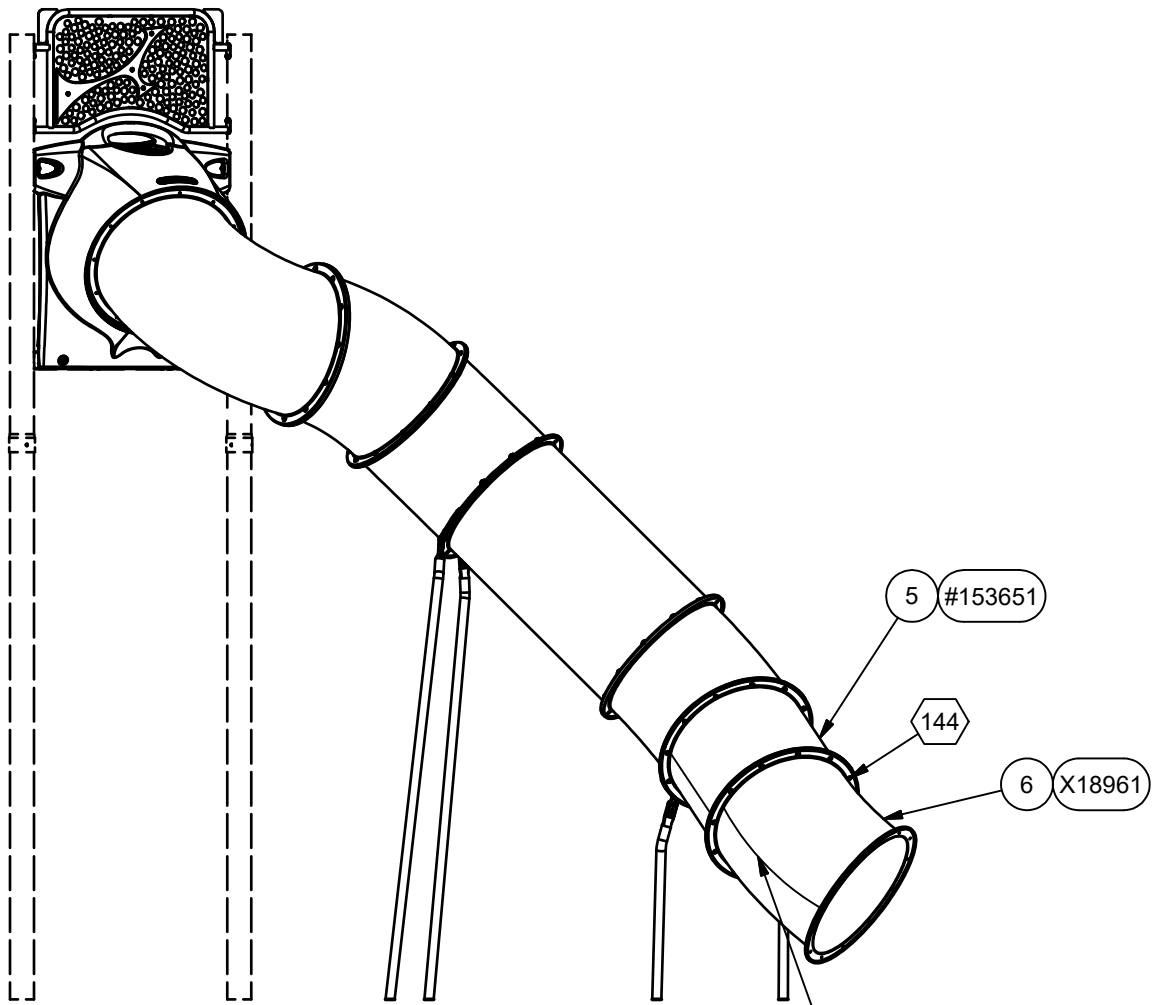
**FIFTH TUBE SECTION ASSEMBLY**



ALIGN MIDDLE HOLE OF FOOTBUCK  
MOUNT AND ROTATE 60° COUNTER-  
CLOCKWISE, OR TWO TIMES THE  
DISTANCE BETWEEN HOLES.

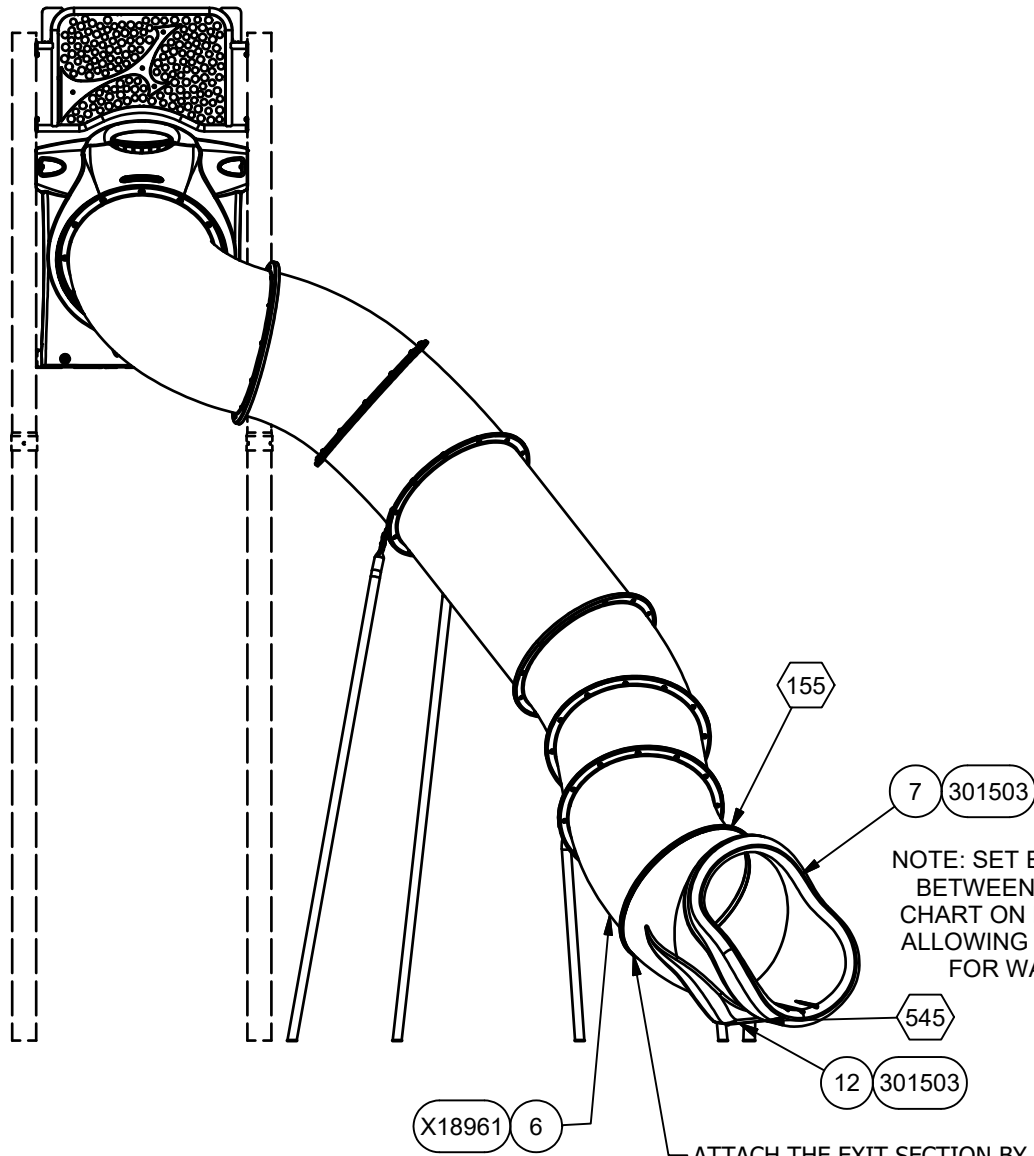
ATTACH 24" TUBE SECTION  
BY ALIGNING INDEX LINES.

**SIXTH TUBE SECTION ASSEMBLY**



ATTACH (X18961) TUBE ELBOW  
 WITH 10° OFFSET HOLES BY ALIGNING  
 INDEX LINES THEN ROTATING 15°  
 COUNTER CLOCKWISE, OR ONE HALF  
 THE DISTANCE BETWEEN HOLES.

**SEVENTH TUBE SECTION ASSEMBLY**



NOTE: SET EXIT HEIGHT TO FALL BETWEEN RANGE SHOWN IN CHART ON PAGE 1 WHILE STILL ALLOWING DOWNWARD SLOPE FOR WATER DRAINAGE

ATTACH THE EXIT SECTION BY ALIGNING THE 12 AND 6 O'CLOCK POSITIONS WITH THE INDEX LINES THEN ROTATING CLOCKWISE 100° OR 3 1/3 TIMES THE DISTANCE BETWEEN HOLES.

**EXIT SECTION ASSEMBLY**

Parts List			
REF.	DESCRIPTION	QTY	PART#
1	TUBE ENTRANCE	1	203582
2	90° TUBE SECTION w/15° OFFSET	1	160199
3	30° ELBOW w/HOLES ROTATED 15°	2	155320
4	49" TUBE SECTION (Ø30")	1	153653
5	24" TUBE SECTION	1	153651
6	TUBE ELBOW w/10° HOLE OFFSET	2	X18961
7	EXIT SECTION	1	304003
8	FOOTBUCK SADDLE 30°	1	X18009
9	FOOTBUCK SADDLE 45°	1	X18011
10	LONG FORMED FOOTBUCK	2	V10798
11	SHORT FORMED FOOTBUCK	2	V10796
12	FOOTBUCK	1	301503
13	SLIDE ENCLOSURE WELD ASS'Y	1	X18886
14	ARCH BRIDGE TRIM 3	1	205377
	<b>HARDWARE COMPLETE</b>	1	3962HW
	5/16" x 3/4" P.B.H.C.S. w/PATCH	70	812040*
	5/16" x 1" P.B.H.C.S. w/PATCH	34	812042*
	5/16" FLATWASHER (1 1/8" O.D.)	86	817403*
	5/16" LOCKWASHER	104	817330*
	5/16" T-NUT (SHORT)	80	804558*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
	3/8" LOCK WASHER	10	817334*
	3/8" T-NUT	2	804556*
	1/4" CHERRY-MATE RIVET	4	135499*
	1/4" FLAT WASHER (5/8" O.D.)	4	817408*
	5/16" FLAT WASHER	8	817406*
	3/8" FLAT WASHER (1" O.D.)	8	817401*

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.**

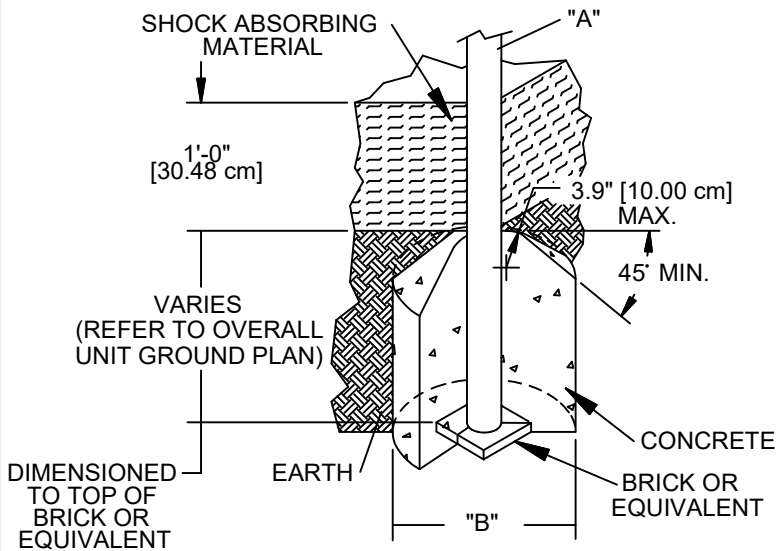
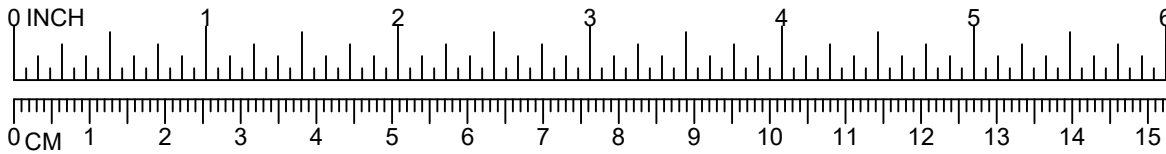
# DETAILS -for- 3962RP

**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.



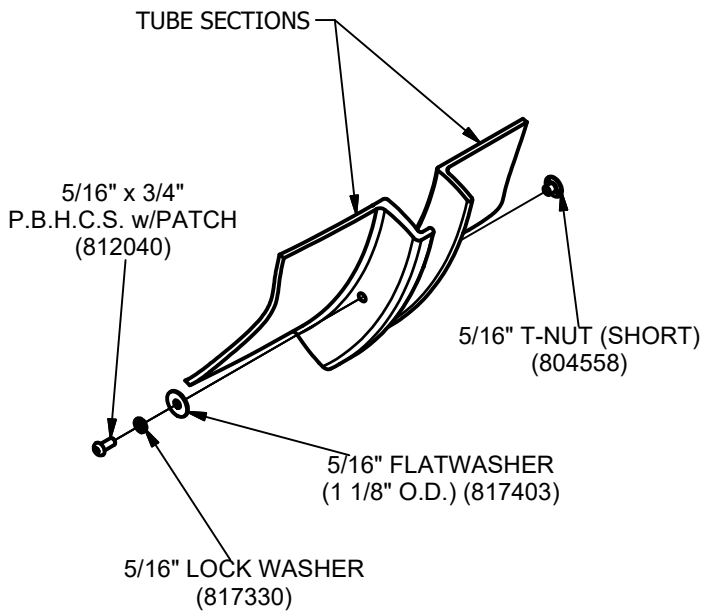
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

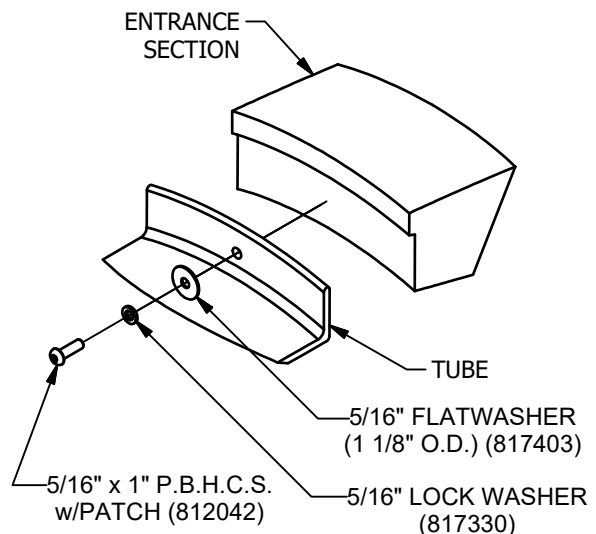
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



144



152

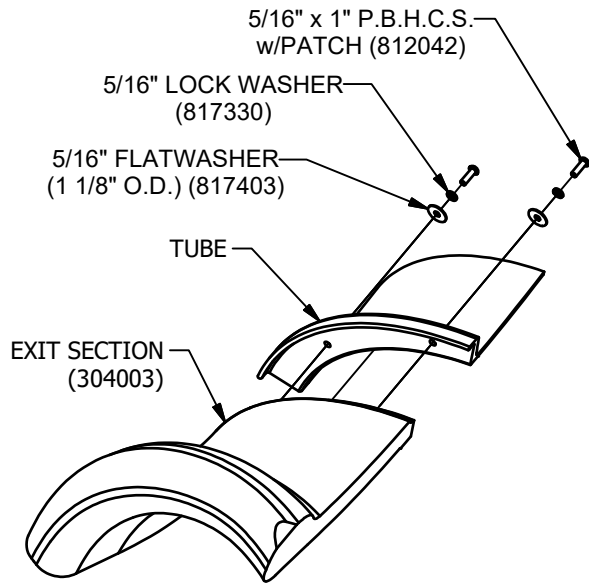
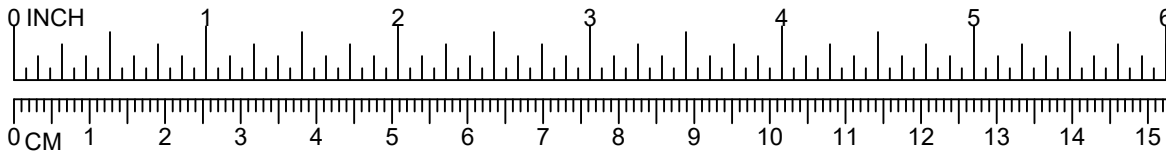
# DETAILS -for- 3962RP

**IMPORTANT**

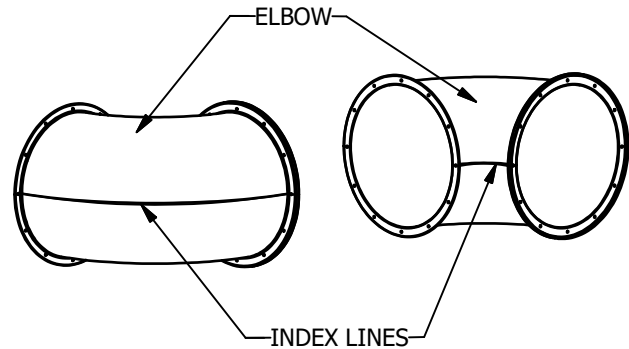
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

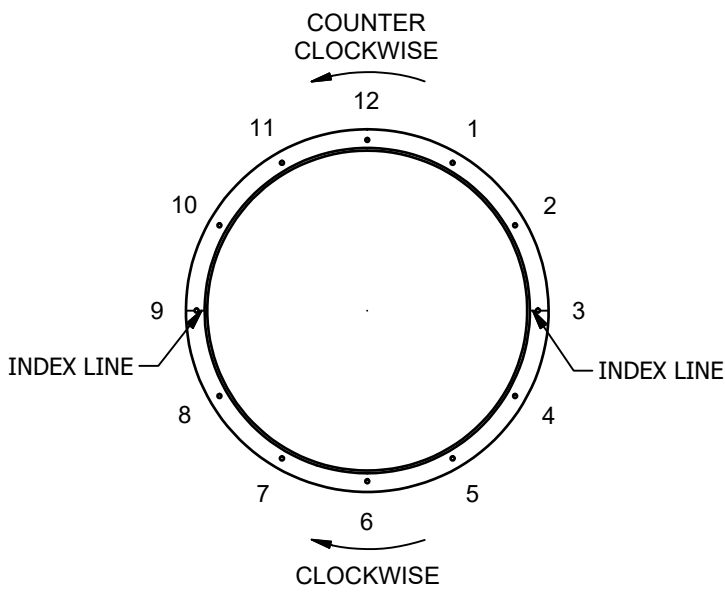
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



**155**

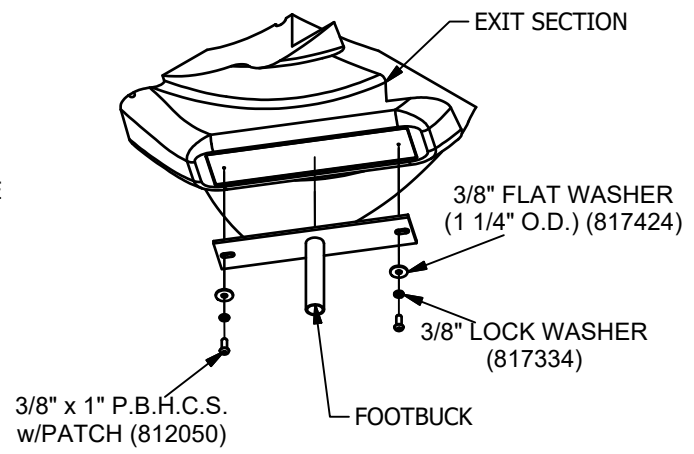


**173**



TYPICAL CLOCK REFERENCE  
FOR TUBE SLIDES

**261**



**545**

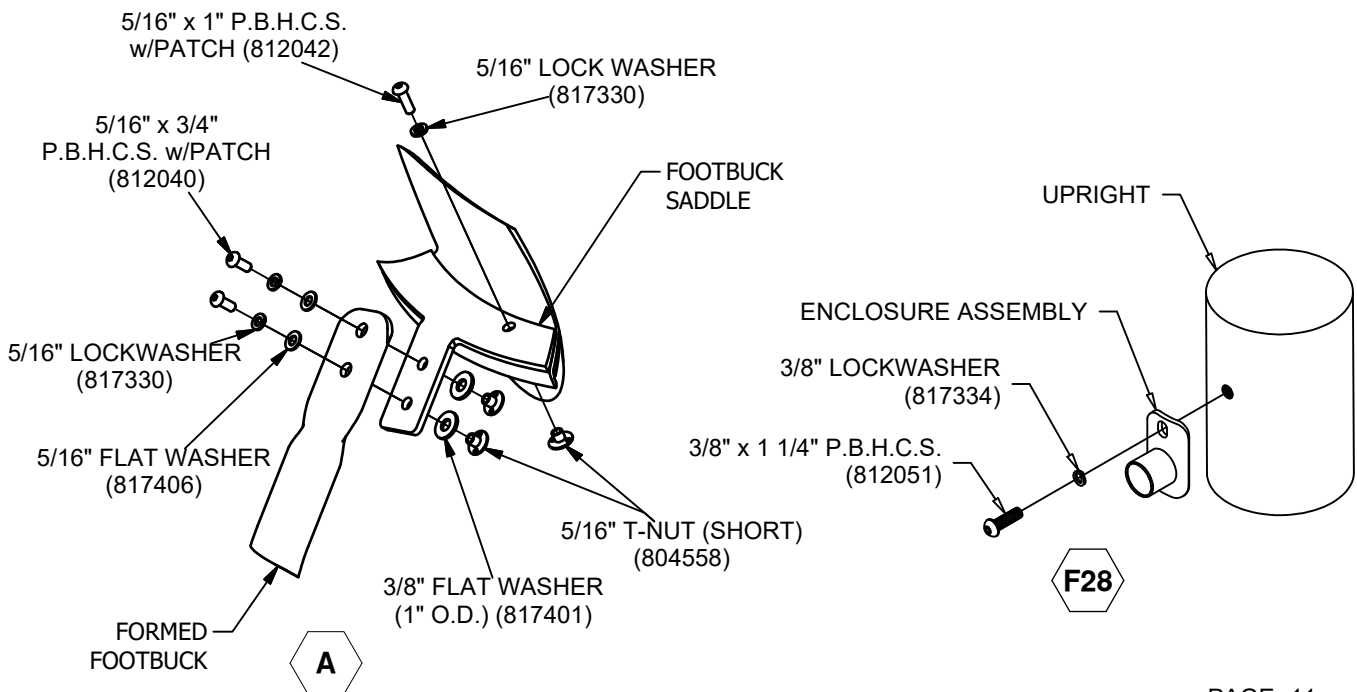
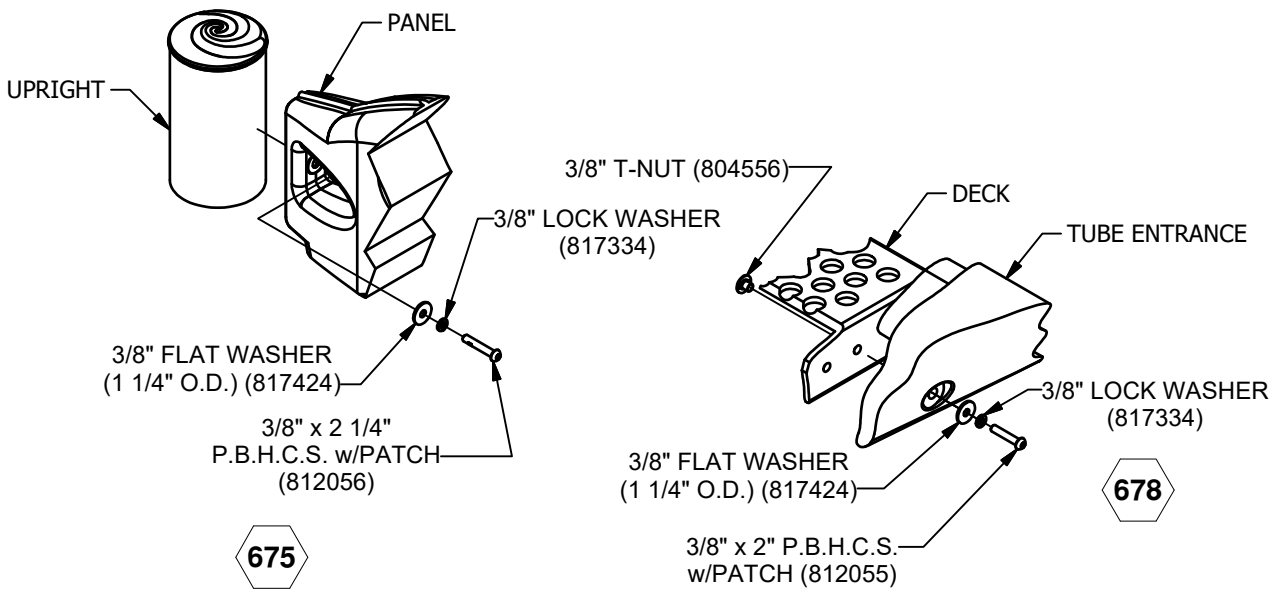
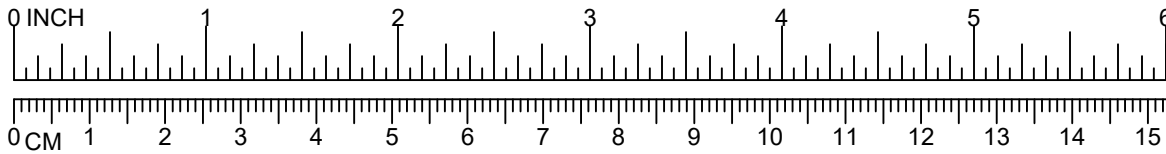
# DETAILS -for- 3962RP

## 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.





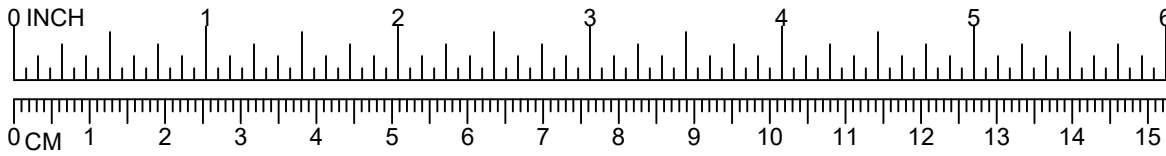
# DETAILS -for- 3962RP

## 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.

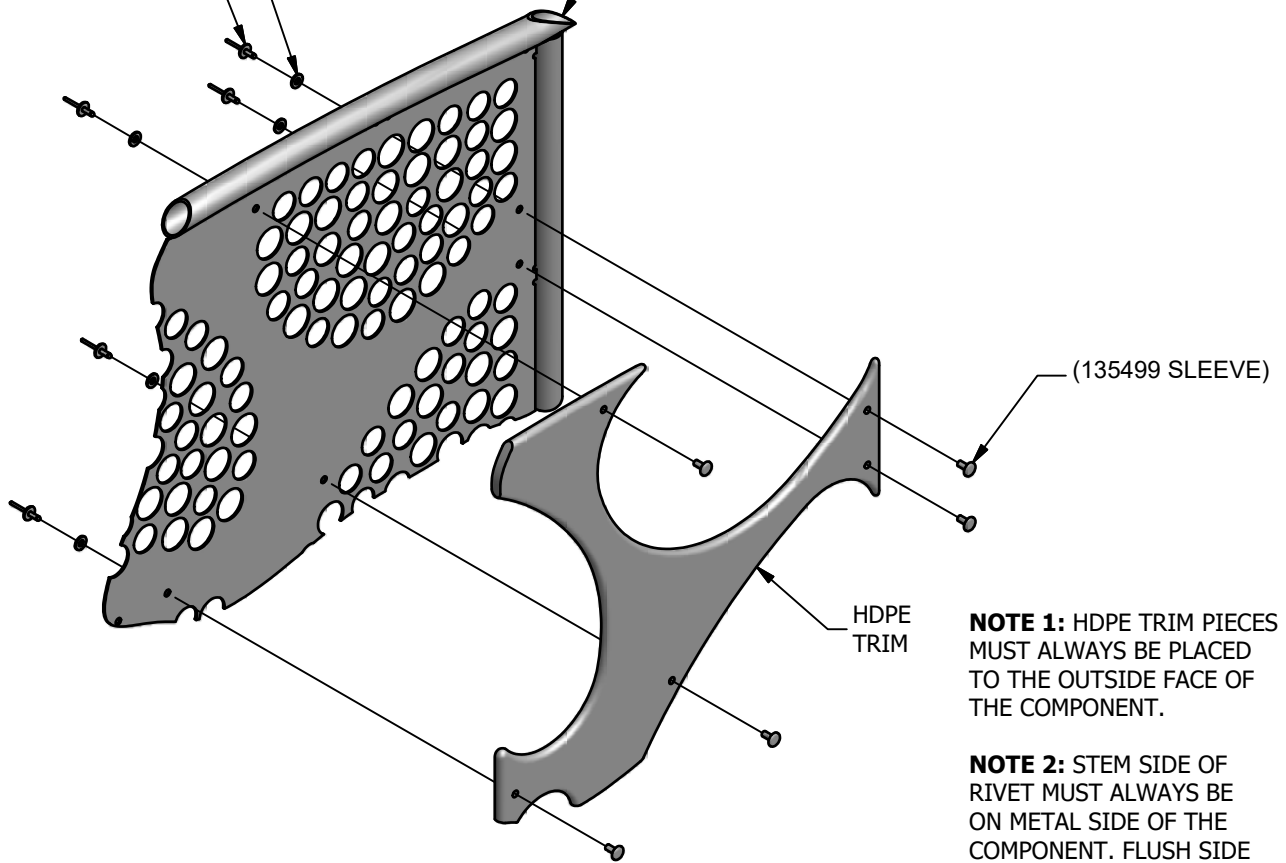
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



1/4" FLAT WASHER  
(5/8" O.D.) (817408)

(135499 STEM)

WELD  
ASS'Y



**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

743

# PowerScape

## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 9/17/18

### 3964RP

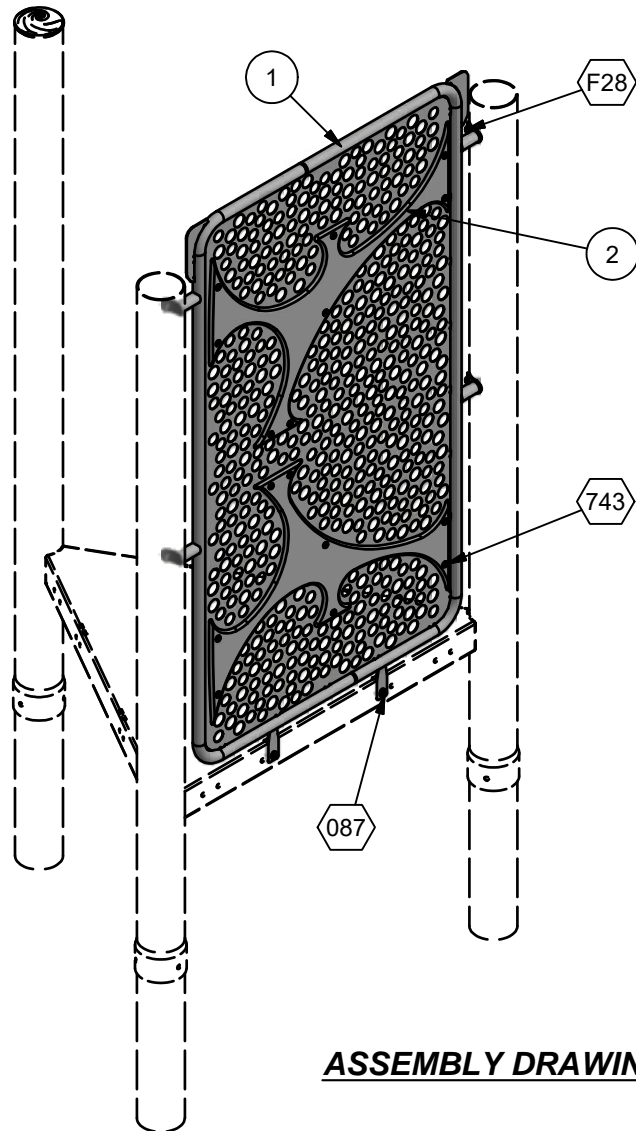
## PANEL ENCLOSURE

⬡ = INSTALLATION  
DETAIL

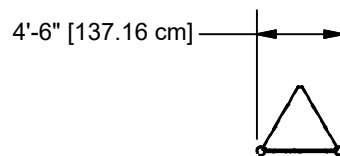
○ = PARTS LIST  
REFERENCE

### 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#
1	SMALL PANEL WELD ASS'Y	1	X18890
2	PANEL TRIM LARGE	2	205278
	<b>HARDWARE COMPLETE</b>	1	3964HW
	1/4" CHERRY-MATE RIVET	16	135499*
	1/4" FLAT WASHER (5/8" O.D.)	16	817408*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" FLAT WASHER	2	817410*
	3/8" LOCK WASHER	6	817334*
	3/8" T-NUT	2	804556*

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

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

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

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

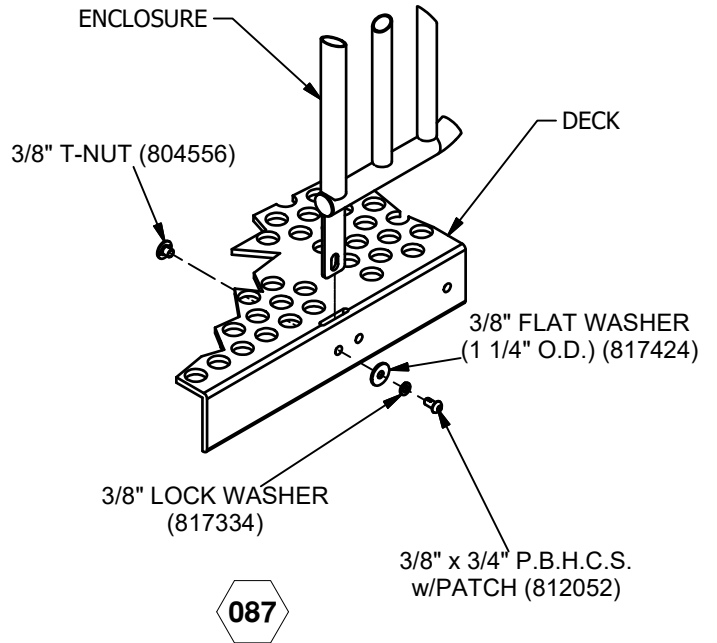
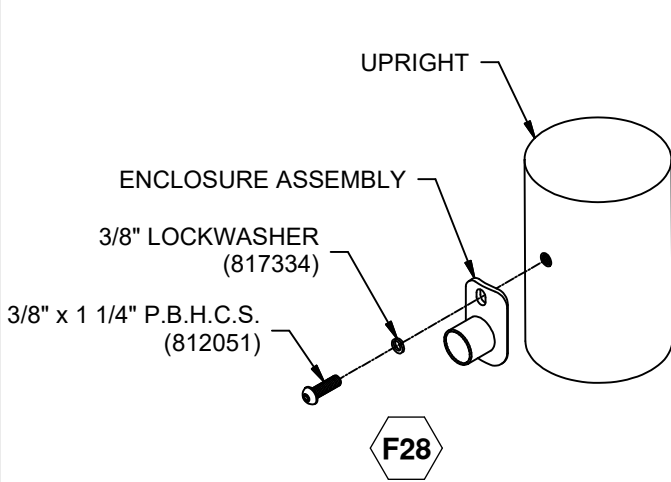
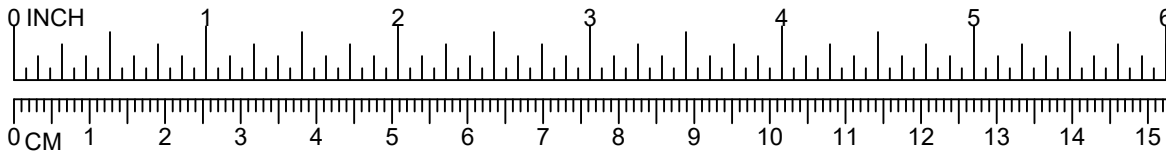
# DETAILS -for- 3964RP

## 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.



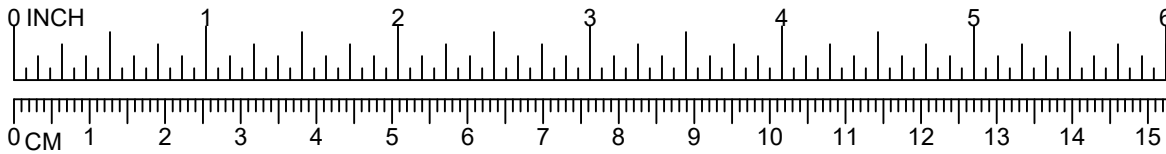
# DETAILS -for- 3964RP

## 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.

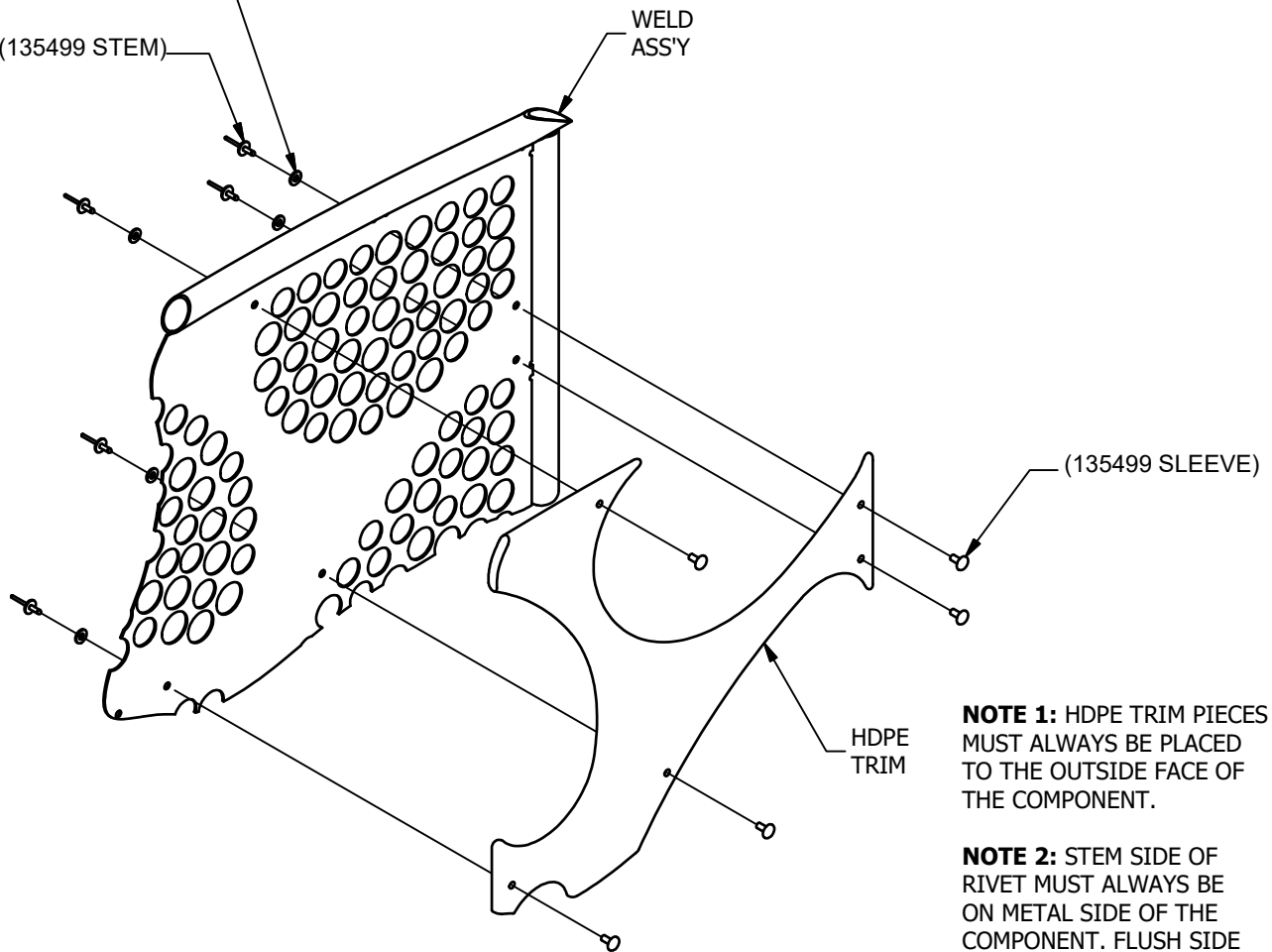
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



1/4" FLAT WASHER  
(5/8" O.D.) (817408)

(135499 STEM)

WELD  
ASS'Y



**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

743

# PowerScape®

## GameTime®

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1-800-235-2440

ISSUED/REVISED: 9/17/18

### 3966RP 4' SPIRAL STEPS W/ FILLER PLATE (REVERSE)

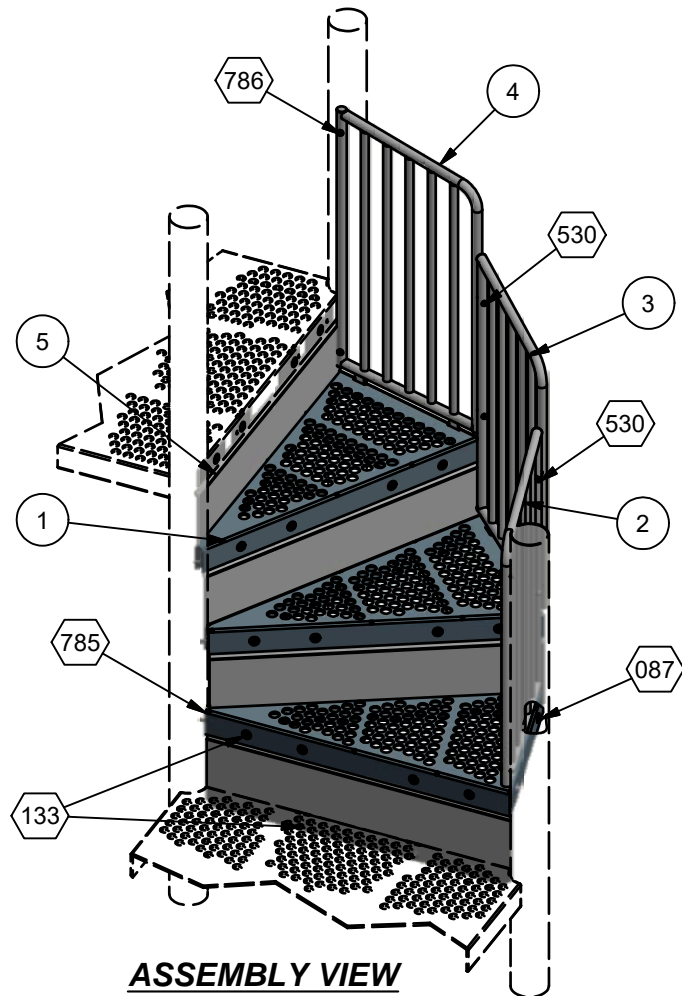
⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

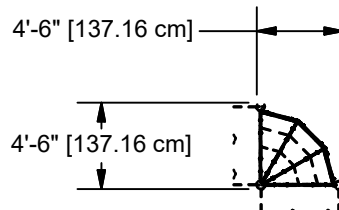
#### INSTALLATION INSTRUCTIONS

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.

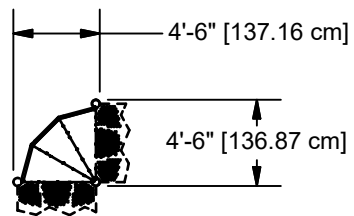
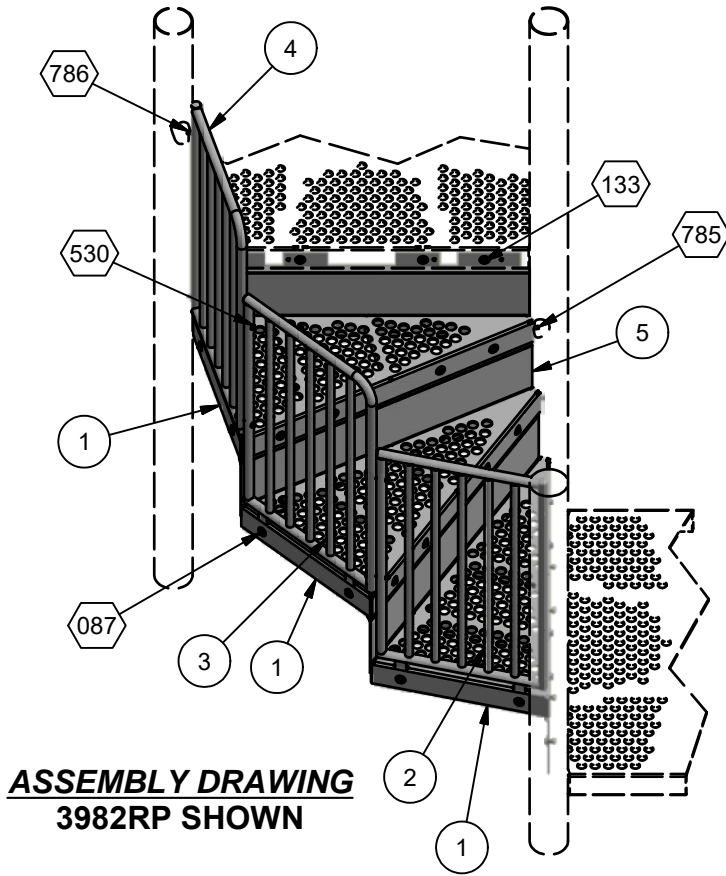
#### 4' SPIRAL STEPS W/ FILLER PLATE 3982RP



**ASSEMBLY VIEW**  
3966RP SHOWN



**TOP VIEW**  
3966RP SHOWN



Parts List				
REF.	DESCRIPTION	3966RP	3982RP	PART NUMBER
1	COATED STEP	3	3	200093
2	LOWER BARRIER WELD ASS'Y	1	0	207002
2	LOWER ENCLOSURE WELD ASS'Y	0	1	200075
3	MIDDLE BARRIER WELD ASS'Y	1	0	207005
3	MIDDLE ENCLOSURE WELD ASS'Y	0	1	200082
4	UPPER BARRIER WELD ASS'Y	1	0	206992
4	UPPER ENCLOSURE WELD ASS'Y	0	1	200088
5	KICK PLATE	4	4	139253
	<b>HARDWARE COMPLETE</b>	1	1	3966HW
	3/8" x 3/4" P.B.H.C.S. w/PATCH	6	6	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	32	32	812050*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	3	3	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	4	812055*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	4	4	812057*
	3/8" FLAT WASHER	7	7	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	38	38	817424*
	3/8" LOCK WASHER	49	49	817334*
	3/8" T-NUT	10	10	804556*
	3/8" HEX NUT	32	32	804053*

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

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

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

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



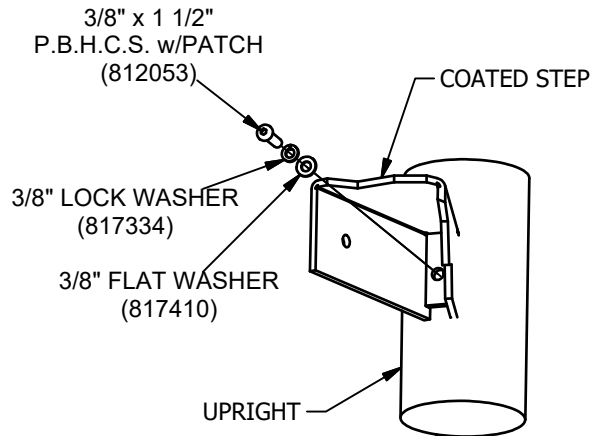
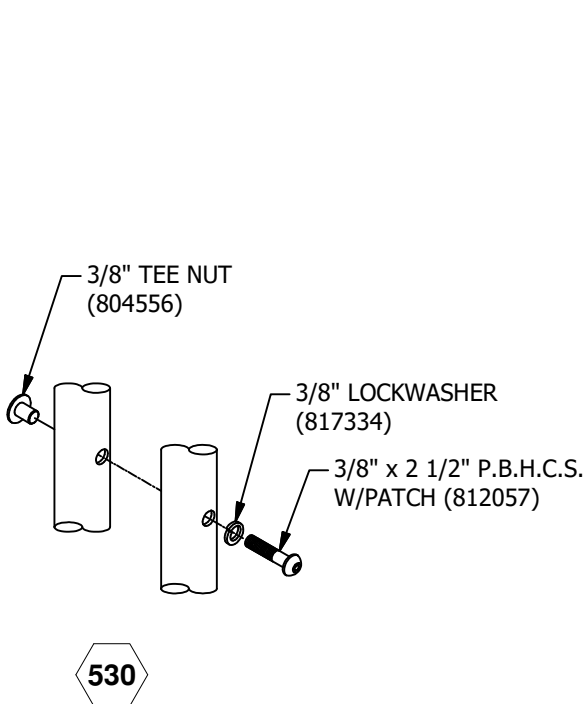
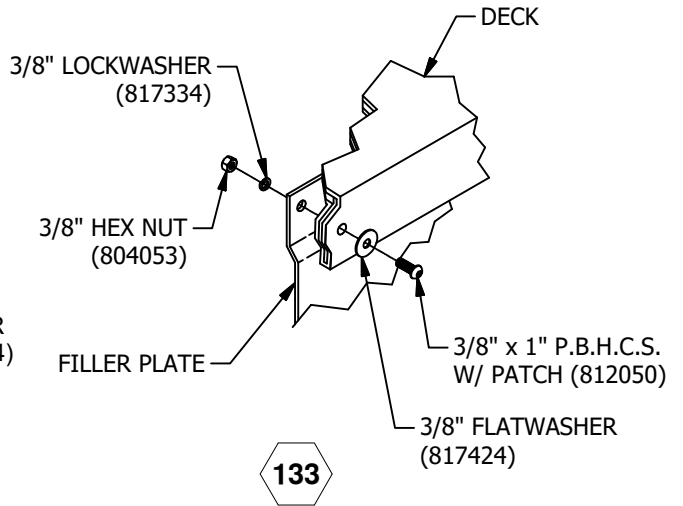
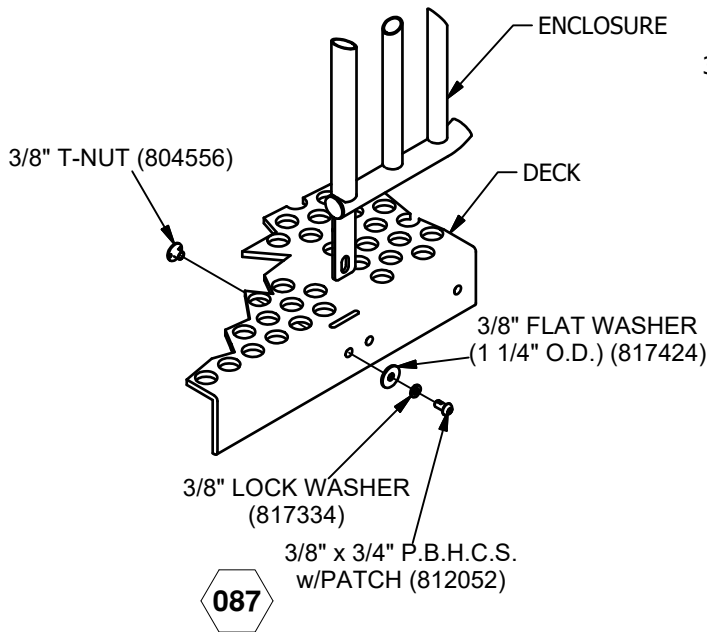
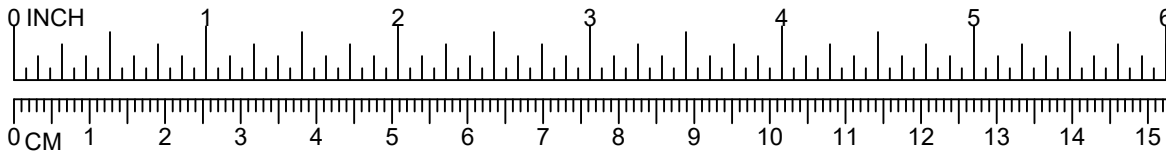
# DETAILS -for- 3966RP & 3982RP

**IMPORTANT**

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

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

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



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

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

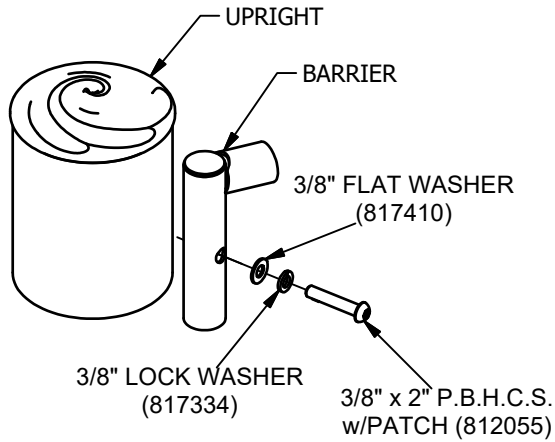
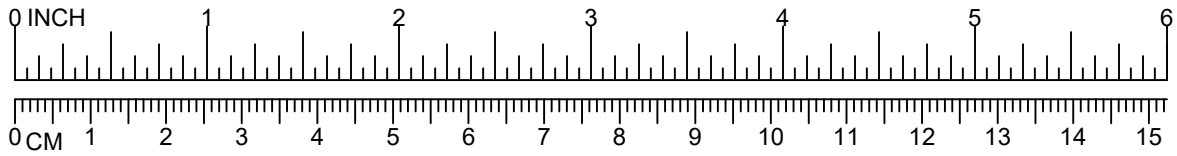
# DETAILS -for- 3966RP & 3982RP

## IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
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SMOOTH AND TREATED TO PREVENT CORROSION.

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

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786

# PowerScape®

## GameTime®

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ISSUED/REVISED: 9/17/18

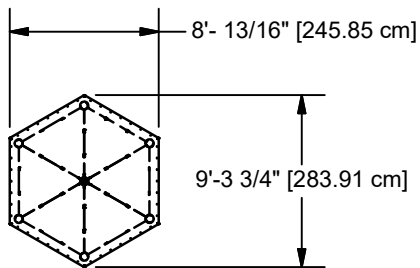
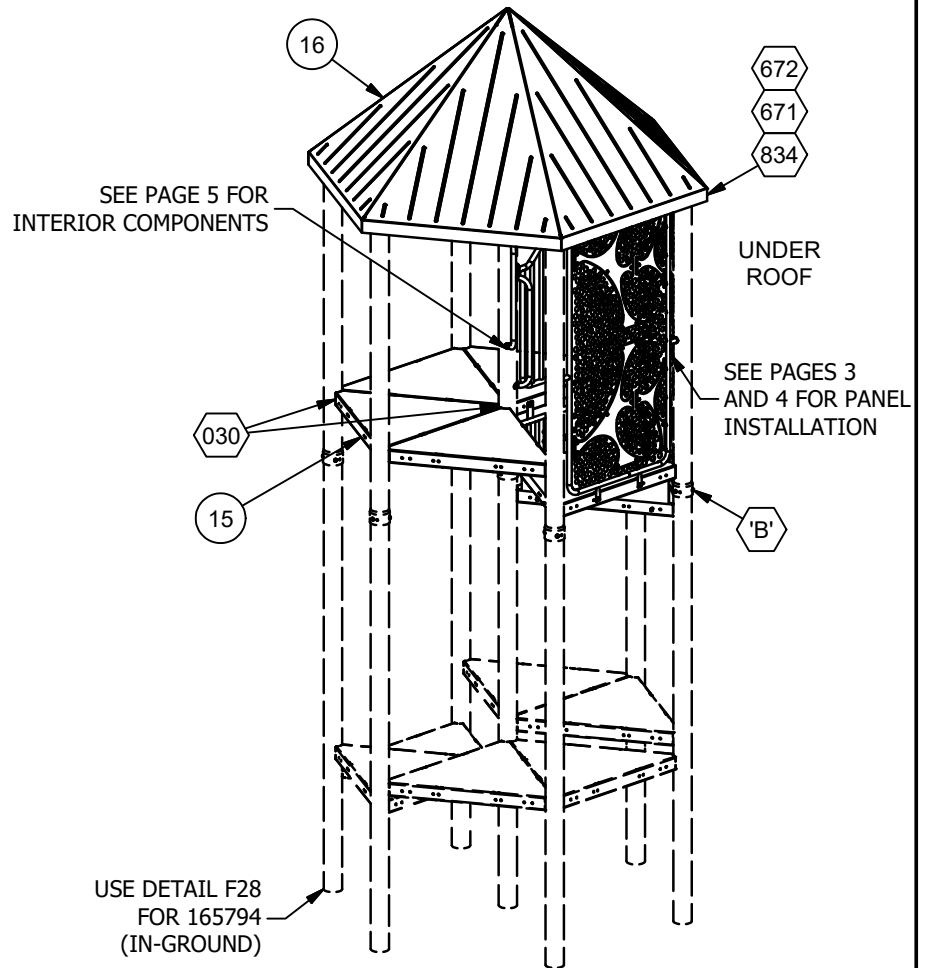
### 3967RP CITADEL TOWER w/3D PANELS

⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

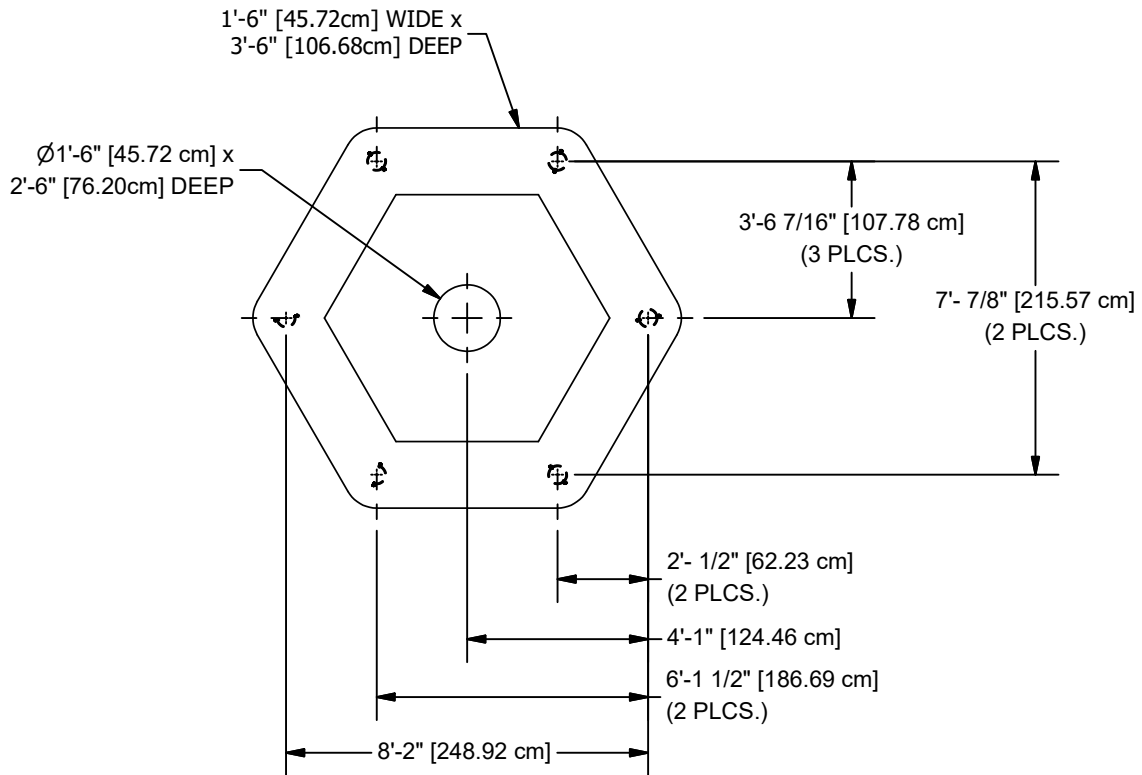
#### INSTALLATION INSTRUCTIONS

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**



**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**

**CONCRETE REQUIRED**  
2.04 CUBIC YARDS  
[1.56 CUBIC METERS]

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

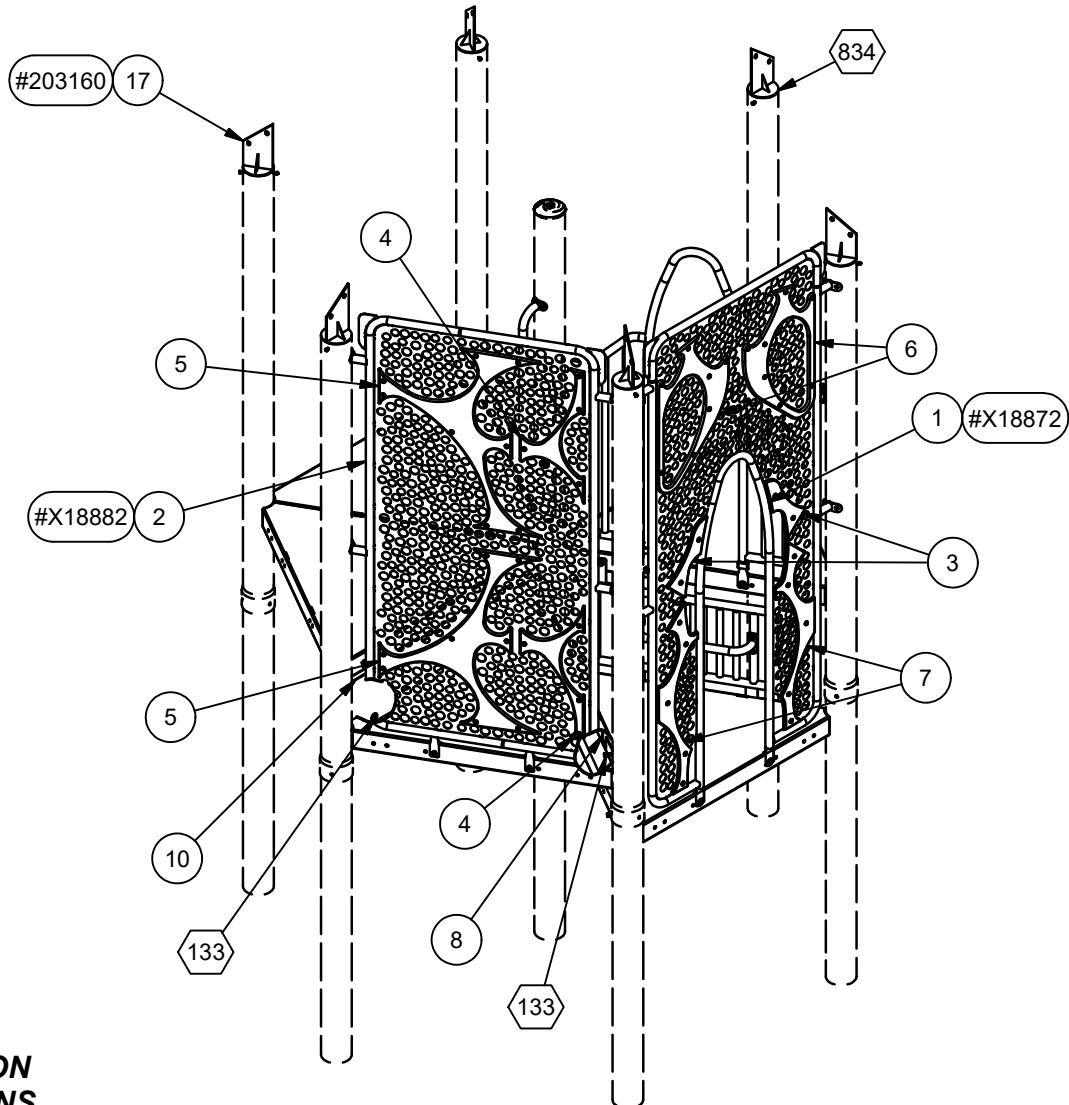
ISSUED/REVISED: 9/17/18

### 3967RP

### 3D PANELS

⬡ = INSTALLATION  
DETAIL

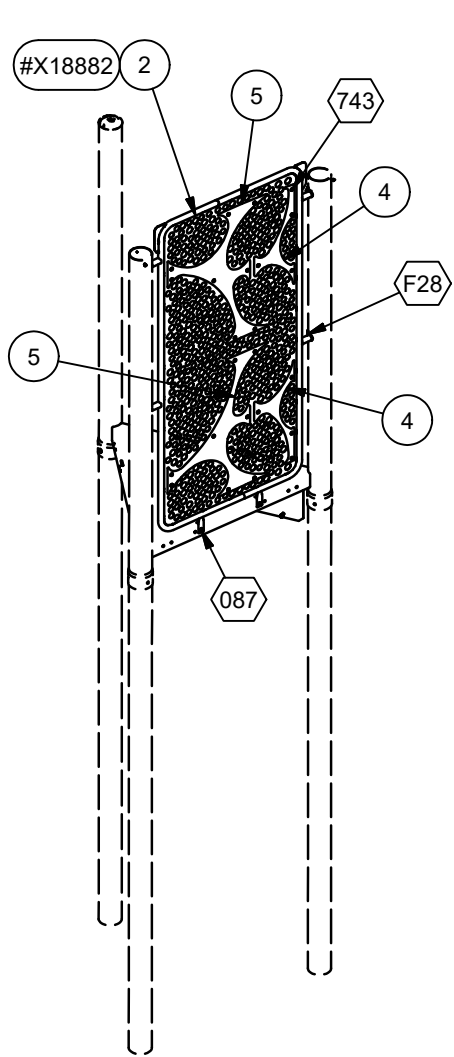
○ = PARTS LIST  
REFERENCE



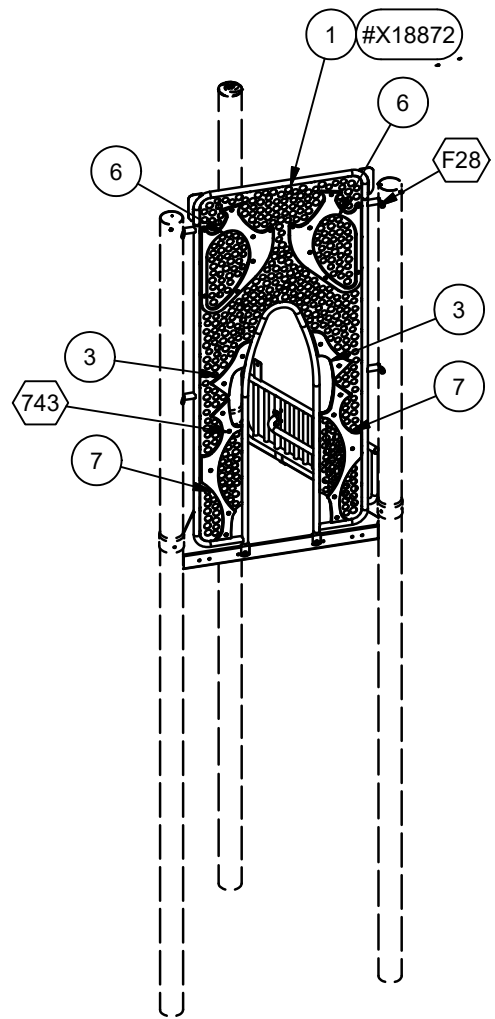
### INSTALLATION INSTRUCTIONS

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

**ASSEMBLY DRAWING**



**STEP 1**



**STEP 2**

# PowerScape®

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1-800-235-2440

ISSUED/REVISED: 9/17/18

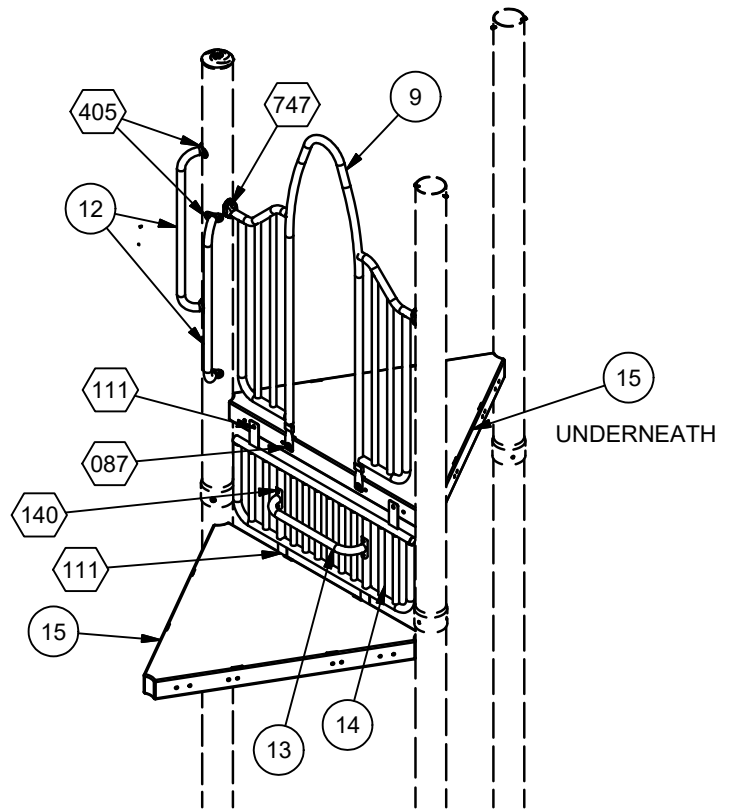
# 3967RP ARCHWAY, RUNG & FILLER KICKPLATE & HANDHOLD

⬡ = 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**

Parts List			
REF.	DESCRIPTION	QTY	PART#
1	ARCHWAY PANEL WELD ASS'Y	1	X18872
2	MEDIUM PANEL WELD ASS'Y	1	X18882
3	PANEL TRIM	2	X18895
4	PANEL TRIM SMALL	2	205277
5	PANEL TRIM LARGE	2	205278
6	SHADOW GROVE TRIM SMALL	2	205310
7	ENTRYWAY TRIM	2	205292
8	NARROW KICK PLATE	1	X18005
9	ARCHWAY w/INFILL WELD ASS'Y	1	204183
10	FILLER/KICK PLATE	1	139253
11	CHINNING BAR ASSEMBLY	6	165794
12	HANDHOLD WELD ASSEMBLY	2	177207
13	STEP RUNG WELD ASS'Y	1	177581
14	STEP KICK PLATE WELD ASS'Y	1	205091
15	PUNCHED TRIANGLE DECK	6	163317
16	HEX PANEL WELD ASS'Y	6	203127
17	HEX ROOF UPRIGHT CAP	6	203160
	TRU-LOC	2	A03650
	<b>HARDWARE COMPLETE</b>	1	3967HW
	1/4" CHERRY-MATE RIVET	52	135499*
	1/4" FLAT WASHER (5/8" O.D.)	52	817408*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	46	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	24	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	32	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	21	812053*
	3/8" x 1 1/2" P.B.H.C.S.	70	810053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" FLAT WASHER	119	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	94	817424*
	3/8" LOCK WASHER	195	817334*
	3/8" HEX NUT	60	804053*
	3/8" T-NUT	14	804556*
	SELF SEALING POP-RIVET	2	140068*
	ALUM. PIN	2	203568*
	#12 x 3/4" SS SELF DRILLING SCREW	12	810072

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.**



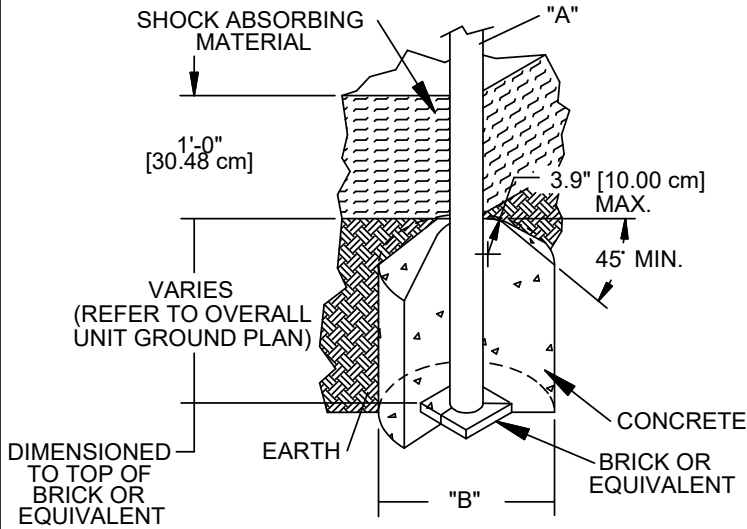
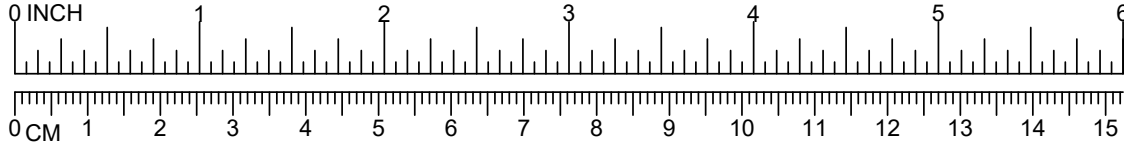
## DETAILS -for- 3967RP

**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.



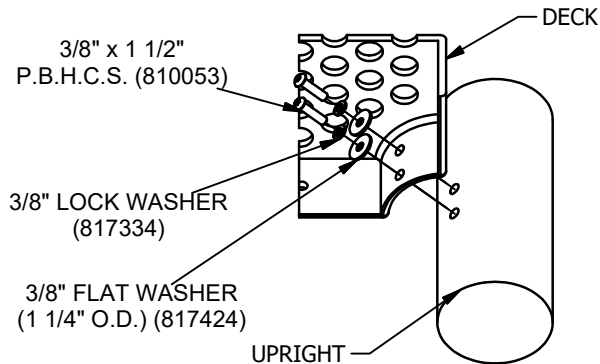
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



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

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



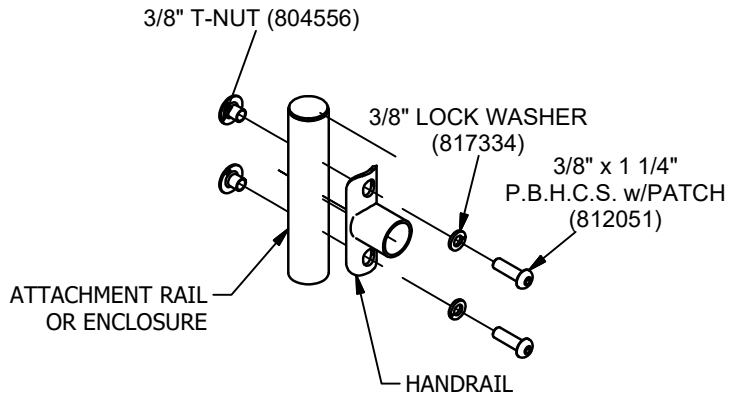
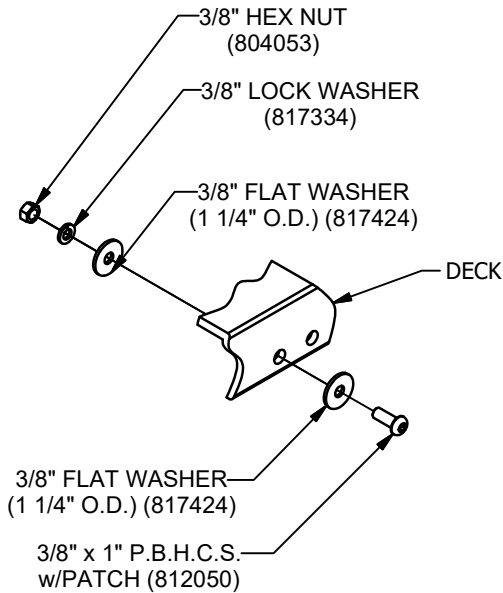
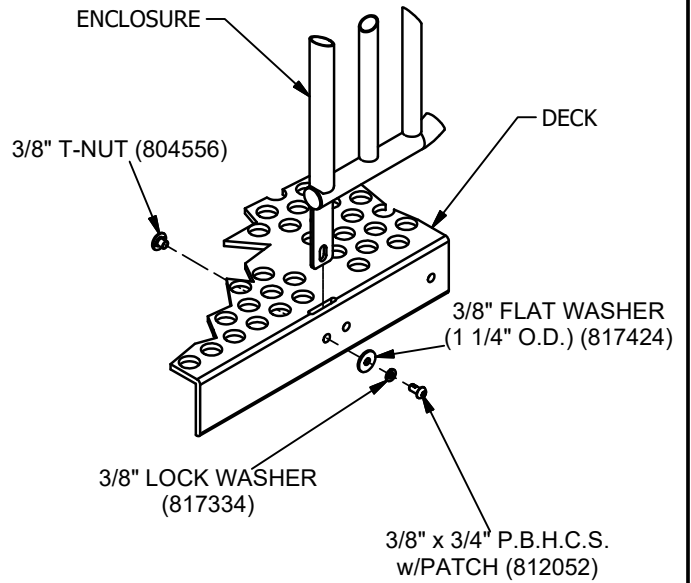
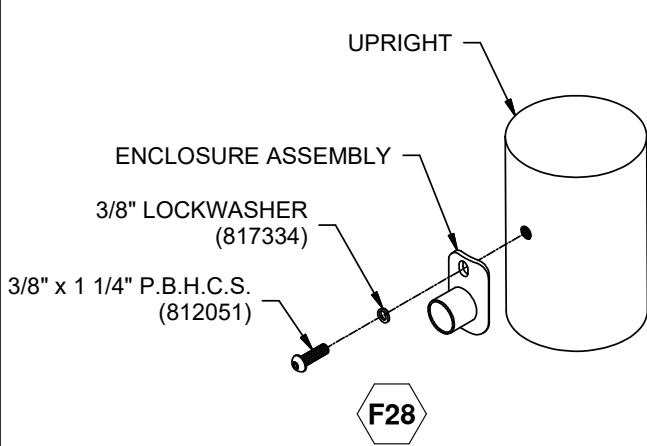
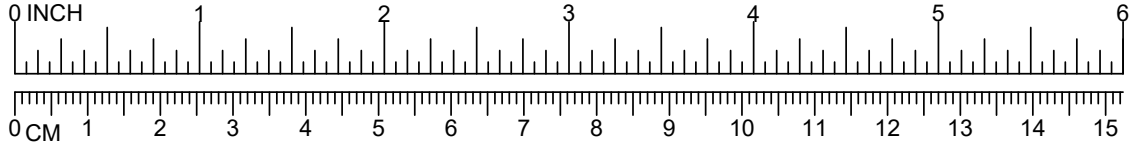
# DETAILS -for- 3967RP

**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.



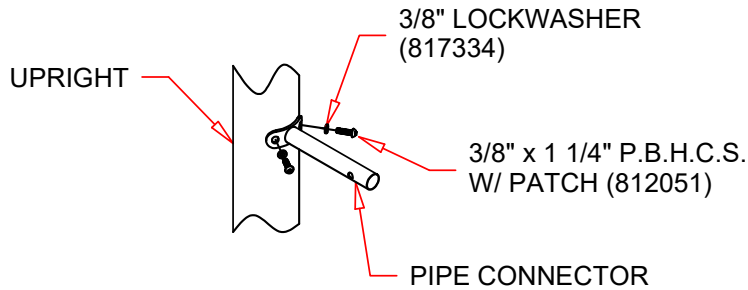
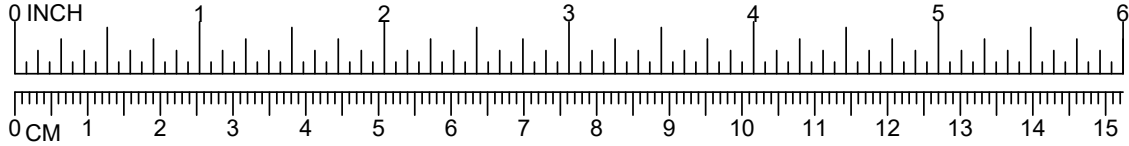
# DETAILS -for- 3967RP

**IMPORTANT**

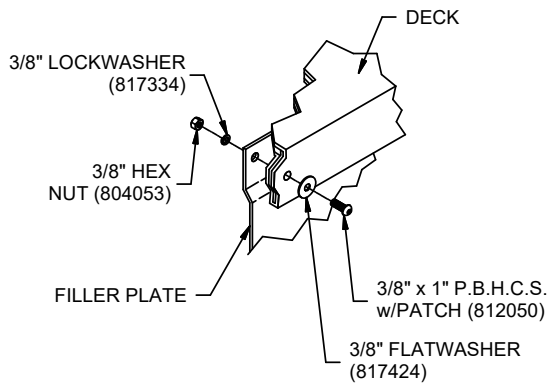
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
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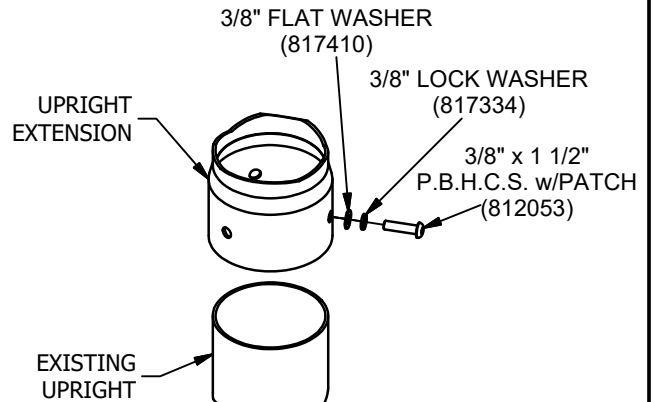
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



**405**



**133**



**'B'**

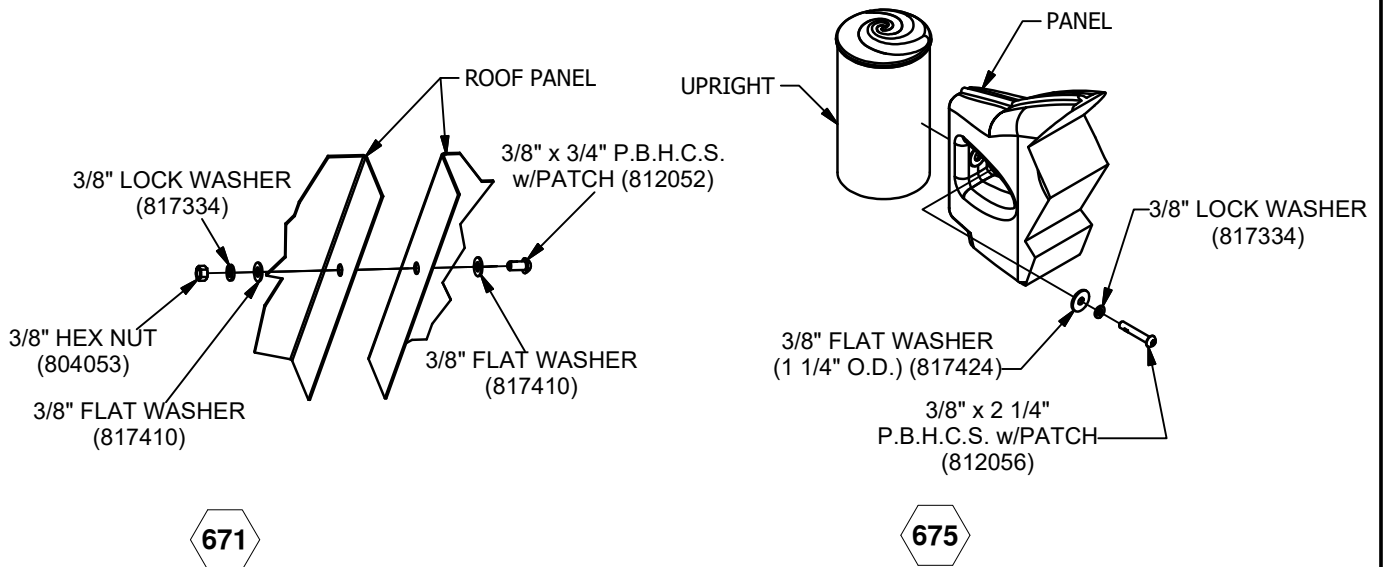
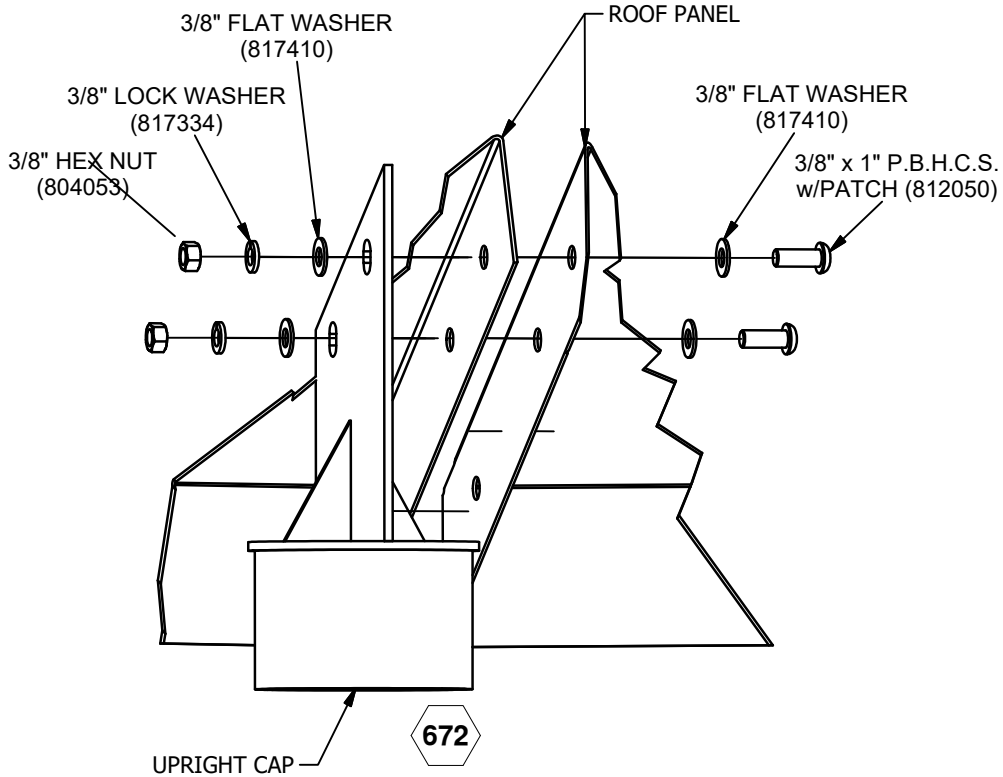
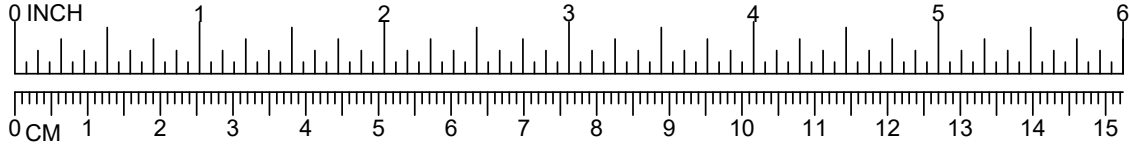
# DETAILS -for- 3967RP

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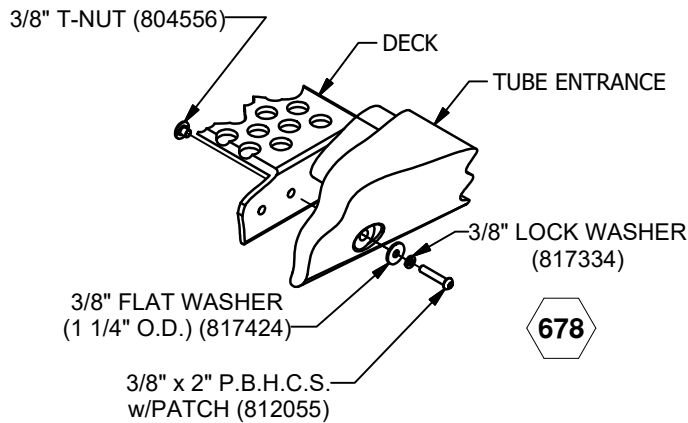
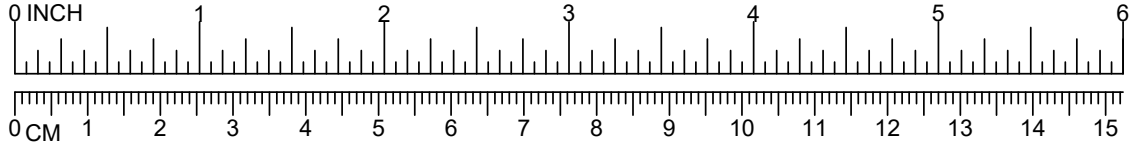
# DETAILS -for- 3967RP

IMPORTANT

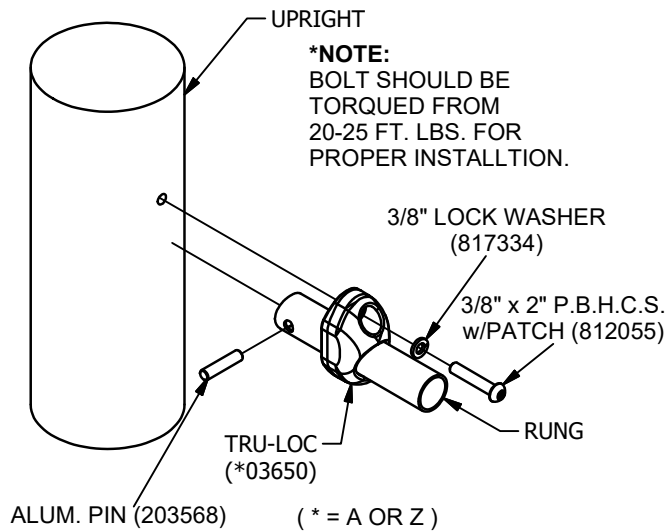
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678



747

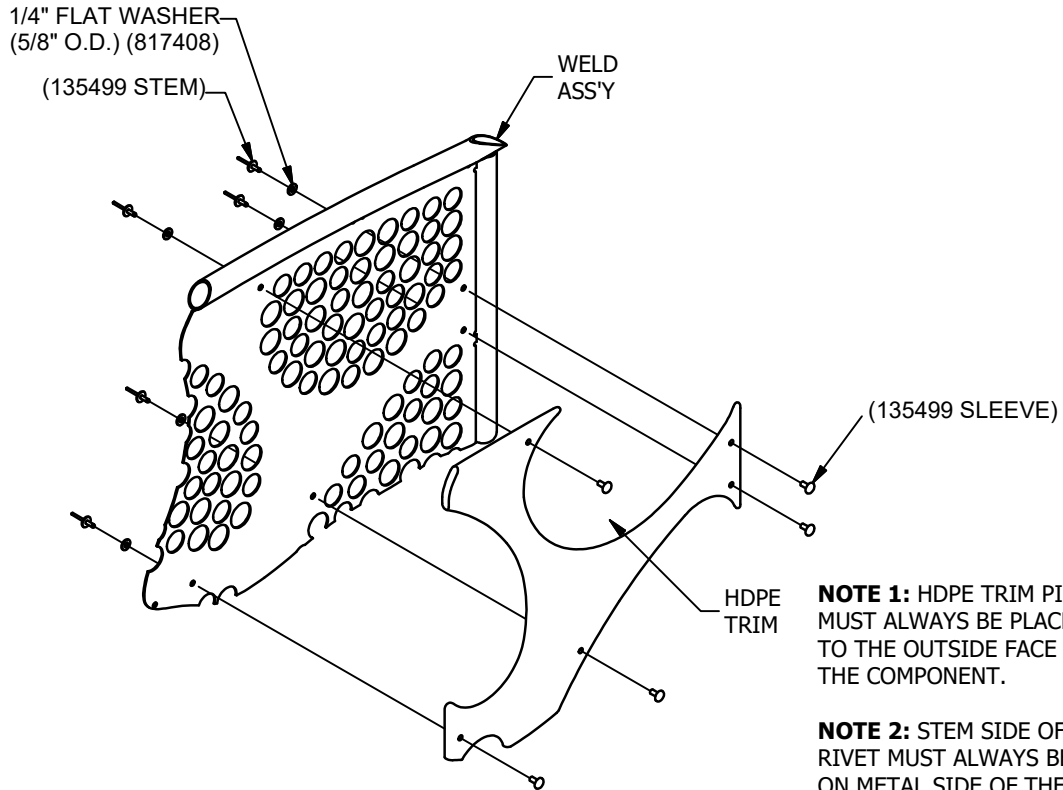
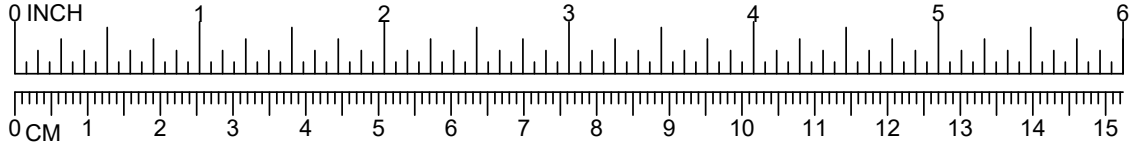
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

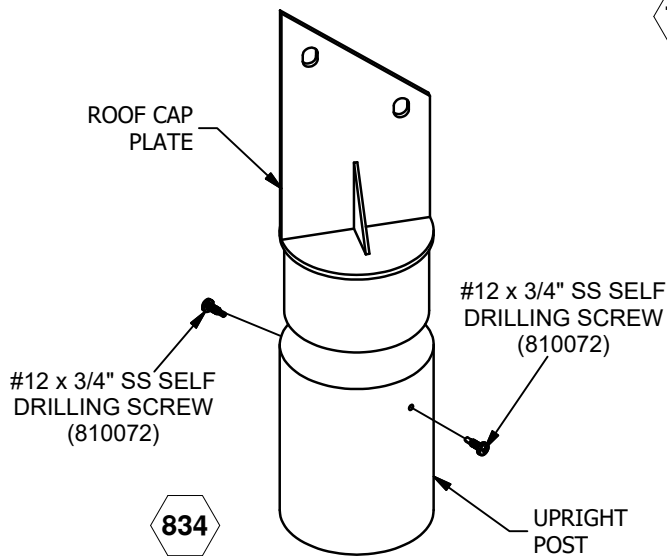
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.



**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

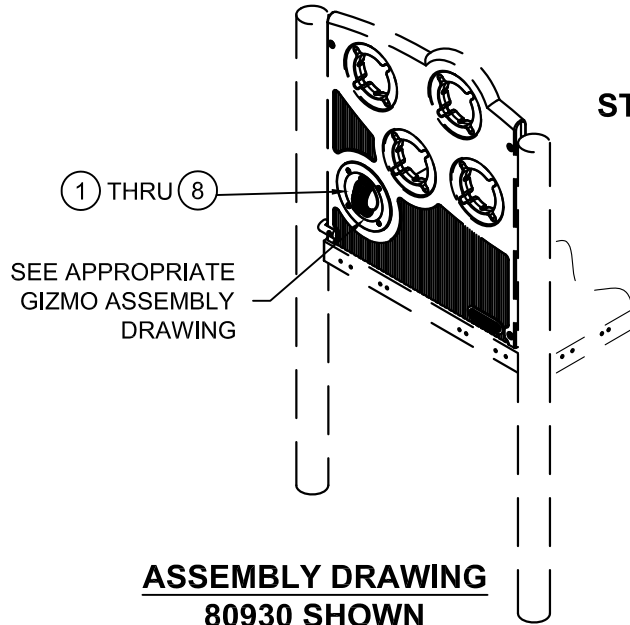
743



834

ISSUED/REVISED: 09/23/13

-  = INSTALLATION  
 DETAIL  
 = PARTS LIST  
 REFERENCE



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

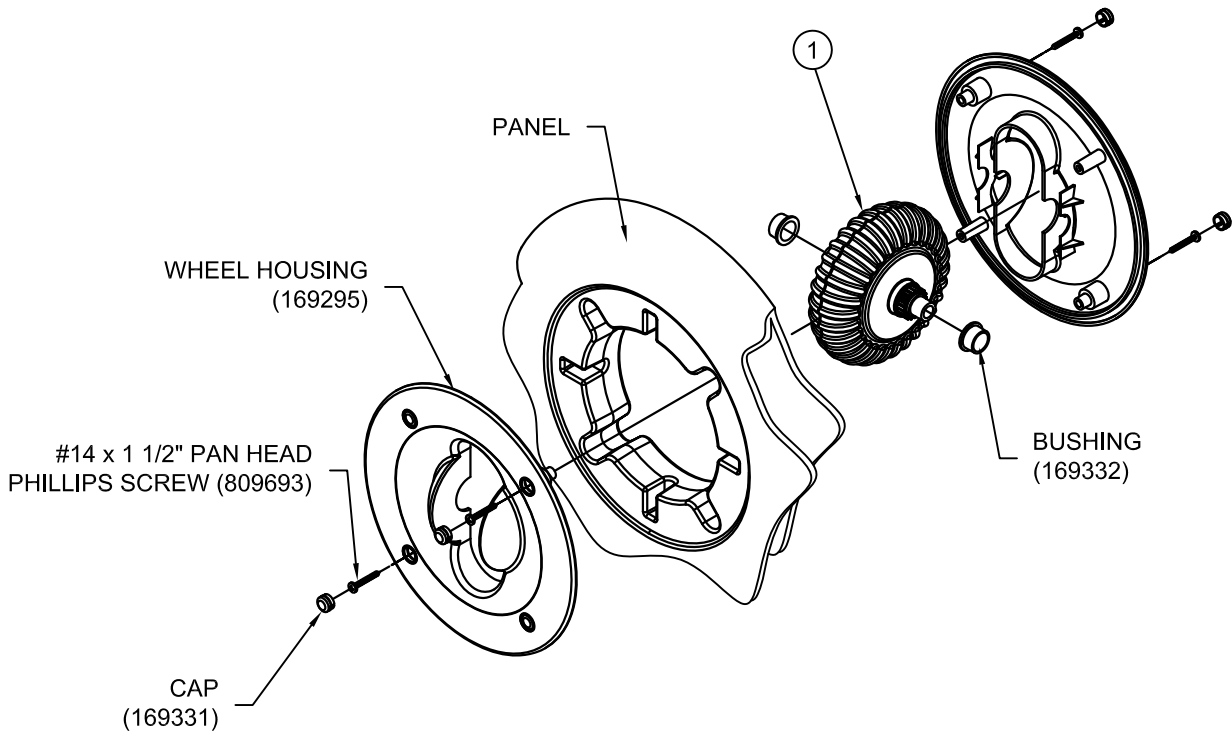
**PARTS LIST**

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**

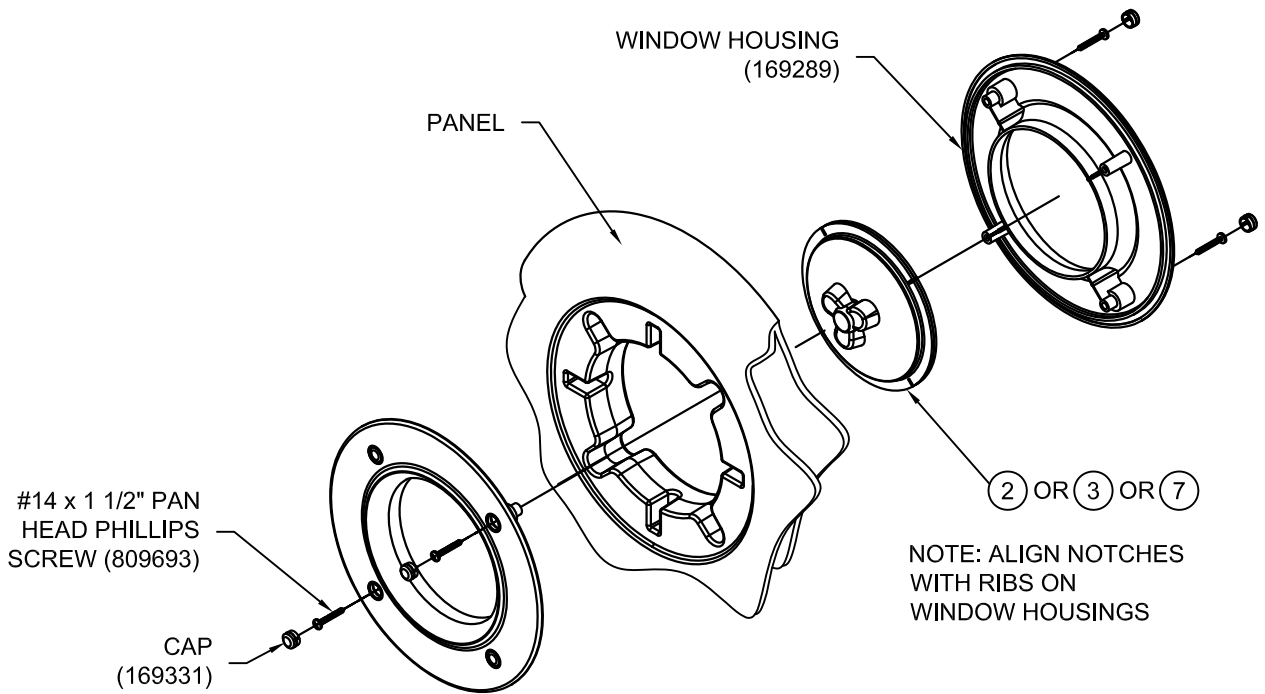
*Unless Otherwise Specified, All Units of Measure are Each  
 \*\* Included in Assembly*

**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

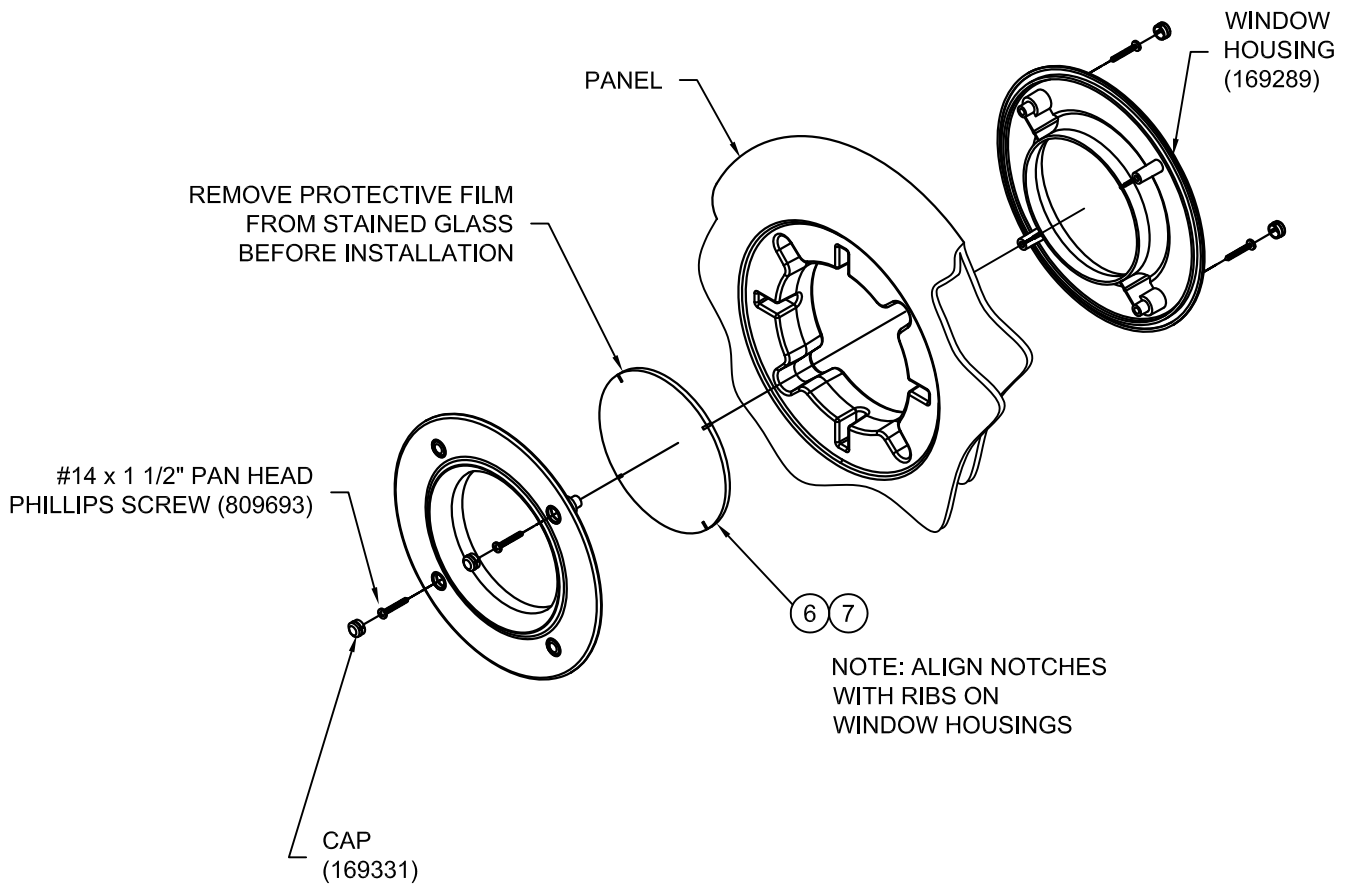
#14 x 1 1/2" PAN HEAD PHILLIPS  
SCREW (809693)

CAP  
(169331)

5

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

**ASSEMBLY DRAWING  
4843**



**ASSEMBLY DRAWING**  
**4845/4846**





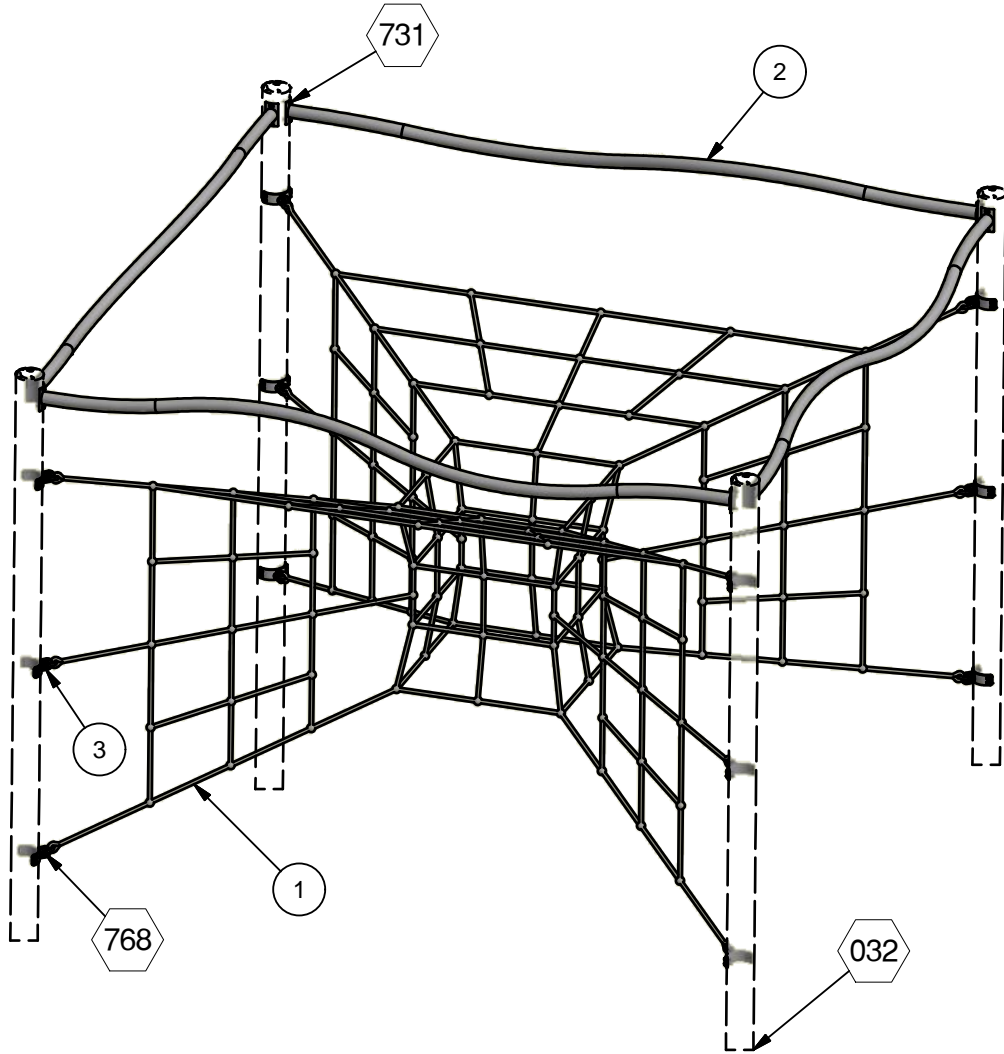
A PLAYCORE Company

1-800-235-2440

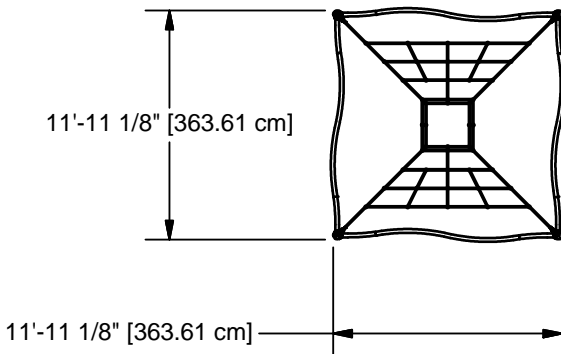
ISSUED/REVISED: 11/14/2018

# 5121 KidNetix ROPES COURSE CUBE NET CLIMBING NET STRUCTURE

-  INSTALLATION = DETAIL
-  PARTS LIST = REFERENCE



**ASSEMBLY VIEW**



**TOP VIEW**

## SET UP INSTRUCTIONS

NOTE: 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 F-1487 (U.S.) or CAN/CSA-Z-614 (CANADA).

NOTE: The ASTM use zone and CSA protective surfacing zone are determined by extending the product outside dimensions shown a minimum additional distance of 6 feet (1.8 M) in all directions.

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

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

NOTE: Read installation instructions thoroughly before starting assembly. Pour concrete only after final assembly is completed. Bracing material is 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: It is important to check the hole location in the upright and on the drawings while assembling this product. NOTE: Place a brick or equivalent at the bottom of ground holes (where shown), to provide a solid foundation. Allow for this in the hole depth.

STEP 1: Dig holes according to Ground Plan. See Ground Plan and Footing Detail for dimensions, and notes regarding surfacing, etc. NOTE: Due to extremes in weather and soil conditions, hole size may have to be increased to meet local conditions.

STEP 2: Place one Upright into each hole making sure it rests on the brick.

STEP 3: Attach the Cross Bar Assembly to the uprights as shown in Detail 731.

STEP 4: Assemble KidNetix Ropes Course Net as required.

STEP 5: Attach the KidNetix Ropes Course Net to the Uprights as shown in Detail 768.

STEP 6: Level and plumb. Pour concrete. See Detail 032.

## SPECIFICATIONS

**KidNetix ROPES COURSE NET:** The KidNetix Ropes Course Net shall be 18MM dia. polyamide (nylon) rope cable with UV protection: 6 strands each containing 19 steel reinforcing (0.6mm) strands within a polyamide sleeve wrapped around a reinforcing steel core; each end having a stainless steel connector.

**MOUNTING TAB:** The net mounting tabs shall be fabricated from 3/16" hot rolled steel, formed to match and bolted directly to 5" O.D. uprights with 3/8" stainless steel hardware. The tabs shall be coated with a custom formula of TGIC polyester powder coating.

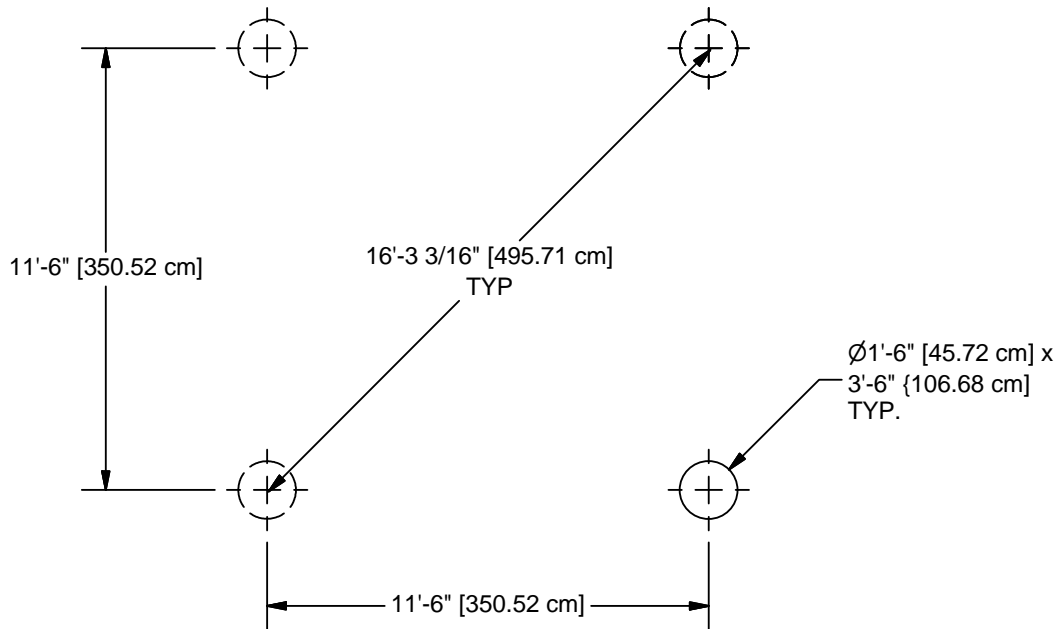
**POWERSCAPE STEEL UPRIGHTS:** Shall be 5" outside diameter, 11 gauge (.120") galvanized round tubing, manufactured to ASTM A-500 Section 10 tolerances from cold-formed steel conforming to ASTM A-569. Minimum yield strength shall be 50,000 psi and minimum tensile strength shall be 55,000 psi. The exterior surface is hot dip galvanized, chromate conversion coated, and a clear high performance organic polymer is applied. The inside diameter has 81% minimum zinc rich primer capable of providing excellent rust protection and fabrication characteristics. All coatings are applied inside and out after welding for superior corrosion protection throughout. Exterior surface galvanizing zinc purity is 99% as per ASTM B-6 high grade and special high grade. All upright post shall have a finished surface line mark, to indicate proper burial depth. All upright posts shall be coated with a custom formula of TGIC polyester powder coating.

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

**CROSSBAR:** The Crossbar weld assembly shall be constructed of 2.375" galvanized steel, welded to 3/16" stainless steel tabs. The Crossbar shall be coated with a custom formula of TGIC polyester powder coating.

**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. Galvanizing coverage shall demonstrate the ability to exceed 1000 hours salt spray corrosion exposure in accordance with ASTM B-117. Internal surface zinc rich 81% minimum zinc dust content in organic resin, as per ASTM F-1234, Section 5.2.4, Type D.

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



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:**  
 .61 CUBIC YARDS  
 .48 CUBIC METERS

**GROUND PLAN**

**PART LIST**

REF	DESCRIPTION	QTY	PART NUMBER
1	CUBE NET	1	207592
2	TOP BAR WELD ASS'Y	4	206703
3	SINGLE TAB BRACKET	12	206504
	<b>HARDWARE COMPLETE</b>	1	207595
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	64	812051*
	3/8" LOCK WASHER	64	817334*
	3/8" FLAT WASHER	64	817410*
	1" O.D. NYLON BUSHING	24	166496*

*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.**

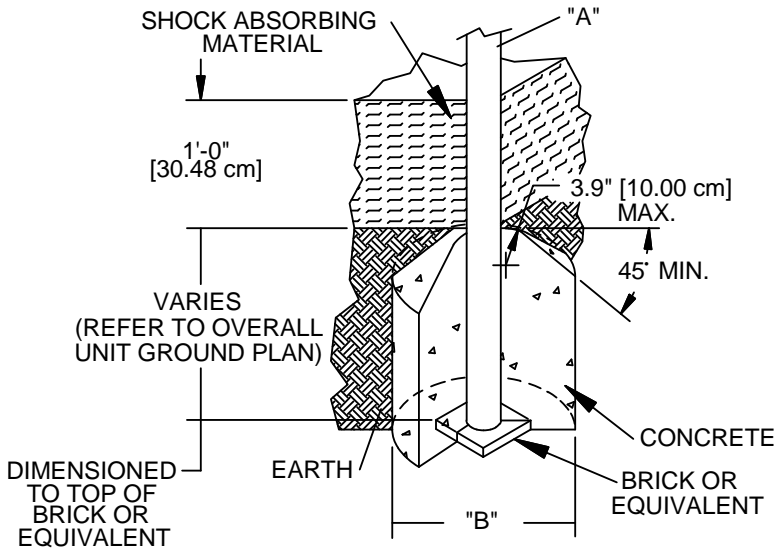
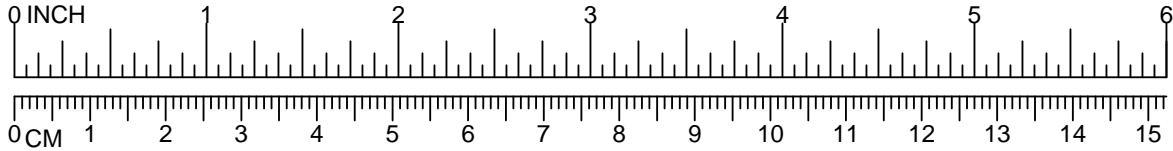
# DETAILS -for- 5121

**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.



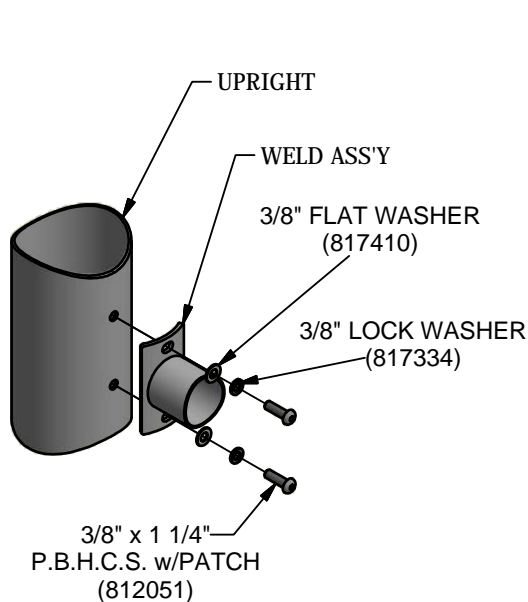
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

**NOTES:**

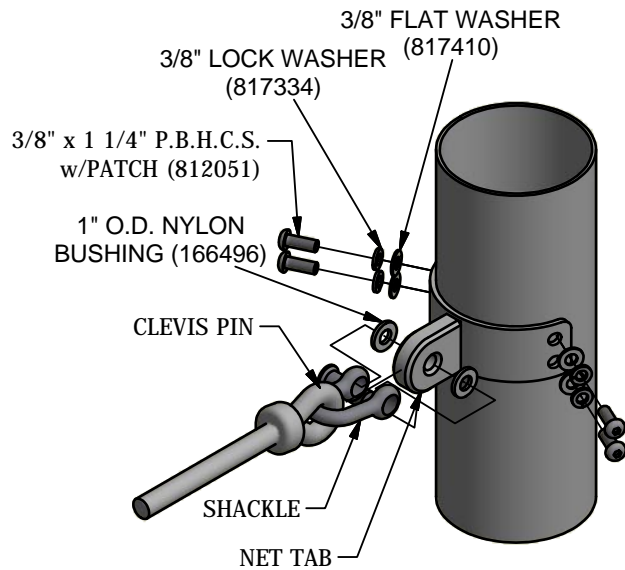
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



731



768





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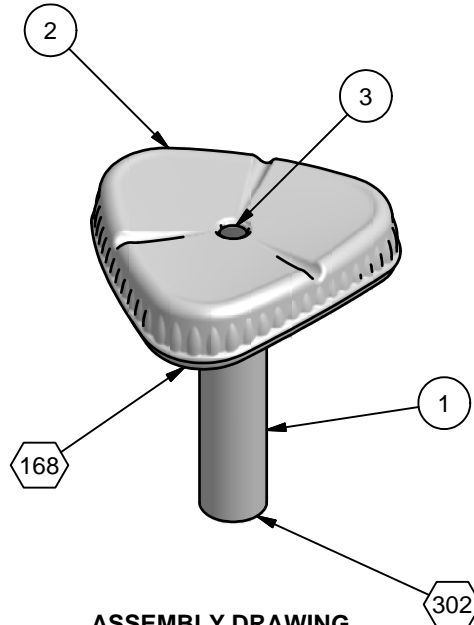
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6141

# MINI POD TOAD STOOL

ISSUED/REVISED: 8/5/2015

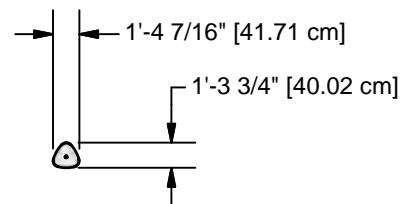
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



**ASSEMBLY DRAWING**

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

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



**TOP VIEW**



## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- All equipment should be installed on a soft, resilient, energy-absorbing ground surface. NEVER INSTALL PLAY EQUIPMENT ON CONCRETE OR ASPHALT. A fall on a hard surface can result in serious injury to the equipment user.
- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- Worn surfaces around equipment should be restored. Concrete footings should never be exposed. Surface depth should comply with installation instructions.
- Equipment should be placed to eliminate conflicting traffic patterns.
- 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.

### SPECIFICATIONS

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

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

**EXTENSION:** Shall be fabricated of 1.9" O.D. galvanized steel tubing with a wall thickness of .095"

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

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

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

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

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



NOTE: THIS SPECIFICATION BOOKLET SHOULD BE KEPT IN

CUSTOMERS FILE FOR FUTURE REFERENCE.

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

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

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

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

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

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

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

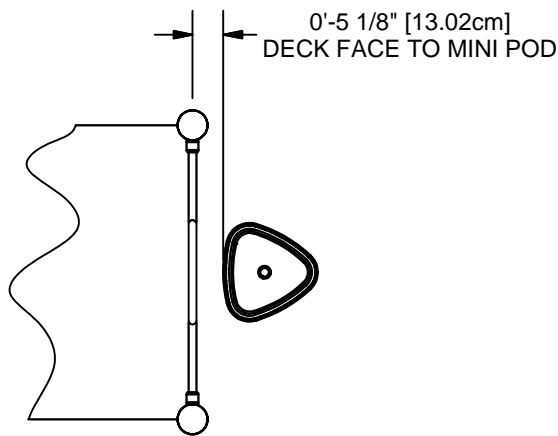
STEP 2: Insert the Plug into the Mini Pod and fasten the Mini Pod to the Mounting Post using detail 168

STEP 3: Tighten all connections. Plumb and level the Mini Pod Toadstool and pour concrete. ALLOW THE CONCRETE TO SET AT LEAST 72 HOURS BEFORE USE.

NOTE: After Installation, the Mini Pod height should be 1'-6" [45.72cm] above the protective surfacing.

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

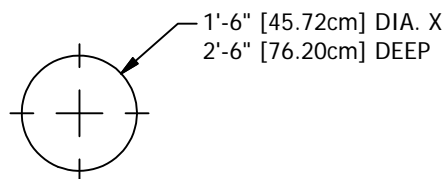
NOTE: Loctite (supplied by others) should be used on all threaded hardware.



**TOP VIEW**

\*THE SPACE BETWEEN MINI PODS WHEN USED ADJACENT TO EACH OTHER SHOULD NOT EXCEED 1'-6" [45.72cm] EDGE TO EDGE

**CONCRETE REQUIRED:**  
.10 CUBIC YARDS  
.07 CUBIC METERS



**GROUND PLAN**

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.

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

NOTE:  
SUGGESTED MINIMUM  
CONCRETE RATING: 3000 PSI

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	MOUNTING POST	1	209322
2	MINI POD	1	176364
	HARDWARE COMPLETE	1	176444
3	PLUG TOP	1	176441*
	3/8" x 1" B.H.C.S.	4	811050*
	3/8" LOCKWASHER	4	817334*
	3/8" FLAT WASHER	4	817410*
	3/8" x 6" HEX HEAD BOLT	1	801021*
	3/8" HEX NUT	1	804053*

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

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

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

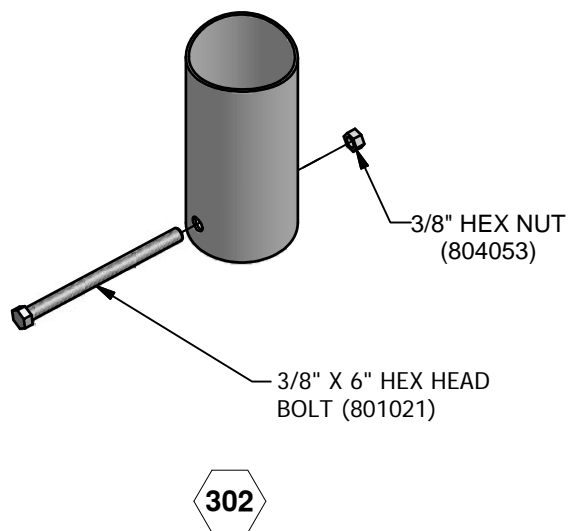
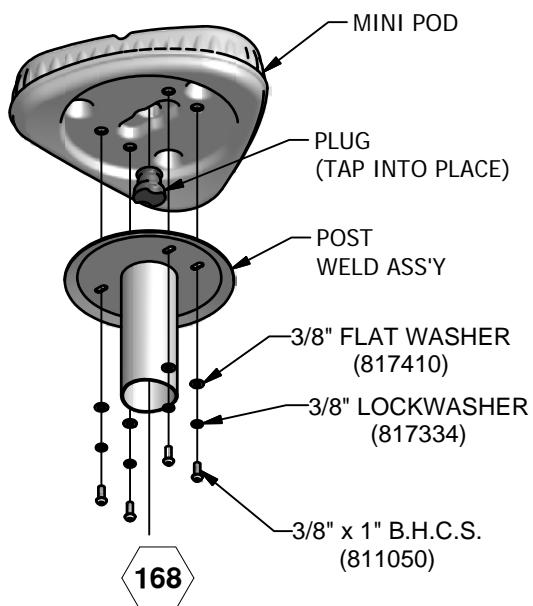
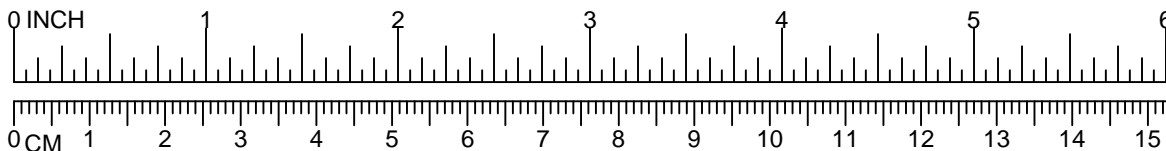
# DETAILS -for- 6141

## 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.





Enriching Childhood Through Play.

**1-800-235-2440**

**ISSUED/REVISED: 3/24/10**

- = INSTALLATION DETAIL
- = PARTS LIST REFERENCE

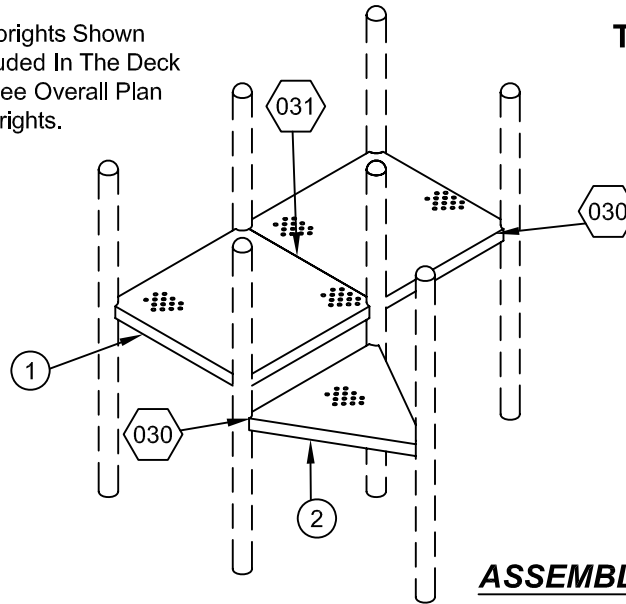
Note: The Uprights Shown Are Not Included In The Deck Packages. See Overall Plan View For Uprights.

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

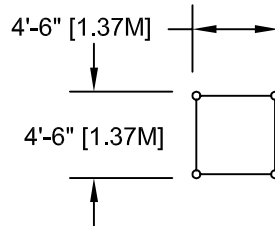
**INSTALLATION INSTRUCTIONS**

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.

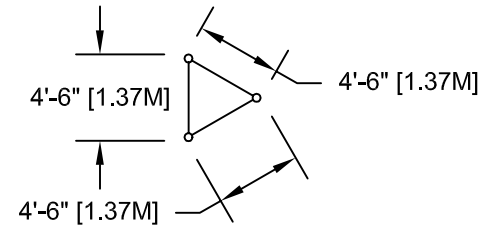
**NOTE:** Remove vinyl from the two inside holes, with 1/2" bit.



**ASSEMBLY DRAWING**



**80000**



**80001**

**TOP VIEWS**

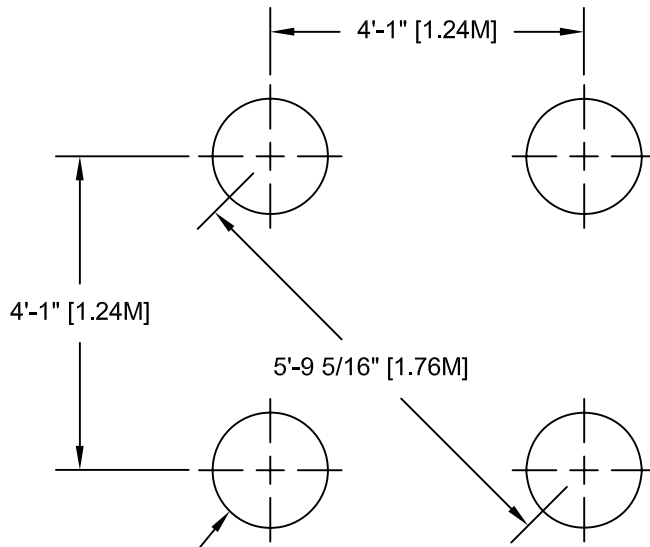
**PARTS LIST**

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.**

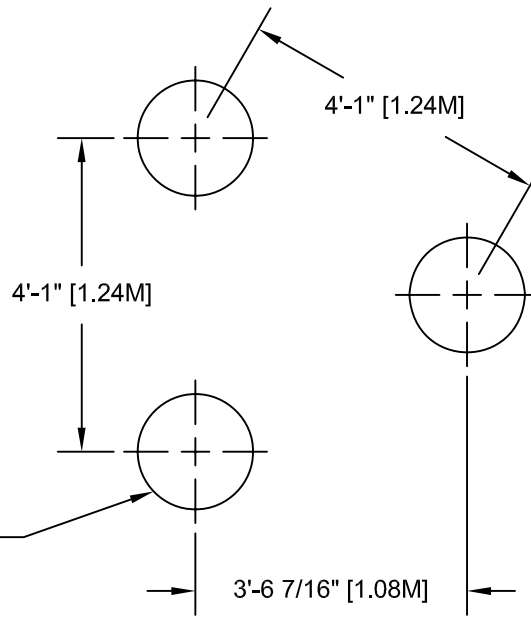


1'-6" [45.72 cm] DIA. x  
2'-6" [76.20 cm] DEEP  
(QTY. AS REQUIRED)  
SEE DETAIL 032

**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**

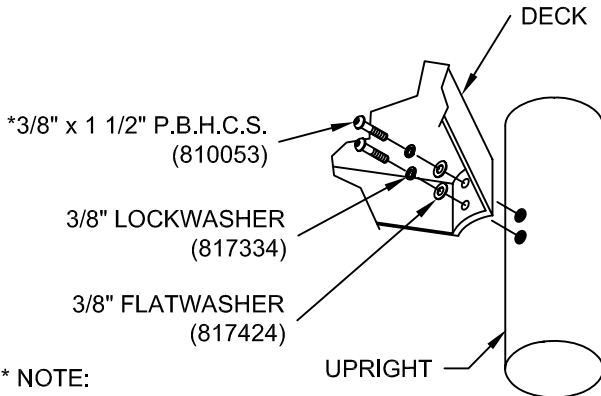
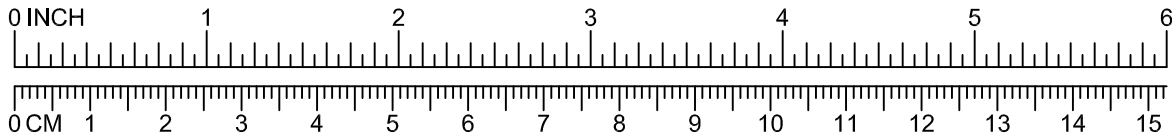
**GROUND PLANS**

# DETAILS -for- 80000 & 80001

**IMPORTANT**

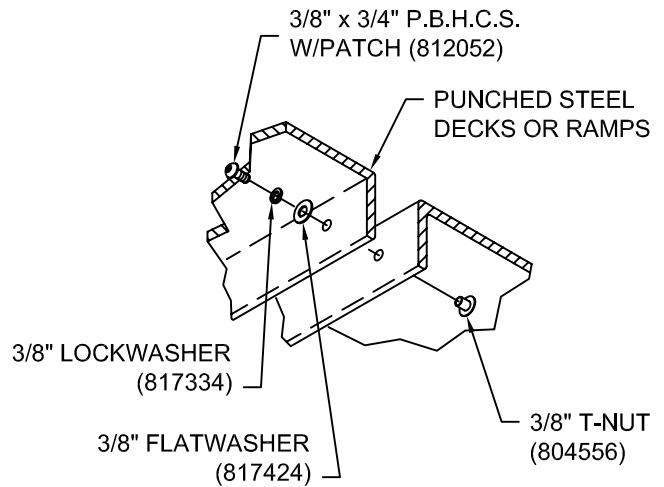
**To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.**

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



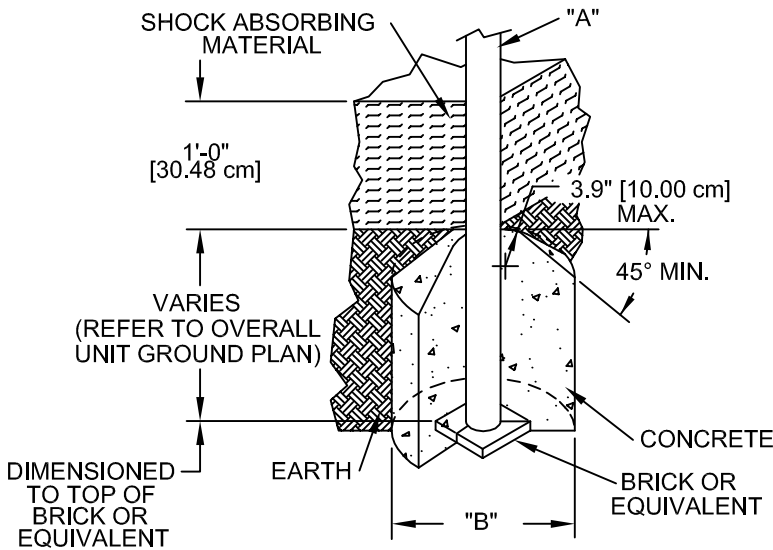
\* NOTE:  
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

\* 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

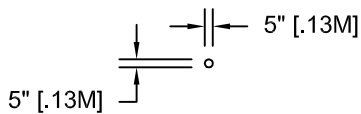
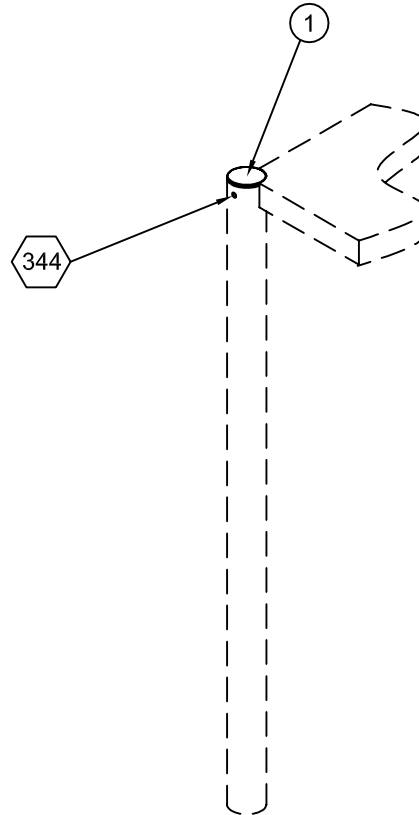
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

 = INSTALLATION  
DETAIL

 = PARTS LIST  
REFERENCE

**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	Coated Flat Cap Assembly	1	139454
	Drive Rivet	2	168449

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

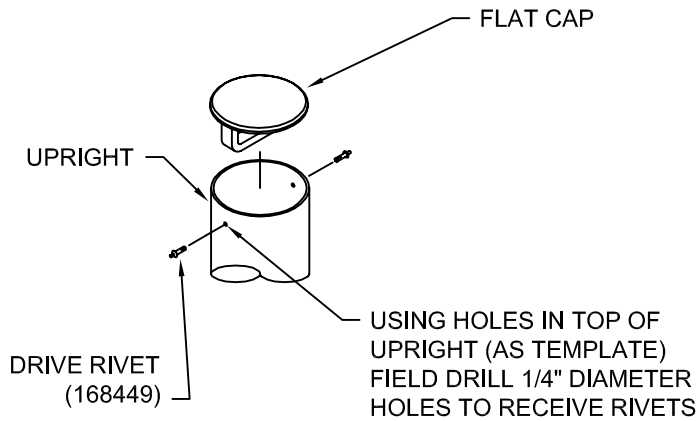
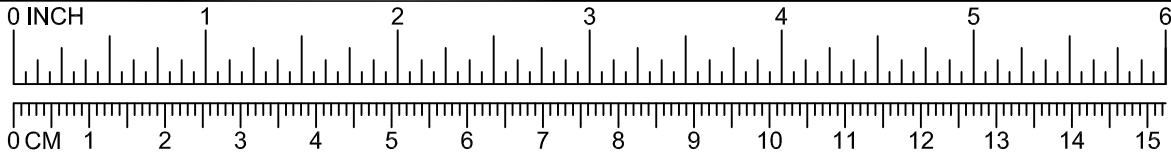
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.**

# DETAILS -for- 80076

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.

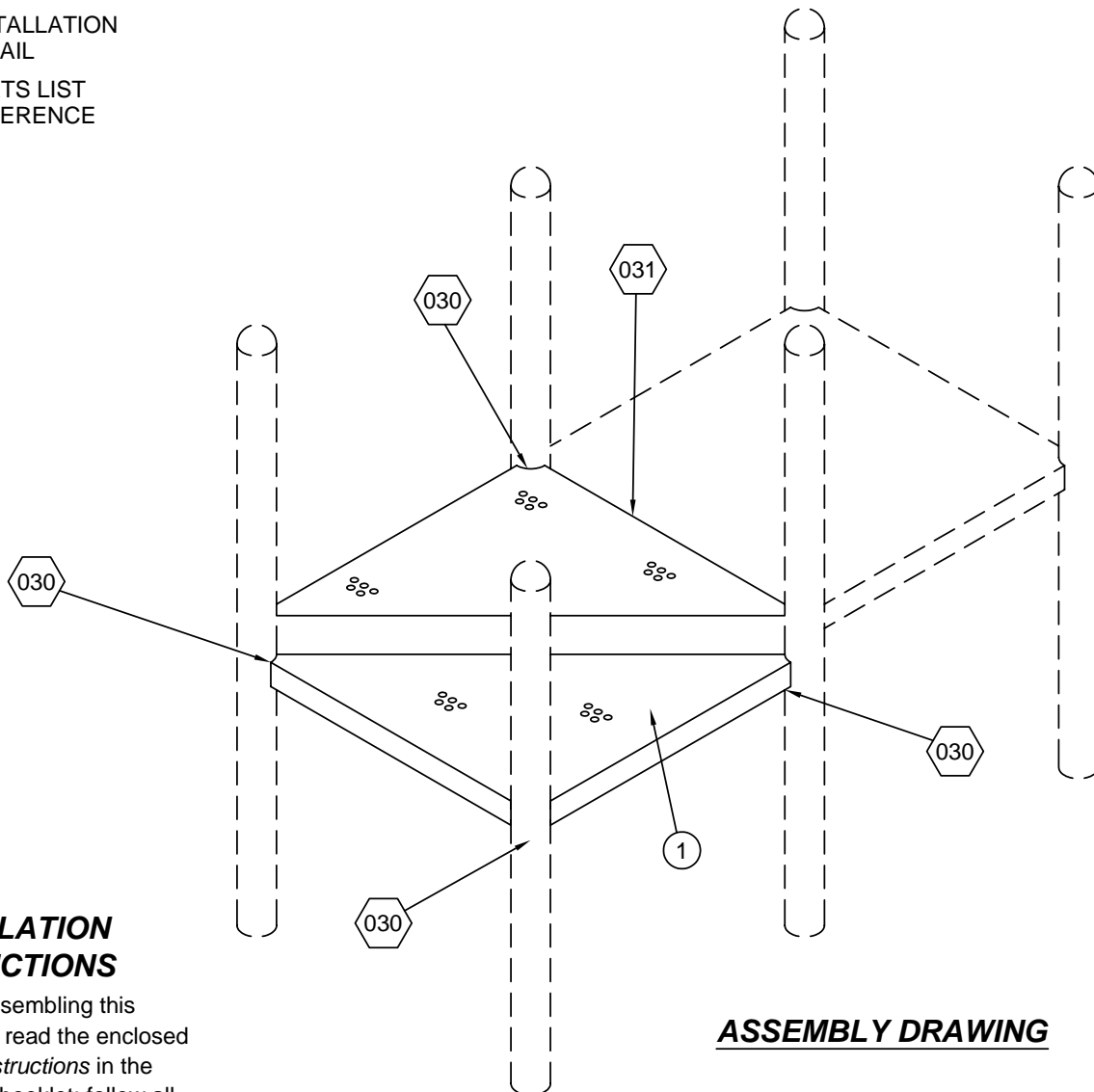


344



**6" STEPPED  
PLATFORM**

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE



**INSTALLATION  
INSTRUCTIONS**

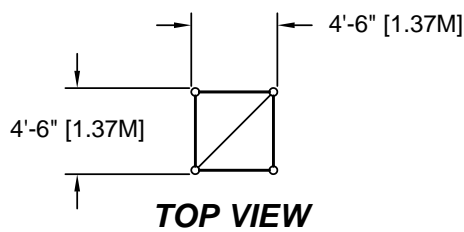
1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all the instructions during assembly.

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

3. Loctite (supplied by others) should be used on all non-patch hardware.

4. When Decks are at the same height shown in *Assembly Drawing*, fasten together using (2) Detail 031. *Note:* Remove Vinyl from the two inside holes, ream with 1/2" bit.

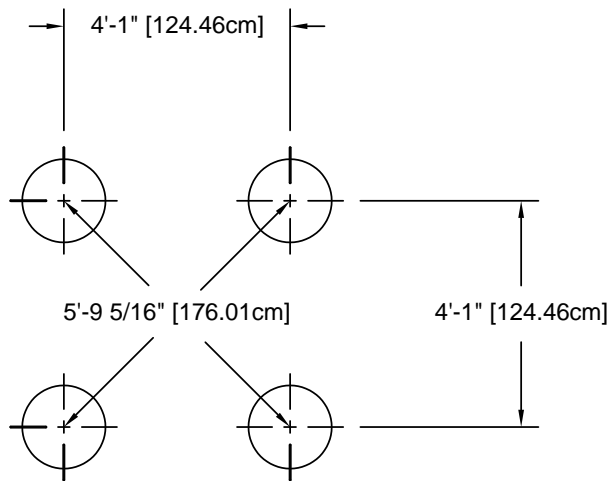
**ASSEMBLY DRAWING**



SUGGESTED MINIMUM  
CONCRETE RATING:  
3000 PSI.

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

CONCRETE REQUIRED  
.39 CUBIC YARDS  
[.30 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.

***PARTS LIST***

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	6" Stepped Platform	2	176223
	<b><i>Hardware Complete</i></b>	1	176315
	3/8" x 3/4" P.B.H.C.S. w/ Patch	2	812052*
	3/8" x 1 1/2" P.B.H.C.S.	12	810053*
	3/8" Tee-Nut	2	804556*
	3/8" Lockwasher	14	817334*
	3/8" Flatwasher (1-1/4" O.D.)	14	817424*

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

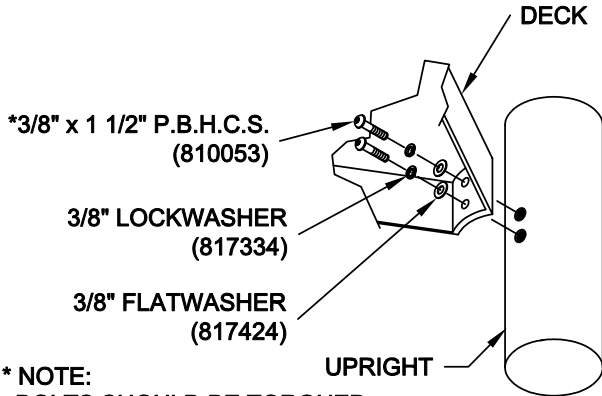
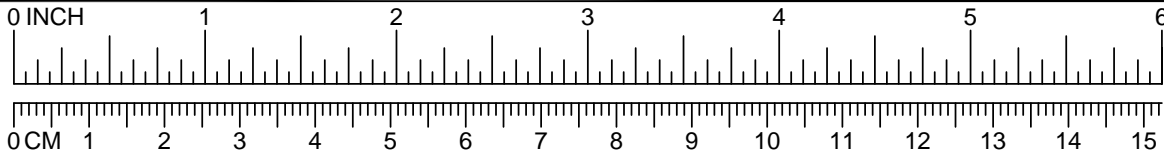
***Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.***

# DETAILS -for- 80078

**IMPORTANT**

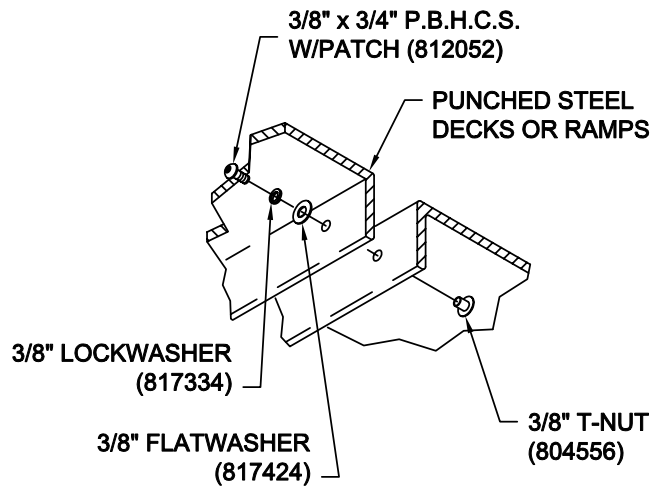
*To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding More Than Two Full Threads Beyond the Face of the Nut Shall Be Cut-Off Flush, Filed Smooth and Treated to Prevent Corrosion.*

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



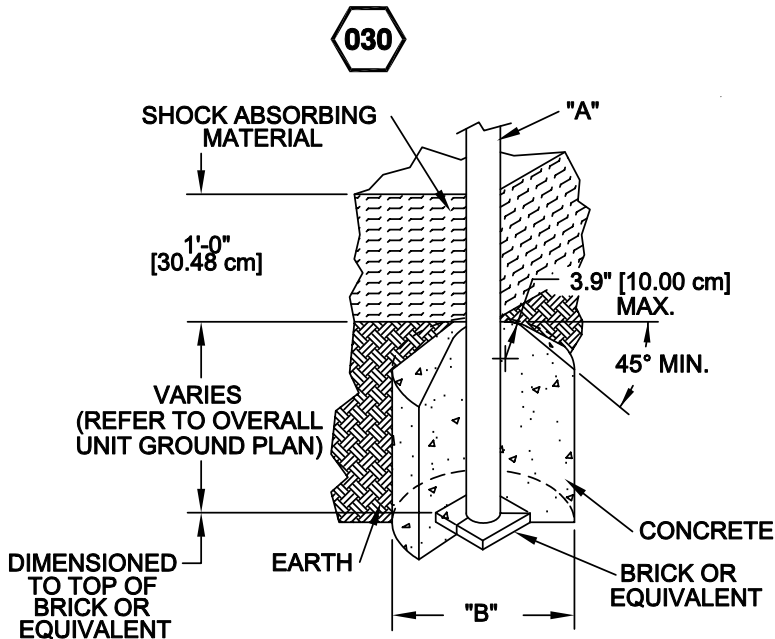
**\* NOTE:**  
BOLTS SHOULD BE TORQUED FROM 20-25 FT. LBS. FOR PROPER INSTALLATION.

**\* 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]
<b>TRACK RIDE &amp; SWINGS</b>	
5" [12.70 cm]	2'-0" [60.96 cm]
<b>TREE SCAPE</b>	
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

032

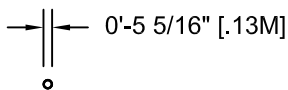
**SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.**

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

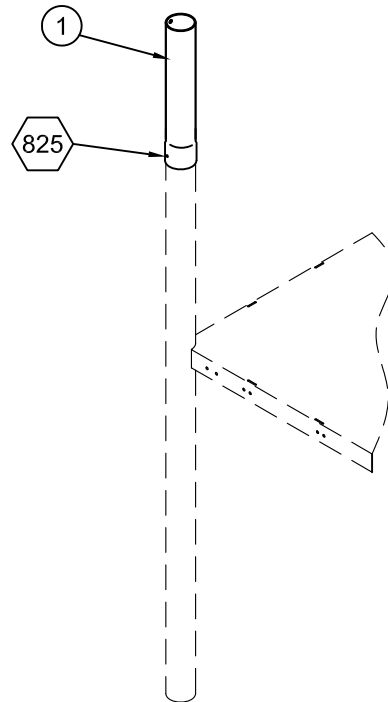
<b>ROOF EXT. 24" w/ INSERT</b>	<b>80166</b>
<b>ROOF EXT. 24" w/ RIVET</b>	<b>80167</b>
<b>ROOF EXT. 36" w/ RIVET</b>	<b>80168</b>

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



**TOP VIEW**



**ASSEMBLY DRAWING**

**PARTS LIST**

<b>REF. No.</b>	<b>DESCRIPTION</b>	<b>NUMBER REQUIRED</b>			<b>PART NUMBER</b>
		<b>80166</b>	<b>80167</b>	<b>80168</b>	
1	Roof Extension 24" with Insert	1	0	0	177450
1	Roof Extension 24" with Rivet	0	1	0	177458
1	Roof Extension 36" with Rivet	0	0	1	177460
	<b>Hardware Complete</b>	1	1	1	177650
	#12 x 3/4" SS Screw	3	3	3	810072*

*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.**

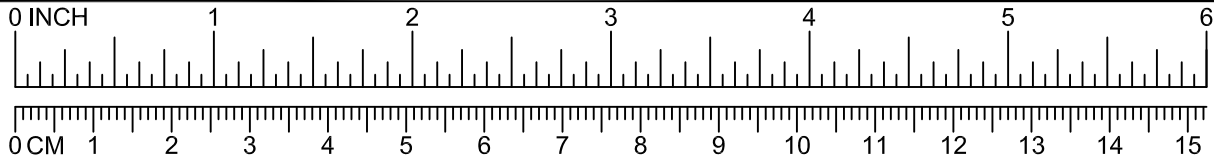
# DETAILS -for- 80166, 80167, & 80168

**IMPORTANT**

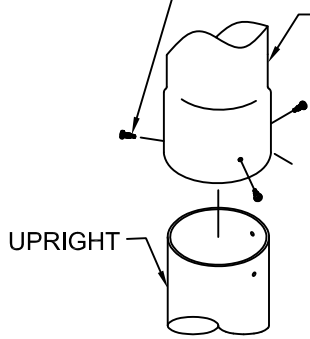
**To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.**

**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.**





#12 x 3/4 " SCREW (810072)



- NOTES:
1. MAKE SURE UPRIGHT EXTENDS COMPLETELY INTO EXTENSION BEFORE DRILLING.
  2. USING HOLES IN EXPANDED PORTION OF EXTENSION AS A TEMPLATE, FIELD DRILL (3 )Ø5/32" HOLES THROUGH UPRIGHT TO RECEIVE SCREWS.

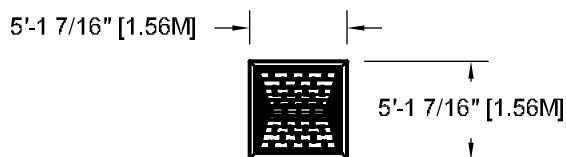


-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

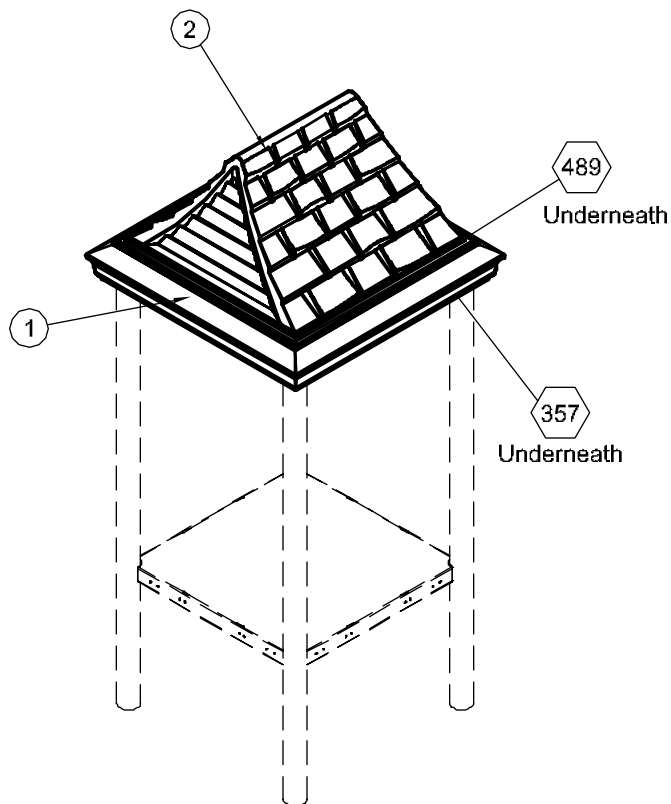
**SHINGLE ROOF 80187**  
**SLATE ROOF 80188**

### 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

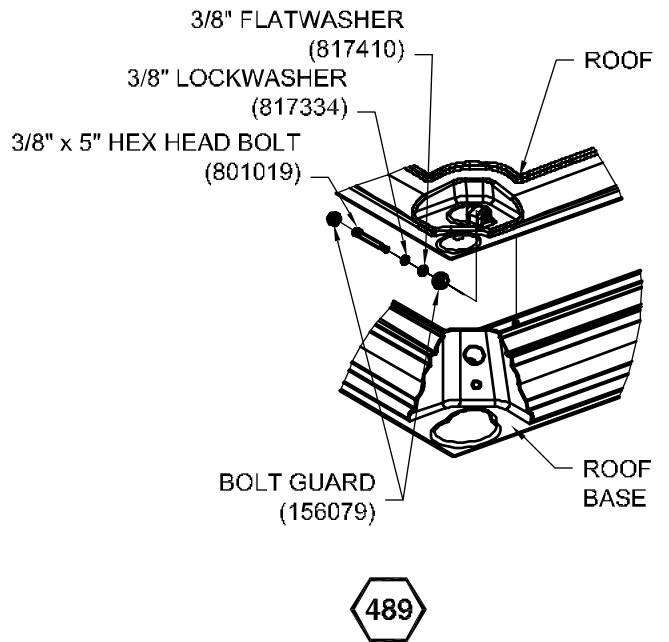
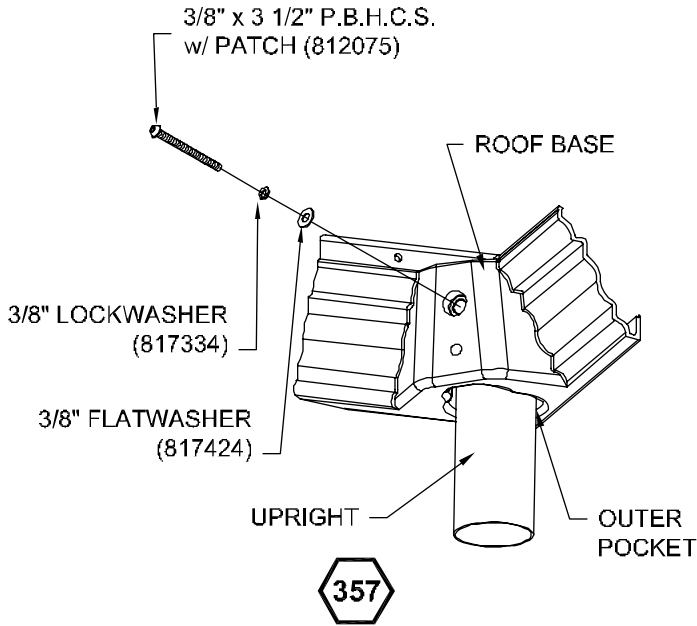
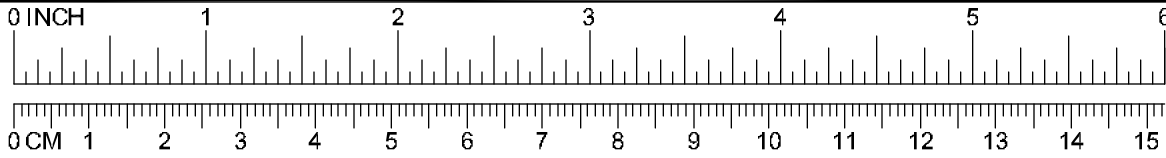
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.**

# 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.*

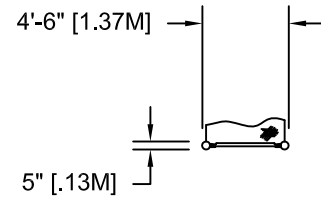
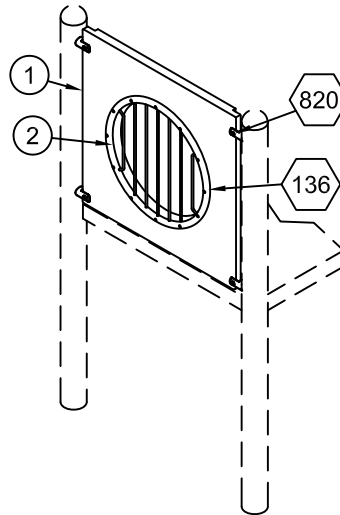




-  = INSTALLATION  
DETAIL
-  = PARTS LIST  
REFERENCE

**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	Enclosure Panel	1	135446
2	Zoo Enclosure	1	203182
	Panel Attachment Tru-Lock	4	W03861
	Hardware Complete	1	165095
	3/8" x 1 3/4" P.B.H.C.S. w/Patch	4	812054*
	3/8" x 3 1/4" P.B.H.C.S. w/Patch	12	812060*
	3/8" Lockwasher	20	817334*
	3/8" Flatwasher	4	817410*
	3/8" Tee Nut	16	804556*
	3/8" x 1 3/4" Hex Head Bolt	4	801006*

*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.**

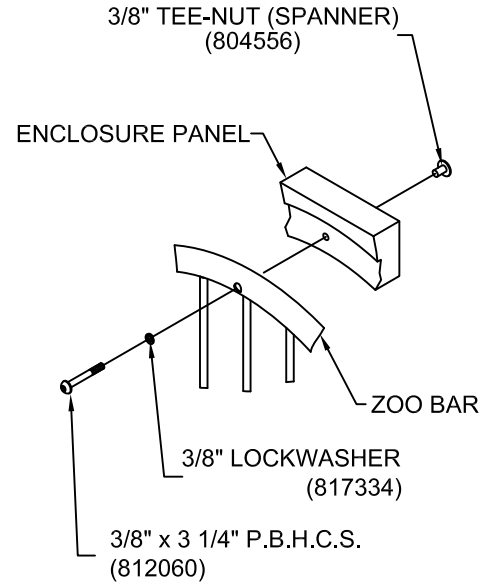
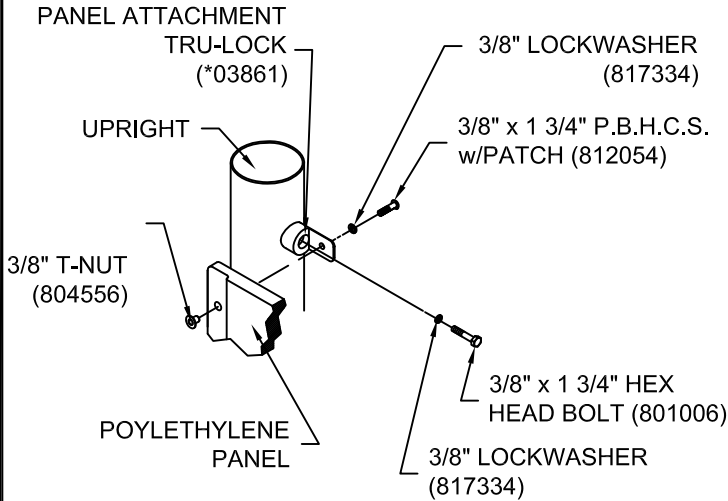
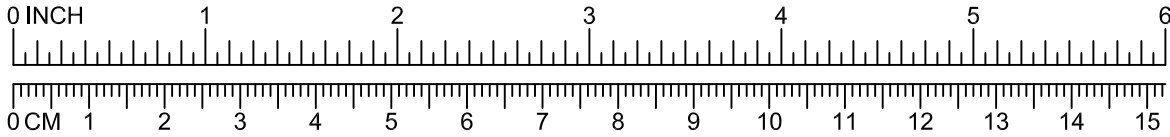
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# DETAILS -for- 80835

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



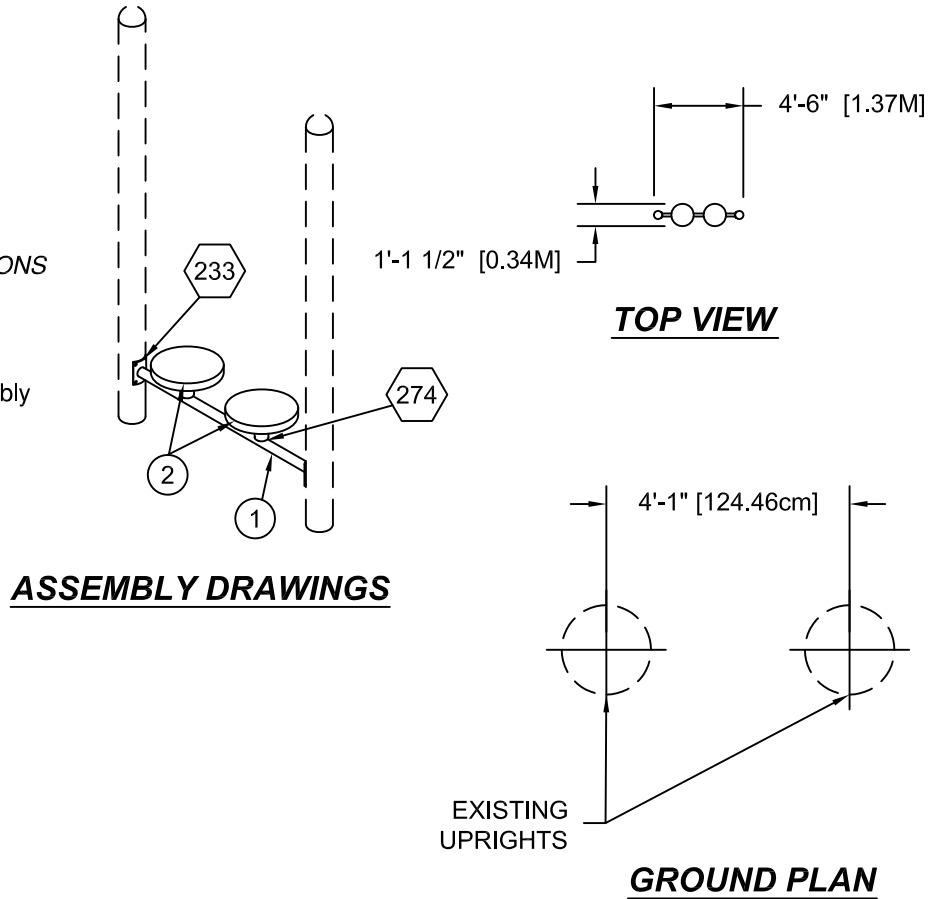
(\* = B, T, W, G, or K)



-  = 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.**

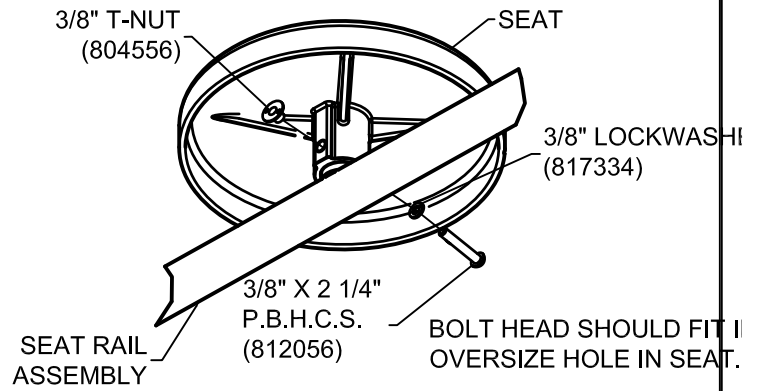
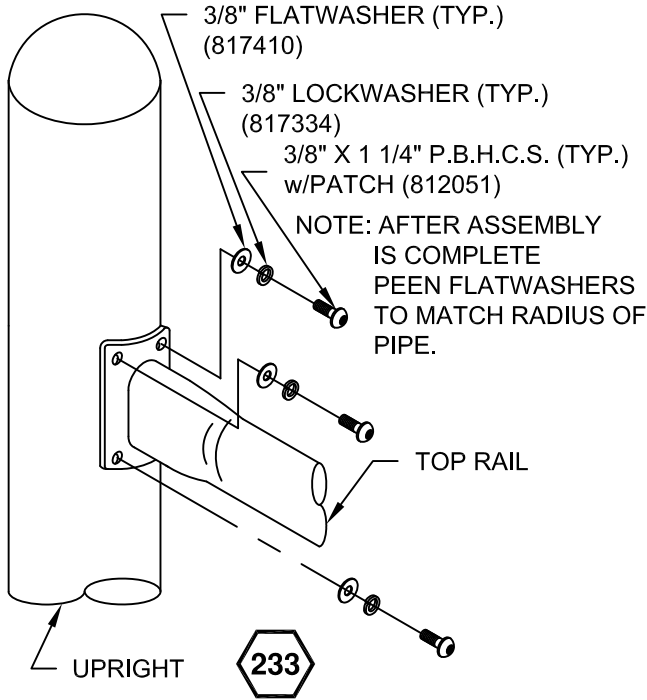
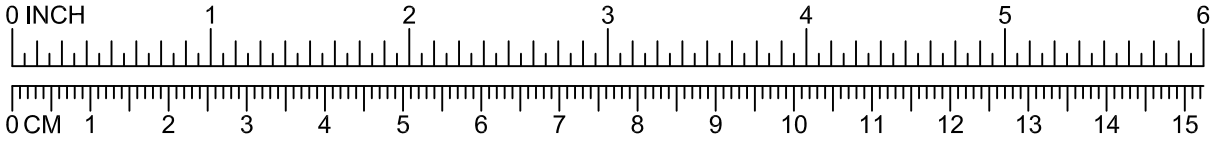
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# 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.

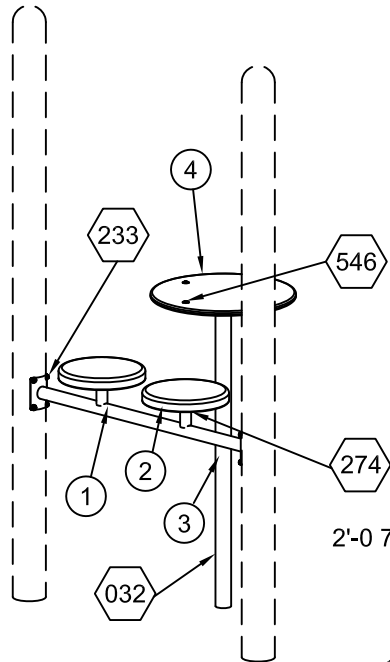


274

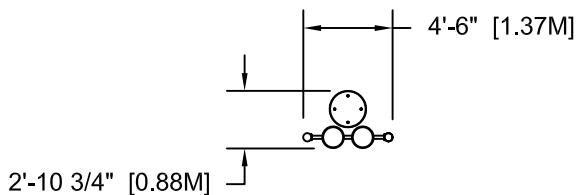
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

**INSTALLATION INSTRUCTIONS**

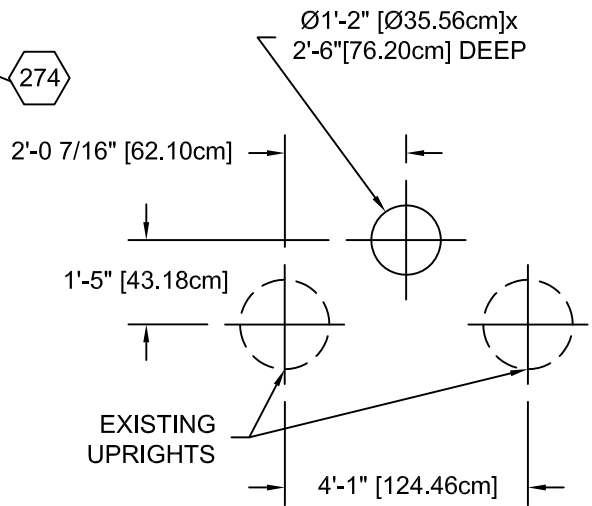
1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.



**ASSEMBLY DRAWING**



**TOP VIEW**



**GROUND PLAN**

**PARTS LIST**

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Seat Rail Ass'y	1	207780
2	Seat	2	207778
3	Table Support	1	302378
4	Table Panel	1	302361
	<i>Hardware Complete</i>	1	207796
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	8	812051*
	3/8" Lock Washer	10	817334*
	3/8" Flatwasher	12	817410*
	3/8" Barrel Nut	4	804804*
	3/4" x 3/4" P.B.H.C.S. w/Patch	4	812052*
	3/8" X 2 1/4" Hex Head Bolt	2	812056*
	3/8" Tee Nut	2	804556*

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

*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.**

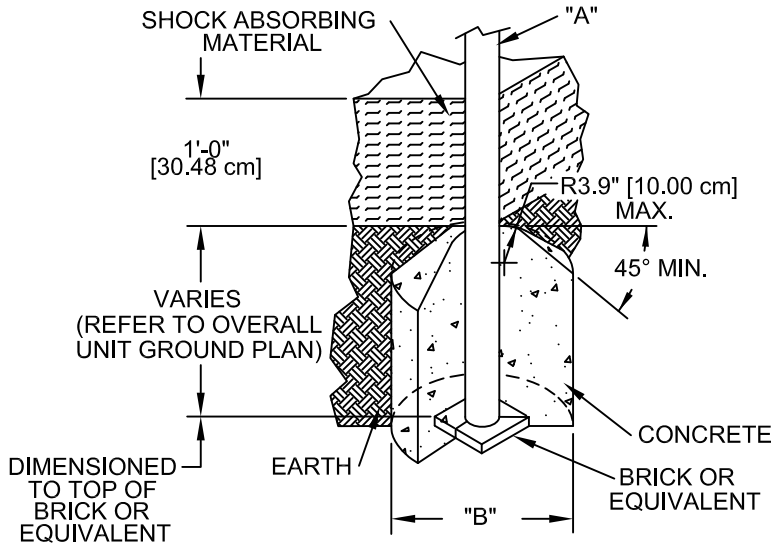
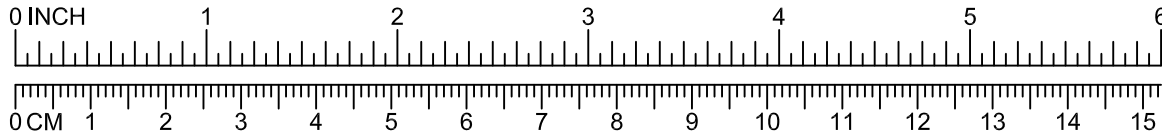
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# DETAILS -for- 81665

**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.**

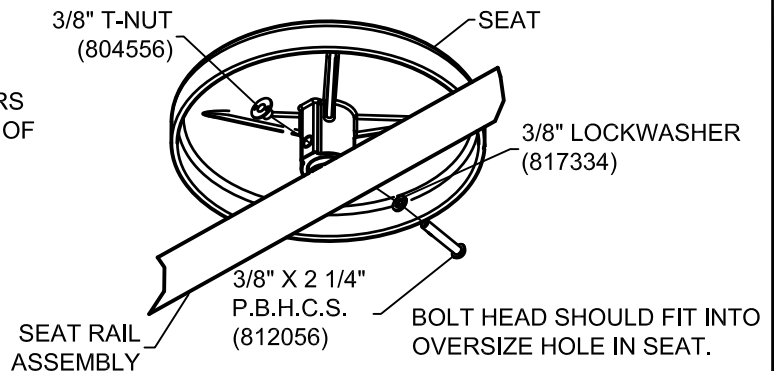
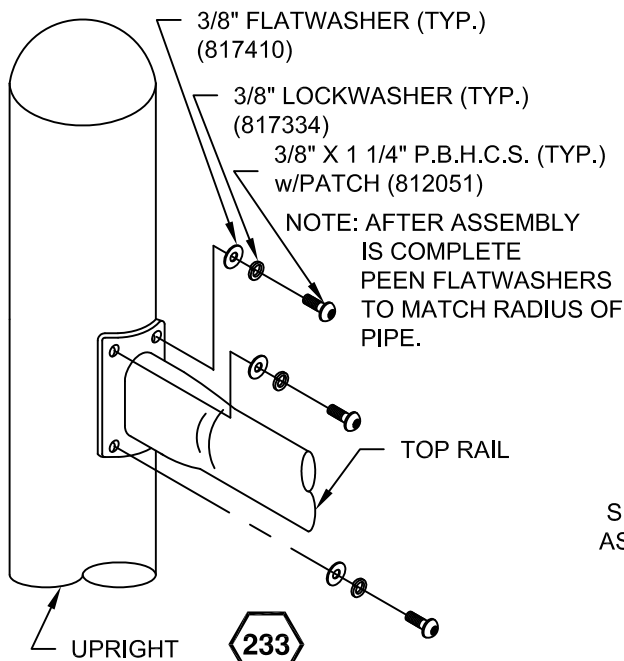


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

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

032

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

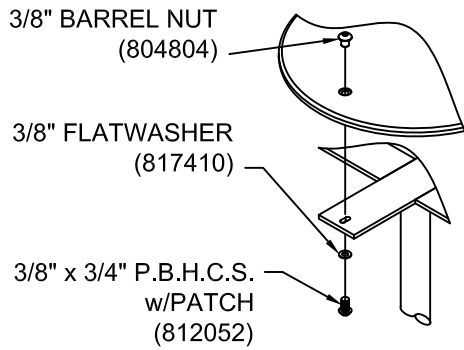
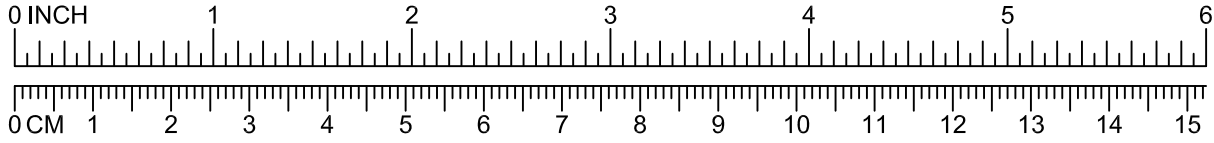




# DETAILS -for- 81665

IMPORTANT

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

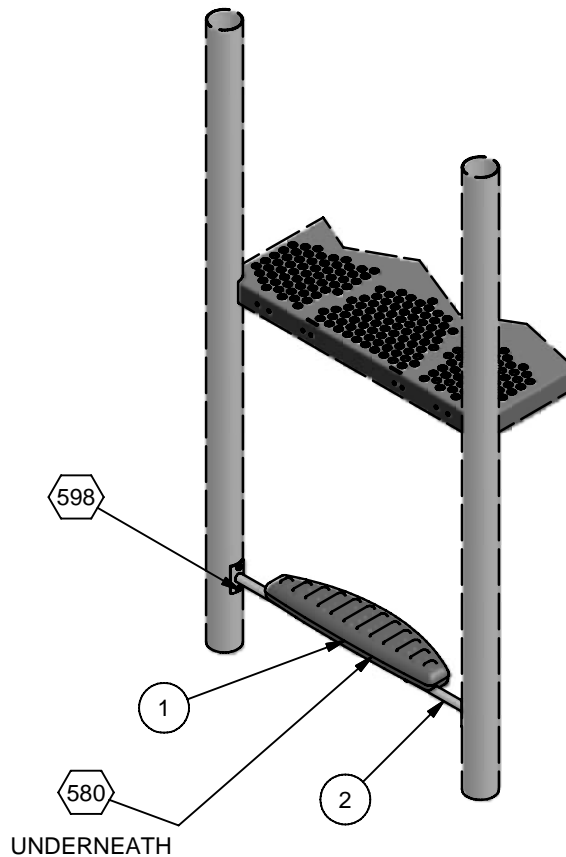
**NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.**



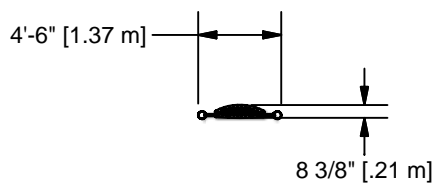
-  = INSTALLATION  
 = DETAIL
-  = PARTS LIST  
 = REFERENCE

**INSTALLATION  
 INSTRUCTIONS**

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



**ASSEMBLY DRAWING**



**TOP VIEW**

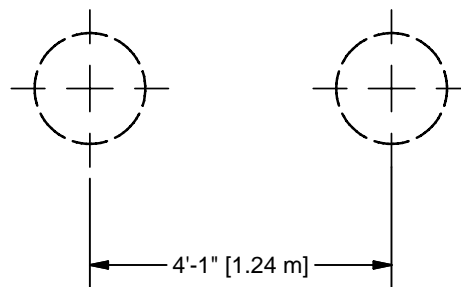


PARTS LIST			
REF No.	DESCRIPTION	QTY	PART NUMBER
1	NATURE DISCOVERY TABLE SEAT	1	179945
2	SEAT FRAME WELD ASS'Y	1	200041
	<b>HARDWARE COMPLETE</b>	1	200576
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	4	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	812054*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" FLAT WASHER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

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

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

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



**GROUND PLAN**

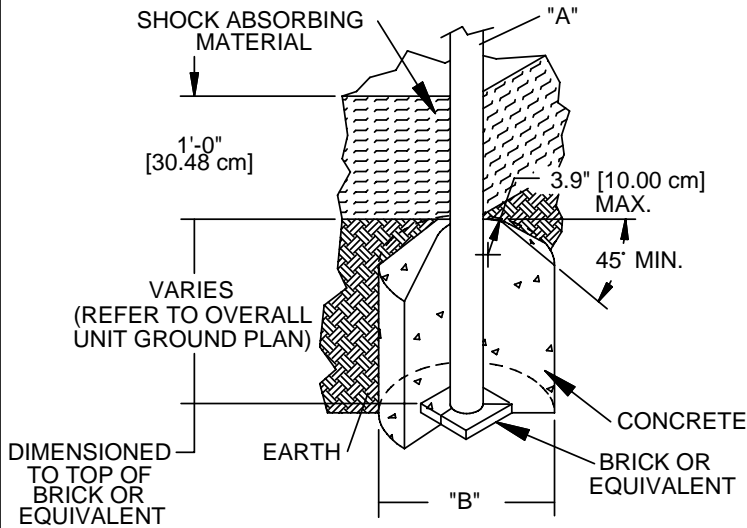
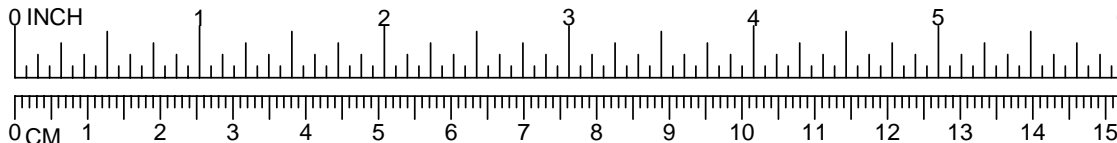
# DETAILS -for- 81666

**IMPORTANT**

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

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

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



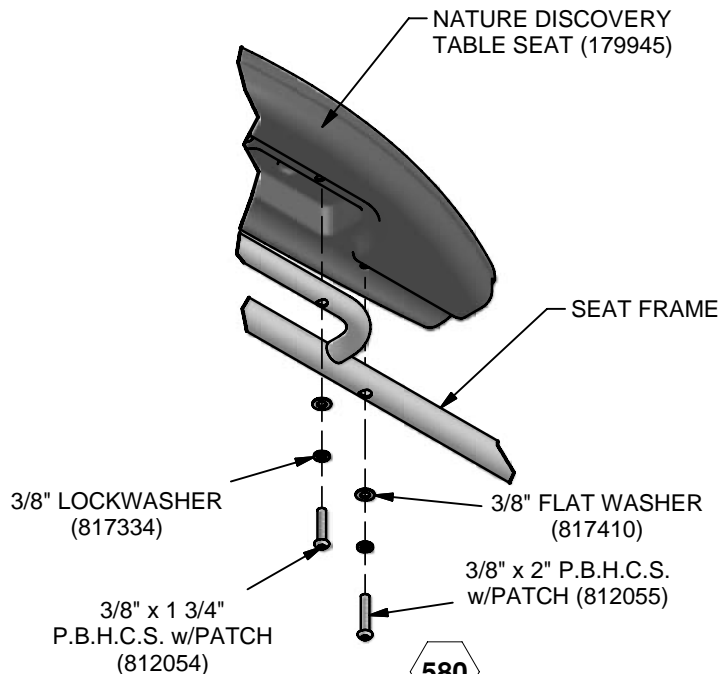
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

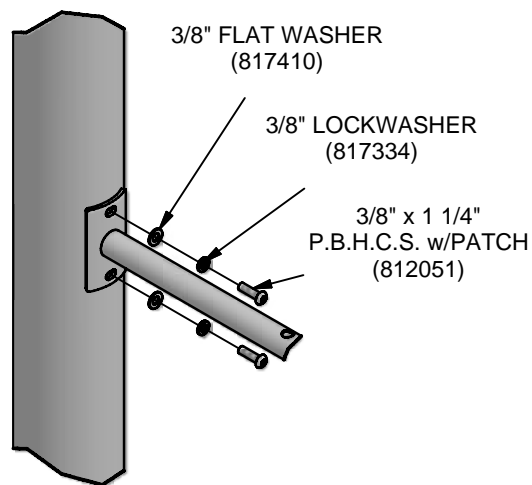
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

032



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



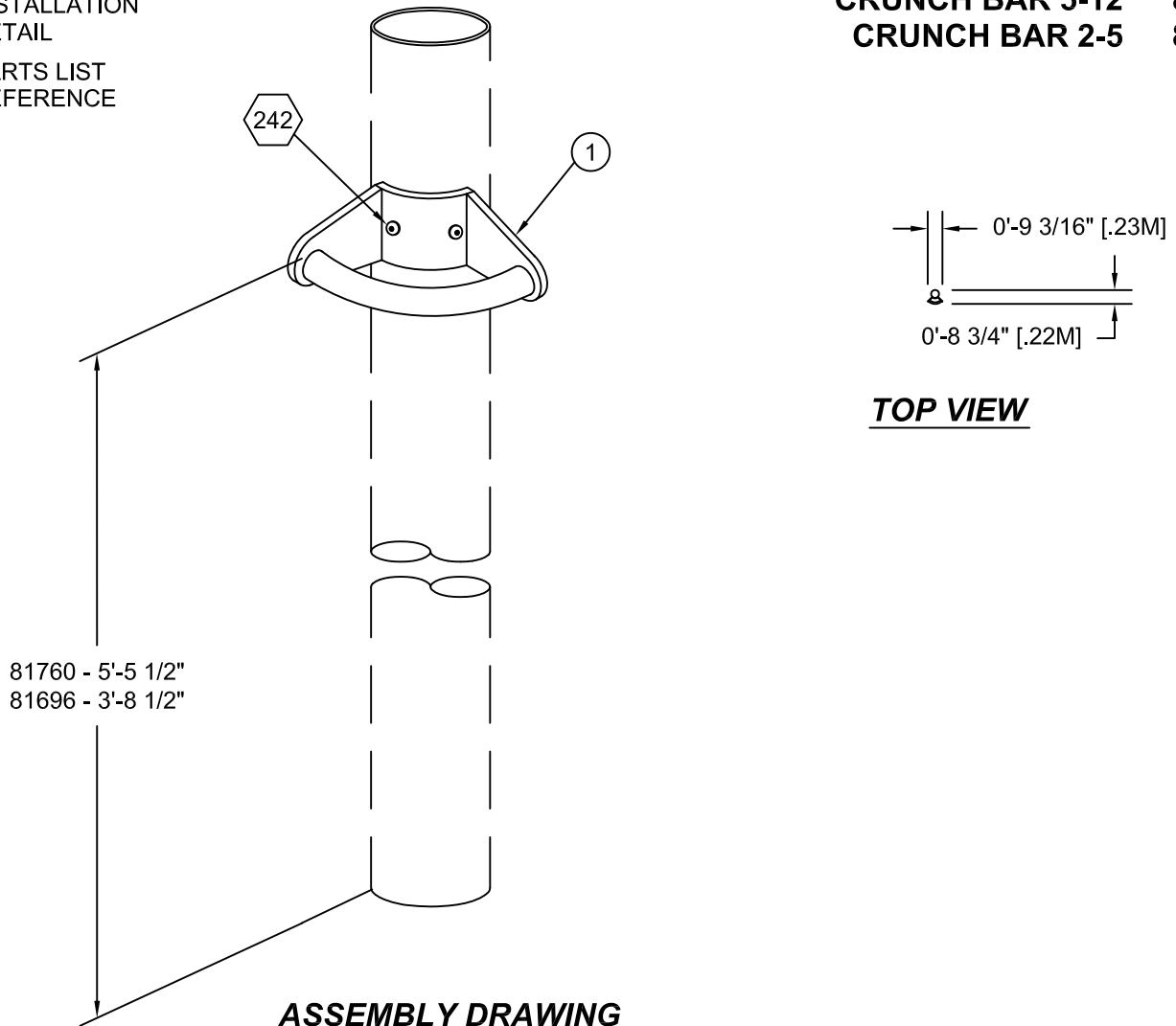
580



598

 = INSTALLATION  
DETAIL  
 = PARTS LIST  
REFERENCE

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



**PARTS LIST**

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Crunch Bar Assembly	1	169781
	<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.**

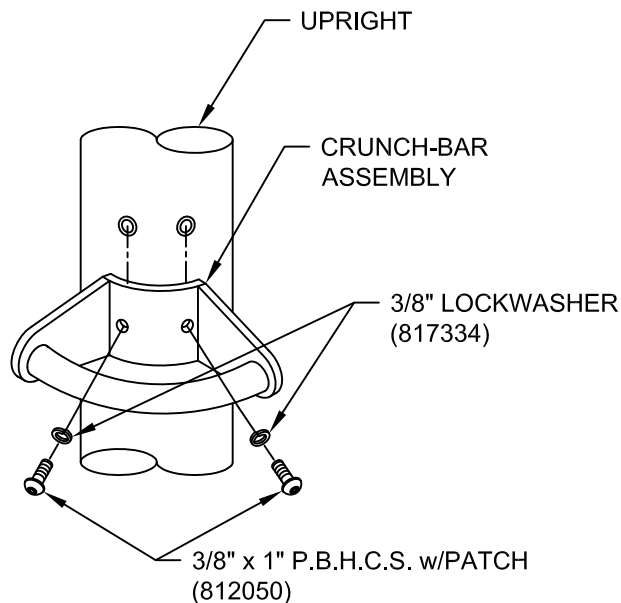
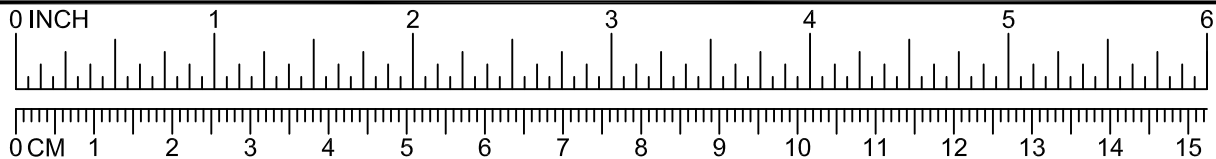
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# 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



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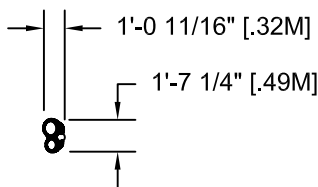
**1-800-235-2440**

**ISSUED/REVISED: 9/11/12**

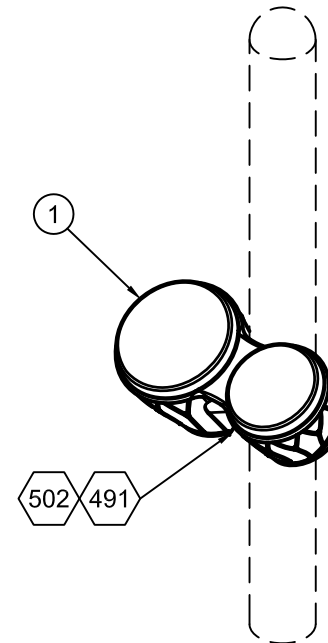
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

**INSTALLATION  
INSTRUCTIONS**

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



**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.**

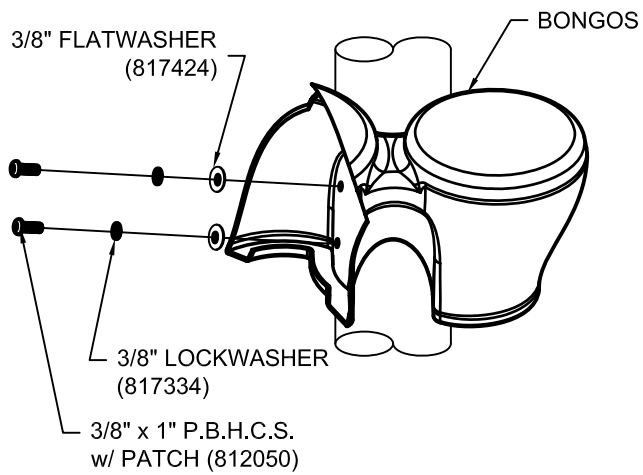
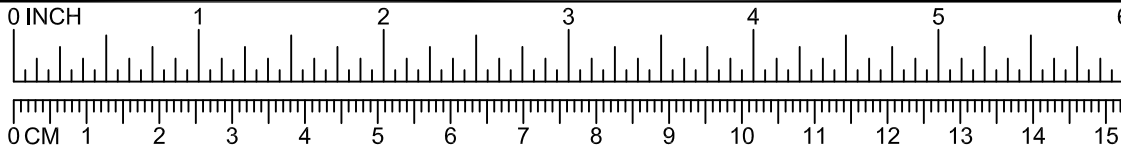
**Note: Loctite (supplied by others) should be used on all threaded hardware.**

# DETAILS -for- 81699

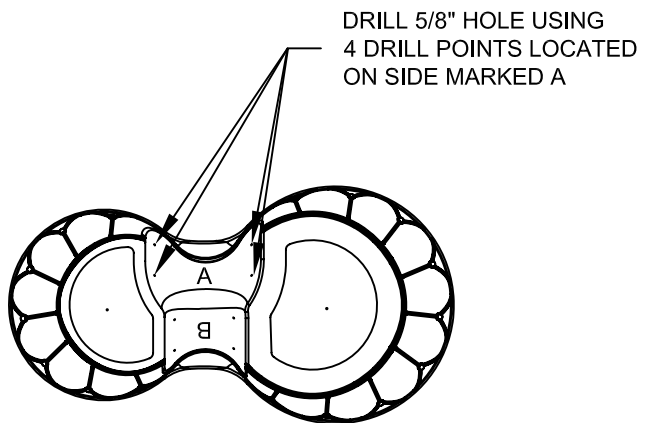
IMPORTANT

**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: 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



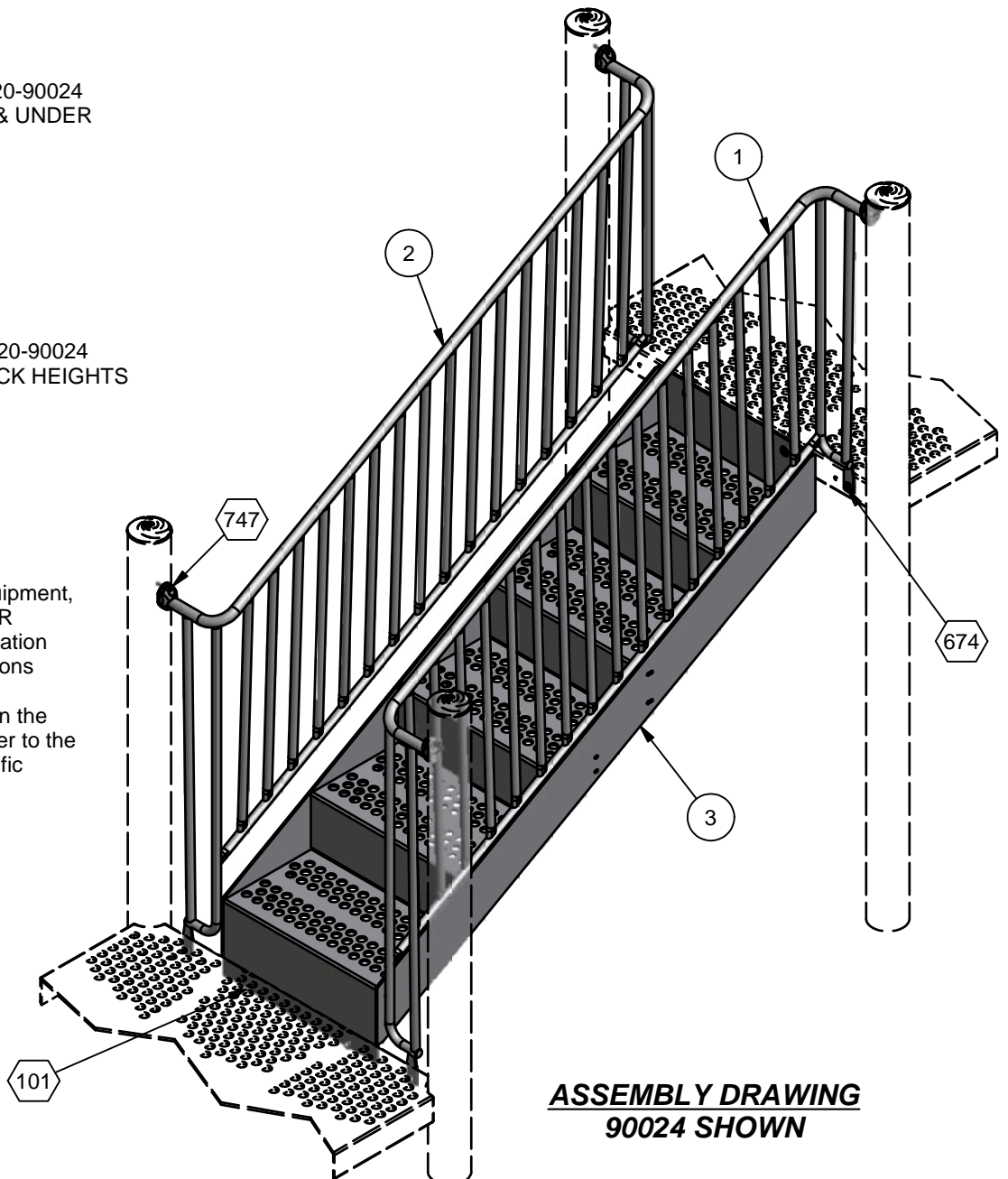
90020-90024  
5'-0" & UNDER



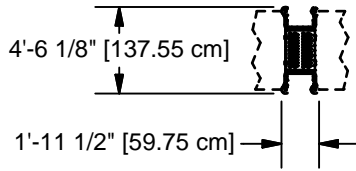
90020-90024  
ALL DECK HEIGHTS

### INSTALLATION INSTRUCTIONS

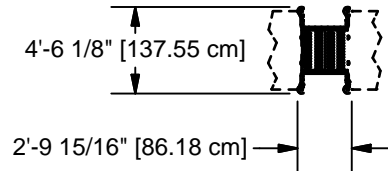
1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



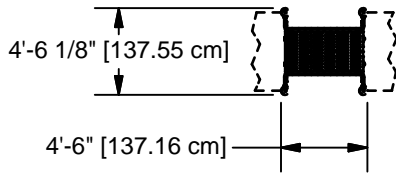
**ASSEMBLY DRAWING**  
**90024 SHOWN**



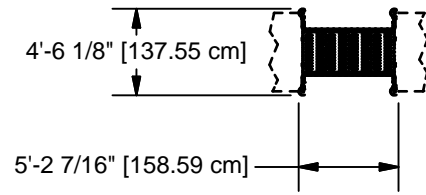
**90020**



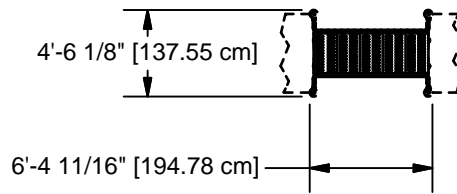
**90021**



**90022**

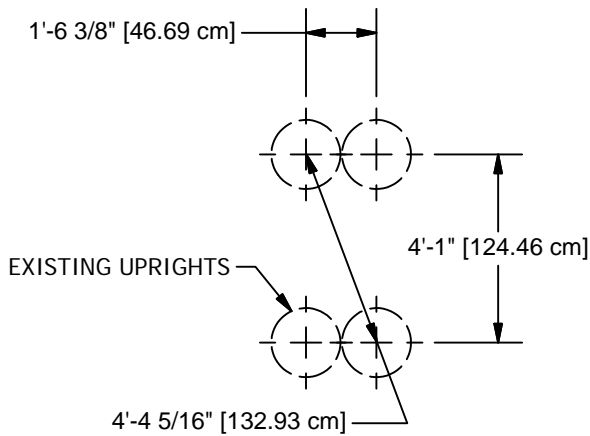


**90023**

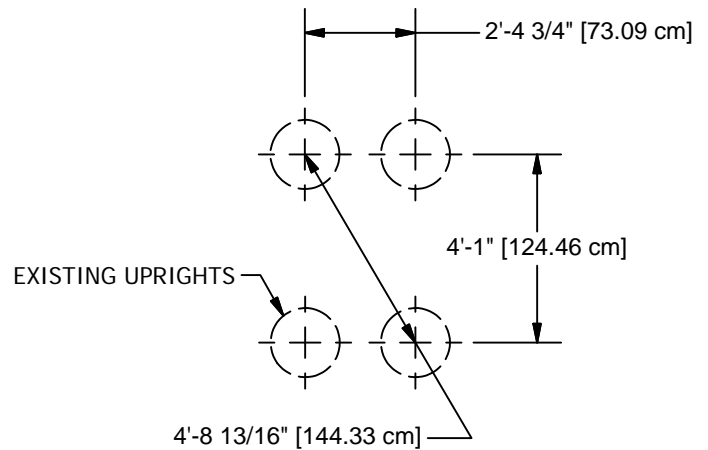


**90024**

**TOP VIEWS**



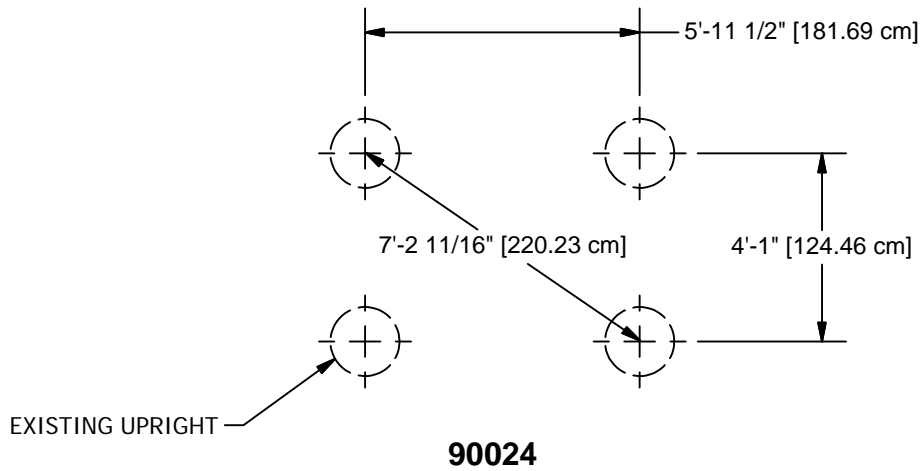
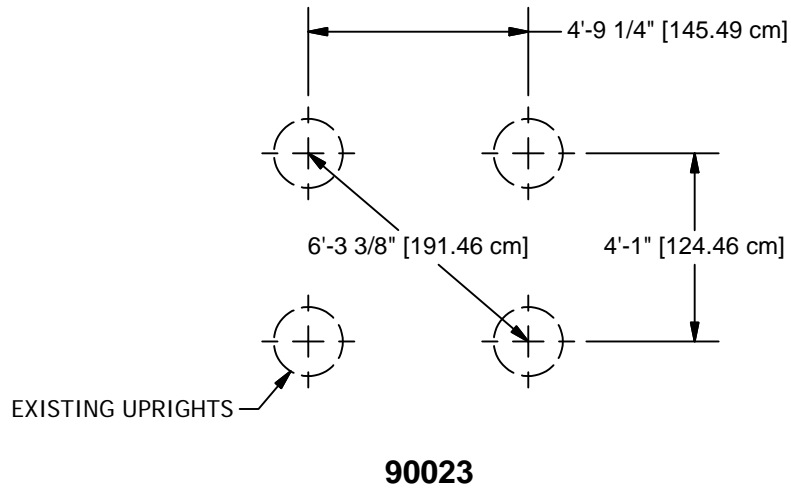
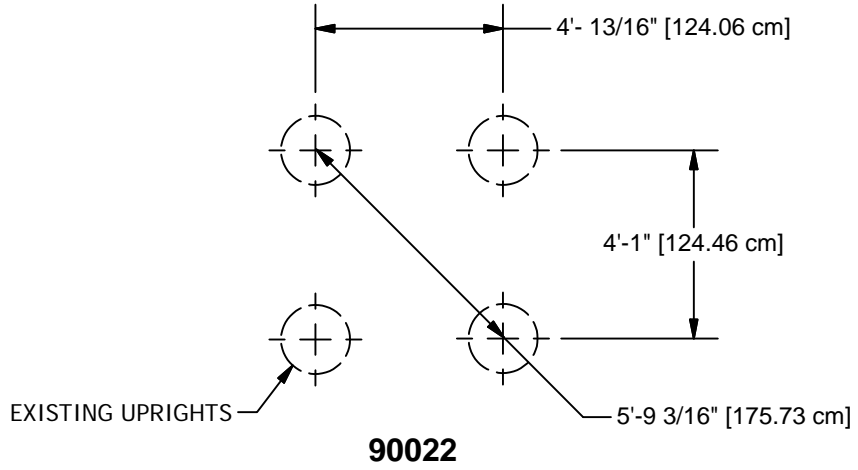
**90020**



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

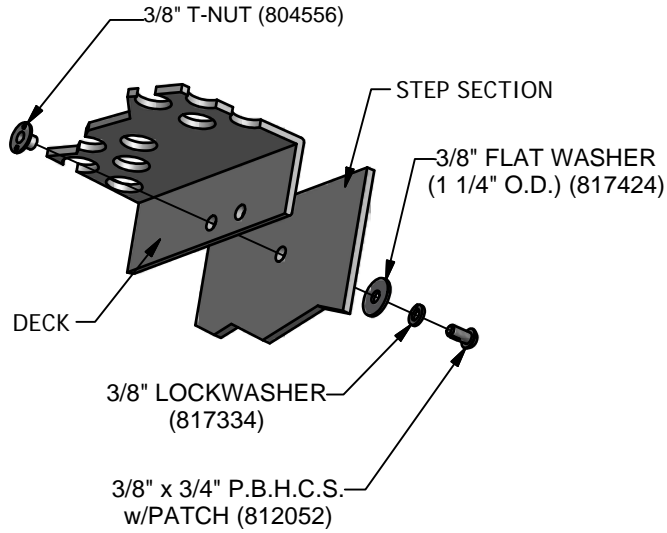
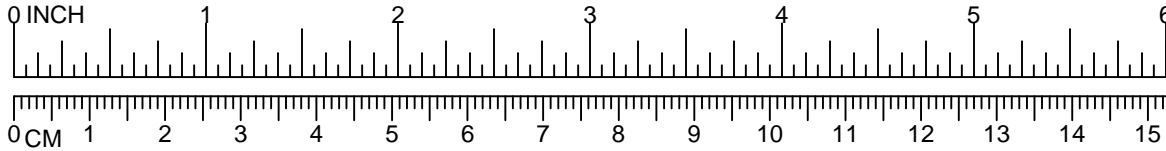
# DETAILS -for- 90020, 90021, 90022, 90023, 90024

## IMPORTANT

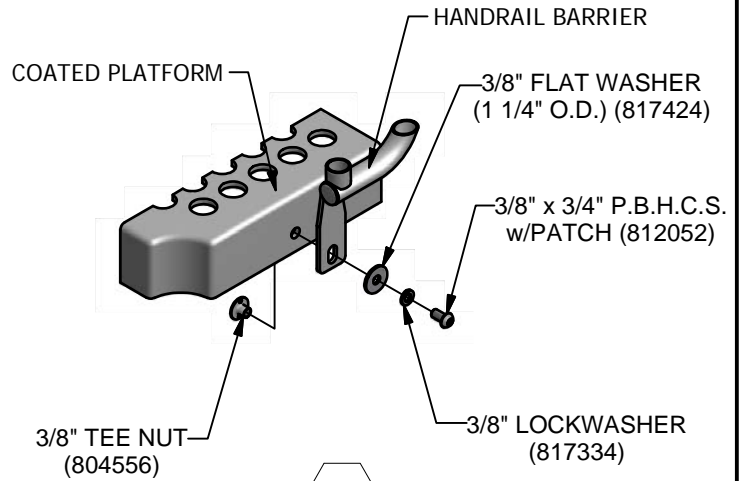
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

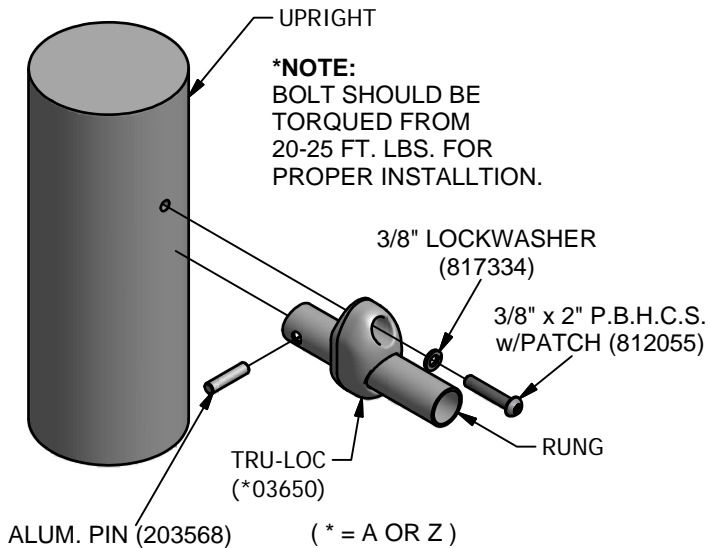
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



101





674



747

# TRANSFER PLATFORM WITH GUARDRAIL

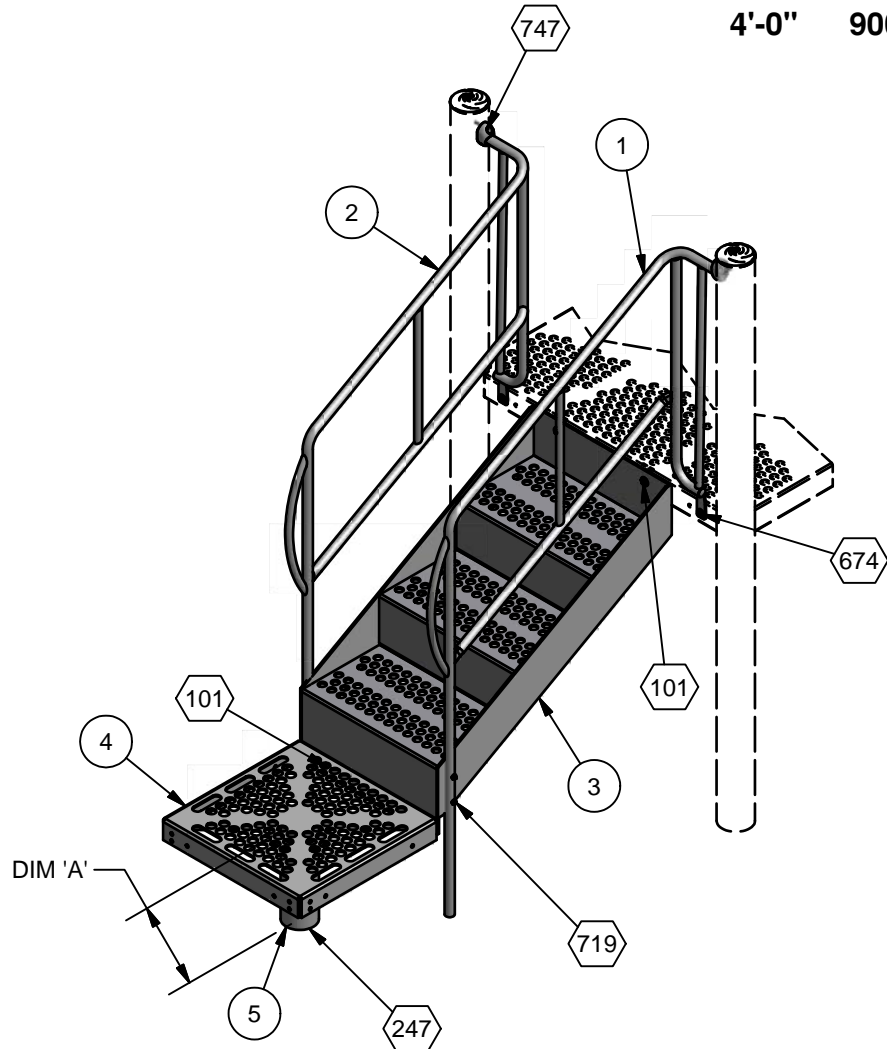
-  = INSTALLATION
-  = PARTS LIST REFERENCE

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



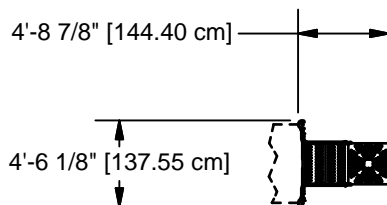
### INSTALLATION INSTRUCTIONS

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.

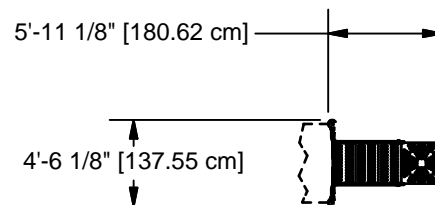


**ASSEMBLY DRAWING**  
**90033 SHOWN**

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

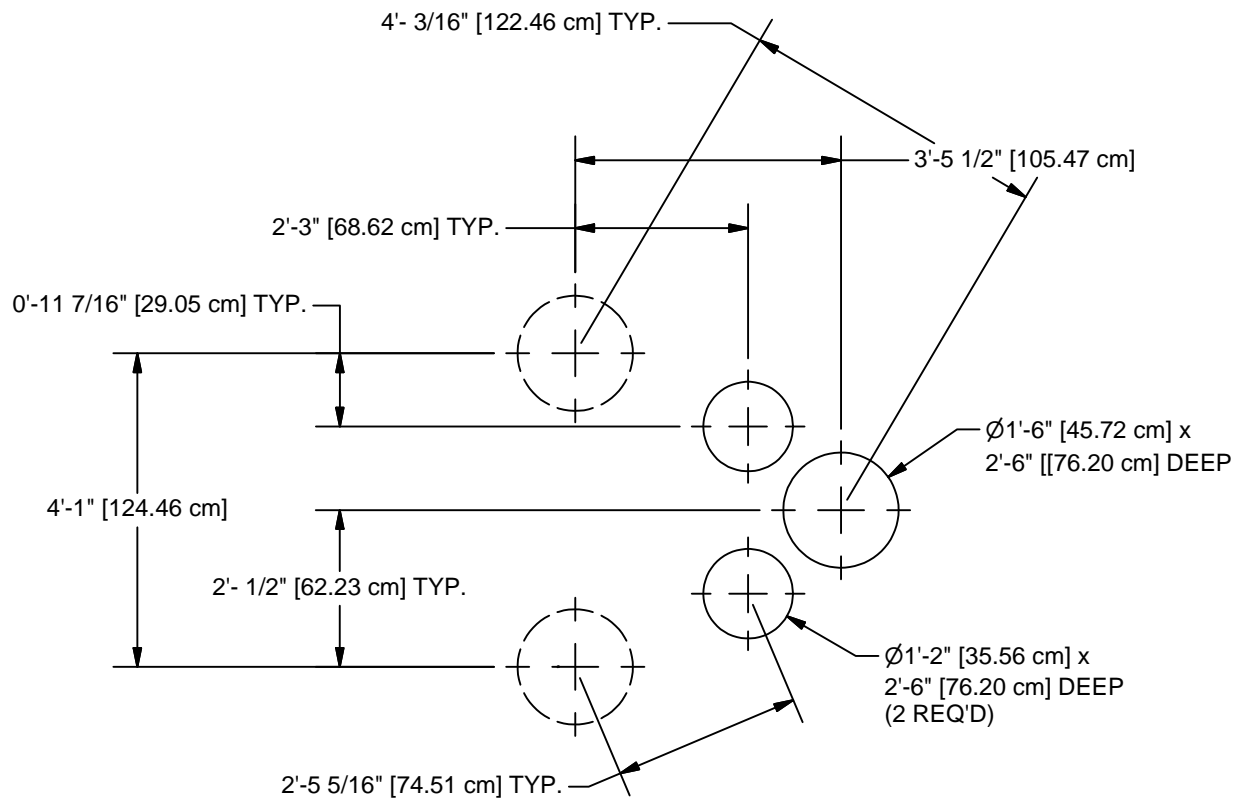


**90032**



**90033**

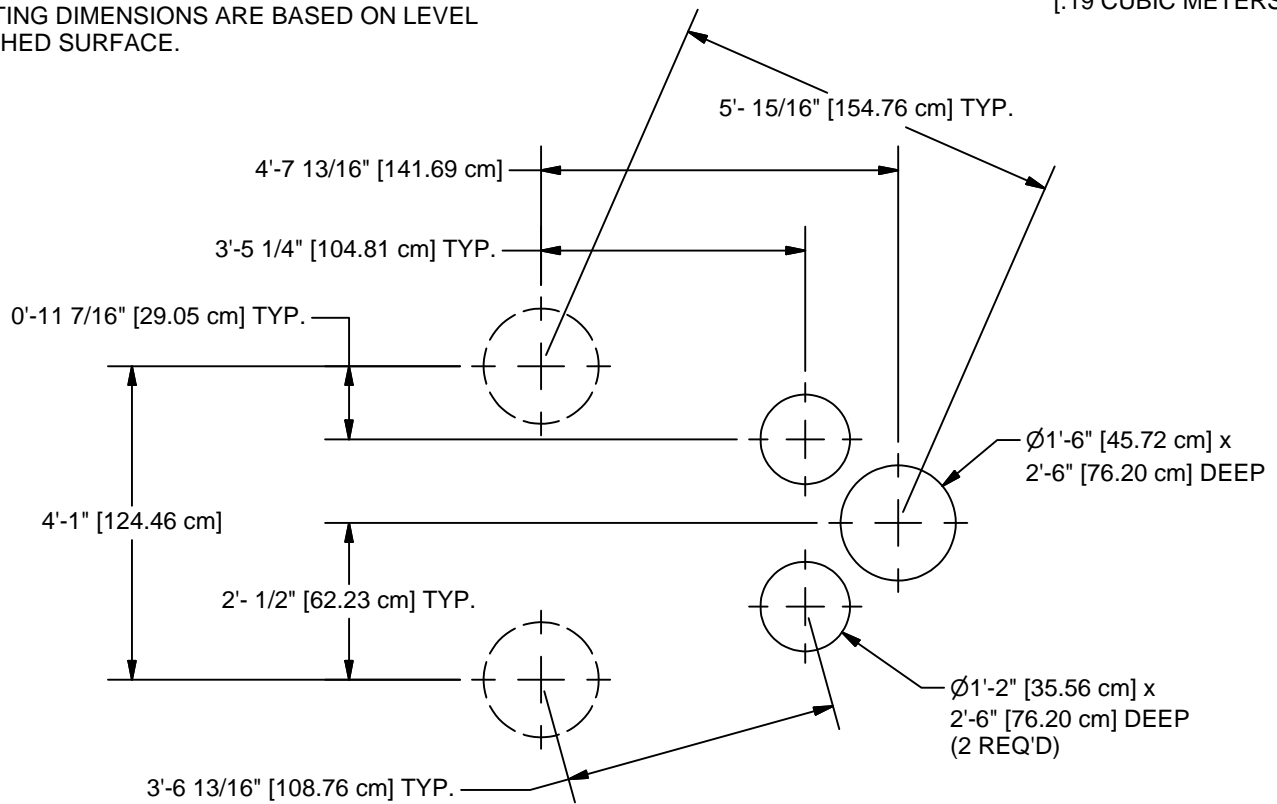
### TOP VIEWS



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

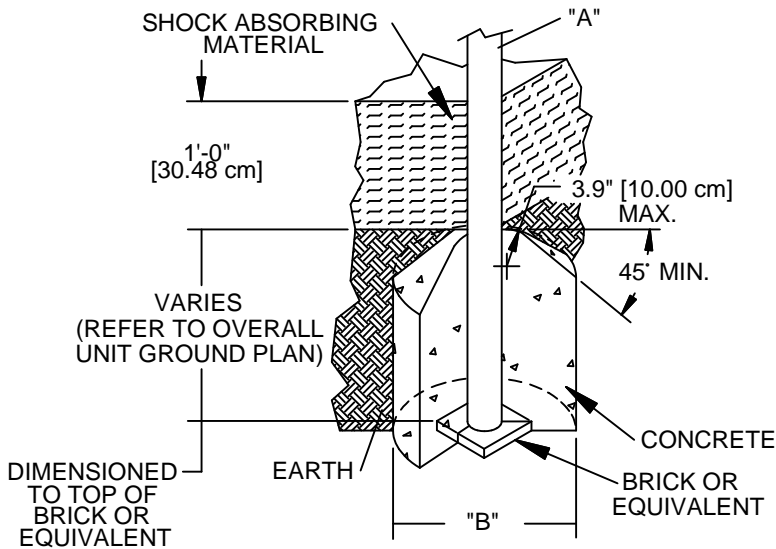
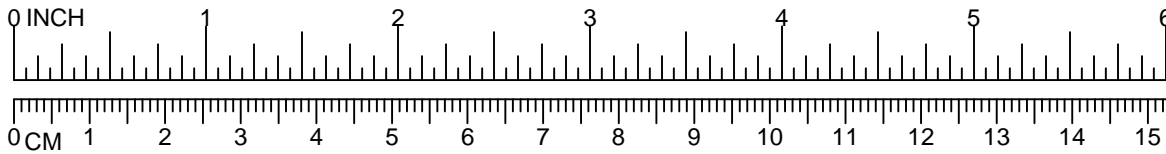
# DETAILS -for- 90032 & 90033

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.



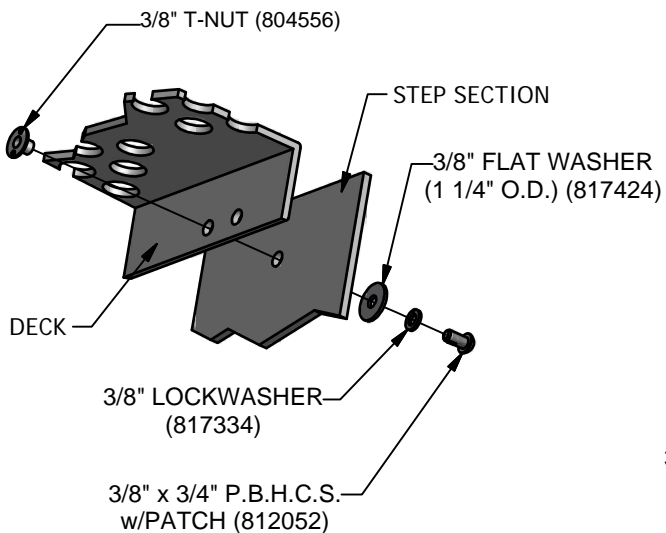
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

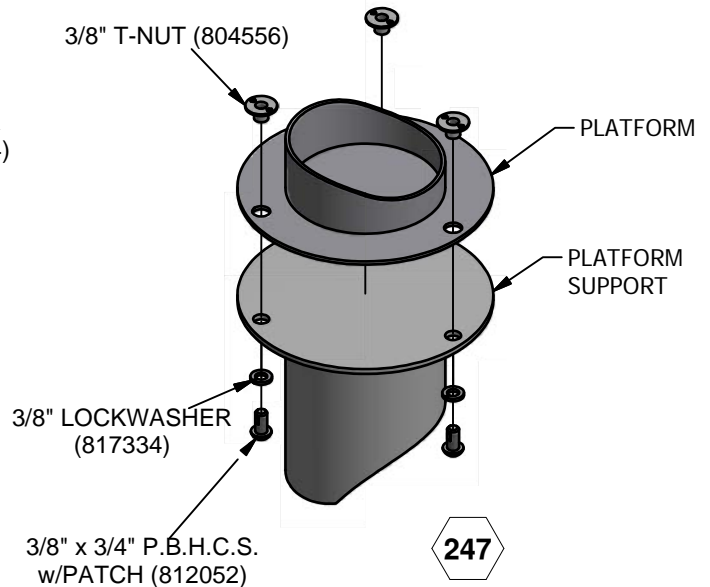
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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

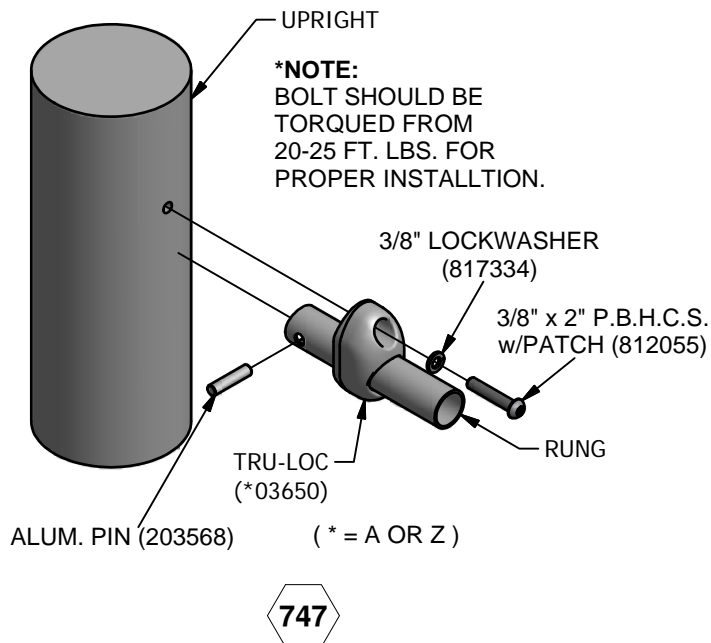
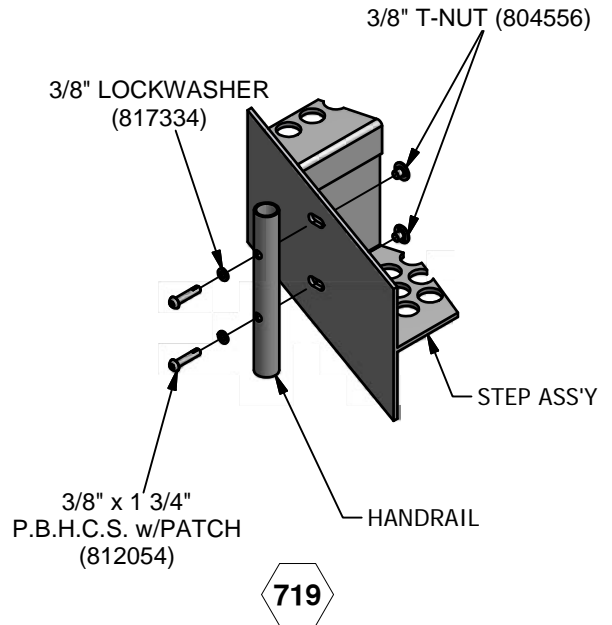
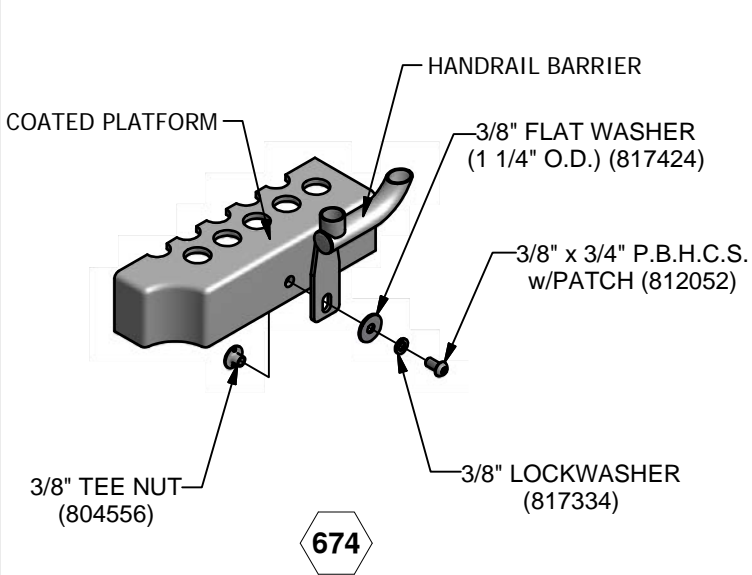
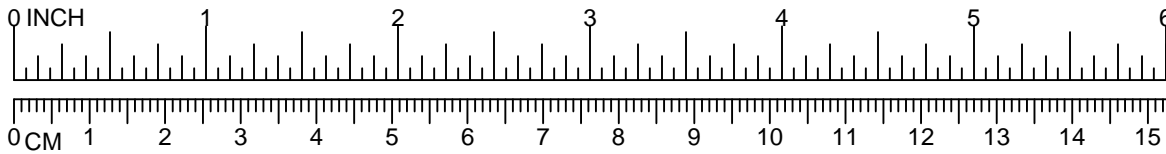
# DETAILS -for- 90032 & 90033

**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.





# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 02/27/12

# 90103 SCHOONER CLIMBER

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

REFER TO MODULAR EQUIPMENT TOP VIEW FOR CORRECT ENTRYWAY NUMBER

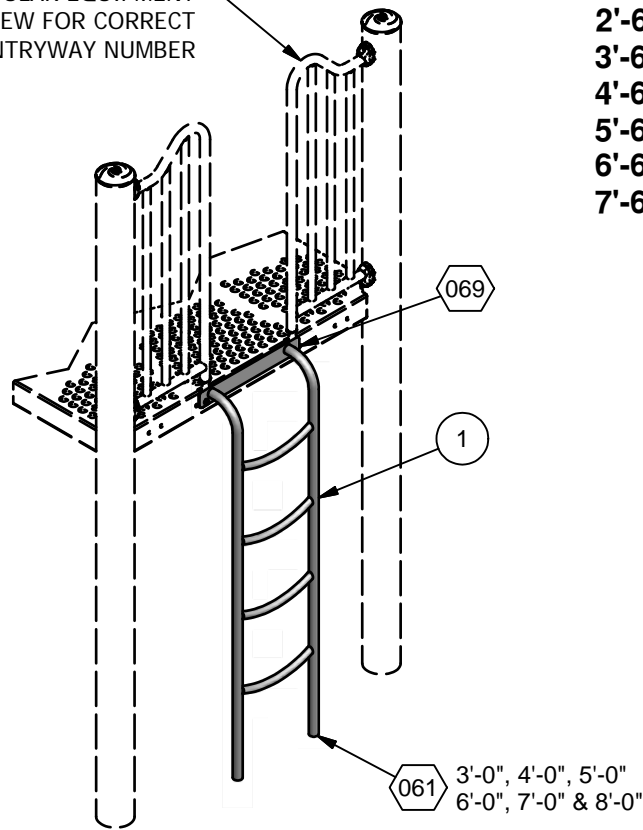
2'-0"	90103
2'-6" & 3'-0"	90104
3'-6" & 4'-0"	90105
4'-6" & 5'-0"	90106
5'-6" & 6'-0"	90107
6'-6" & 7'-0"	90108
7'-6" & 8'-0"	90109



90103  
90104  
90105  
90106



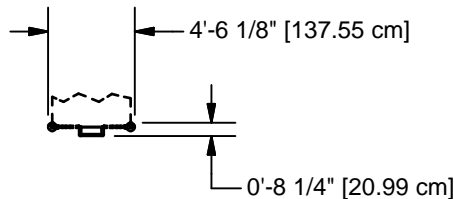
90107  
90108  
90109



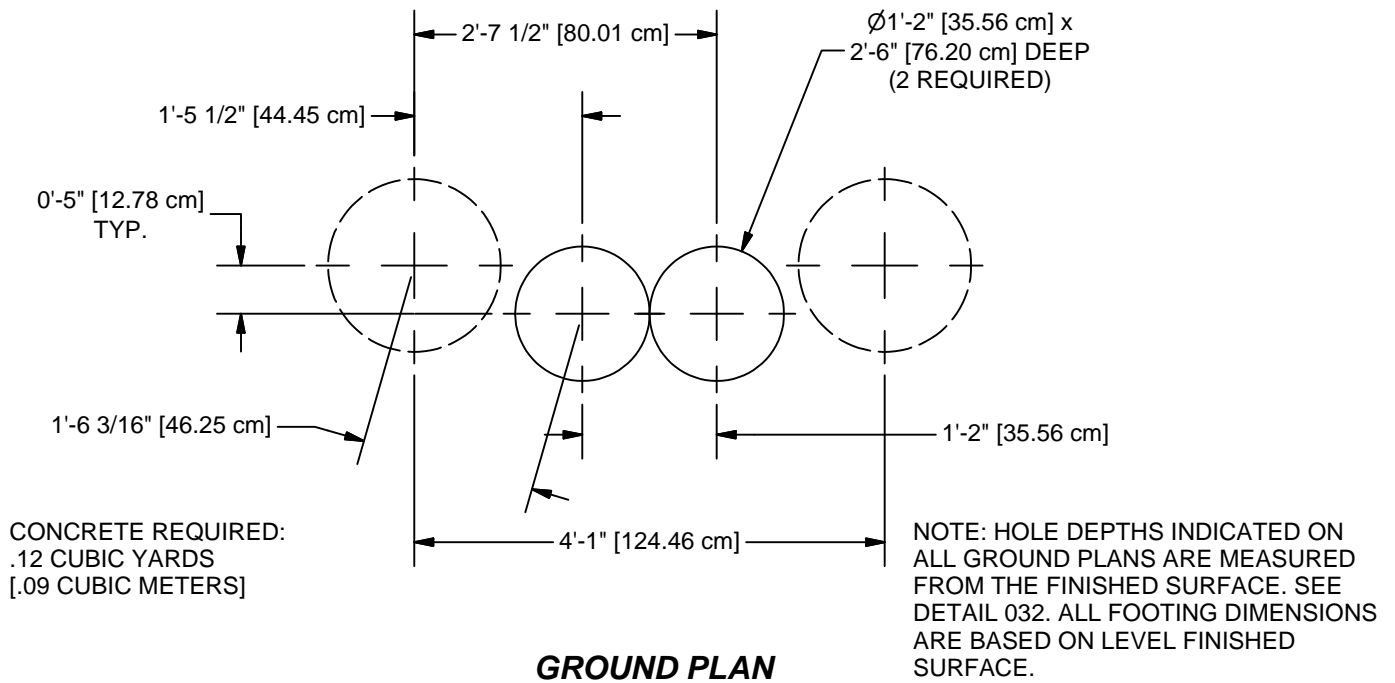
**ASSEMBLY DRAWING**  
**5'-0" 90106 SHOWN**

### 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 VIEW**



Parts List									
REF.	DESCRIPTION	90103	90104	90105	90106	90107	90108	90109	PART NUMBER
1	SCHOONER CLIMBER WELD ASS'Y	1	0	0	0	0	0	0	200473
1	SCHOONER CLIMBER WELD ASS'Y	0	1	0	0	0	0	0	200469
1	SCHOONER CLIMBER WELD ASS'Y	0	0	1	0	0	0	0	200307
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	1	0	0	0	200462
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	1	0	0	200466
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	1	0	200479
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	0	1	200482
	<b>HARDWARE COMPLETE</b>	1	0	0	0	0	0	0	203664
	<b>HARDWARE COMPLETE</b>	0	1	1	1	1	1	1	203665
	1.029" O.D. EXTENSION	0	2	2	2	2	2	2	158359*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812052*
	3/8" x 2" HEX HEAD BOLT	0	2	2	2	2	2	2	801007*
	3/8" LOCKWASHER	2	4	4	4	4	4	4	817334*
	3/8" HEX NUT	0	2	2	2	2	2	2	804053*
	3/8" T-NUT	2	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.**

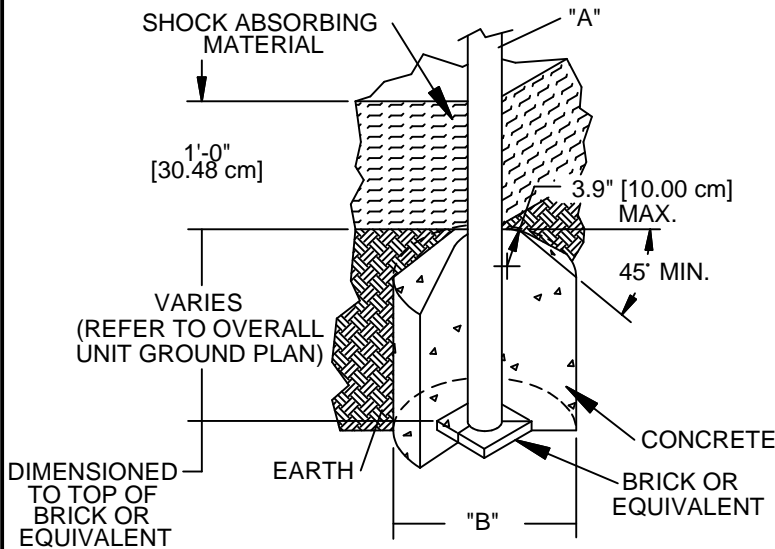
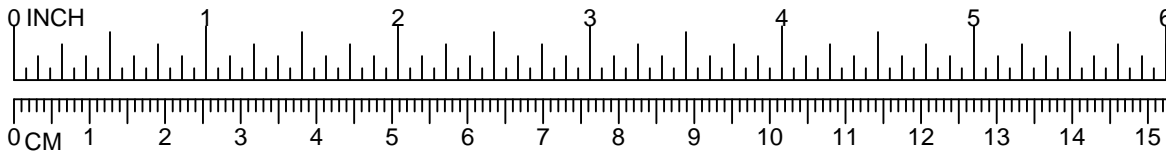
# DETAILS -for- 90103, 90104, 90105, 90106, 90107, 90108 & 90109

## 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.



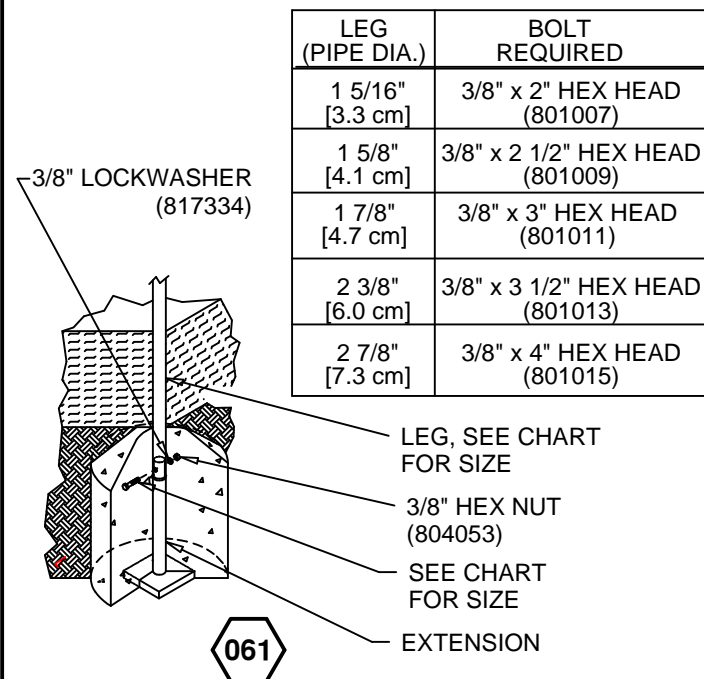
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

### NOTES:

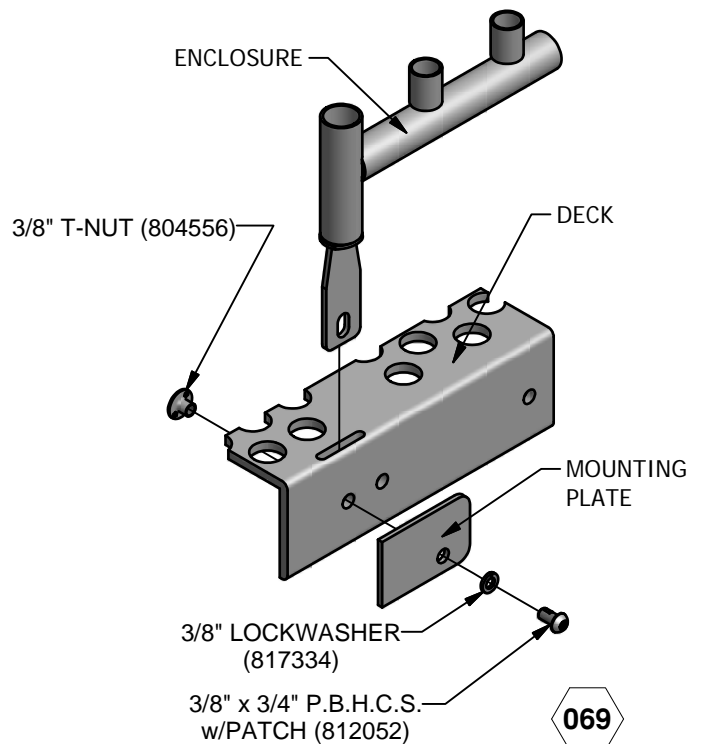
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



061



069

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 07/16/12

# 90117 TREE CLIMBER

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE

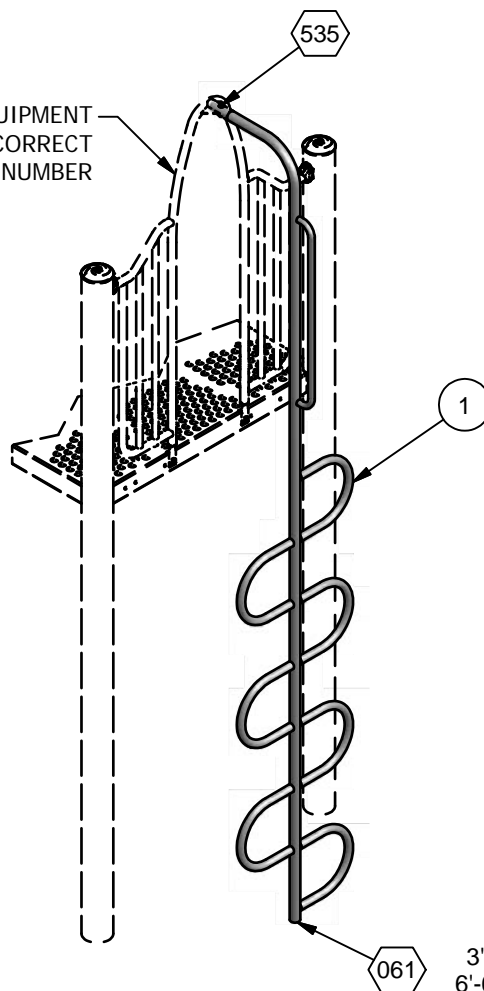


90118  
90119 5'-0"



90117  
90119 5'-6"  
90120  
90121  
90122

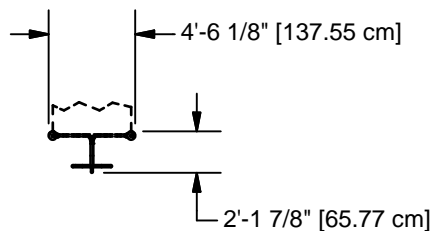
REFER TO MODULAR EQUIPMENT  
TOP VIEW FOR CORRECT  
ARCHWAY NUMBER



3'-0" & 3'-6"	90117
4'-0" & 4'-6"	90118
5'-0" & 5'-6"	90119
6'-0" & 6'-6"	90120
7'-0" & 7'-6"	90121
8'-0"	90122

3'-6", 4'-6", 5'-6",  
6'-6", 7'-6", & 8'-0"

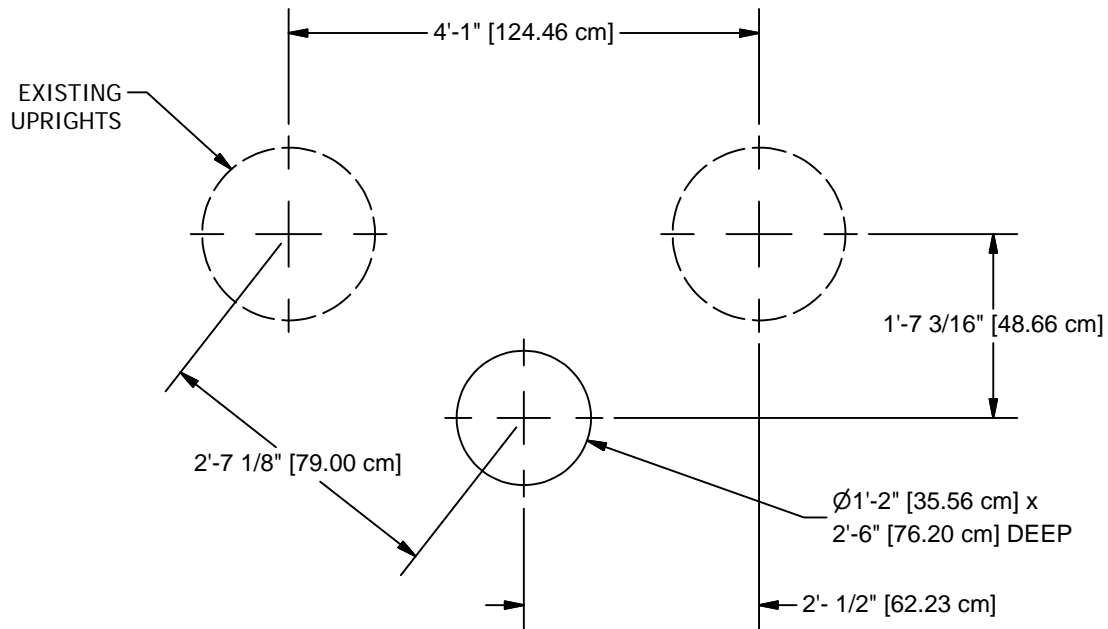
### ASSEMBLY DRAWING 90121 SHOWN



### TOP VIEW

### **INSTALLATION INSTRUCTIONS**

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



CONCRETE REQUIRED  
 .06 CUBIC YARDS  
 [.05 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.

Parts List								
REF.	DESCRIPTION	90117	90118	90119	90120	90121	90122	PART NUMBER
1	TREE CLIMBER ASS'Y (3' & 3'-6")	1	0	0	0	0	0	179041
1	TREE CLIMBER ASS'Y (4' & 4'-6")	0	1	0	0	0	0	179043
1	TREE CLIMBER ASS'Y (5' & 5'-6")	0	0	1	0	0	0	179045
1	TREE CLIMBER ASS'Y (6' & 6'-6")	0	0	0	1	0	0	179047
1	TREE CLIMBER ASS'Y (7' & 7'-6")	0	0	0	0	1	0	179049
1	TREE CLIMBER ASS'Y (8')	0	0	0	0	0	1	179051
	<b>HARDWARE COMPLETE</b>	1	1	1	1	1	0	203647
	<b>HARDWARE COMPLETE</b>	0	0	0	0	0	1	203648
	3/8" x 1 1/2" P.B.H.C.S. w/ PATCH	1	1	1	1	1	1	812053*
	3/8" x 2 1/2" HEX HEAD	1	1	1	1	1	1	801009*
	3/8" FLAT WASHER	1	1	1	1	1	1	817410*
	3/8" LOCKWASHER	1	1	1	1	1	1	817334*
	3/8" BARREL NUT	1	1	1	1	1	1	804804*
	3/8" HEX NUT	1	1	1	1	1	1	804053*
	EXTENSION LEG (6")	1	1	1	1	1	0	152110*
	EXTENSION LEG (12")	0	0	0	0	0	1	176430*

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

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

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

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

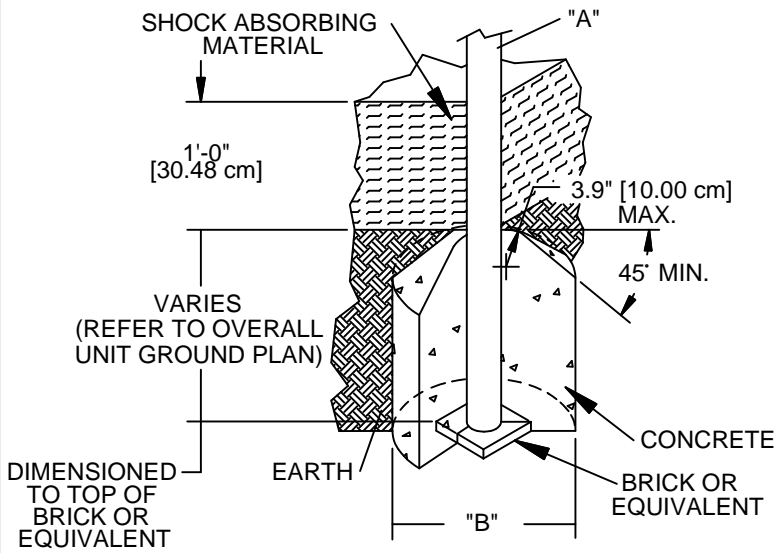
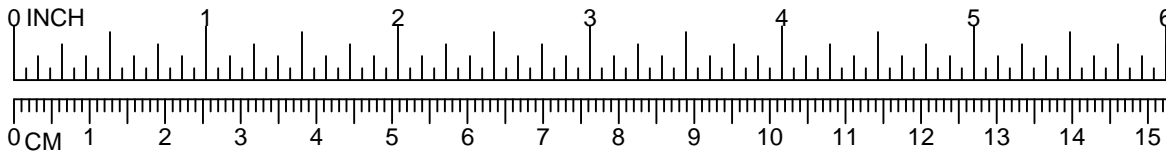
# DETAILS -for- 90117, 90118, 90119, 90120, 90121, AND 90122

## 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]

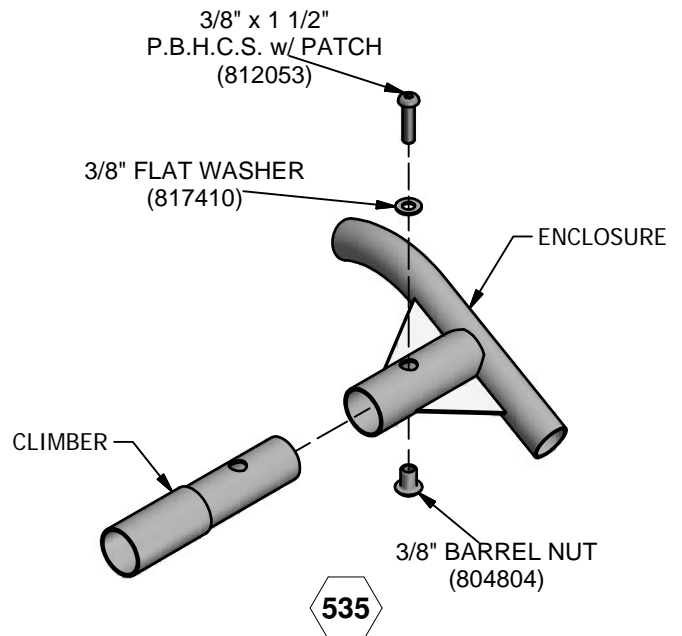
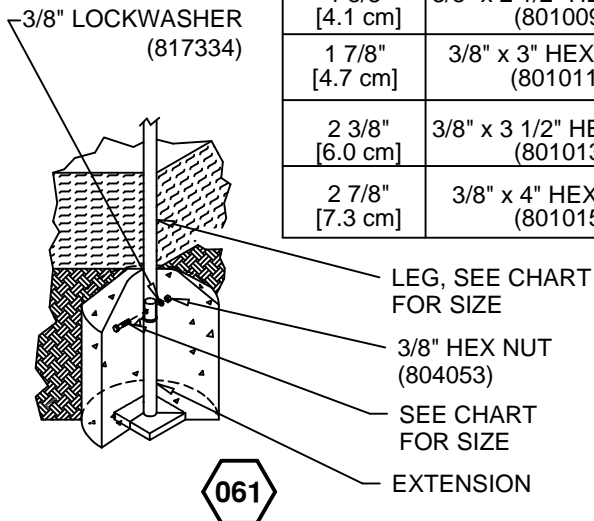
### NOTES:



- 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)



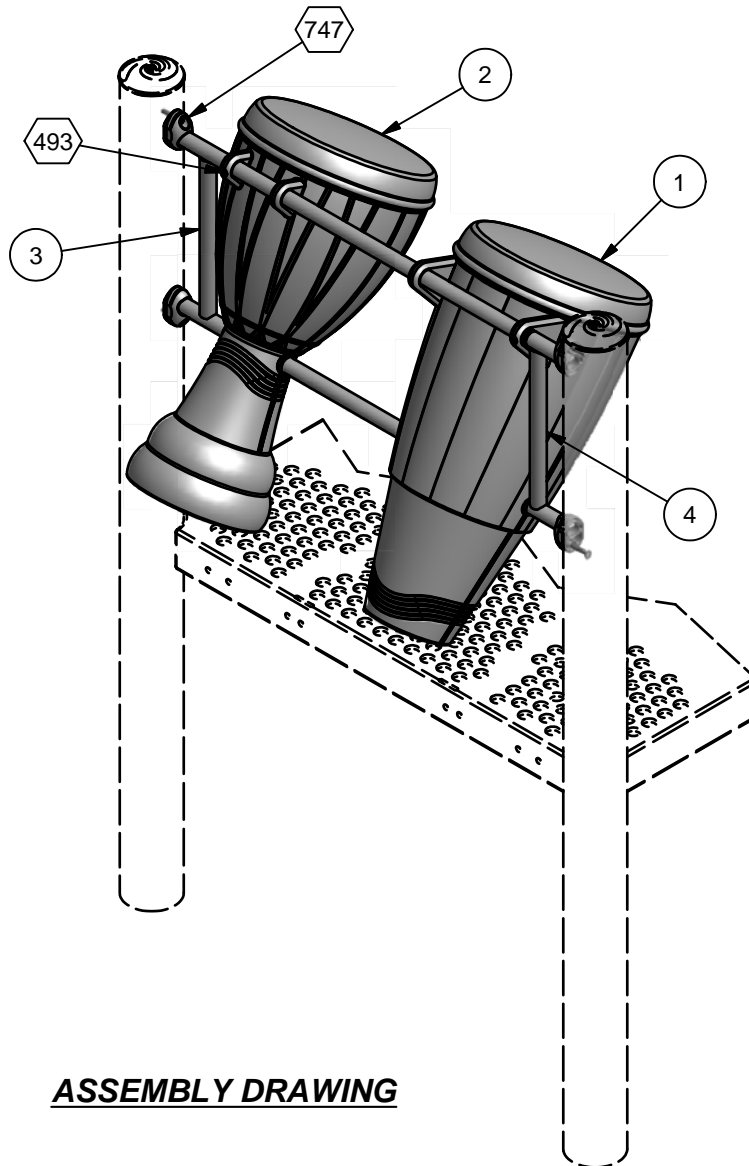
-  = INSTALLATION
-  = PARTS LIST REFERENCE



UP TO 2'-6"  
DECK HEIGHTS



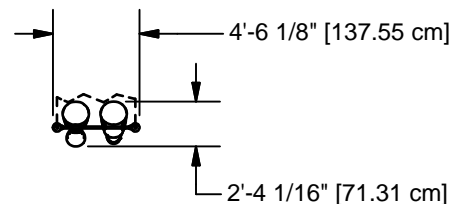
UP TO 4'-0"  
DECK HEIGHTS



**ASSEMBLY DRAWING**

### INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed 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. See INSTALLER INSTRUCTIONS.
3. Slide the Djembe (177926) over the Long Grill (203863) until the tab touches the curved pipe. Slide the Ashiko (177925) over the Short Grill (203866) until the tab touches the curved pipe.
4. Connect the two Grills together as shown in Detail 493.
5. Make sure the Ashiko and Djembe are pushed as far apart as possible and drill with a 3/16" bit through the drill points and the pipes (one per Ashiko and Djembe).
6. Secure with the self-drilling screws (816048)



**TOP VIEW**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	ASHIKO	1	177925
2	DJEMBE	1	177926
3	LONG GRILL	1	203863
4	SHORT GRILL	1	203866
	TRU-LOC	4	A03650
	<b>HARDWARE COMPLETE</b>	1	203871
	ALUM. PIN	4	203568*
	1/4" x 1 1/2" SELF DRIVE SCREW	2	816048*
	3/8" LOCKWASHER	4	817334*
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055*

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

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

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



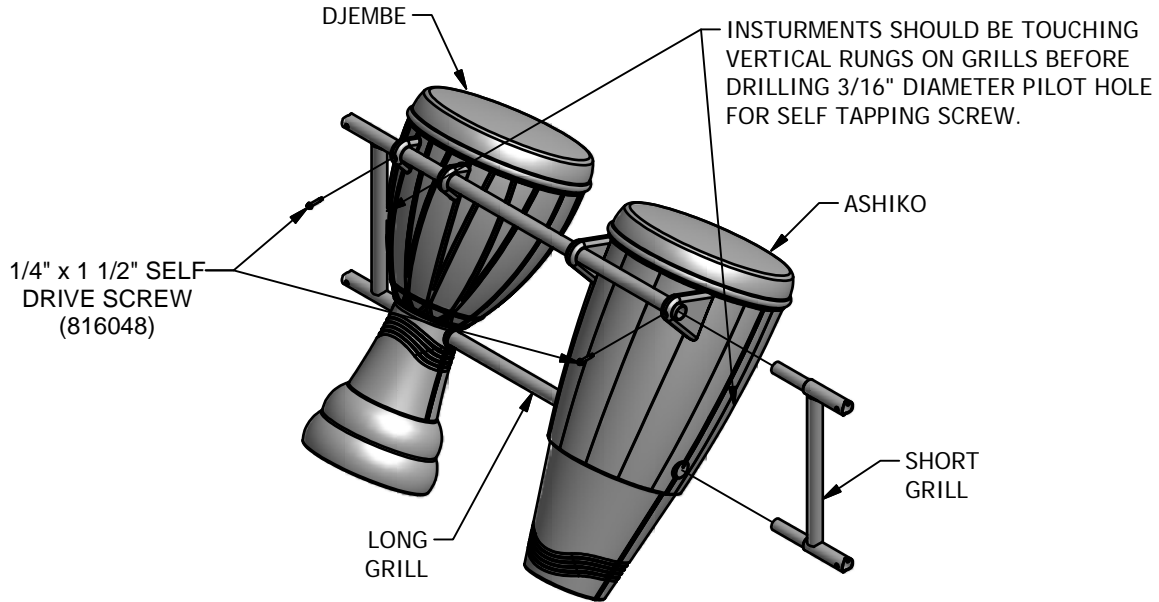
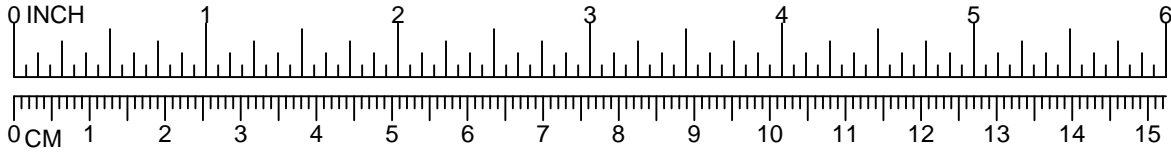
# DETAILS -for- 90186

**IMPORTANT**

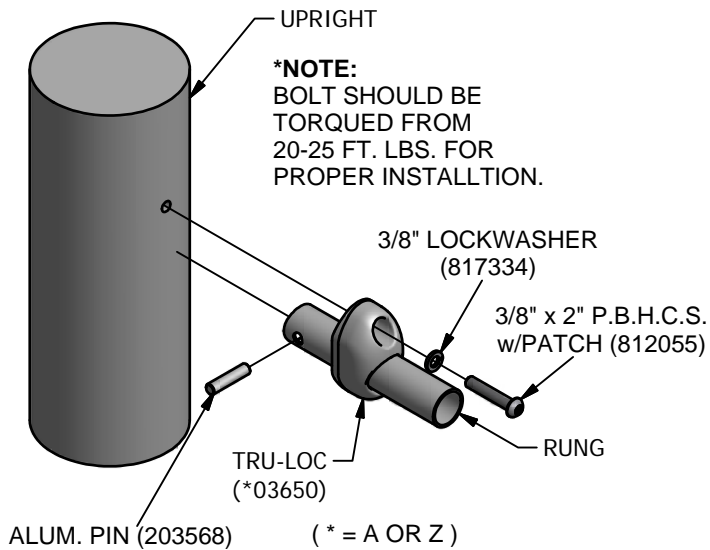
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



493



747

⬡ INSTALLATION  
= DETAIL

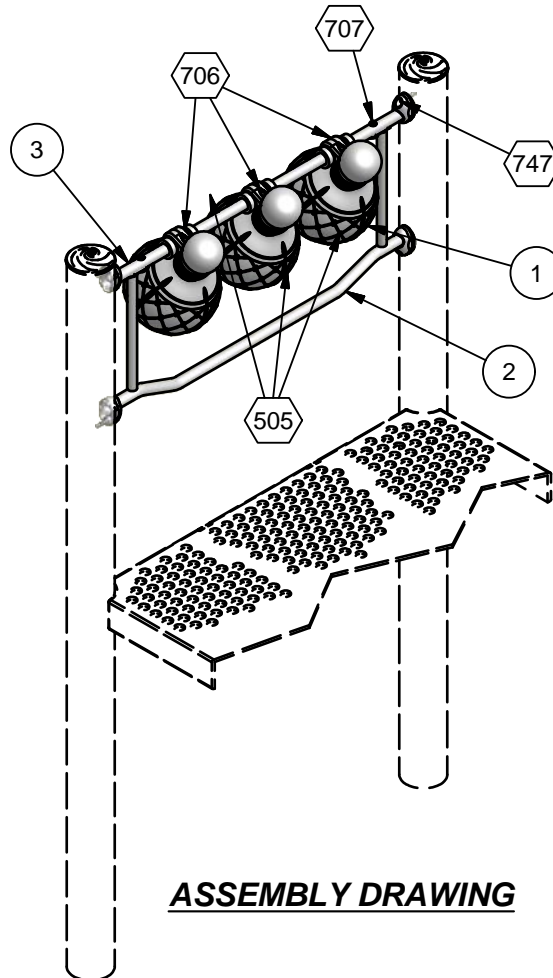
○ PARTS LIST  
= REFERENCE



UP TO 2'-6"  
DECK HEIGHTS



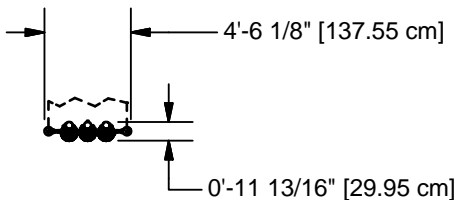
UP TO 4'-0"  
DECK HEIGHTS



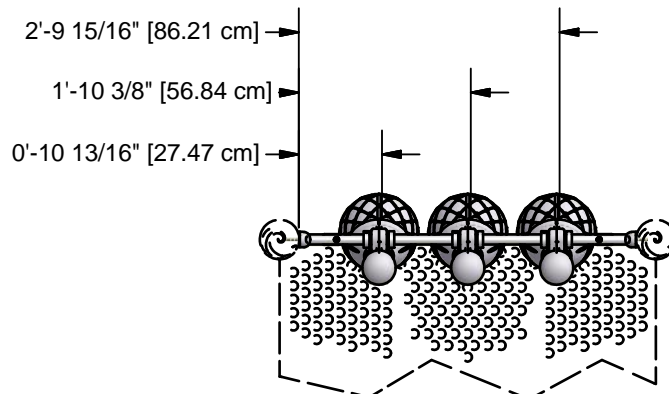
**ASSEMBLY DRAWING**

### INSTALLATION INSTRUCTIONS

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



**TOP VIEW**



**GANZA PLACEMENT**

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

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

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

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

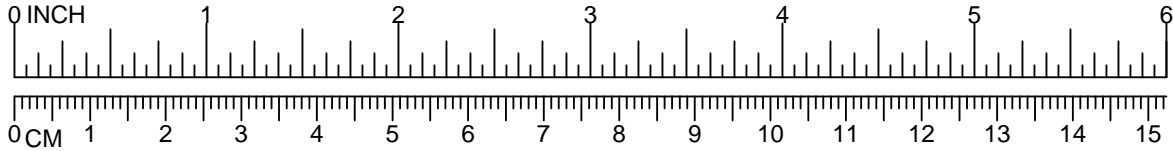
# DETAILS -for- 90189

IMPORTANT

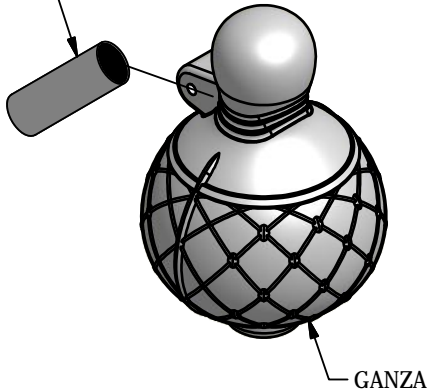
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



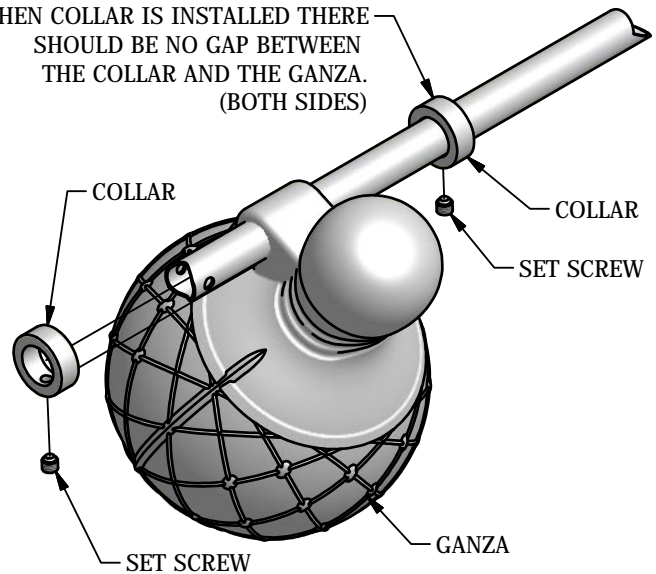
STEEL SHOT  
(818326)



NOTE: INSERT 50 STEEL SHOT PIECES BEFORE INSTALLATION

505

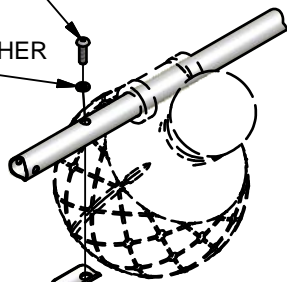
WHEN COLLAR IS INSTALLED THERE SHOULD BE NO GAP BETWEEN THE COLLAR AND THE GANZA. (BOTH SIDES)



706  
(\* = A OR Z)

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

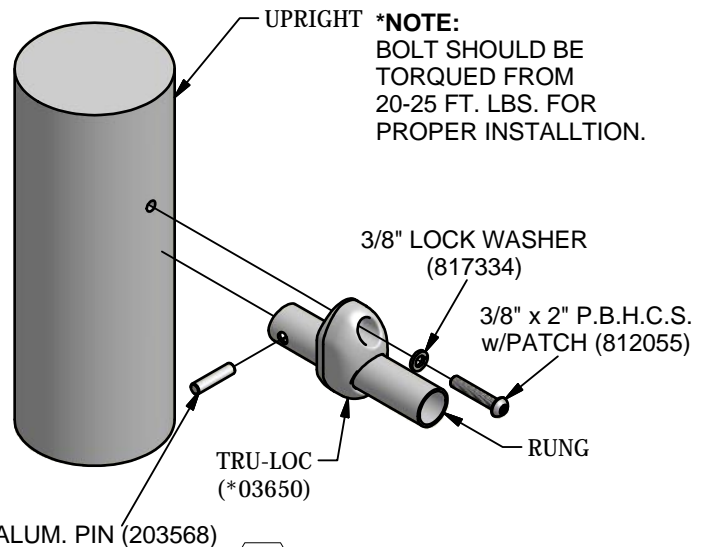
3/8" LOCK WASHER  
(817334)



3/8" T-NUT (804556)

ENCLOSURE  
BOTTOM

707



\*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: 11/12/12

# 90216 RUNG ENCLOSURE (BARRIER)

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

ABOVE DECK 90216  
BELOW DECK 90217

This play equipment is designed for

**CHILDREN**

**2 TO 5**

**YEARS OLD**

Adult supervision is recommended

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

90216  
UP TO 5'-0"

90217  
4'-0" TO 5'-0"

This play equipment is designed for

**CHILDREN**

**5 TO 12**

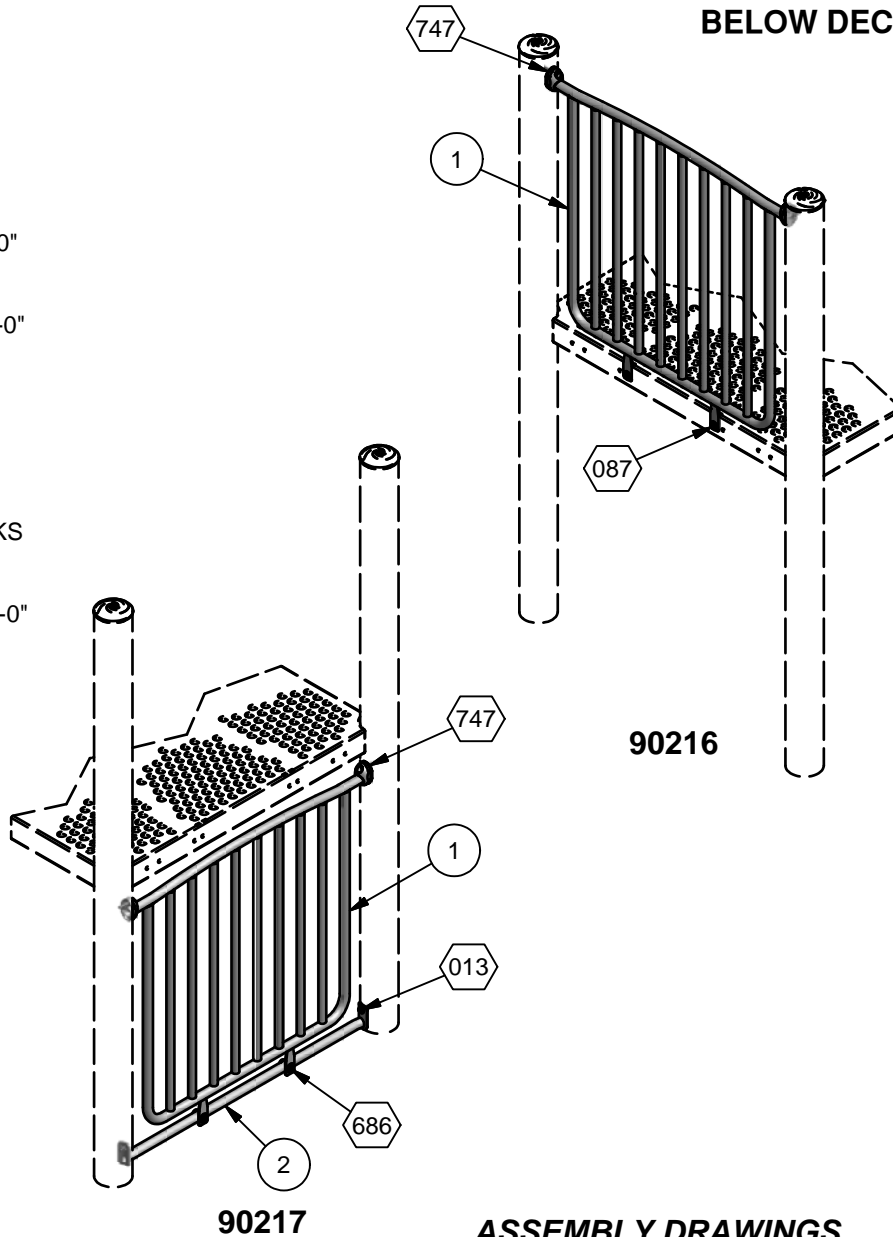
**YEARS OLD**

Adult supervision is recommended

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

90216  
ALL DECKS

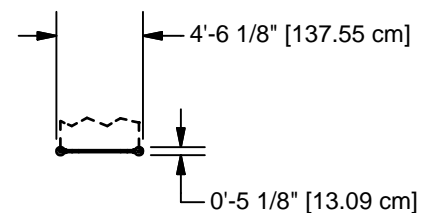
90217  
5'-6" TO 8'-0"



### ASSEMBLY DRAWINGS

### INSTALLATION INSTRUCTIONS

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



### TOP VIEW

Parts List				
REF.	DESCRIPTION	90216	90217	PART NUMBER
1	RUNG ENCLOSURE	1	1	203963
2	MOUNTING PIPE	0	1	203900
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	0	203964
	<b>HARDWARE COMPLETE</b>	0	1	203965
	ALUM. PIN	2	2	203568*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	0	812052*
	3/8" x 1 1/4" P.B.H.C.S.	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	6	817334*
	3/8" T-NUT	2	2	804556*

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

*\* Included in Hardware*

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

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

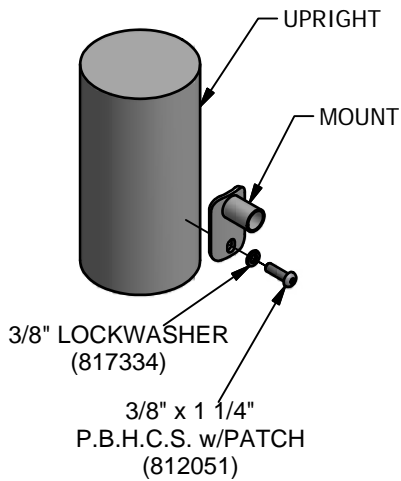
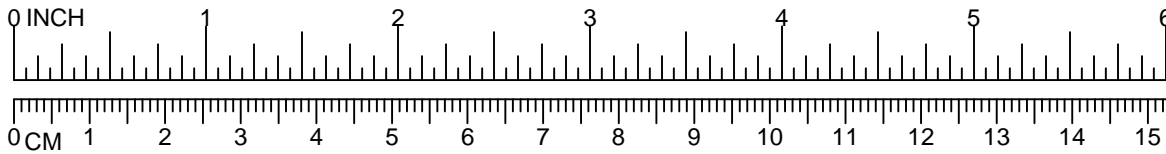
# DETAILS -for- 90216 & 90217

**IMPORTANT**

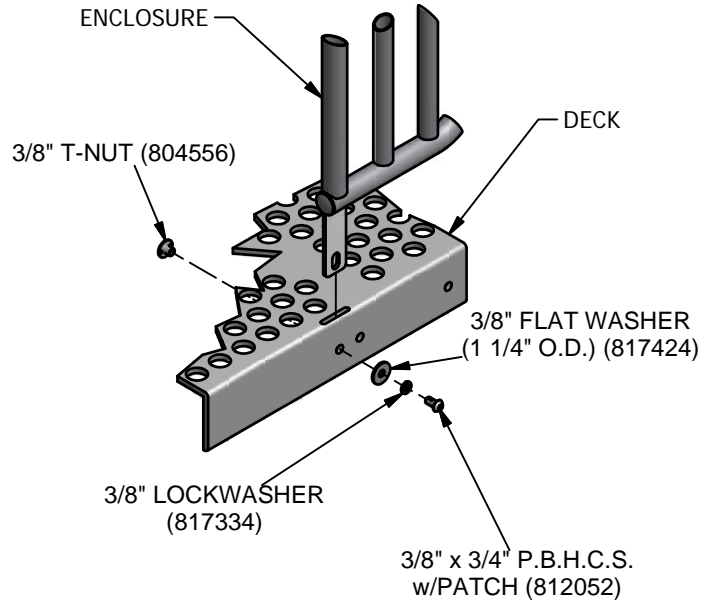
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NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

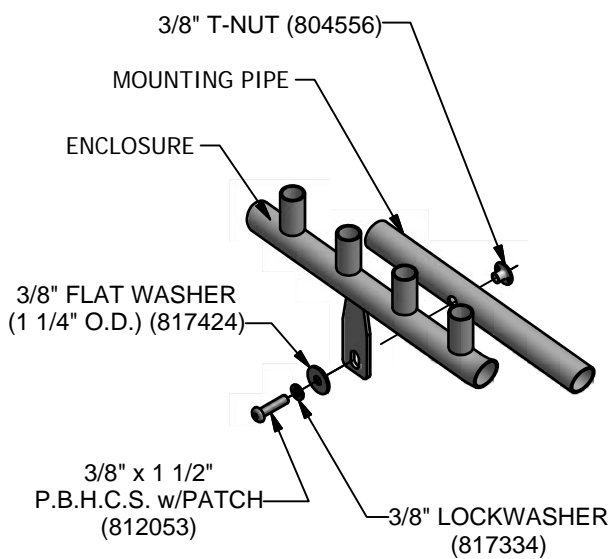
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



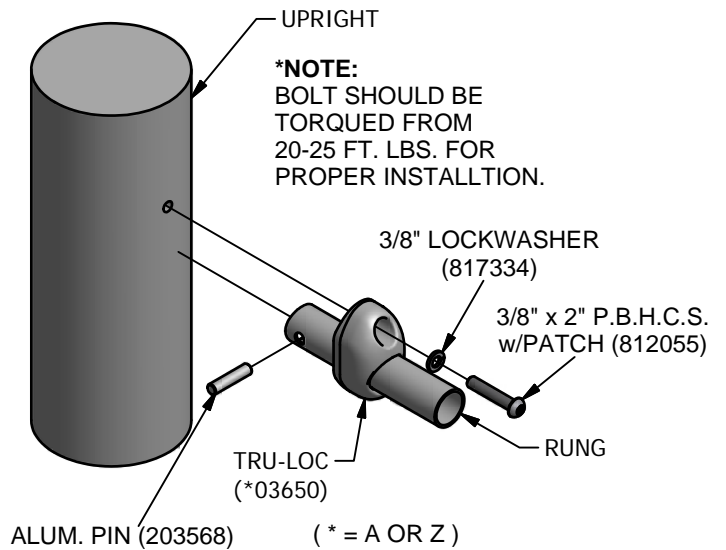
013



087



686



747

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 8/2/16

# 90224 DECO STEERING WHEEL PANEL

DECO STEERING WHEEL PANEL 90224  
DECO THUNDERRING PANEL 90226

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE

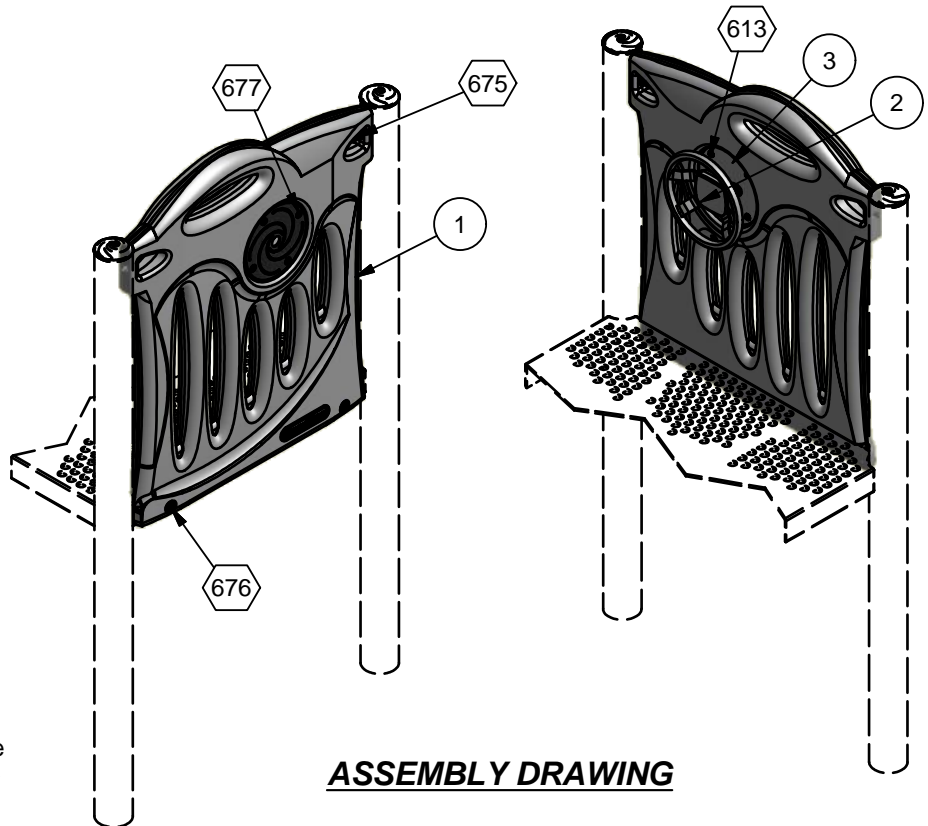
NOTE: SINGLE GIZMO PANEL  
(203439) MUST BE  
CENTERED IN DECK  
OPENING



UP TO 5'-0"  
DECK HEIGHTS



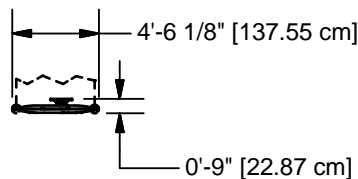
ALL  
DECK HEIGHTS



**ASSEMBLY DRAWING**

### **INSTALLATION INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Attach STEERING WHEEL or THUNDERRING to plate using Detail 613 before attaching plate to panel.



**TOP VIEW**



Parts List				
REF.	DESCRIPTION	90224	90226	PART NUMBER
1	SINGLE GIZMO PANEL	1	1	203439
2	STEERING WHEEL ASSEMBLY	1	0	163235
2	THUNDERRING	0	1	179013
3	WHEEL PLATE FRONT	1	1	203186
4	WHEEL PLATE REAR	1	1	207477
	<b>HARDWARE COMPLETE</b>	1	1	207552
	3/8" x 1" HEX HEAD BOLT - SS	2	2	801003*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	4	812056*
	3/8" FLAT WASHER	6	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" LOCKWASHER	10	10	817334*
	3/8" BARREL NUT	4	4	804804*
	3/8" LOCK NUT	2	2	804353*
	3/8" T-NUT	2	2	804556*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	4	4	812058*

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

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

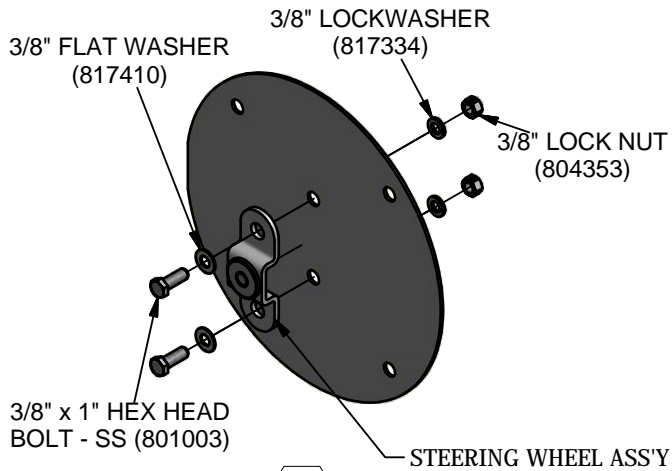
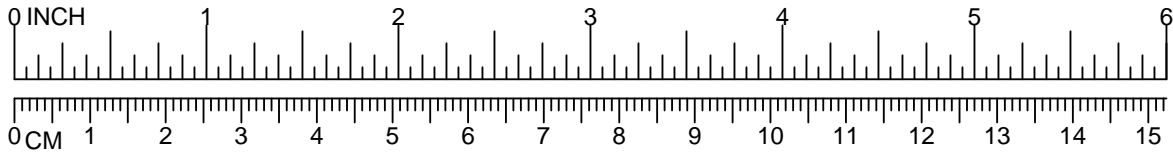
## DETAILS -for- 90224 AND 90226

### IMPORTANT

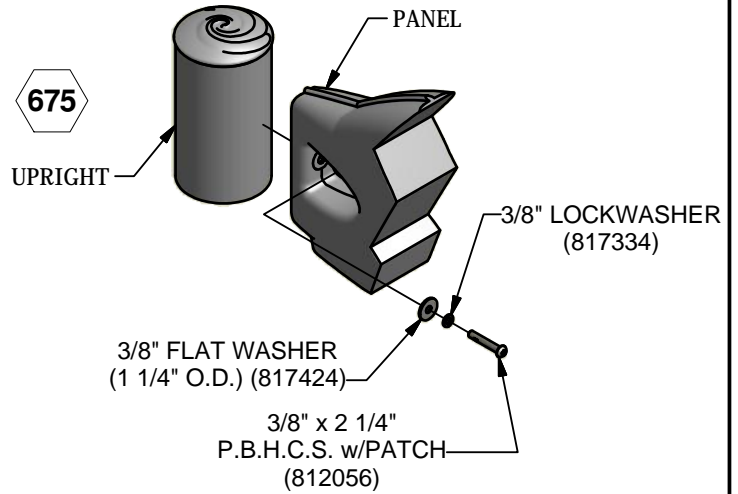
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

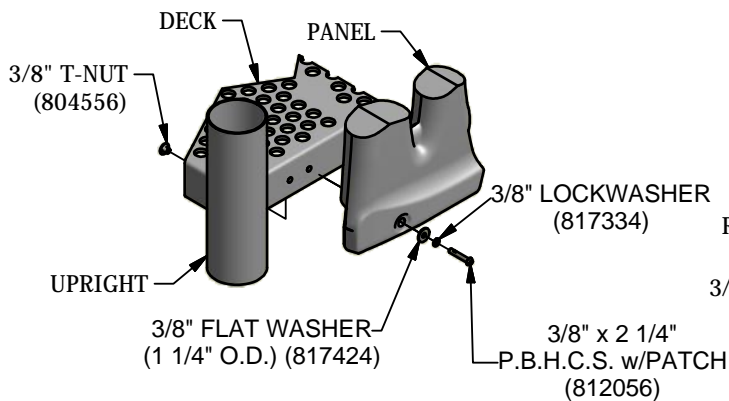
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



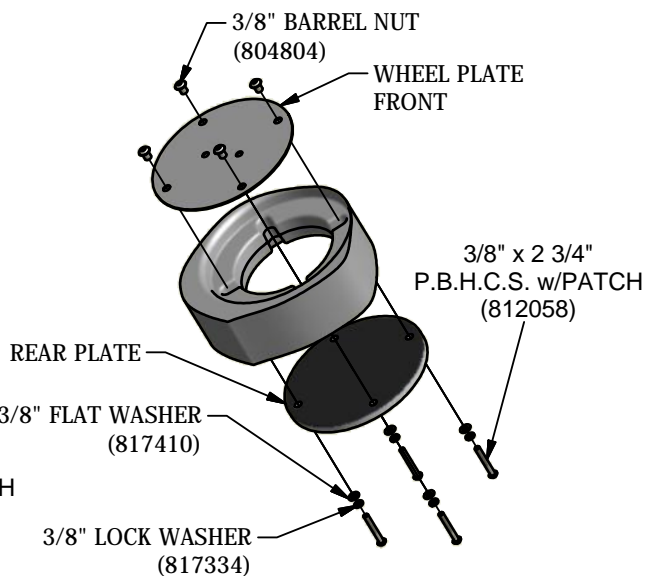
613



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677

# PowerScape

## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 07/17/12

# 90225 DECORATIVE PANEL

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE

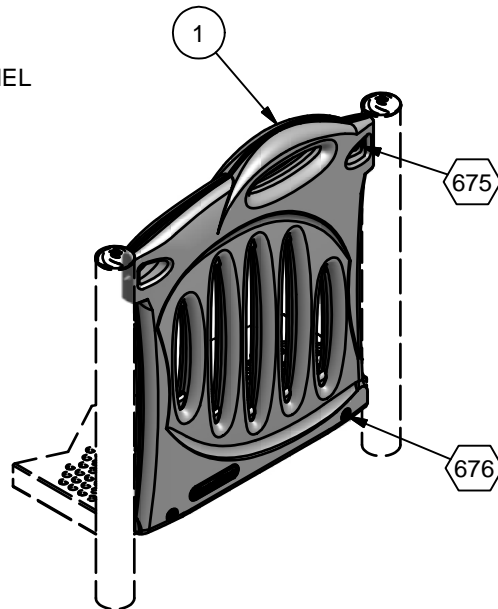
NOTE: DECORATIVE PANEL  
(203438) MUST BE  
CENTERED IN DECK  
OPENING



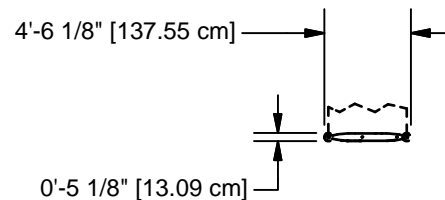
UP TO 5'-0"  
DECK HEIGHTS



ALL  
DECK HEIGHTS



### ASSEMBLY DRAWING



### TOP VIEW

### INSTALLATION INSTRUCTIONS

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	DECORATIVE PANEL	1	203438
	<b>HARDWARE COMPLETE</b>	1	203588
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCKWASHER	4	817334*
	3/8" T-NUT	2	804556*

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

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

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

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

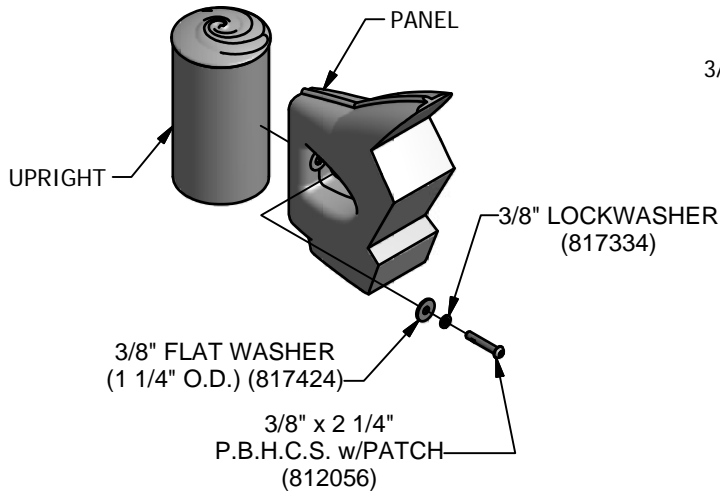
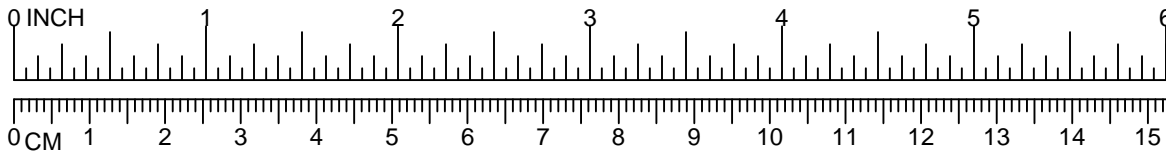
# DETAILS -for- 90225

## IMPORTANT

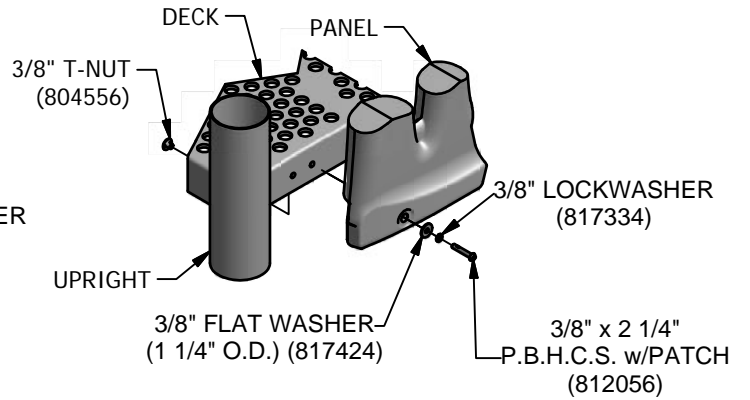
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



675



676

# PowerScape®



## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 12/13/12

# 90243 CHAIN LINK CLIMBER

-  = INSTALLATION
-  = PARTS LIST REFERENCE

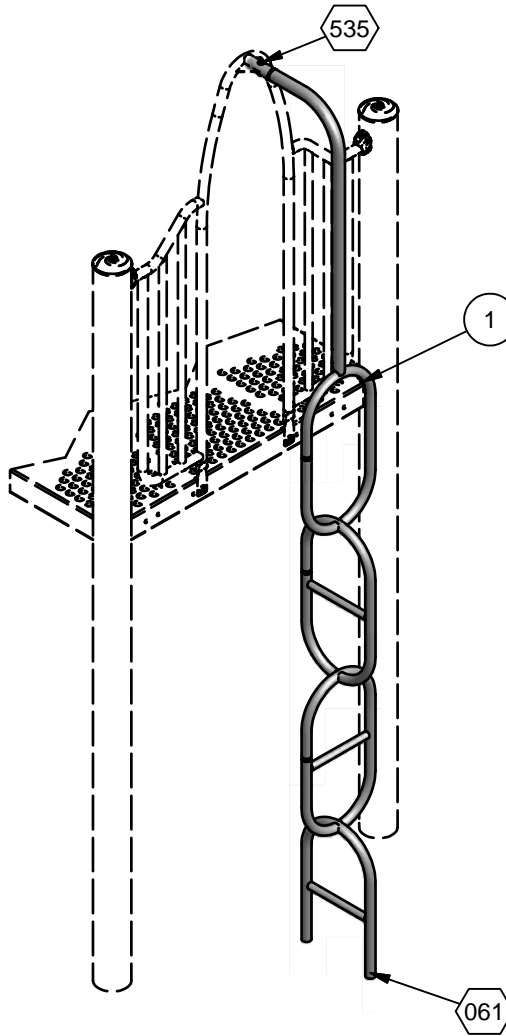
3'-0" & 3'-6"	90243
4'-0" & 4'-6"	90244
5'-0" & 5'-6"	90245
6'-0" & 6'-6"	90246
7'-0" & 7'-6"	90247
8'-0"	90248



90243  
90244  
90245 5'-0"



90245 5'-6"  
90246  
90247  
90248

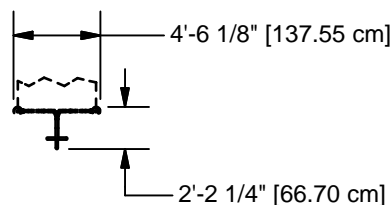


061 3'-6", 4'-6", 5'-6",  
6'-6", & 7'-6"

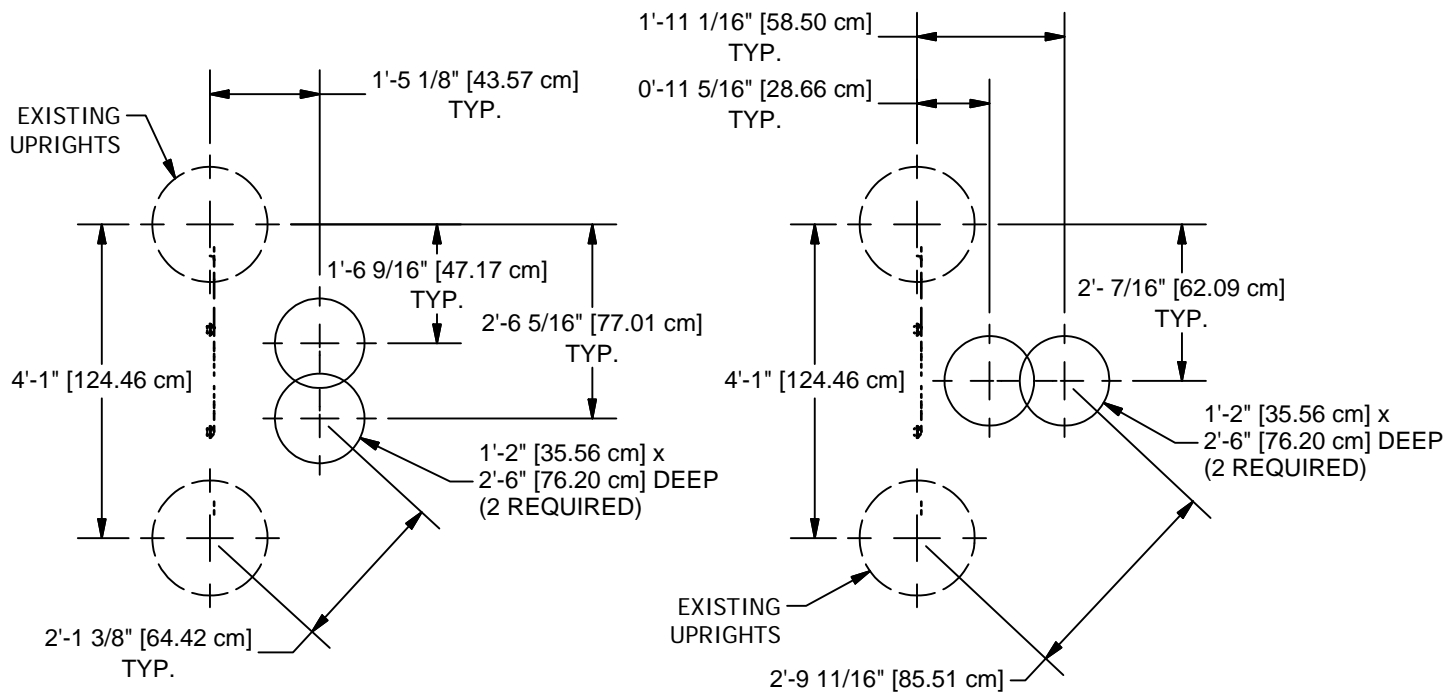
### INSTALLATION INSTRUCTIONS

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 90246 SHOWN



### TOP VIEW



**90243, 90244, 90247, & 90248**

**90245 & 90246**

CONCRETE REQUIRED  
 .12 CUBIC YARDS  
 [.1 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.

Parts List								
REF.	DESCRIPTION	90243	90244	90245	90246	90247	90248	PART NUMBER
1	CHAIN LINK CLIMBER ASS'Y	1	0	0	0	0	0	178969
1	CHAIN LINK CLIMBER ASS'Y	0	1	0	0	0	0	178971
1	CHAIN LINK CLIMBER ASS'Y	0	0	1	0	0	0	178973
1	CHAIN LINK CLIMBER ASS'Y	0	0	0	1	0	0	178975
1	CHAIN LINK CLIMBER ASS'Y	0	0	0	0	1	0	203584
1	CHAIN LINK CLIMBER ASS'Y	0	0	0	0	0	1	203031
	<b>HARDWARE COMPLETE</b>	1	1	1	1	1	0	203660
	<b>HARDWARE COMPLETE</b>	0	0	0	0	0	1	203661
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	1	1	812053*
	3/8" x 2" HEX HEAD BOLT	2	2	2	2	2	0	801007*
	3/8" FLAT WASHER	1	1	1	1	1	1	817410*
	3/8" LOCKWASHER	2	2	2	2	2	0	817334*
	3/8" BARREL NUT	1	1	1	1	1	1	804804*
	3/8" HEX NUT	2	2	2	2	2	0	804053*
	1.029" O.D. EXTENSION	2	2	2	2	2	0	158359*

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

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

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

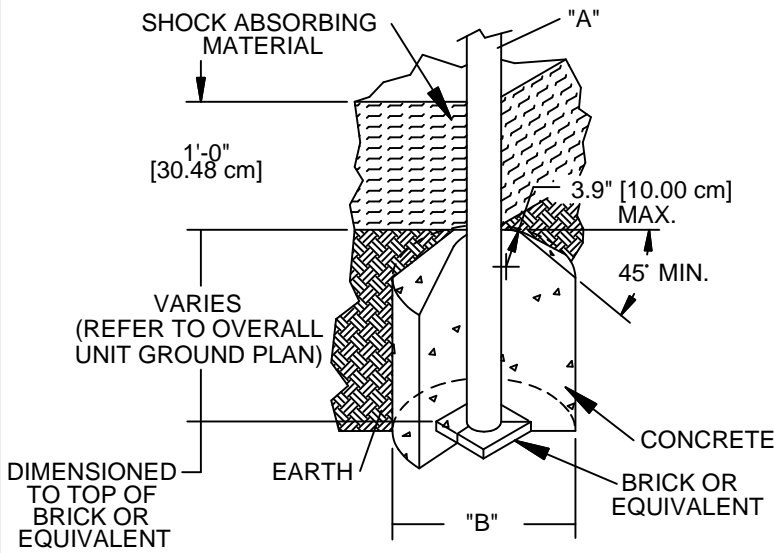
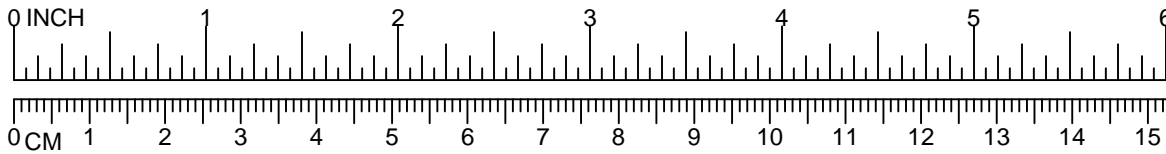
# DETAILS -for- 90243-90248

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:**

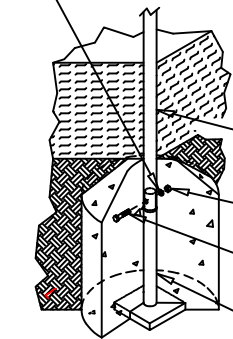
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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)

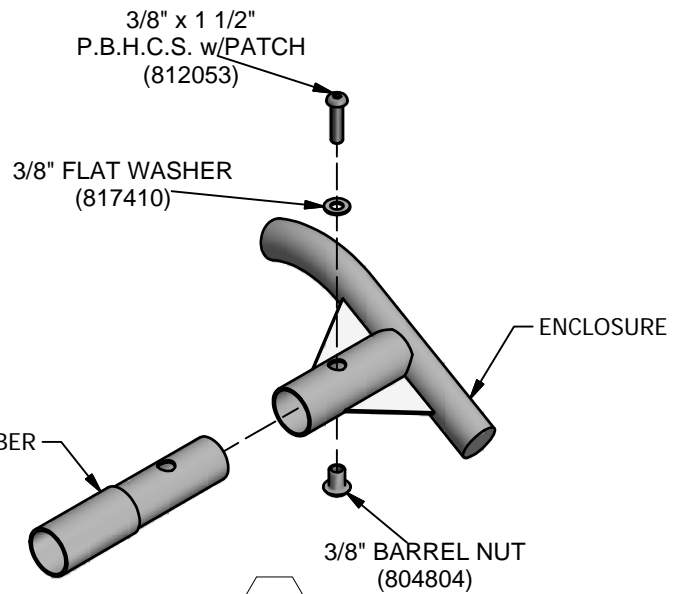


LEG, SEE CHART FOR SIZE

3/8" HEX NUT  
(804053)

SEE CHART FOR SIZE

EXTENSION



# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 7/3/12

# 90249 LEANING WALL CLIMBER

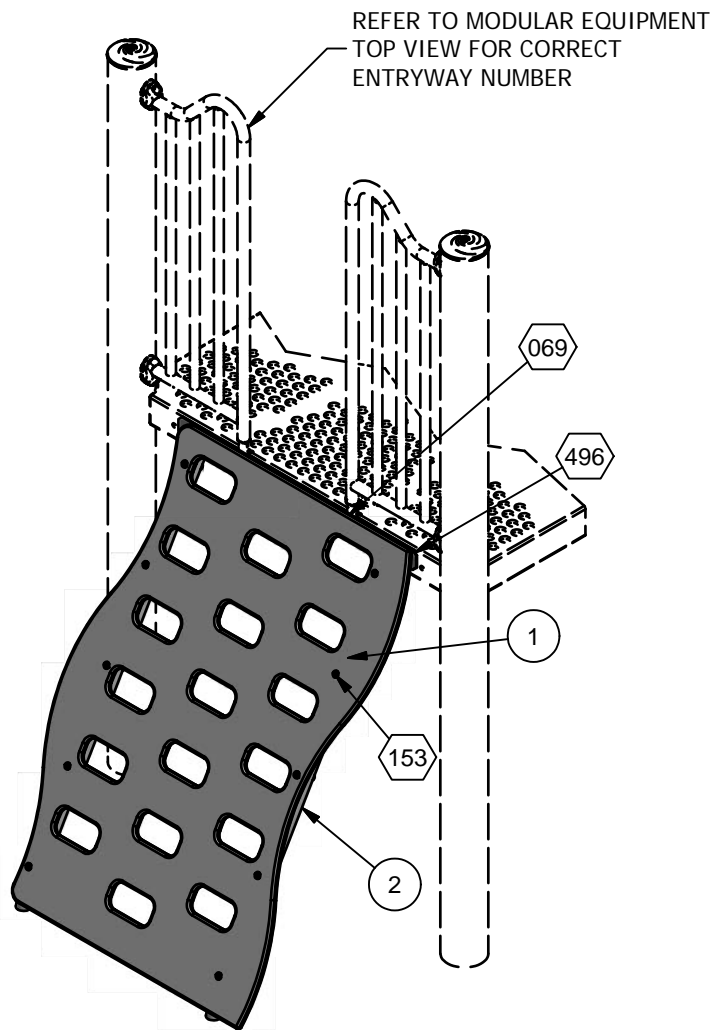
- ⬡ = INSTALLATION DETAIL
- = PARTS LIST REFERENCE



90249  
90250  
90251  
90252  
90253  
90254



90255  
90256  
90257  
90258  
90259  
90260



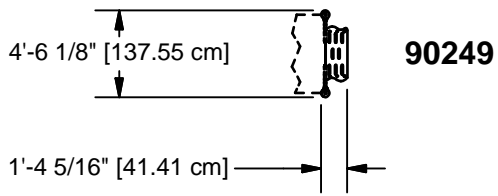
2'-0"	90249
2'-6"	90250
3'-0"	90251
4'-0"	90252
4'-6"	90253
5'-0"	90254
5'-6"	90255
6'-0"	90256
6'-6"	90257
7'-0"	90258
7'-6"	90259
8'-0"	90260

### ASSEMBLY DRAWING 90252 SHOWN

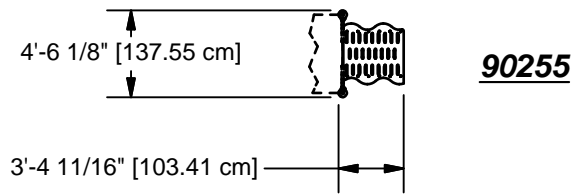
#### **INSTALLATION INSTRUCTIONS**

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.

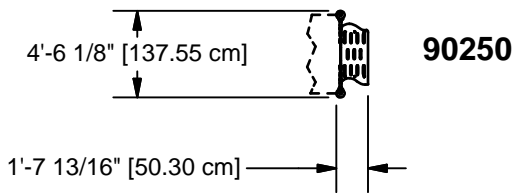




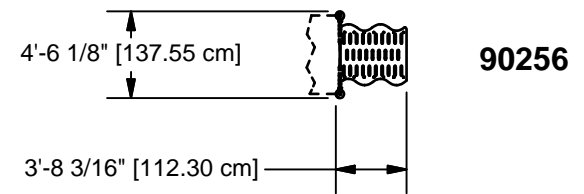
**90249**



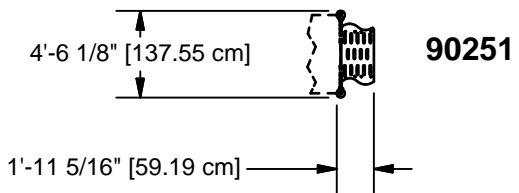
**90255**



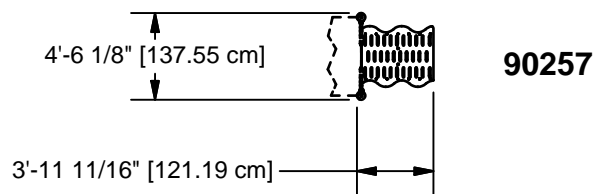
**90250**



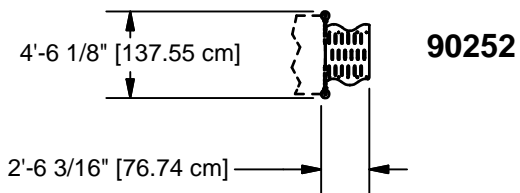
**90256**



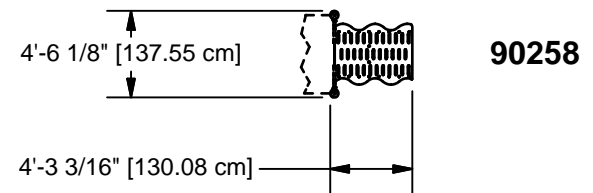
**90251**



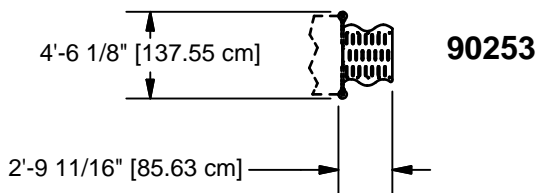
**90257**



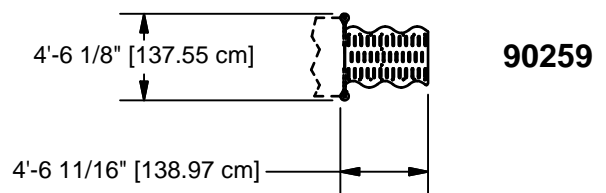
**90252**



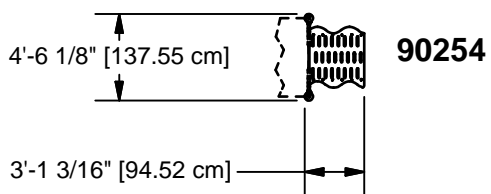
**90258**



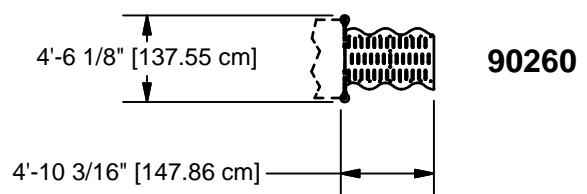
**90253**



**90259**

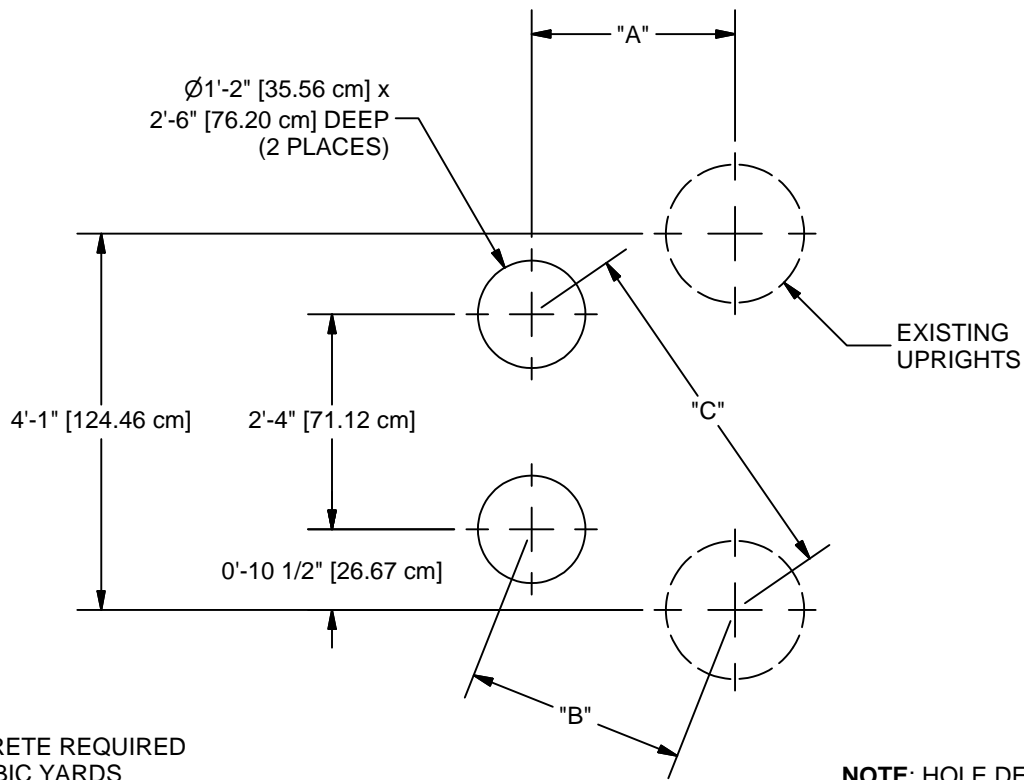


**90254**



**90260**

**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 NUM
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
	<b>HARDWARE COMPLETE</b>	1	1	0	0	0	0	203680
	<b>HARDWARE COMPLETE</b>	0	0	1	0	0	0	203681
	<b>HARDWARE COMPLETE</b>	0	0	0	1	1	0	203682
	<b>HARDWARE COMPLETE</b>	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" LOCKWASHER	4	4	4	4	4	4	817334*
	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 (SHORT)	6	6	8	10	10	12	804558*

*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 NUM
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
	<b>HARDWARE COMPLETE</b>	1	0	0	0	0	0	203683
	<b>HARDWARE COMPLETE</b>	0	1	1	0	0	0	203684
	<b>HARDWARE COMPLETE</b>	0	0	0	1	1	0	203685
	<b>HARDWARE COMPLETE</b>	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" LOCKWASHER	4	4	4	4	4	4	817334*
	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 (SHORT)	12	16	16	18	18	20	804558*

*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.**

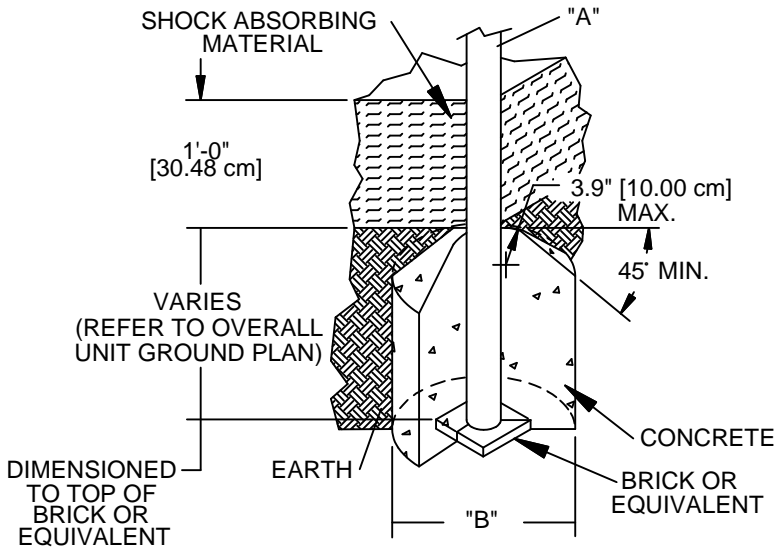
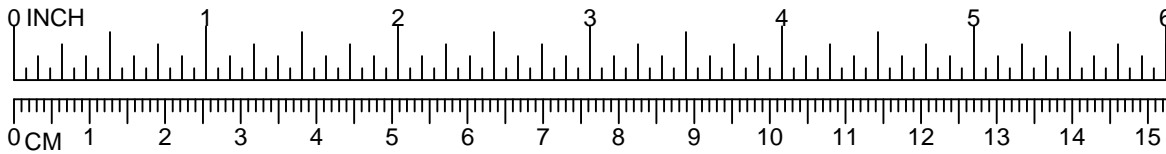
# DETAILS -for- 90249-90260

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.



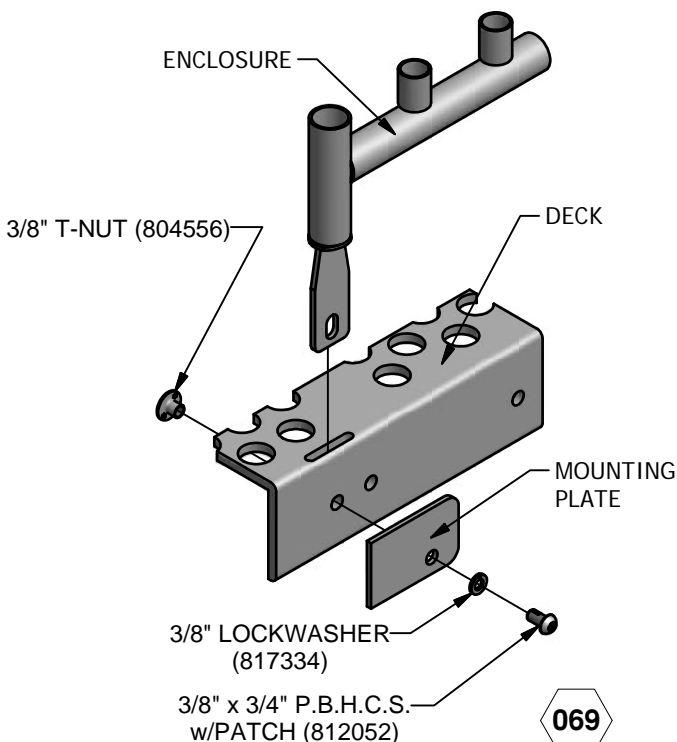
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

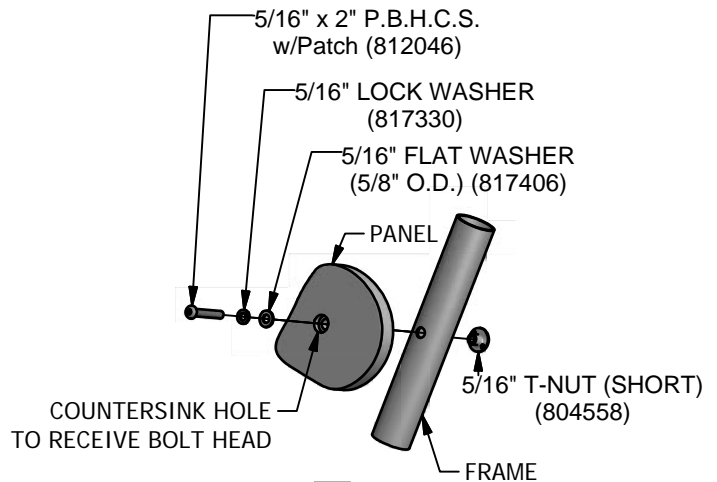
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



069



153

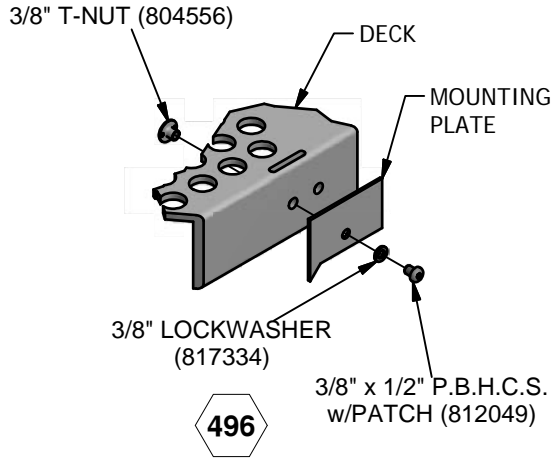
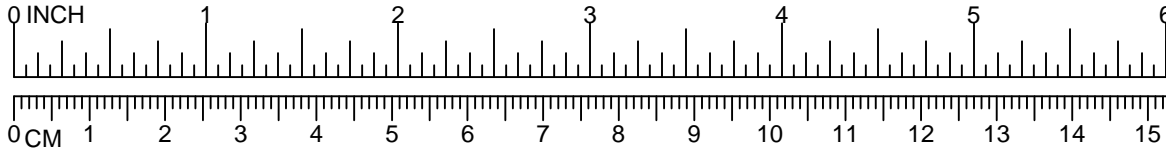
# DETAILS -for- 90249-90260

## 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.



# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/7/13

# 90305 ARCHWAY w/ SOCKET

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

GUARDRAIL 90305  
BARRIER 90306

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**

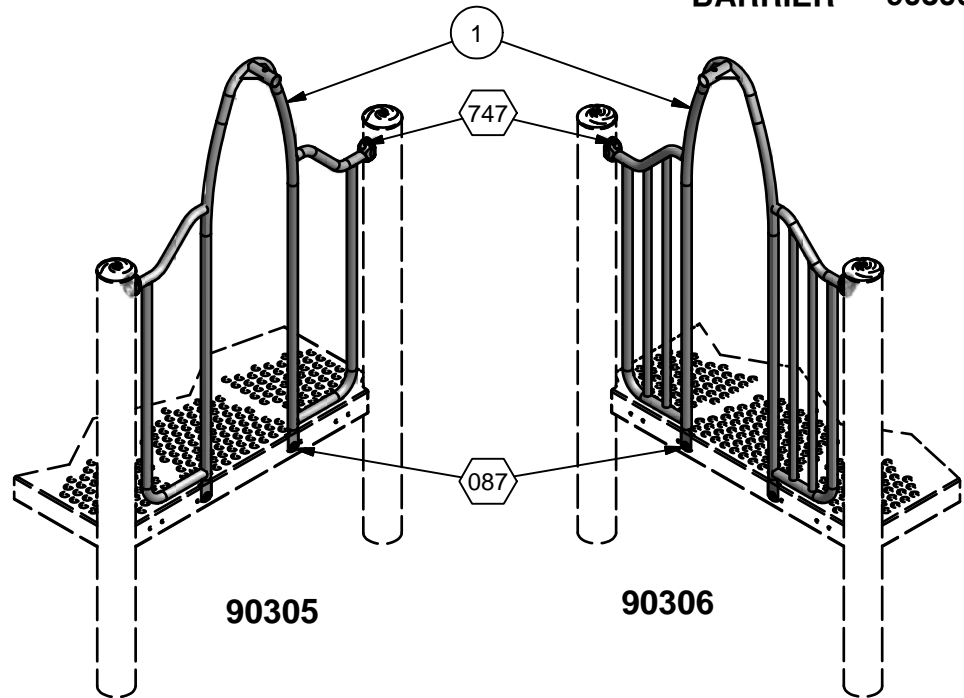
**5 TO 12**

**YEARS OLD**

Adult supervision is recommended

Enriching Childhood Through Play™  
www.gametime.com

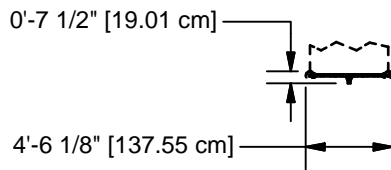
90305  
4'-0"  
OR  
BELOW



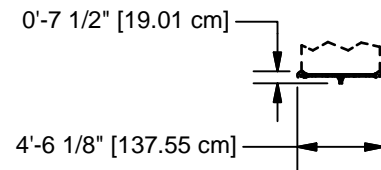
**ASSEMBLY DRAWINGS**

### **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
	<b>HARDWARE COMPLETE</b>	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.**



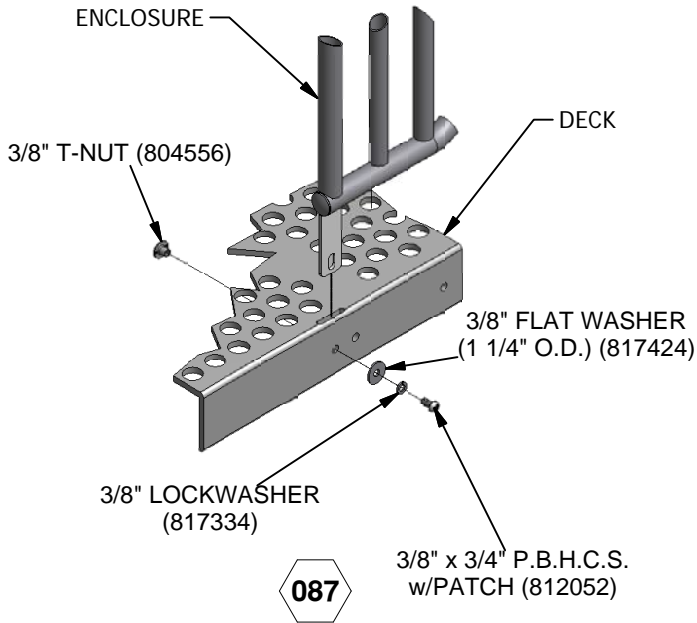
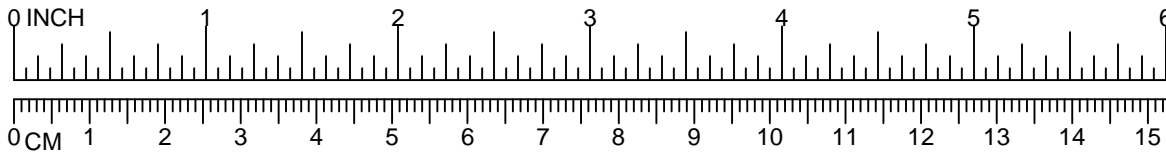
# DETAILS -for- 90305 & 90306

## IMPORTANT

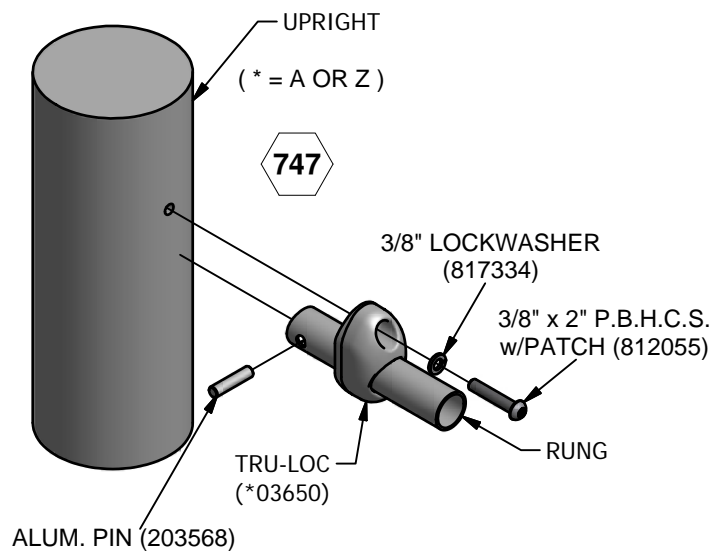
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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: 03/09/12

# 90329 DNA CLIMBER

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

REFER TO MODULAR EQUIPMENT  
TOP VIEW FOR CORRECT  
ENTRYWAY NUMBER

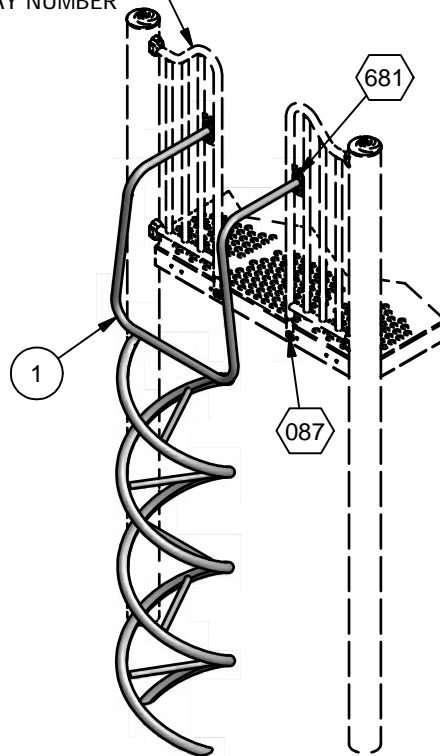
3'-0"	90329
4'-0"	90330
5'-0"	90331
6'-0"	90332
7'-0"	90333
8'-0"	90334



90329  
90330  
90331



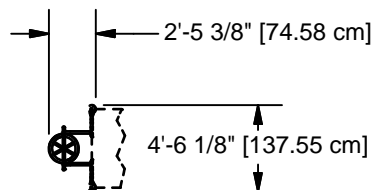
90332  
90333  
90334



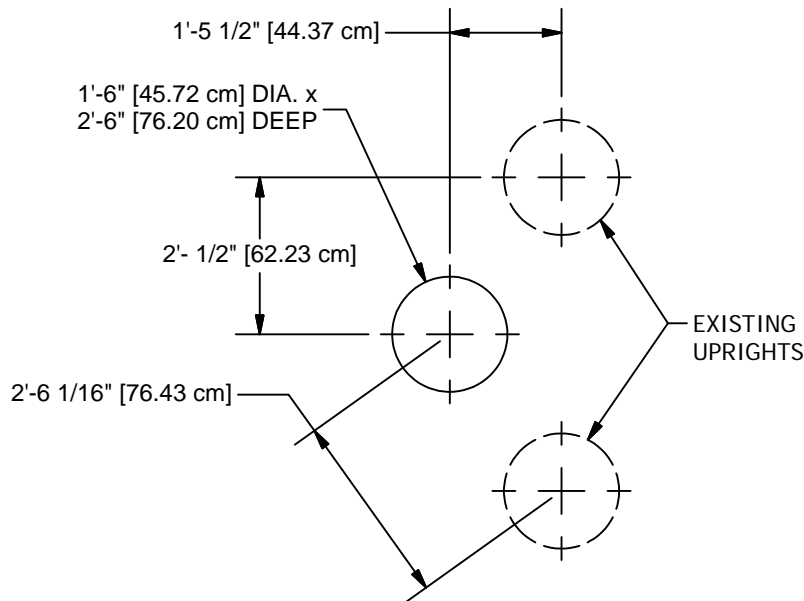
**ASSEMBLY DRAWING**  
**90332 SHOWN**

### **INSTALLATION INSTRUCTIONS**

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



**TOP VIEW**



**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:  
.10 CUBIC YARDS  
[.08 CUBIC METERS]

Parts List								
REF.	DESCRIPTION	90329	90330	90331	90332	90333	90334	PART NUMBER
1	3' DNA CLIMBER WELD ASS'Y	1	0	0	0	0	0	203757
1	4' DNA CLIMBER WELD ASS'Y	0	1	0	0	0	0	203760
1	5' DNA CLIMBER WELD ASS'Y	0	0	1	0	0	0	203762
1	6' DNA CLIMBER WELD ASS'Y	0	0	0	1	0	0	203764
1	7' DNA CLIMBER WELD ASS'Y	0	0	0	0	1	0	203766
1	8' DNA CLIMBER WELD ASS'Y	0	0	0	0	0	1	203768
	<b>HARDWARE COMPLETE</b>	1	1	1	1	1	1	203786
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	4	4	4	4	4	4	812050*
	3/8" FLAT WASHER	4	8	8	8	8	8	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	6	6	6	6	6	817424*
	3/8" LOCKWASHER	6	6	6	6	6	6	817334*
	3/8" ACORN NUT	4	4	4	4	4	4	804002*
	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.**

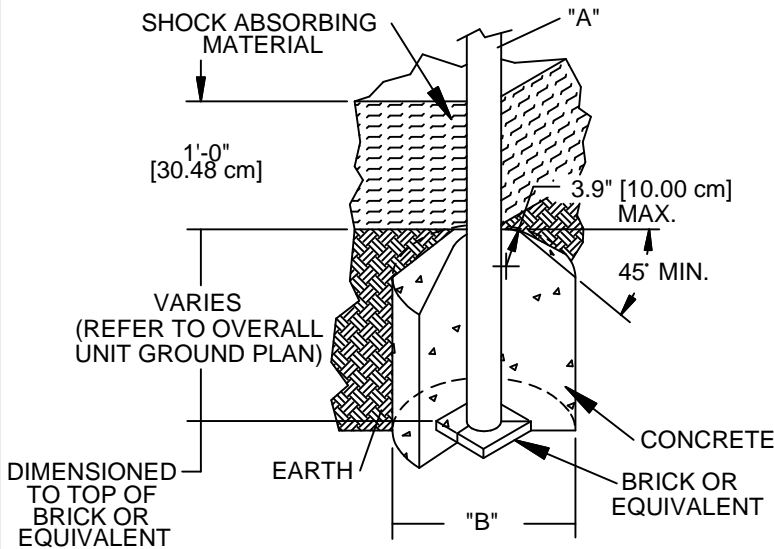
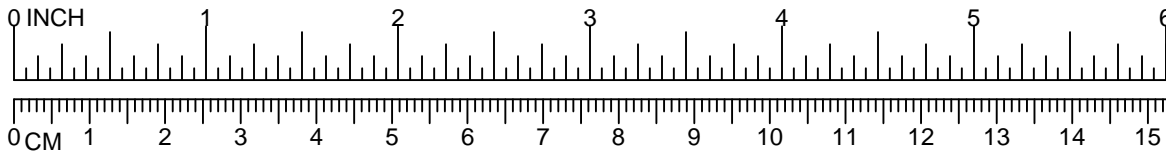
# DETAILS -for- 90329-90334

## 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.



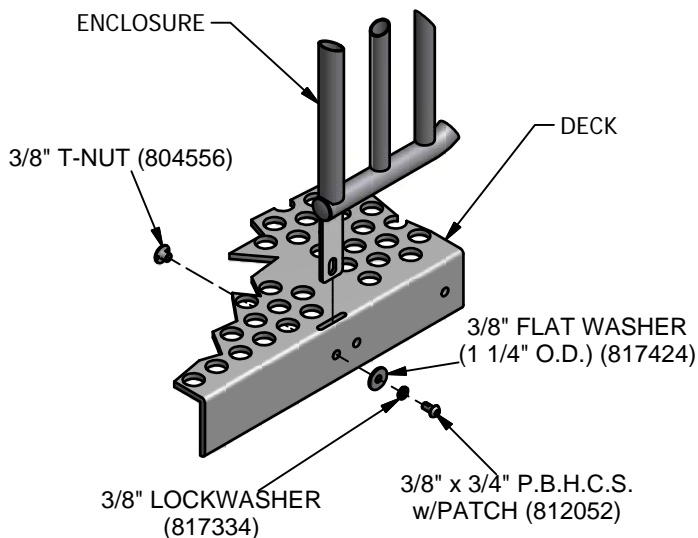
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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

### NOTES:

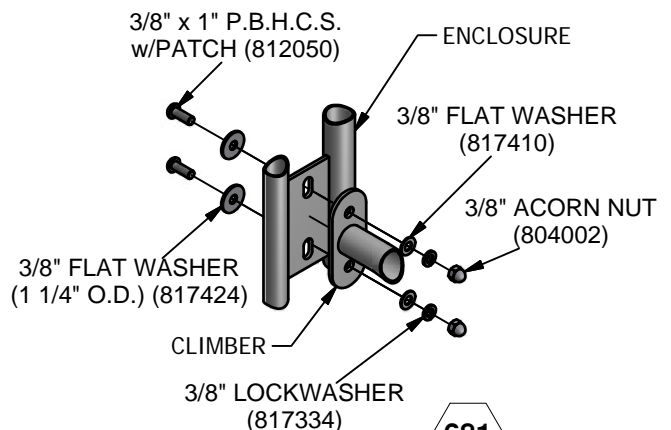
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.





087



681

# STOREFRONT PANEL

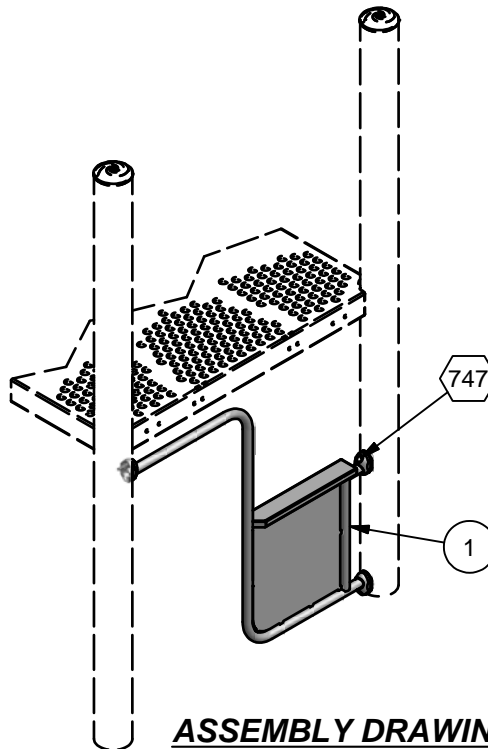
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE



4'-0"  
to  
5'-0"



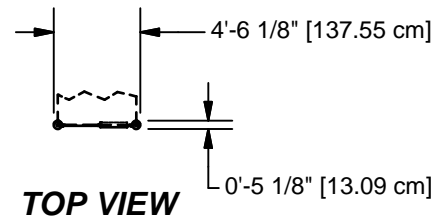
5'-6"  
to  
8'-0"



**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	QTY	PART NUMBER
1	STOREFRONT ASS'Y	1	203930
	TRU-LOC	3	A03650
	<b>HARDWARE COMPLETE</b>	1	203936
	3/8" x 2" P.B.H.C.S. w/PATCH	3	812055*
	3/8" LOCKWASHER	3	817334*
	ALUM. PIN	3	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.**

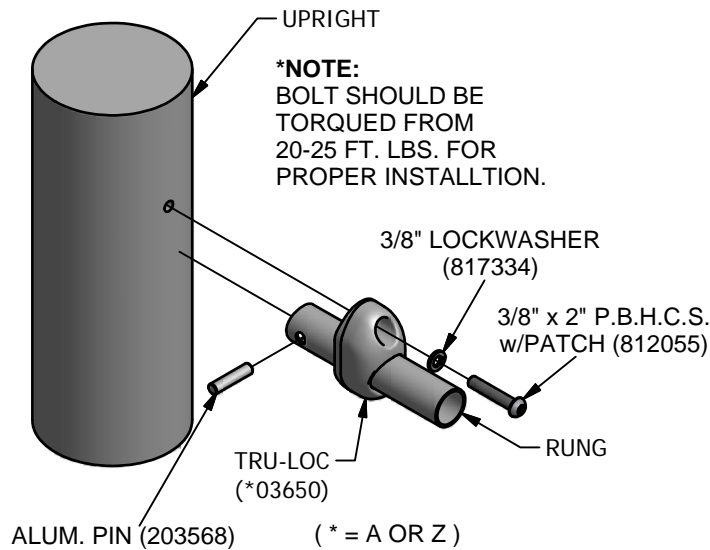
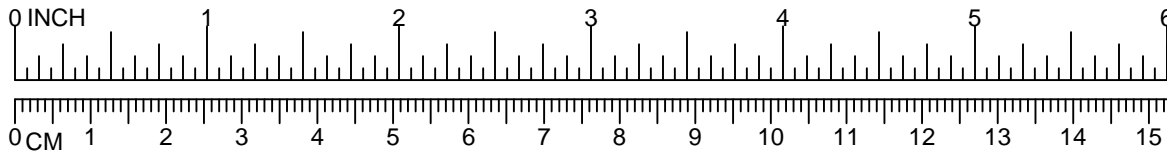
# DETAILS -for- 90355

## 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: 11/19/12

## ADA PUNCHED STEEL WALKWAY

⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

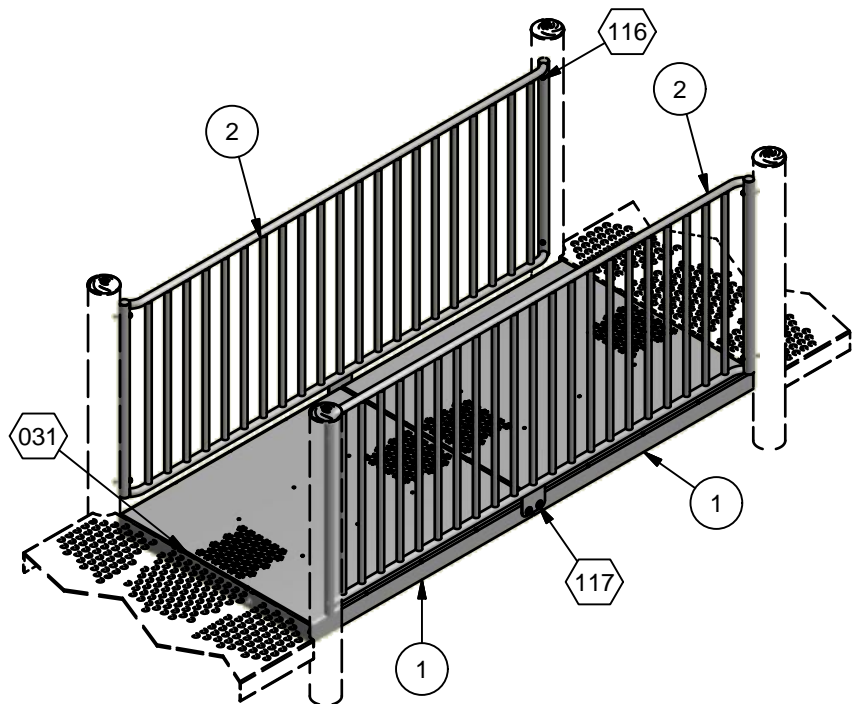


90406 - 1'-0" TO 5'-0"  
90407  
90408 - 1'-6" TO 5'-0"  
90409  
90686  
90687  
90688  
90689  
90690  
90691  
90692  
90693  
90694



ALL

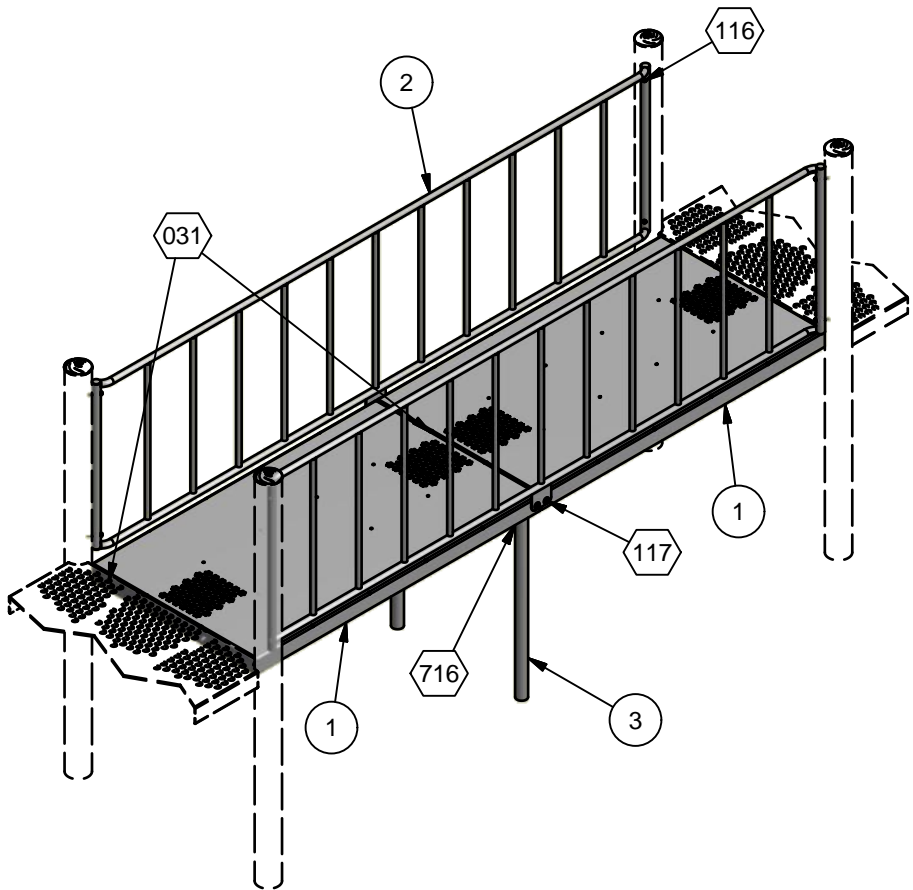
(BARRIER) 2 DECK SPAN 1'-0" THRU 8'-0"	90406
(GUARDRAIL) 2 DECK SPAN 1'-0"	90407
(BARRIER) 3 DECK SPAN 1'-0" THRU 8'-0"	90408
(GUARDRAIL) 3 DECK SPAN 1'-0"	90409
(GUARDRAIL) 2 DECK SPAN 1'-6"	90686
(GUARDRAIL) 2 DECK SPAN 2'-0"	90687
(GUARDRAIL) 2 DECK SPAN 2'-6"	90688
(GUARDRAIL) 2 DECK SPAN 3'-0"	90689
(GUARDRAIL) 2 DECK SPAN 3'-6"	90690
(GUARDRAIL) 2 DECK SPAN 4'-0"	90691
(GUARDRAIL) 3 DECK SPAN 1'-6"	90692
(GUARDRAIL) 3 DECK SPAN 2'-0"	90693
(GUARDRAIL) 3 DECK SPAN 2'-6"	90694
(GUARDRAIL) 3 DECK SPAN 3'-0"	90695
(GUARDRAIL) 3 DECK SPAN 3'-6"	90696
(GUARDRAIL) 3 DECK SPAN 4'-0"	90697



**ASSEMBLY DRAWING**  
90406 SHOWN  
90408 SIMILAR

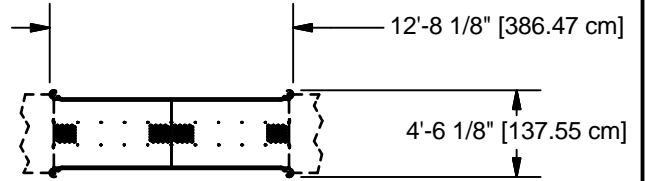
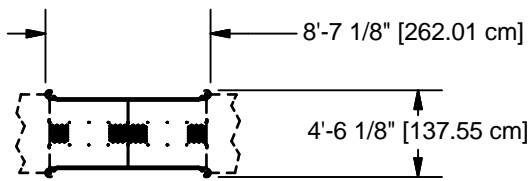
### INSTALLATION INSTRUCTIONS

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. Fasten deck/bridge together using (4) Detail 031 per connection. Note: Remove vinyl from holes, ream with 1/2" drill bit.



**ASSEMBLY DRAWING**  
**90697 SHOWN**  
**OTHERS SIMILAR**

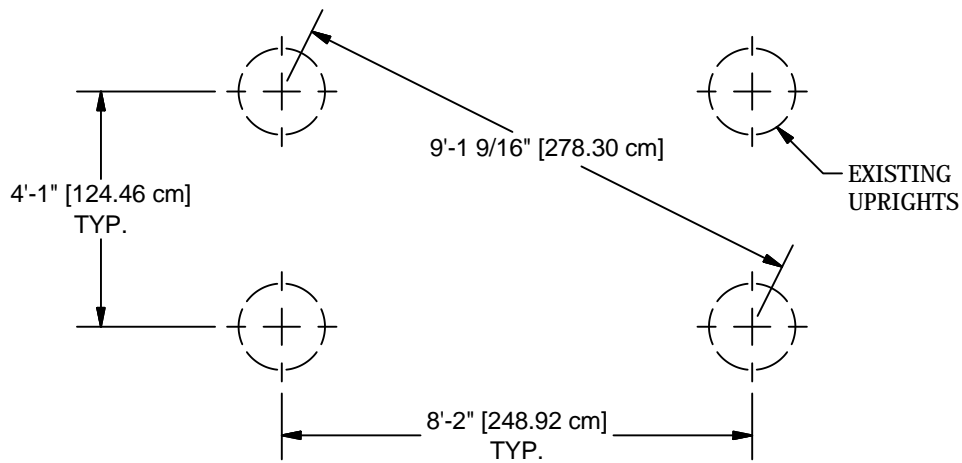




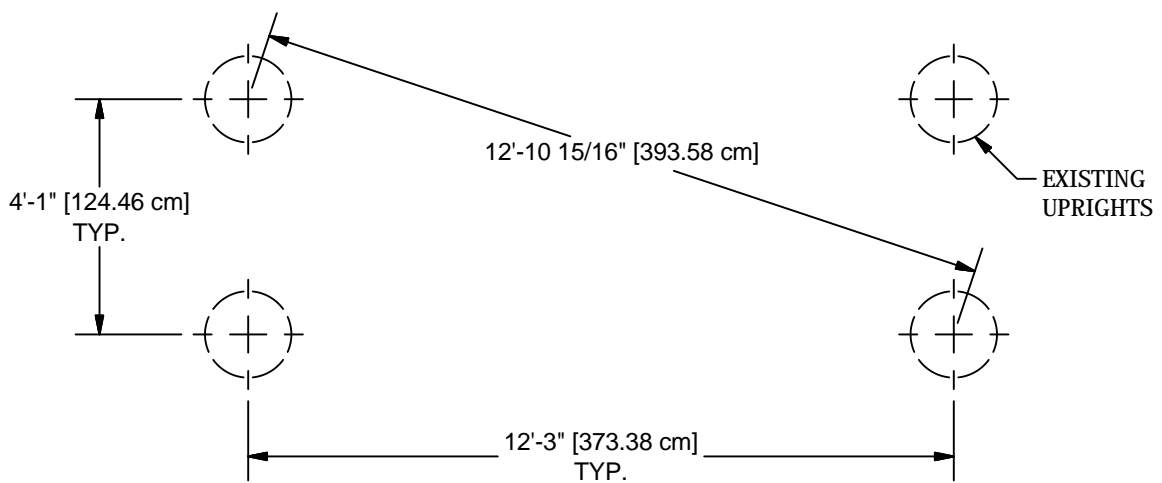
**90406 / 90407 / 90686 / 90687 /  
90688 / 90689 / 90690 / 90691**

**90408 / 90409 / 90692 / 90693 /  
90694 / 90695 / 90696 / 90697**

**TOP VIEWS**



**90406 / 90407 / 90686 / 90687 /  
90688 / 90689 / 90690 / 90691**



**90408 / 90409 / 90692 / 90693 /  
90694 / 90695 / 90696 / 90697**

**GROUND PLANS**

Parts List						
REF.	DESCRIPTION	90406	90407	90408	90409	PART NUMBER
1	ADA RAMP	2	2	0	0	163936
1	ADA RAMP	0	0	2	2	163655
2	2 DECK SPAN BARRIER WELD ASS'Y	2	0	0	0	204476
2	2 DECK SPAN GUARDRAIL WELD ASS'Y	0	2	0	0	204481
2	3 DECK SPAN BARRIER WELD ASS'Y	0	0	2	0	204483
2	3 DECK SPAN GUARDRAIL WELD ASS'Y	0	0	0	2	204486
3	GROUND SUPPORT	0	2	0	2	205434
3	GROUND SUPPORT	0	0	0	0	205420
3	GROUND SUPPORT	0	0	0	0	205416
3	GROUND SUPPORT	0	0	0	0	205424
3	GROUND SUPPORT	0	0	0	0	205418
3	GROUND SUPPORT	0	0	0	0	205428
3	GROUND SUPPORT	0	0	0	0	205669
	<b>HARDWARE COMPLETE</b>	1	0	1	0	164894
	<b>HARDWARE COMPLETE</b>	0	1	0	1	205832
	3/8" x 3/4" P.B.H.C.S. w/PATCH	16	14	16	14	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	0	2	0	2	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCKWASHER	24	24	24	24	817334*
	3/8" T-NUT	16	16	16	16	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.**

Parts List						
REF.	DESCRIPTION	90686	90687	90688	90689	PART NUMBER
1	ADA RAMP	2	2	2	2	163936
1	ADA RAMP	0	0	0	0	163655
2	2 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204476
2	2 DECK SPAN GUARDRAIL WELD ASS'Y	2	2	2	2	204481
2	3 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204483
2	3 DECK SPAN GUARDRAIL WELD ASS'Y	0	0	0	0	204486
3	GROUND SUPPORT	0	0	0	0	205434
3	GROUND SUPPORT	2	0	0	0	205420
3	GROUND SUPPORT	0	2	0	0	205416
3	GROUND SUPPORT	0	0	2	0	205424
3	GROUND SUPPORT	0	0	0	2	205418
3	GROUND SUPPORT	0	0	0	0	205428
3	GROUND SUPPORT	0	0	0	0	205669
	<b>HARDWARE COMPLETE</b>	0	0	0	0	164894
	<b>HARDWARE COMPLETE</b>	1	1	1	1	205832
	3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCKWASHER	24	24	24	24	817334*
	3/8" T-NUT	16	16	16	16	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.**

Parts List						
REF.	DESCRIPTION	90690	90691	90692	90693	PART NUMBER
1	ADA RAMP	2	2	0	0	163936
1	ADA RAMP	0	0	2	2	163655
2	2 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204476
2	2 DECK SPAN GUARDRAIL WELD ASS'Y	2	2	0	0	204481
2	3 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204483
2	3 DECK SPAN GUARDRAIL WELD ASS'Y	0	0	2	2	204486
3	GROUND SUPPORT	0	0	0	0	205434
3	GROUND SUPPORT	0	0	2	0	205420
3	GROUND SUPPORT	0	0	0	2	205416
3	GROUND SUPPORT	0	0	0	0	205424
3	GROUND SUPPORT	0	0	0	0	205418
3	GROUND SUPPORT	2	0	0	0	205428
3	GROUND SUPPORT	0	2	0	0	205669
	<b>HARDWARE COMPLETE</b>	0	0	0	0	164894
	<b>HARDWARE COMPLETE</b>	1	1	1	1	205832
	3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCKWASHER	24	24	24	24	817334*
	3/8" T-NUT	16	16	16	16	804556*

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

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

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

Parts List						
REF.	DESCRIPTION	90694	90695	90696	90697	PART NUMBER
1	ADA RAMP	0	0	0	0	163936
1	ADA RAMP	2	2	2	2	163655
2	2 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204476
2	2 DECK SPAN GUARDRAIL WELD ASS'Y	0	0	0	0	204481
2	3 DECK SPAN BARRIER WELD ASS'Y	0	0	0	0	204483
2	3 DECK SPAN GUARDRAIL WELD ASS'Y	2	2	2	2	204486
3	GROUND SUPPORT	0	0	0	0	205434
3	GROUND SUPPORT	0	0	0	0	205420
3	GROUND SUPPORT	0	0	0	0	205416
3	GROUND SUPPORT	2	0	0	0	205424
3	GROUND SUPPORT	0	2	0	0	205418
3	GROUND SUPPORT	0	0	2	0	205428
3	GROUND SUPPORT	0	0	0	2	205669
	<b>HARDWARE COMPLETE</b>	0	0	0	0	164894
	<b>HARDWARE COMPLETE</b>	1	1	1	1	205832
	3/8" x 3/4" P.B.H.C.S. w/PATCH	14	14	14	14	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	2	2	812050*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	8	8	8	8	812057*
	3/8" FLAT WASHER (1 1/4" O.D.)	16	16	16	16	817424*
	3/8" LOCKWASHER	24	24	24	24	817334*
	3/8" T-NUT	16	16	16	16	804556*

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

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

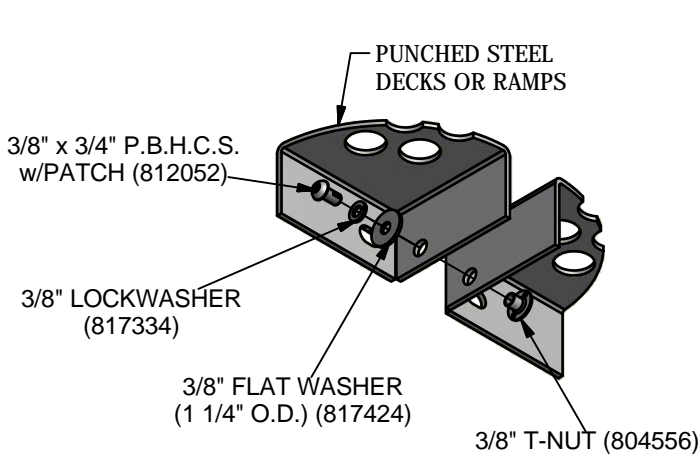
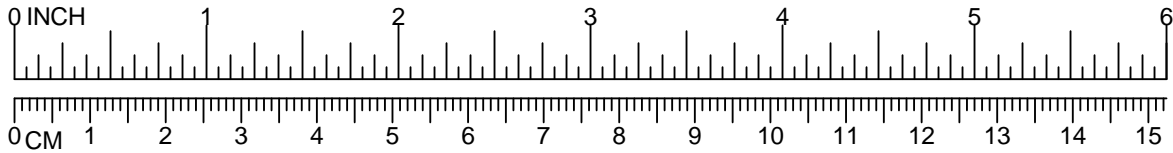
## DETAILS -for- 90406 THRU 90409 & 90686 THRU 90697

**IMPORTANT**

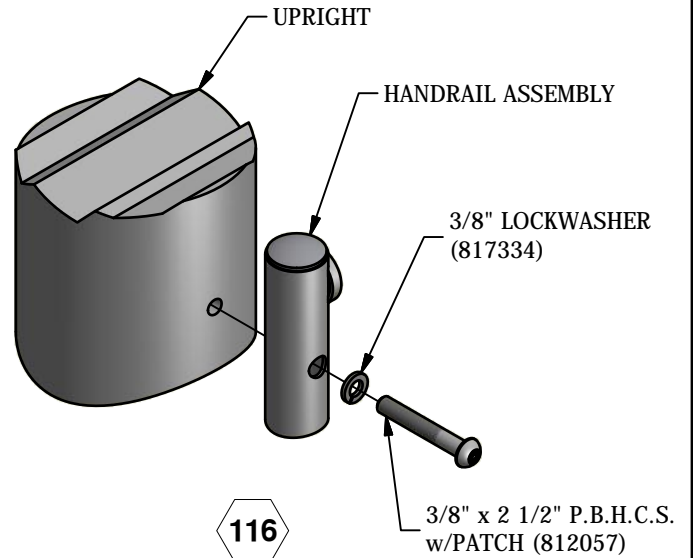
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

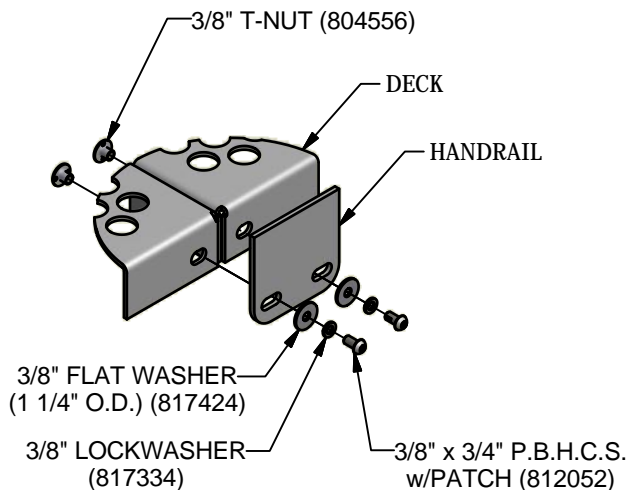
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



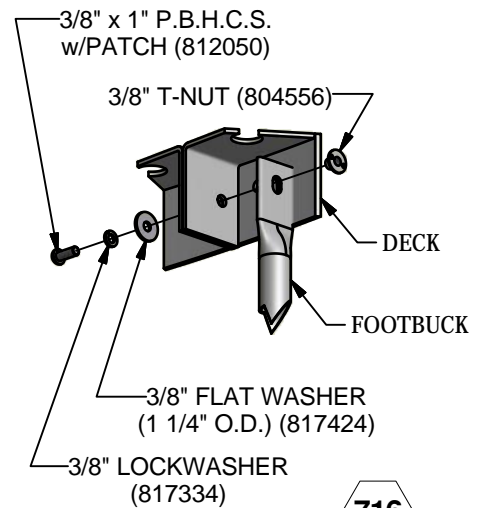
**031**



**116**



**117**



**716**

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 07/24/12

# 90430 SINGLE GIZMO PANEL

FOR GIZMO, SEE INSTALLATION SHEET 4839

⬡ = INSTALLATION  
= DETAIL

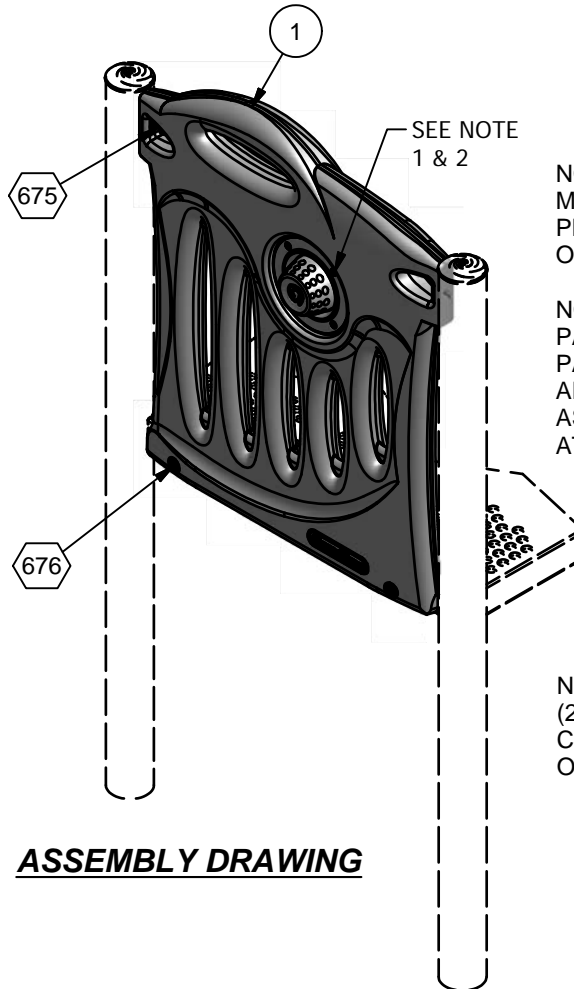
○ = PARTS LIST  
= REFERENCE



UP TO 5'-0"  
DECK HEIGHTS



ALL  
DECK HEIGHTS



NOTE 1: GIZMO OPENING  
MUST BE FILLED BEFORE  
PLAYGROUND IS  
OPERATIONAL.

NOTE 2: ATTACH GIZMO TO  
PANEL BEFORE ASSEMBLING  
PANELS TO UPRIGHTS. SEE  
APPROPRIATE GIZMO  
ASSEMBLY DRAWING FOR  
ATTACHMENT.

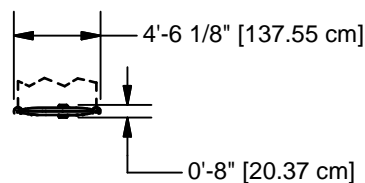
NOTE 3: GIZMO PANEL  
(203439) MUST BE  
CENTERED IN DECK  
OPENING

**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	QTY	PART NUMBER
1	SINGLE GIZMO PANEL	1	203439
	<b>HARDWARE COMPLETE</b>	1	203589
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	4	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCKWASHER	4	817334*
	3/8" T-NUT	2	804556*

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

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

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



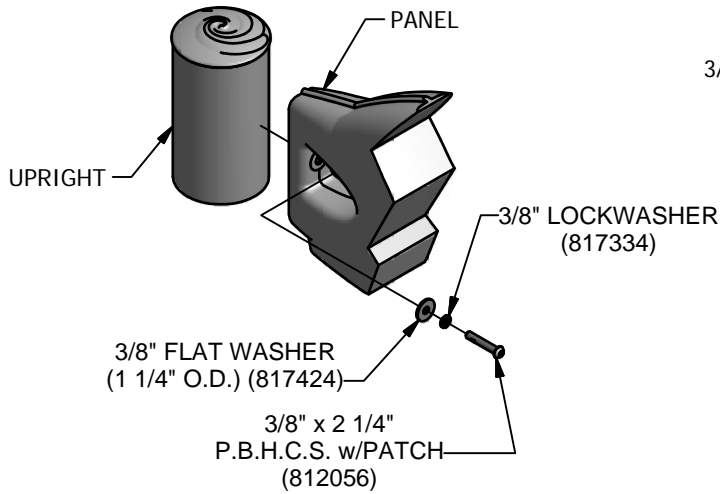
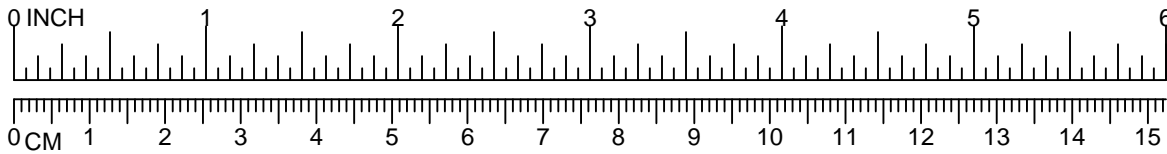
# DETAILS -for- 90430

**IMPORTANT**

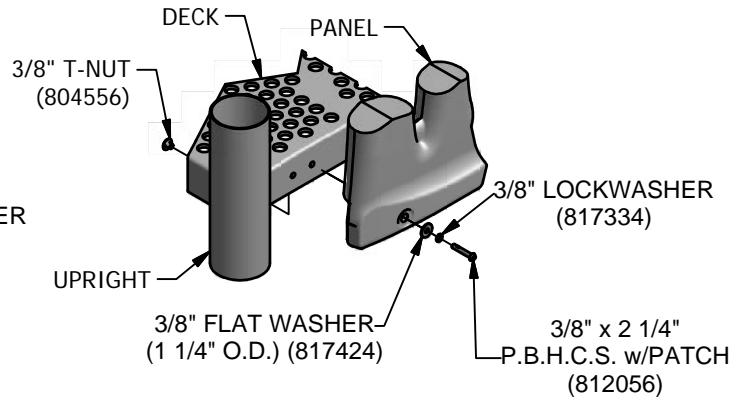
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



675



676

# PowerScape®



## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

# 90476 RUNG ENCLOSURE (GUARDRAIL)

-  = INSTALLATION
-  = PARTS LIST REFERENCE

(ABOVE DECK) 90476  
(BELOW DECK) 90477



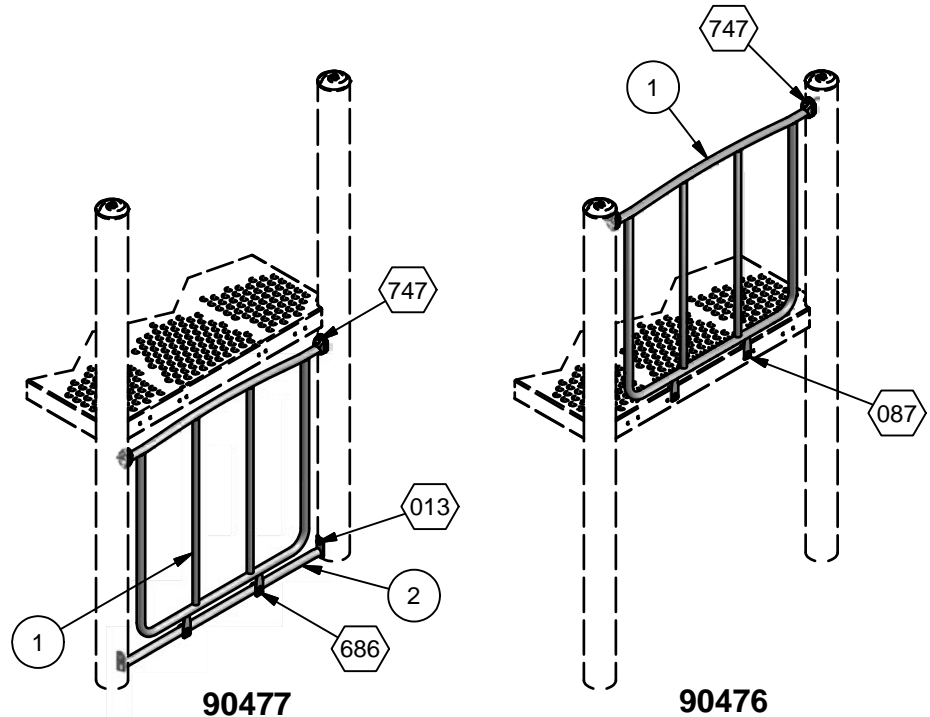
90476  
0'-6" THRU 2'-6"

90477  
4'-0" THRU 5'-0"



90476  
0'-6" THRU 4'-0"

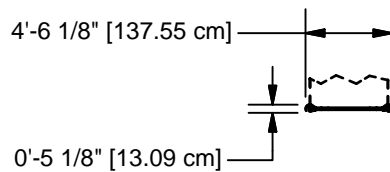
90477  
4'-0" THRU 8'-0"



### 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	90476	90477	PART NUMBER
1	GUARDRAIL RUNG ENCLOSURE	1	1	204408
2	MOUNTING PIPE	0	1	203900
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	0	204411
	<b>HARDWARE COMPLETE</b>	0	1	204412
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	0	812052*
	3/8" X 1 1/4" P.B.H.C.S. w/PATCH	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	6	817334*
	3/8" T-NUT	2	2	804556*
	ALUM. PIN	2	2	203568*

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

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

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

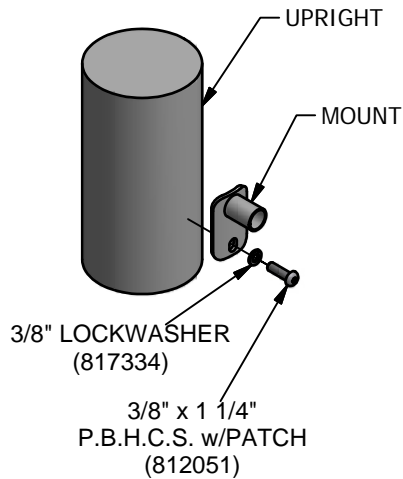
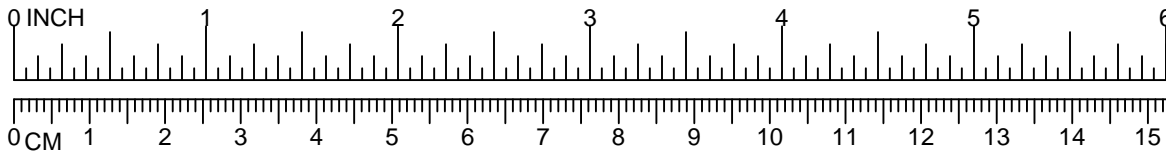
# DETAILS -for- 90476 & 90477

## IMPORTANT

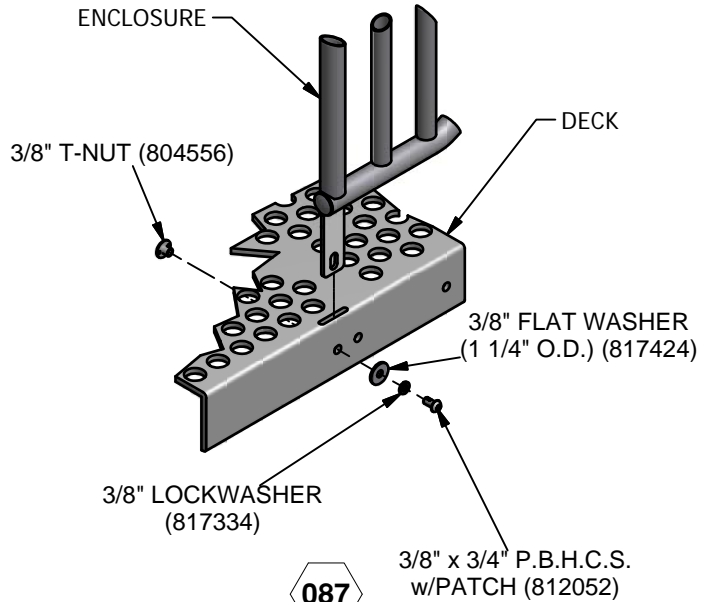
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

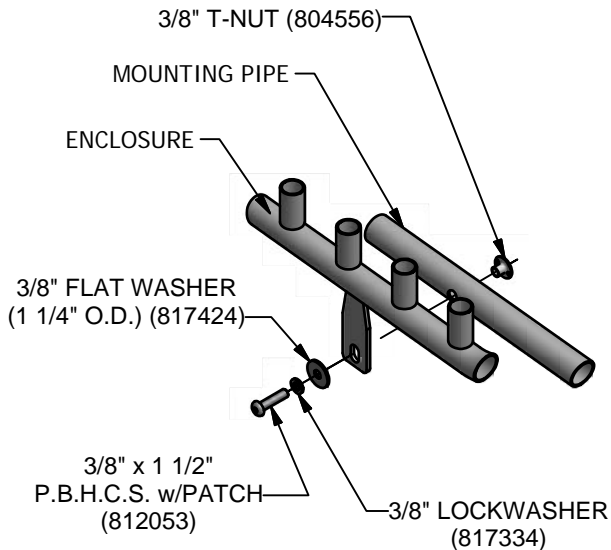
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



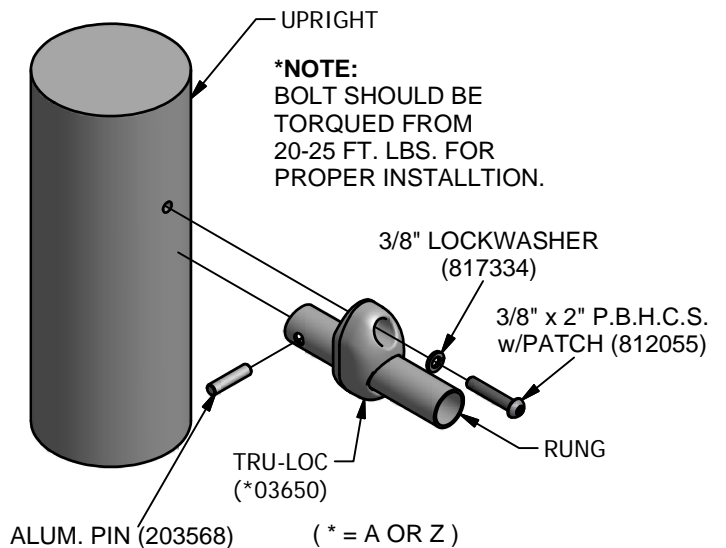
013



087





686



747

# CUSTOM HDPE PANEL

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

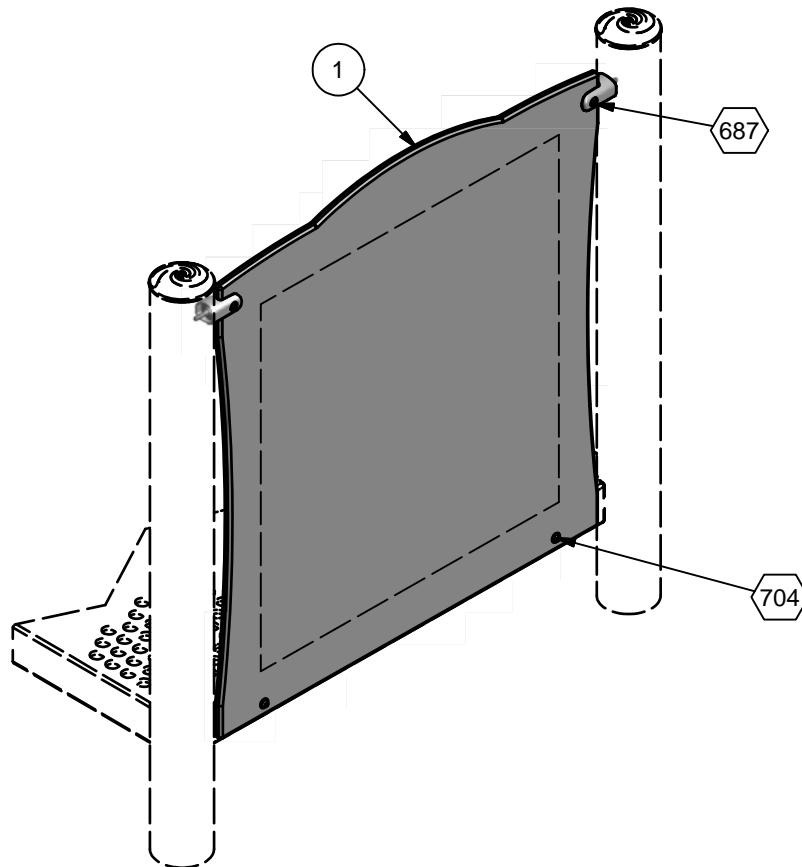
CUSTOM HDPE PANEL (ONE SIDED) 90488  
 CUSTOM HDPE PANEL (TWO SIDED) 90490



UP TO 5'-0"  
DECK HEIGHTS



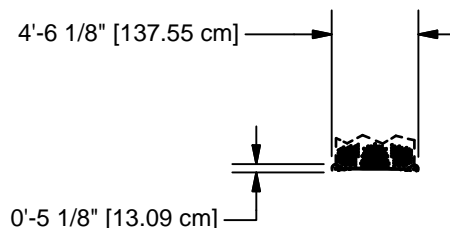
ALL  
DECK HEIGHTS



### ASSEMBLY DRAWING

### **INSTALLATION INSTRUCTIONS**

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble 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	90488	90490	PART NUMBER
1	CUSTOM HDPE PANEL (ONE SIDED)	1	0	**
1	CUSTOM HDPE PANEL (TWO SIDED)	0	1	**
	TRU-LOC PANEL ATTACHMENT	2	2	K03861
	<b>HARDWARE COMPLETE</b>	1	1	204370
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	812050
	3/8" x 1 3/4" HEX HEAD BOLT	2	2	801006
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	812054
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424
	3/8" FLAT WASHER	2	2	817410
	3/8" LOCKWASHER	6	2	817334
	3/8" HEX NUT	2	2	804053
	3/8" T-NUT	2	6	804556

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

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

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

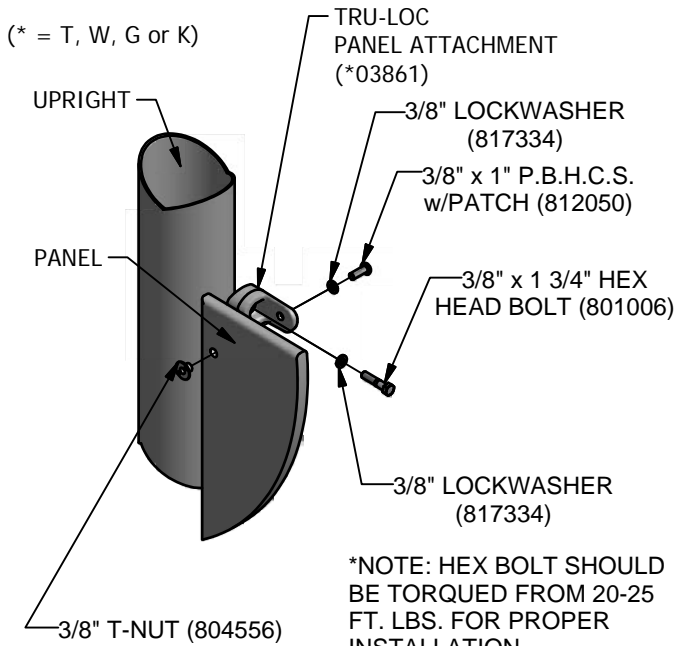
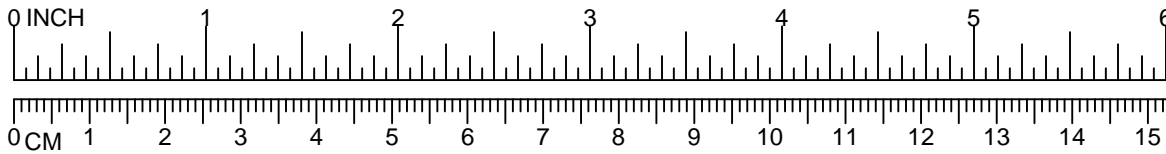
# DETAILS -for- 90488 & 90490

## IMPORTANT

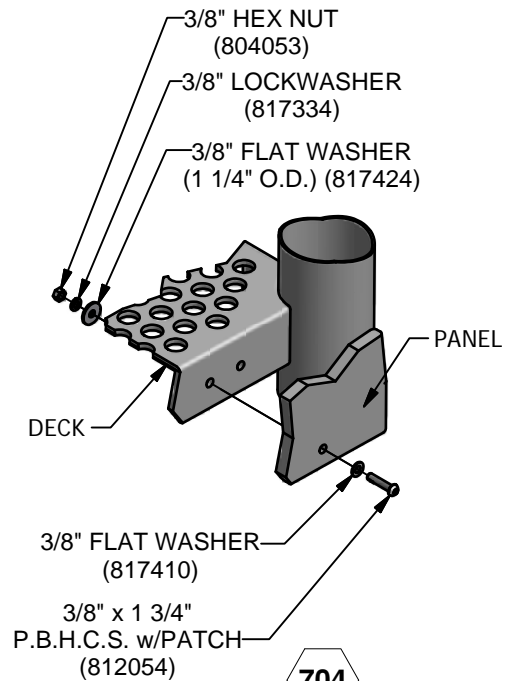
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.





**687**



**704**

# DOUBLE ZIP SLIDE

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

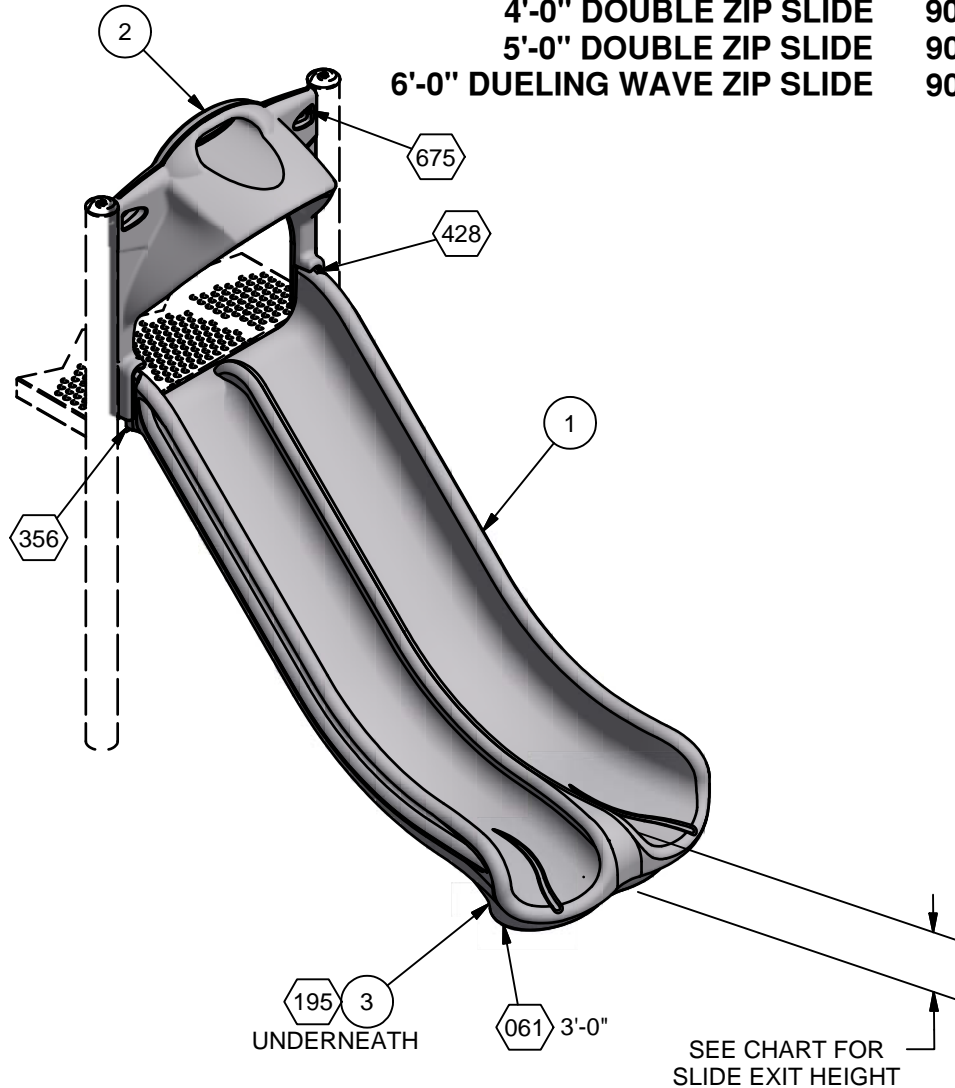
- 2'-6"/3'-0" RUMBLE & ROLL ZIP SLIDE 90507
- 4'-0" DOUBLE ZIP SLIDE 90508
- 5'-0" DOUBLE ZIP SLIDE 90509
- 6'-0" DUELING WAVE ZIP SLIDE 90510



90507  
90508  
90509



90510



### INSTALLATION INSTRUCTIONS

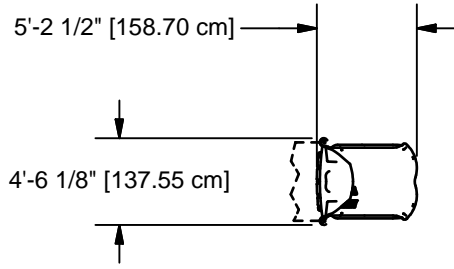
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. If the white plug underneath slide is not drilled, drill a 3/16" diameter hole in center after installation.

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

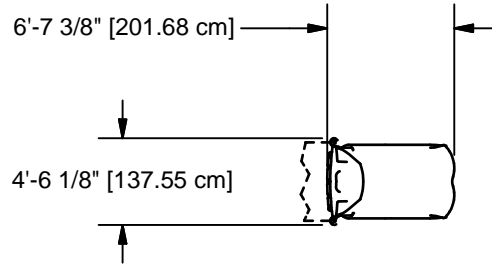
PART NO.	SLIDE EXIT HEIGHT
90507 (2'-6")	0'-4 3/4" [12 cm]
90507 (3'-0")	0'-10 3/4" [27 cm]
90508 (4'-0")	0'-7" [18 cm]
90509 (5'-0")	0'-8 3/4" [22 cm]
90510 (6'-0")	0'-11" [28 cm]

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

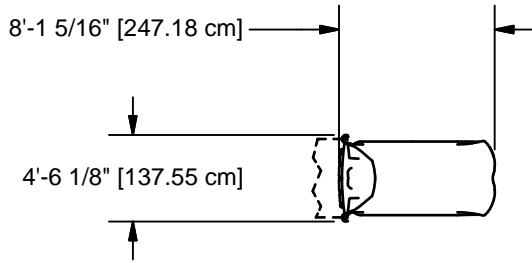




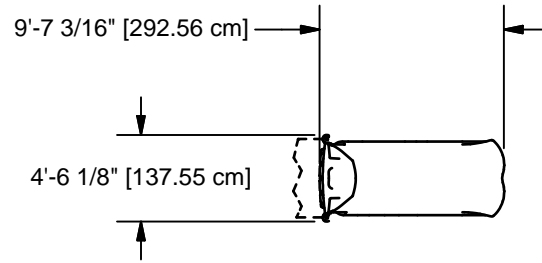
**90507**



**90508**

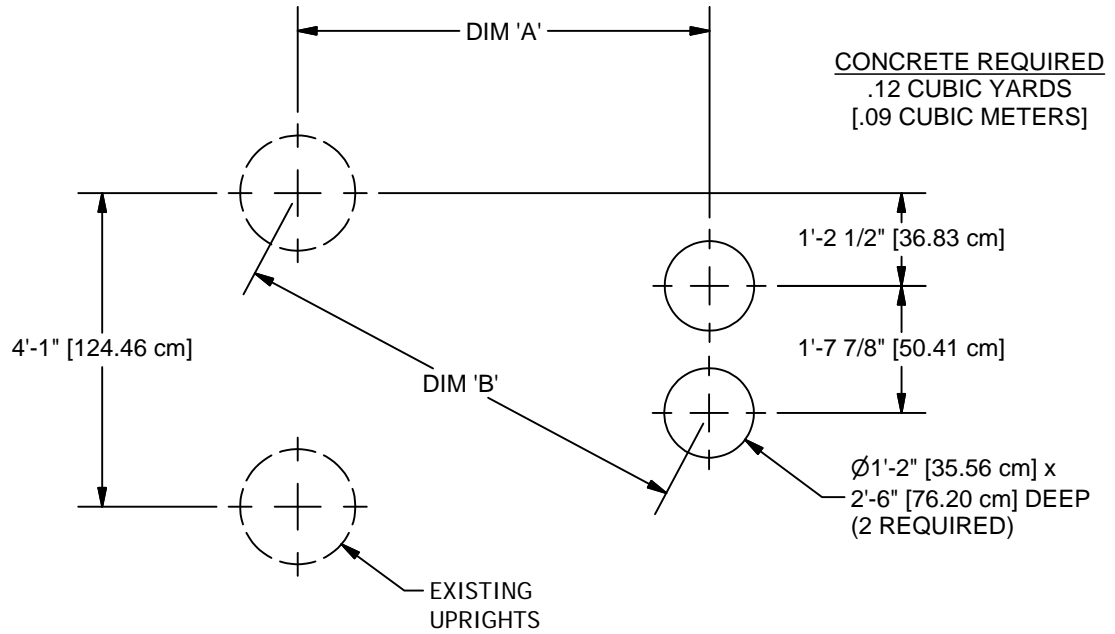


**90509**



**90510**

**TOP VIEWS**



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

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

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

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

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

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

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

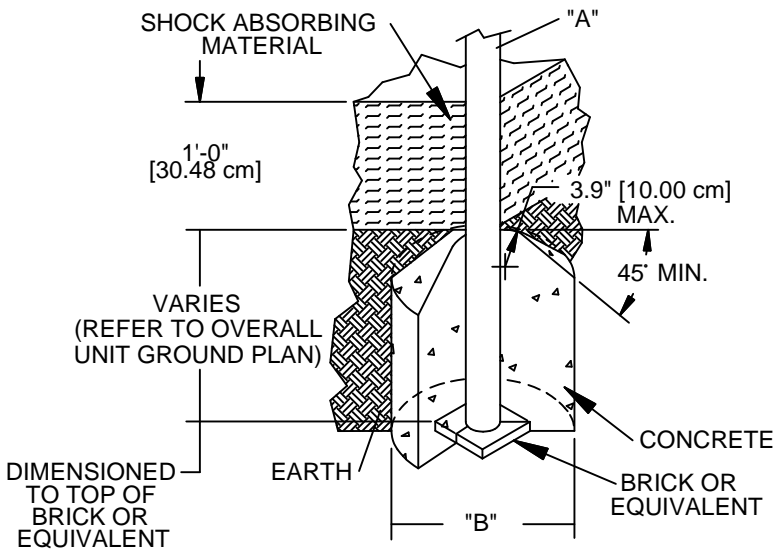
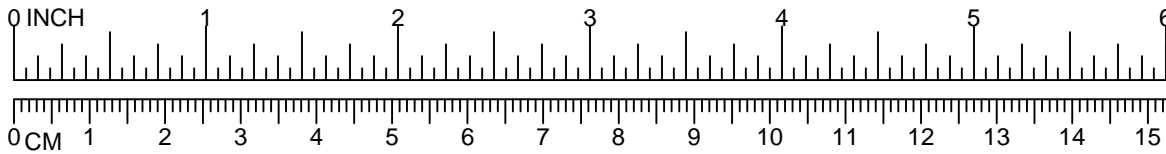
# DETAILS -for- 90507, 90508, 90509 & 90510

## IMPORTANT

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

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

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



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

### NOTES:

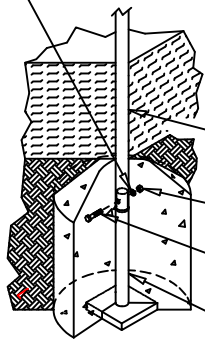
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI



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

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

3/8" LOCKWASHER  
(817334)

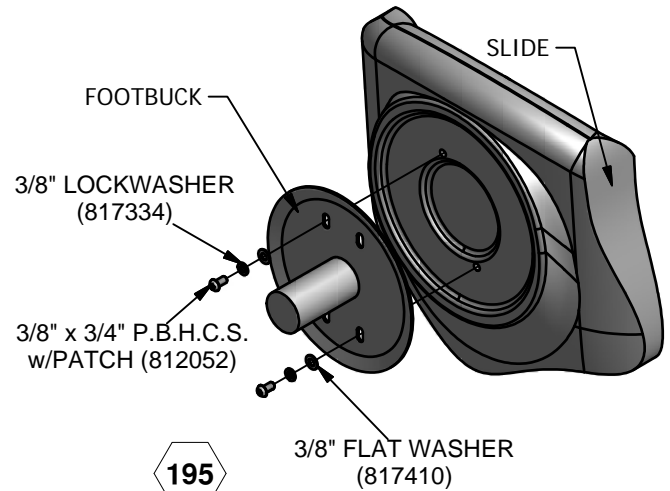


LEG, SEE CHART  
FOR SIZE

3/8" HEX NUT  
(804053)

SEE CHART  
FOR SIZE

EXTENSION



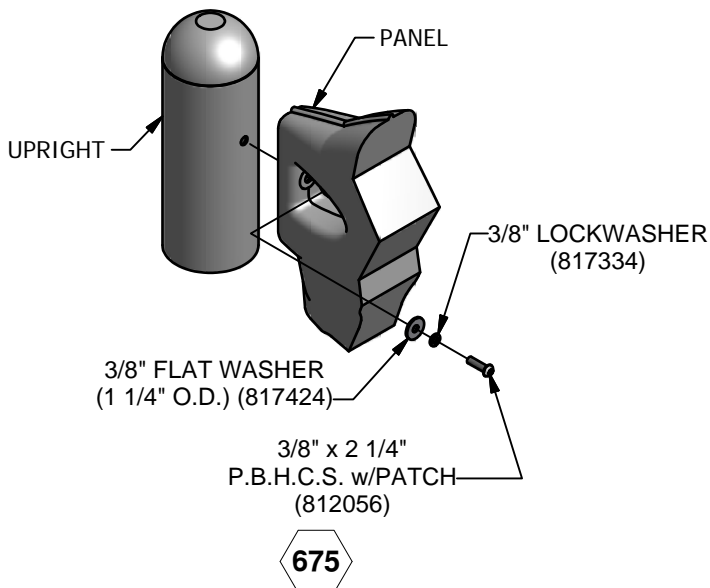
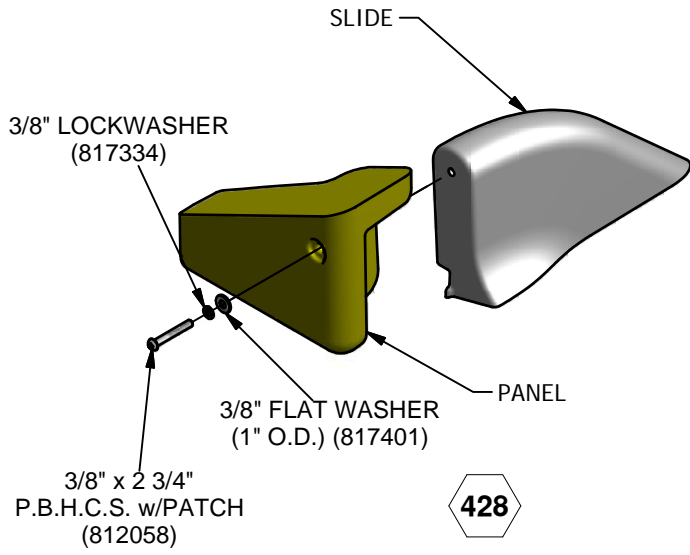
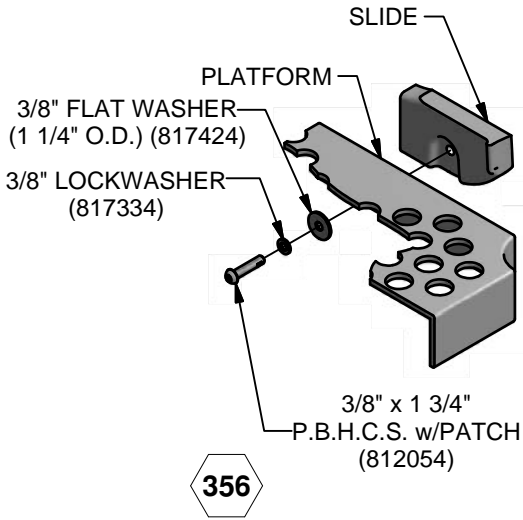
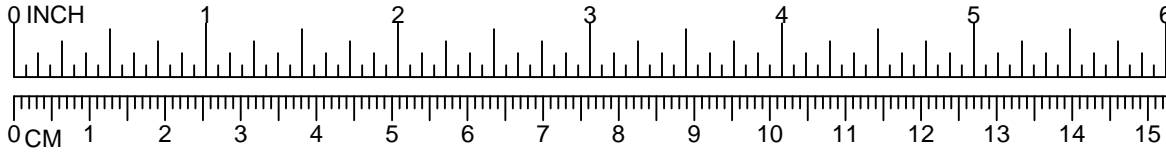
## DETAILS -for- 90507, 90508, 90509 & 90510



**IMPORTANT**

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

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

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



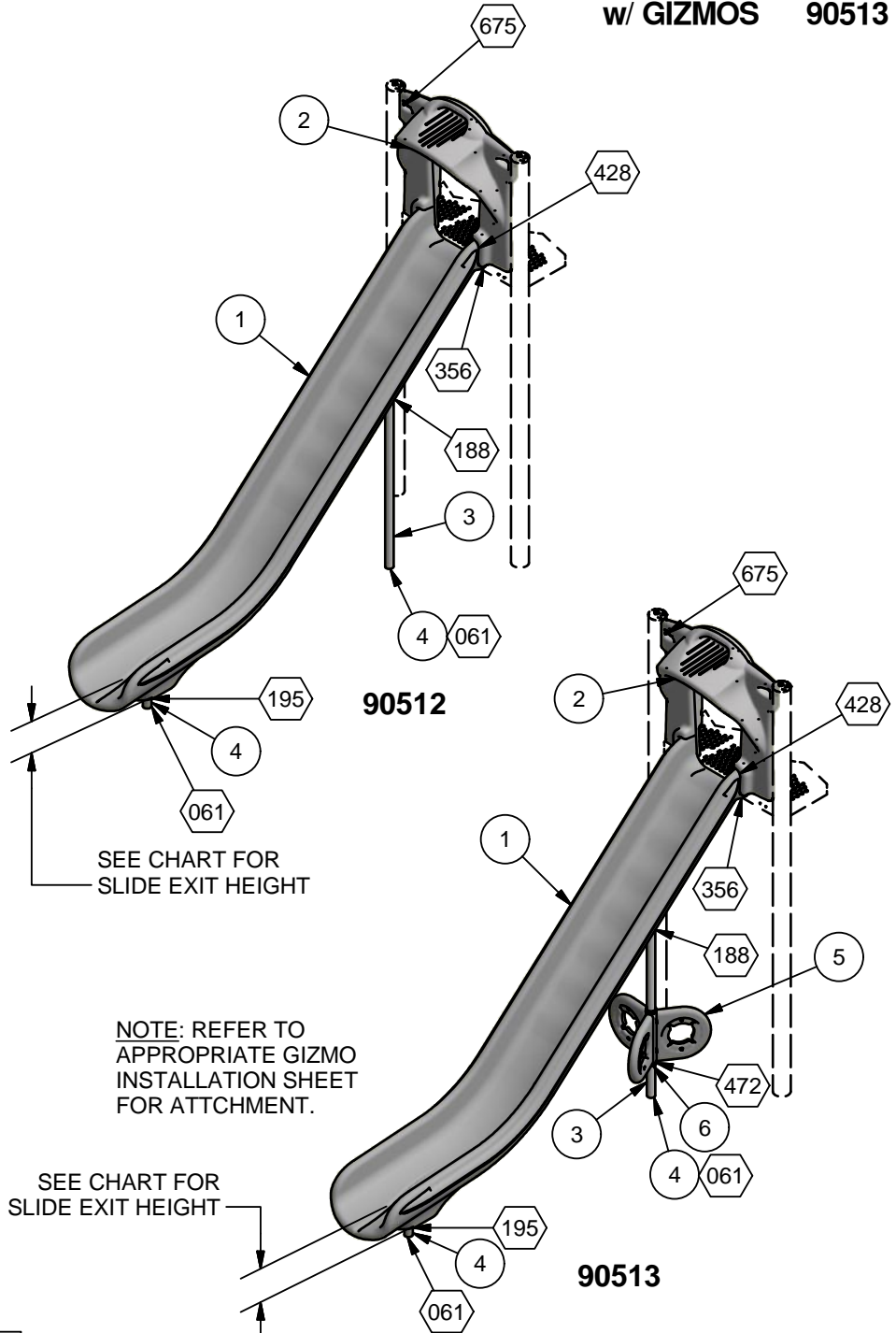
-  INSTALLATION  
= DETAIL
-  PARTS LIST  
= REFERENCE

8' 90512  
w/ GIZMOS 90513



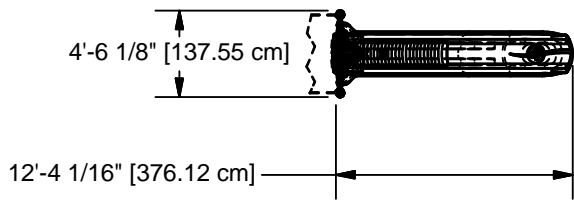
### INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. If the white plug underneath slide is not drilled, drill a 3/16" diameter hole in center after installation.

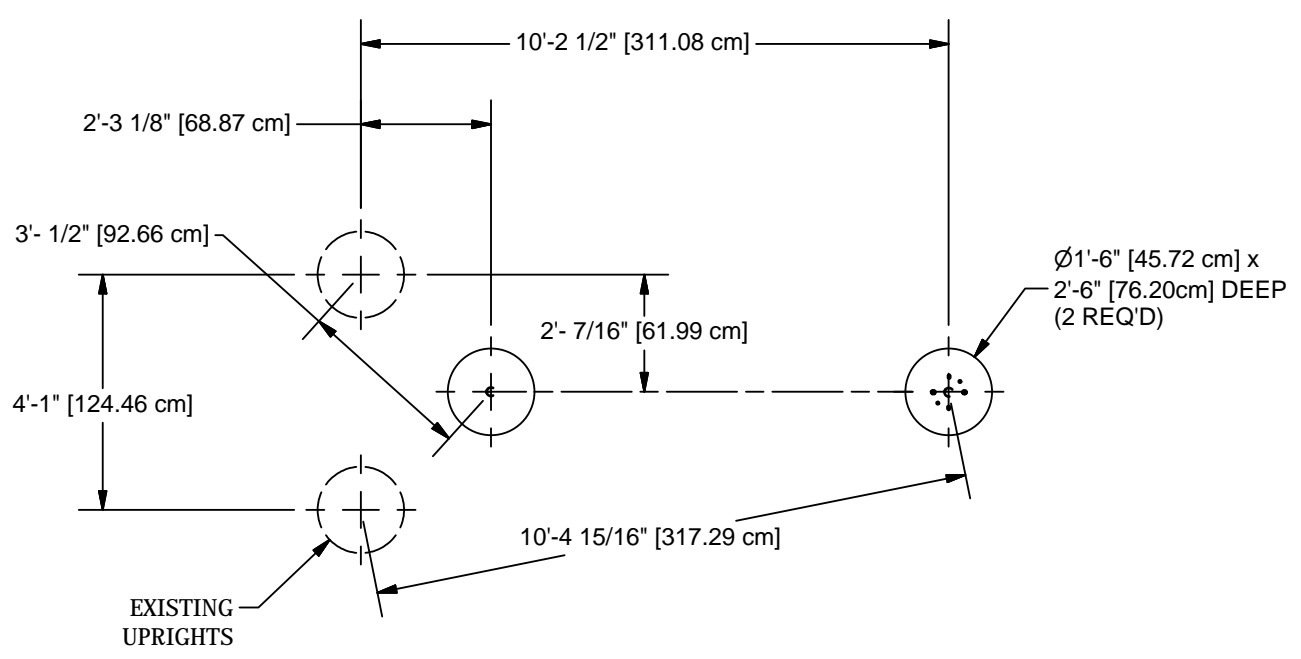


DECK HEIGHT	SLIDE EXIT HEIGHT
7'-6"	0'-8" [20.32cm]
8'-0"	1'-2" [35.56cm]

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



**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**  
 .12 CUBIC YARDS  
 [.09 CUBIC METERS]

**GROUND PLAN**

Parts List				
REF.	DESCRIPTION	90512	90513	PART NUMBER
1	8' SINGLE ZIP SLIDE	1	1	176689
2	SINGLE ZIP SLIDE HOOD	1	1	203858
3	SUPPORT PIPE WELD ASS'Y	1	1	177159
4	FOOTBUCK	1	1	176385
5	SINGLE GIZMO PANEL	0	3	169416
6	FRAME WELD ASS'Y	0	1	177156
	COLLAR	0	2	126934
	<b>HARDWARE COMPLETE</b>	1	0	204473
	<b>HARDWARE COMPLETE</b>	0	1	204474
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" x 1" P.B.H.C.S. w/PATCH	2	2	812050*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	812054*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	812058*
	3/8" HEX NUT	2	2	804053*
	3/8" LOCK WASHER	14	14	817334*
	3/8" FLAT WASHER (1" O.D.)	2	2	817401*
	3/8" FLAT WASHER	6	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" x 3 1/2" HEX HEAD BOLT	2	2	801013*
	3/8" x 1 3/4" HEX HEAD BOLT	0	6	801006*
	3/8" T-NUT	0	6	804556*
	6" EXTENSION	2	2	151080*
	NYLON BUSHING	0	2	140651*
	3/8" x 3/8" SET SCREW	0	4	811549*

*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.**

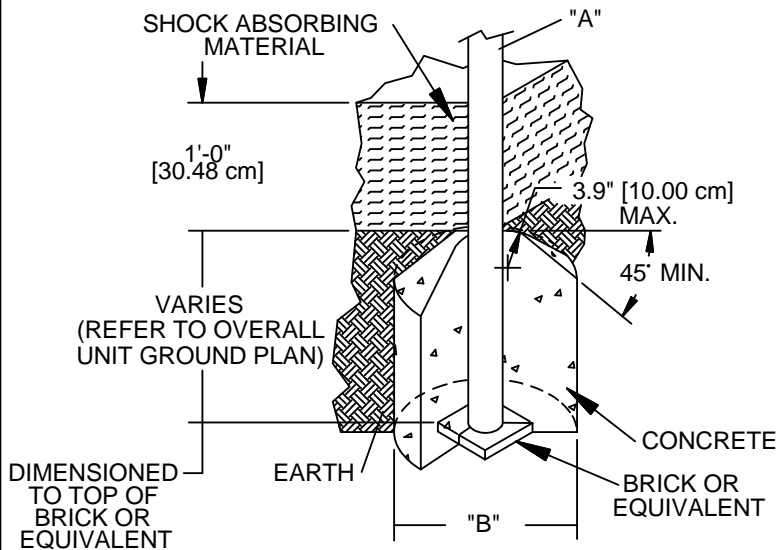
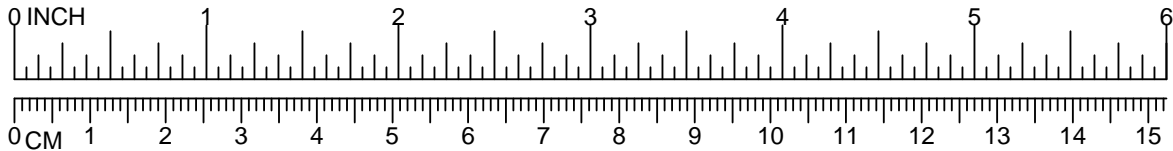
# DETAILS -for- 90512 AND 90513

**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.



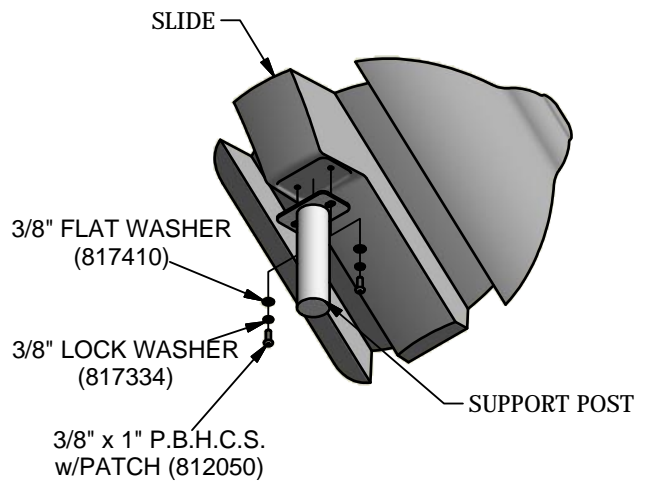
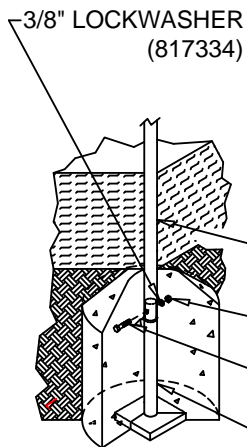
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
<b>TRACK RIDE &amp;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





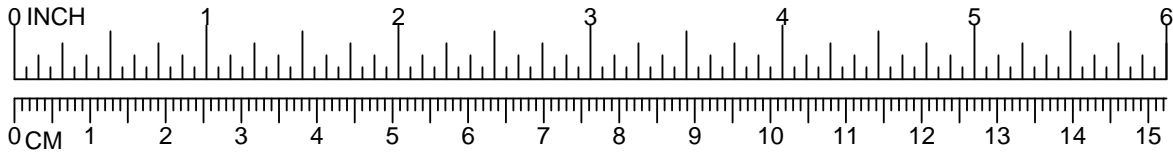
# DETAILS -for- 90512 AND 90513

**IMPORTANT**

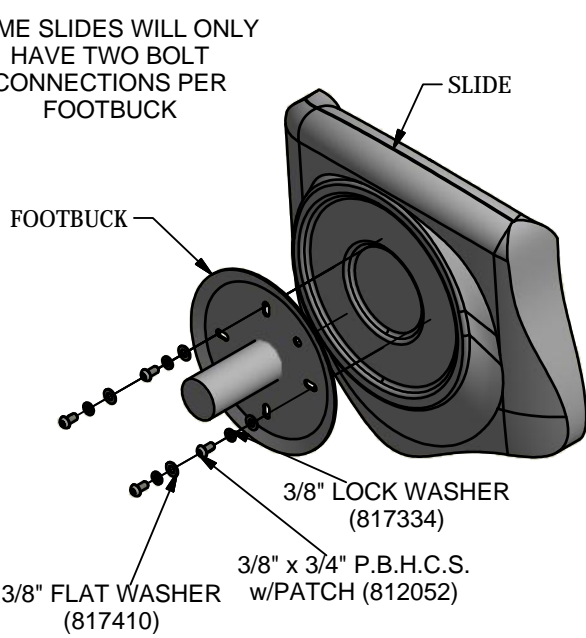
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

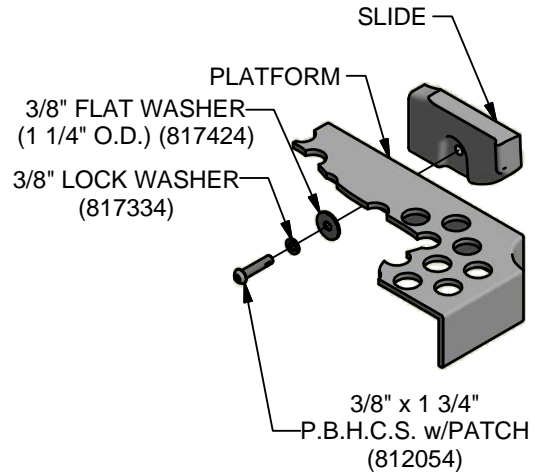
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



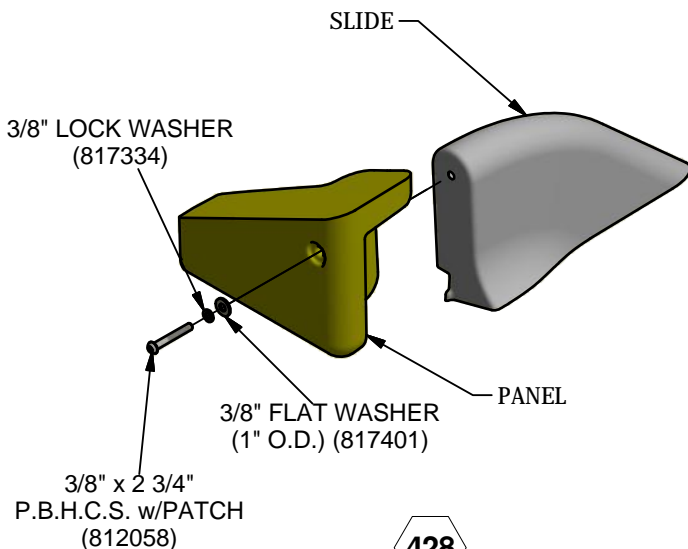
SOME SLIDES WILL ONLY HAVE TWO BOLT CONNECTIONS PER FOOTBUCK



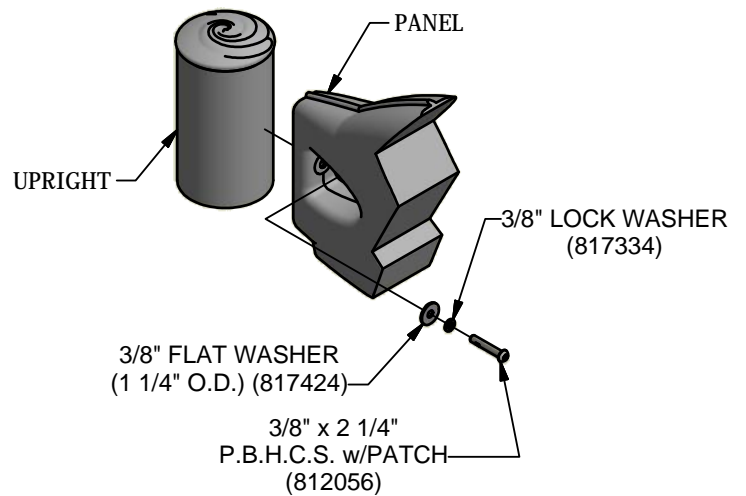
195



356



428



675

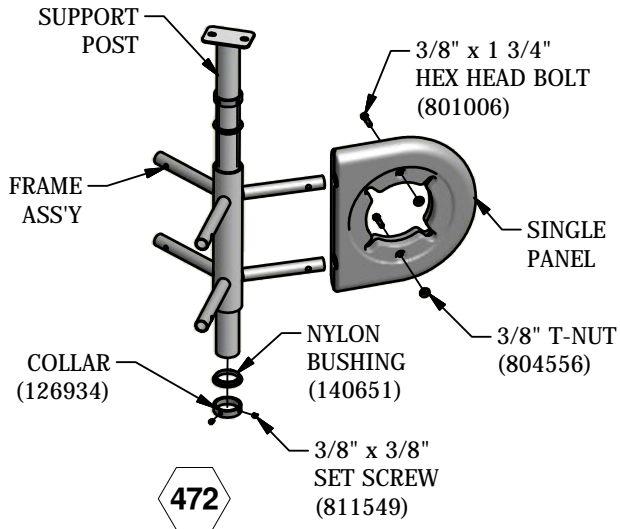
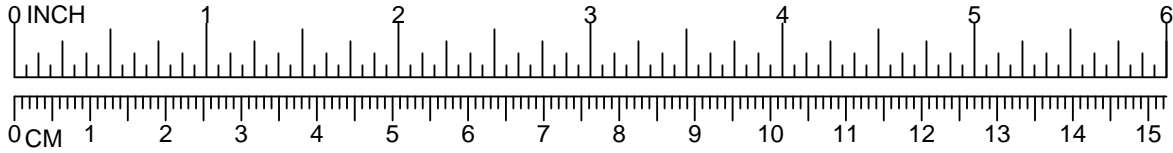
# DETAILS -for- 90512 AND 90513

## 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: 11/12/12

# 90514 WIDE RUNG ENCLOSURE

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE

**BARRIER** 90514  
**GUARDRAIL** 90515



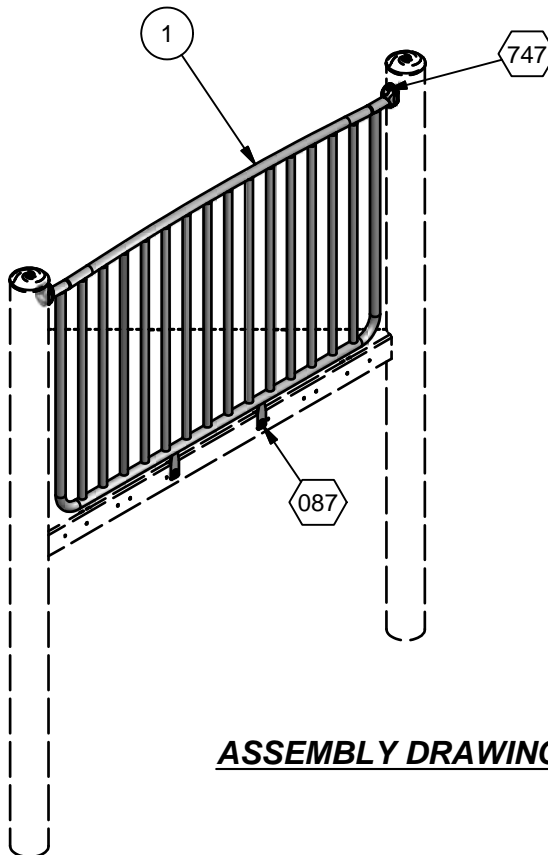
90514  
0'-6" THRU 5'-0"

90515  
0'-6" THRU 2'-6"



90514  
0'-6" THRU 8'-0"

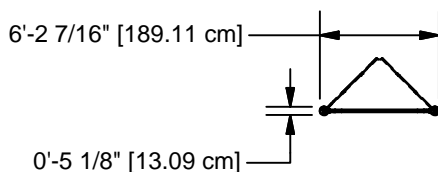
90515  
0'-6" THRU 4'-0"



**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 show in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.



**TOP VIEW**

Parts List				
REF.	DESCRIPTION	90514	90515	PART NUMBER
1	WIDE RUNG ENCLOSURE	1	0	204435
1	WIDE RUNG ENCLOSURE	0	1	204445
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	1	204451
	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" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	4	817334*
	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.**

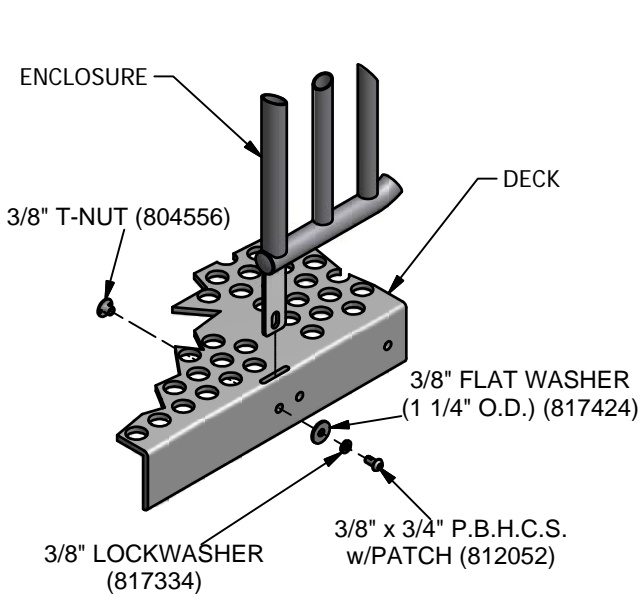
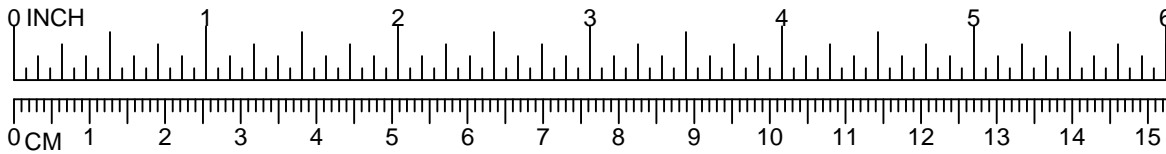
# DETAILS -for- 90514 & 90515

**IMPORTANT**

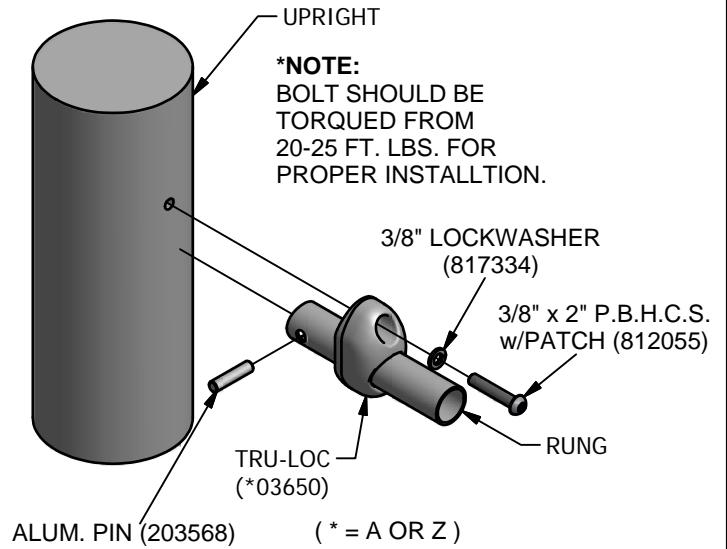
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



087



747

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 11/12/12

# 90520 WIDE RUNG ENCLOSURE (GUARDRAIL)

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

- w/DOUBLE MOLDED STEERING WHEEL (ABOVE DECK) 90520
- w/DOUBLE MOLDED STEERING WHEEL (BELOW DECK) 90521
- w/DOUBLE SOLID STEERING WHEEL (ABOVE DECK) 90522
- w/DOUBLE SOLID STEERING WHEEL (BELOW DECK) 90523



90520/90522  
0'-6" THRU 2'-6"

90521/90523  
4'-0" THRU 5'-0"

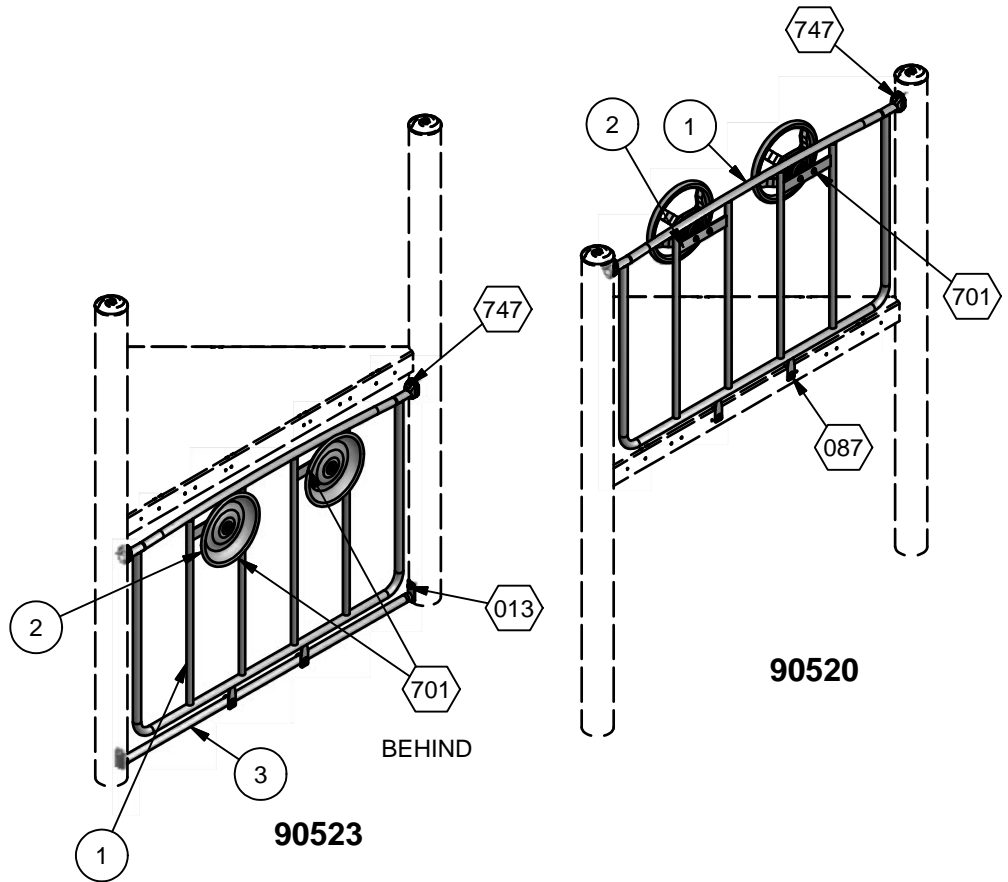


90520/90522  
0'-6" THRU 4'-0"

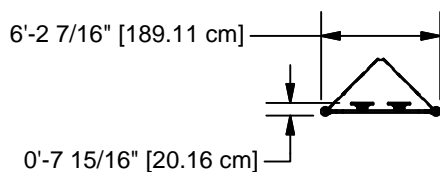
90521/90523  
4'-0" THRU 8'-0"

### 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 DRAWINGS



**TOP VIEW**

Parts List						
REF.	DESCRIPTION	90520	90521	90522	90523	PART NUMBER
1	WIDE RUNG ENCLOSURE	1	1	1	1	204460
2	STEERING WHEEL ASSEMBLY	2	2	0	0	163235
2	STEERING WHEEL ASSEMBLY	0	0	2	2	141129
3	MOUNTING PIPE	0	1	0	1	204455
	TRU-LOC	2	2	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	0	1	0	204461
	<b>HARDWARE COMPLETE</b>	0	1	0	1	204462
	3/8" x 3/4" P.B.H.C.S. w/PATCH	6	4	6	4	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	4	4	4	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	817424*
	3/8" LOCKWASHER	8	10	8	10	817334*
	3/8" ACORN NUT	4	4	4	4	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*

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

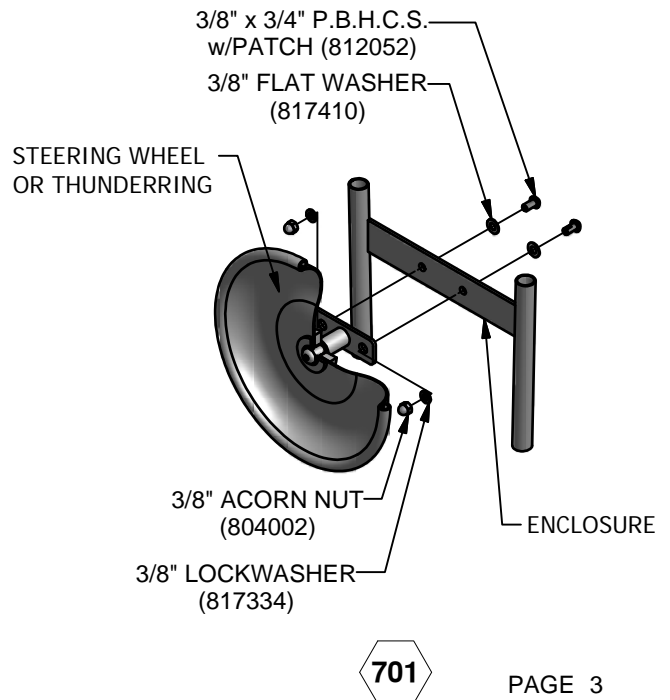
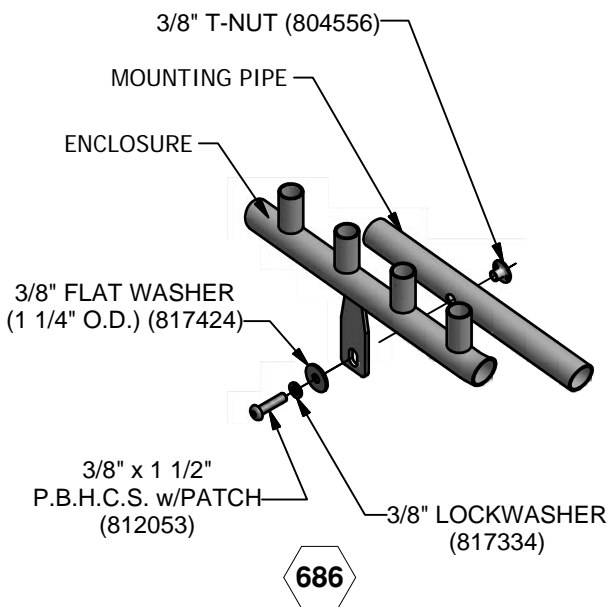
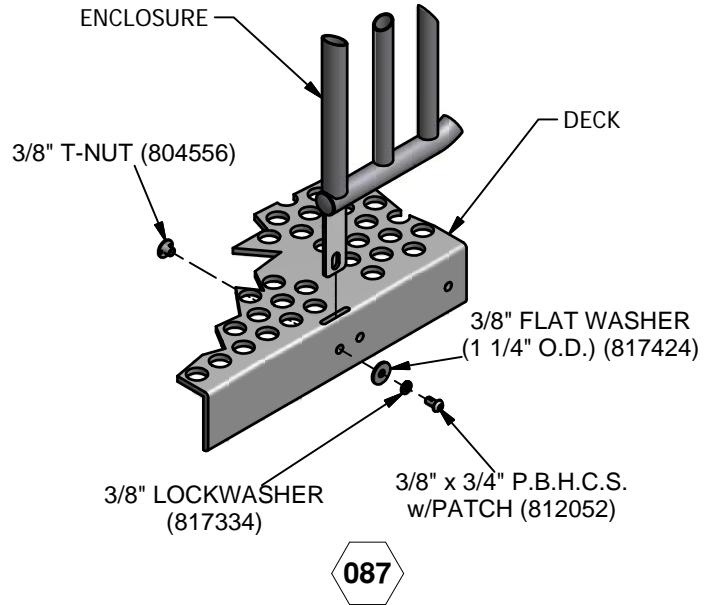
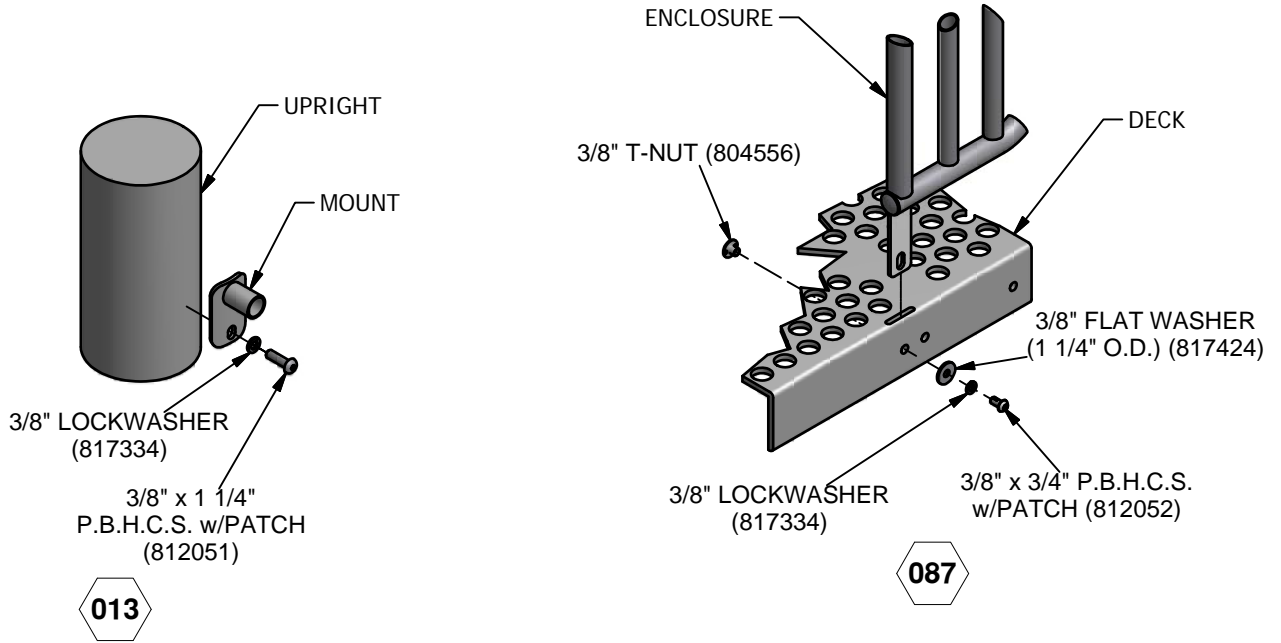
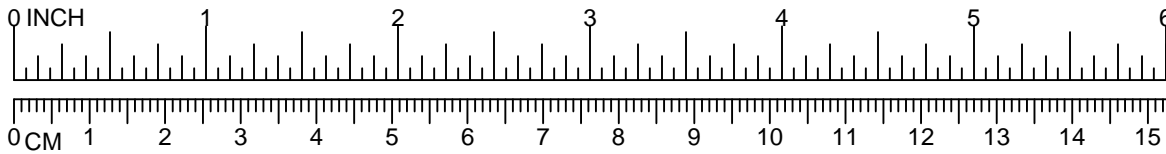
# DETAILS -for- 90520, 90521, 90522, & 90523

**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.





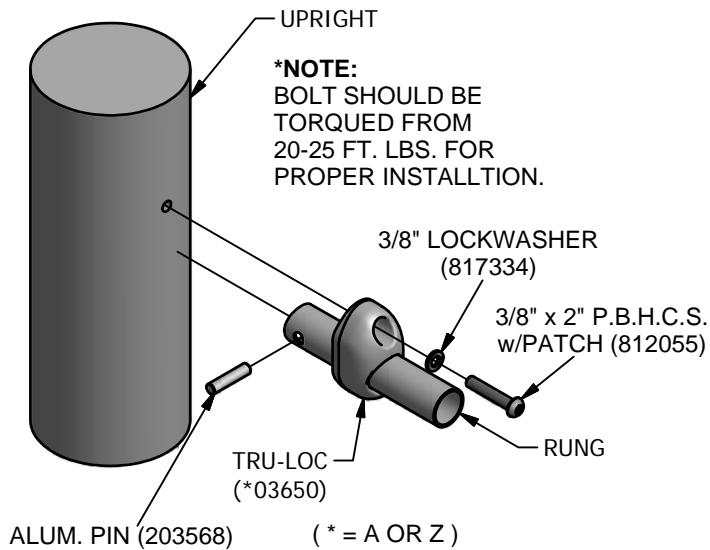
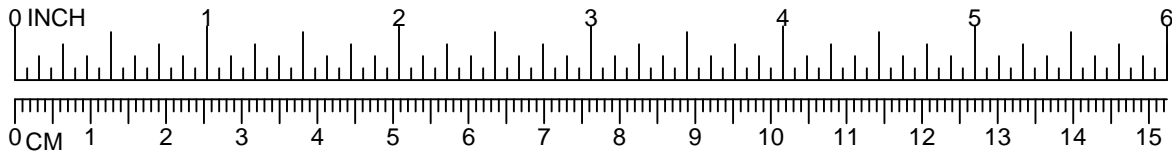
# DETAILS -for- 90520, 90521, 90522, & 90523

## 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

### 'S' CRAWL TUBE

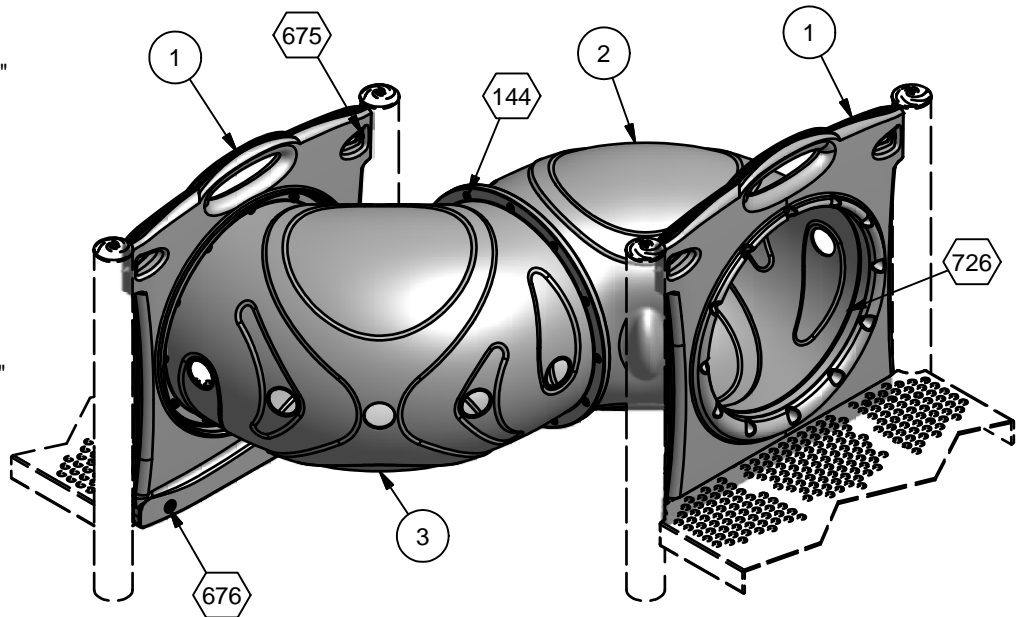
-  = INSTALLATION
-  = PARTS LIST REFERENCE



UP TO 5'-0"



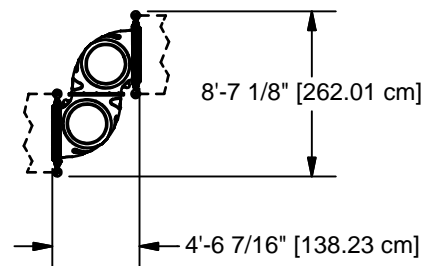
UP TO 6'-0"



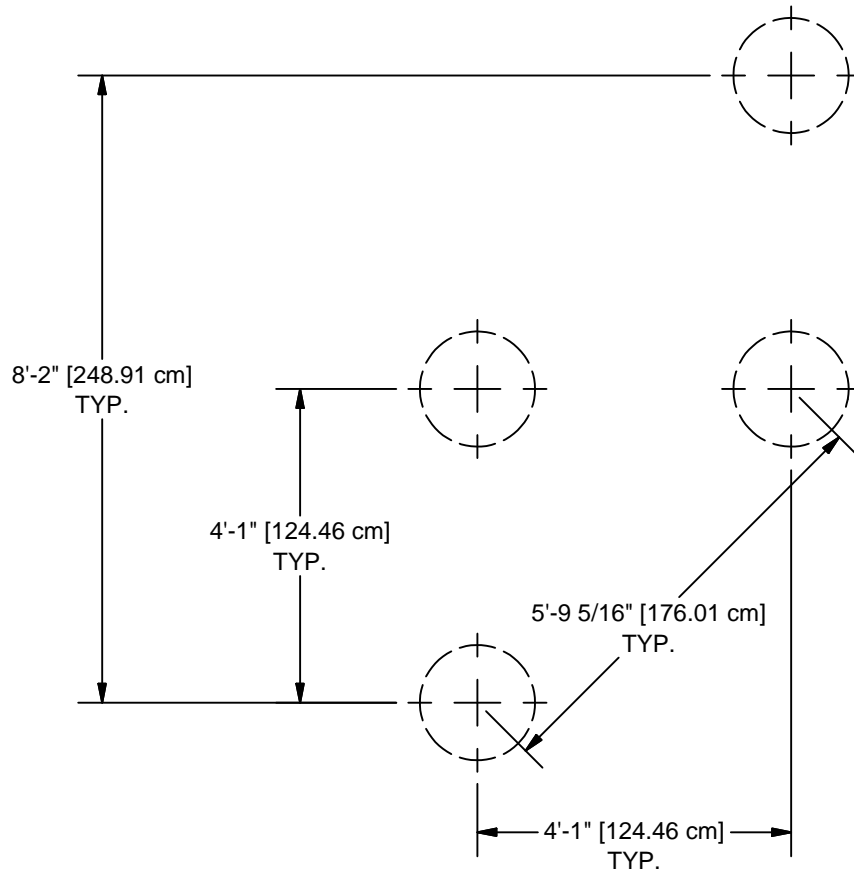
**ASSEMBLY DRAWING**

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



**TOP VIEW**



**GROUND PLAN**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SHORT CRAWL TUBE PANEL	2	204653
2	90° CRAWL TUBE P/S	1	204668
3	90° CRAWL TUBE w/LIP P/S	1	204669
	<b>HARDWARE COMPLETE</b>	1	204837
	5/16" x 3/4" P.B.H.C.S. w/Patch	12	812040*
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	24	812047*
	5/16" FLATWASHER (1 1/8" O.D.)	36	817403*
	5/16" LOCK WASHER	36	817330*
	5/16" T-NUT	24	804555*
	5/16" T-NUT (SHORT)	12	804558*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	8	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
	3/8" LOCKWASHER	8	817334*
	3/8" T-NUT	4	804556*

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

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

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

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

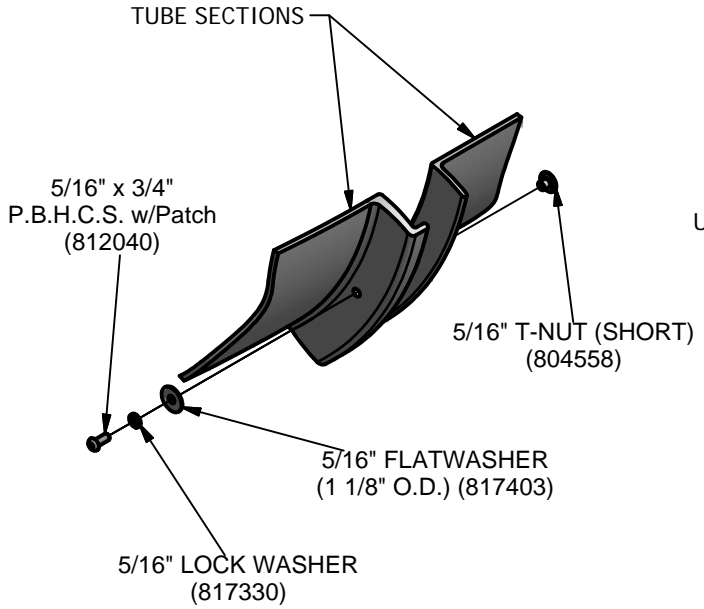
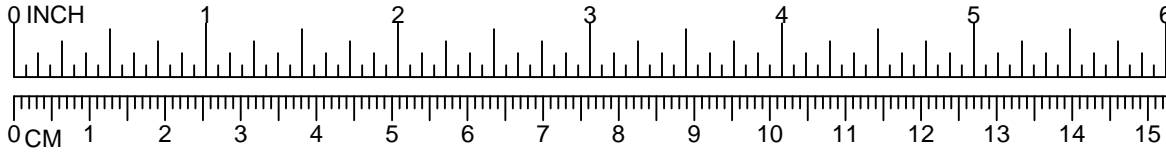
# DETAILS -for- 90595

**IMPORTANT**

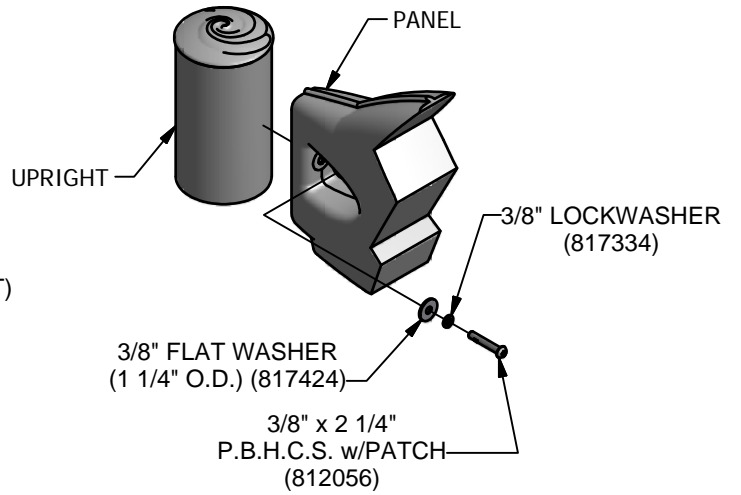
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

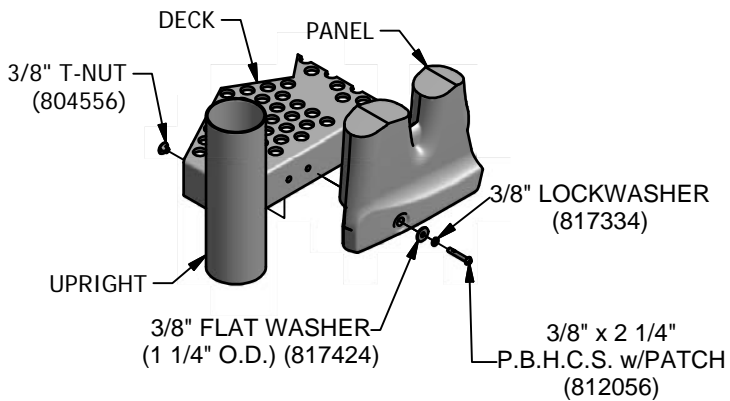
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



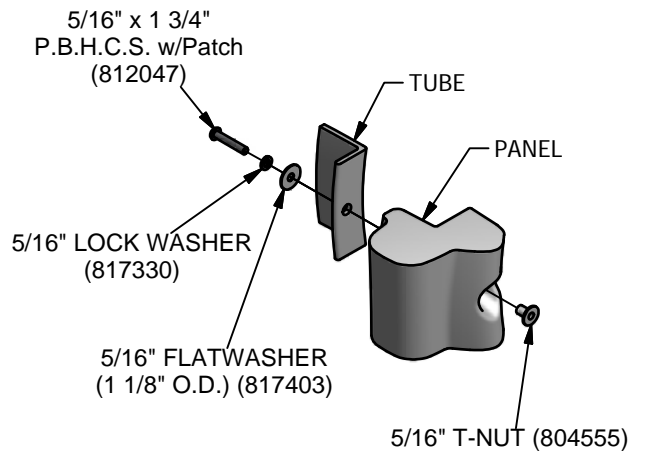
**144**



**675**



**676**



**726**

# TUNNEL UP CRAWL TUBE

⬡ = INSTALLATION  
= DETAIL

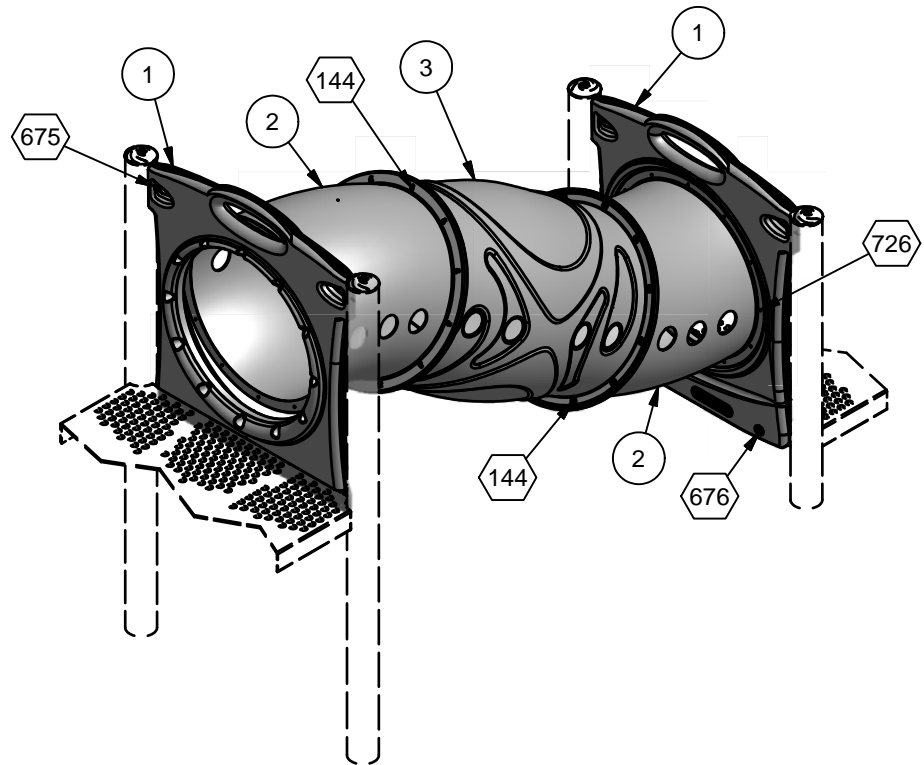
○ = PARTS LIST  
= REFERENCE



UP TO 5'-0"



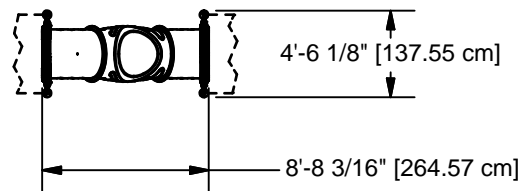
UP TO 6'-0"



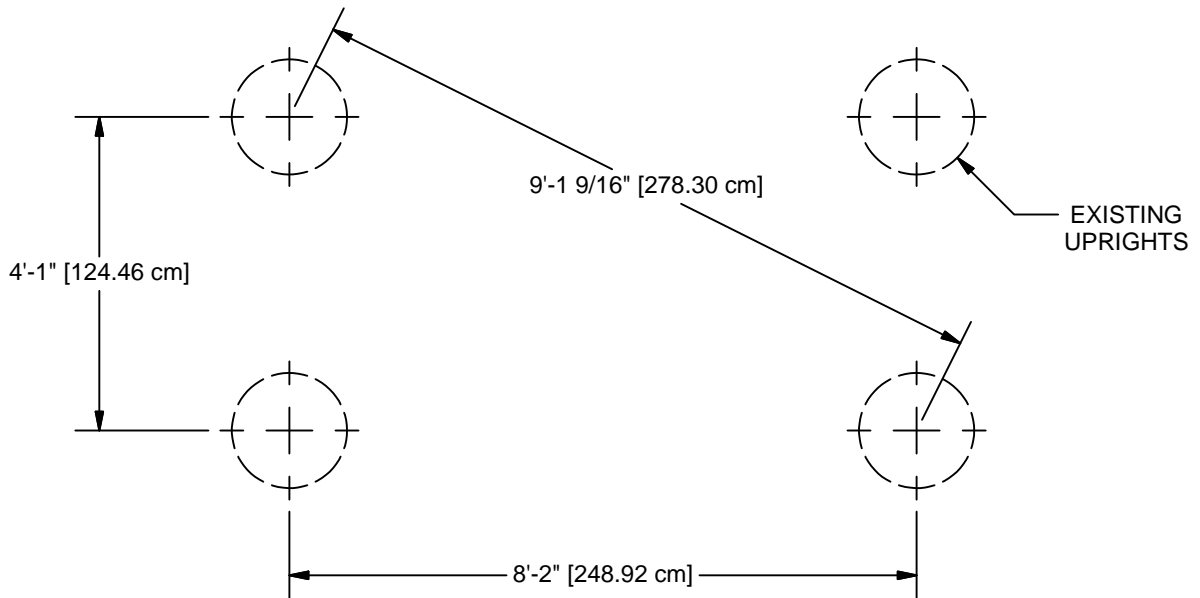
### ASSEMBLY DRAWING

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



### TOP VIEW



**GROUND PLAN**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SHORT CRAWL TUBE PANEL	2	204653
2	ELBOW w/SPY HOLES	2	166799
3	49" CRAWL TUBE P/S	1	204658
	<b>HARDWARE COMPLETE</b>	1	204960
	5/16" x 3/4" P.B.H.C.S. w/Patch	24	812040*
	5/16" x 1 3/4" P.B.H.C.S. w/Patch	24	812047*
	5/16" FLATWASHER (1 1/8" O.D.)	48	817403*
	5/16" LOCK WASHER	48	817330*
	5/16" T-NUT	24	804555*
	5/16" T-NUT (SHORT)	24	804558*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	8	812056*
	3/8" FLAT WASHER (1 1/4" O.D.)	8	817424*
	3/8" LOCKWASHER	8	817334*
	3/8" T-NUT	4	804556*

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

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

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

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

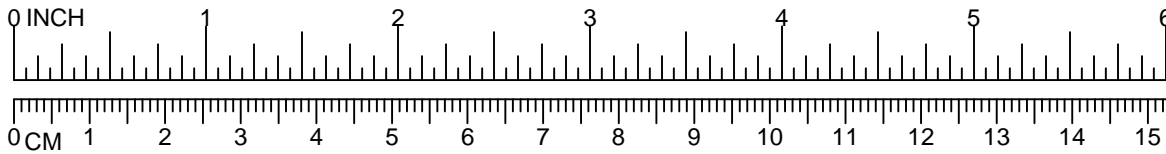
# DETAILS -for- 90637

**IMPORTANT**

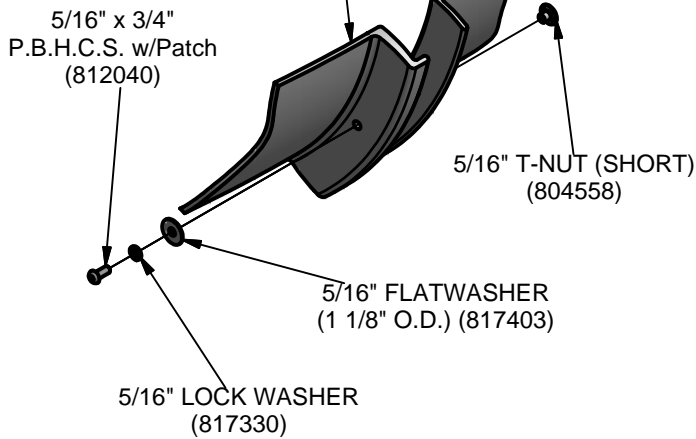
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

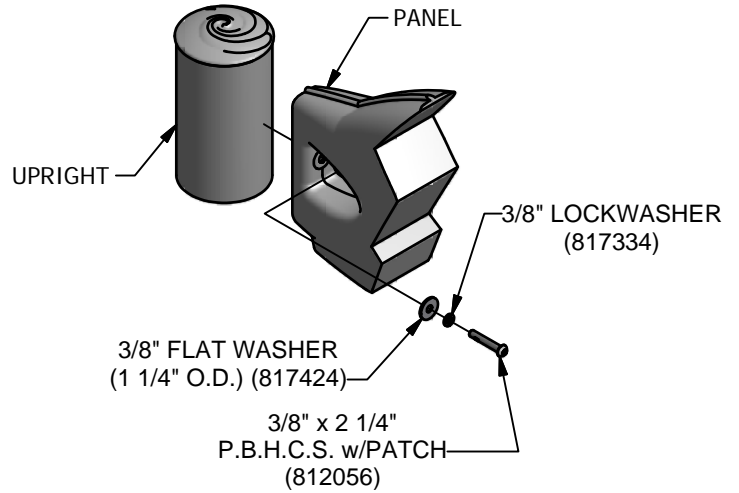
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



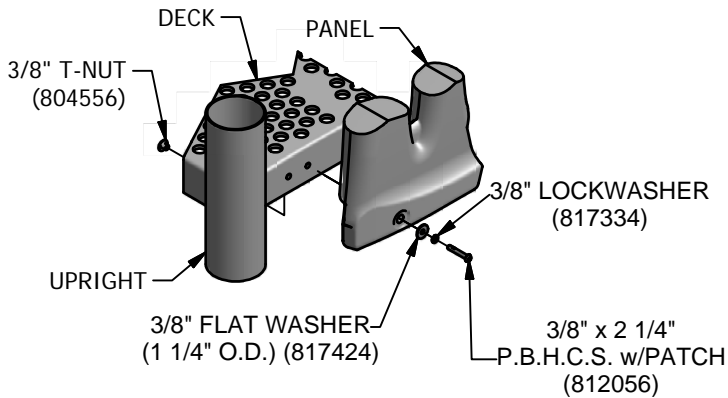
TUBE SECTIONS



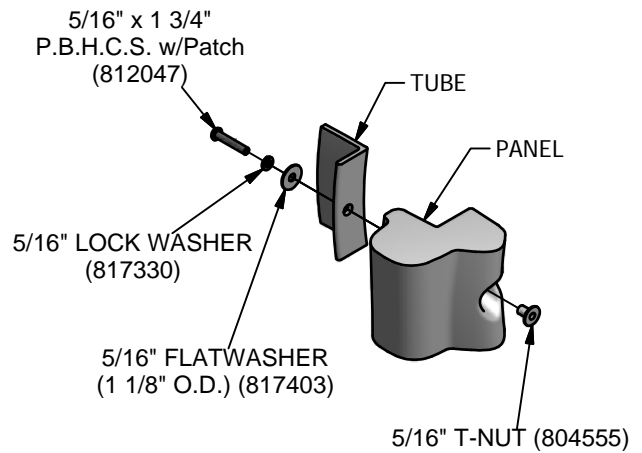
**144**



**675**



**676**



**726**

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 01/27/2014

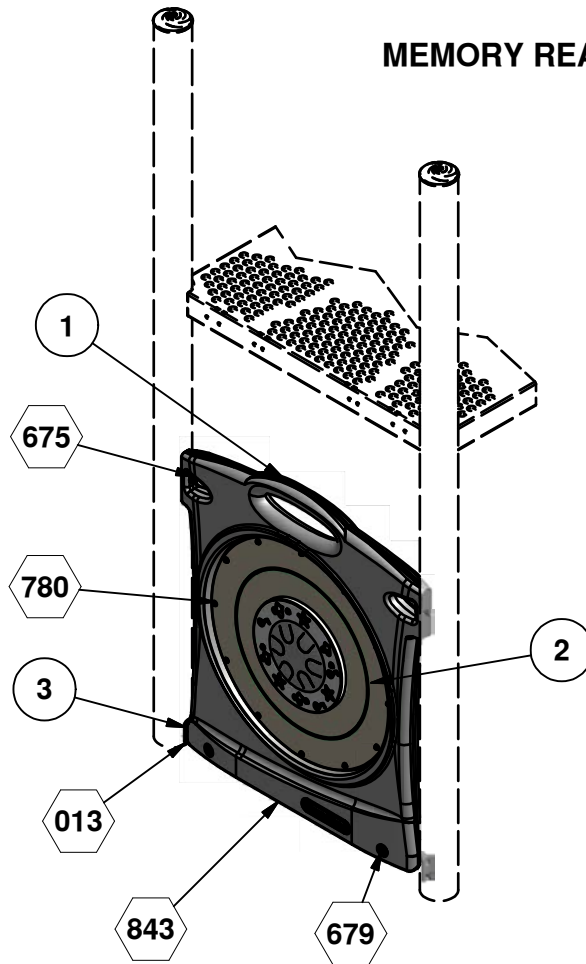
# 90719 STEEL DRUM (BELOW DECK)

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

STEEL DRUM	90719
AIR LOCK COG	90720
FROG SLIDE PUZZLE	90721
3 IN A ROW	90722
TWIST BALL RUN	90723
COLOR WHEEL	90724
MEMORY REACTIONS GAME	90728



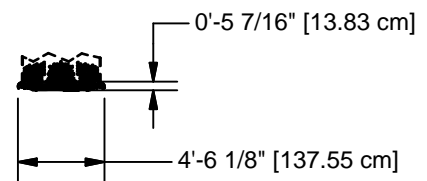
5'-6" TO 8'-0"  
DECK HEIGHTS



**ASSEMBLY DRAWING**

### INSTALLATION INSTRUCTIONS

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



**TOP VIEW**



Parts List									
REF.	DESCRIPTION	90719	90720	90721	90722	90723	90724	90728	PART NUMBER
1	SHORT CRAWL TUBE PANEL	1	1	1	1	1	1	1	204653
2	STEEL DRUM GADGET	1	0	0	0	0	0	0	206743
2	AIR LOCK COG GADGET	0	1	0	0	0	0	0	206740
2	FROG SLIDE PUZZLE GADGET	0	0	1	0	0	0	0	206742
2	3 IN A ROW GADGET	0	0	0	1	0	0	0	206739
2	TWIST BALL RUN GADGET	0	0	0	0	1	0	0	206744
2	COLOR WHEEL GADGET	0	0	0	0	0	1	0	206741
2	MEMORY REACTIONS GAME	0	0	0	0	0	0	1	209060
3	BRACKET SUPPORT ASS'Y	1	1	1	1	1	1	1	203615
	<b>HARDWARE COMPLETE</b>	1	1	1	1	1	1	1	206748
	5/16" x 2" P.B.H.C.S. w/Patch	12	12	12	12	12	12	12	812046*
	5/16" FLAT WASHER (5/8" O.D.)	12	12	12	12	12	12	12	817406*
	5/16" LOCK WASHER	12	12	12	12	12	12	12	817330*
	5/16" T-NUT	12	12	12	12	12	12	12	804555*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812051*
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812056*
	3/8" x 3 1/2" P.B.H.C.S. w/PATCH	2	2	2	2	2	2	2	812075*
	3/8" LOCKWASHER	6	6	6	6	6	6	6	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	4	4	4	4	817424*
	3/8" T-NUT	2	2	2	2	2	2	2	804556*

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

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

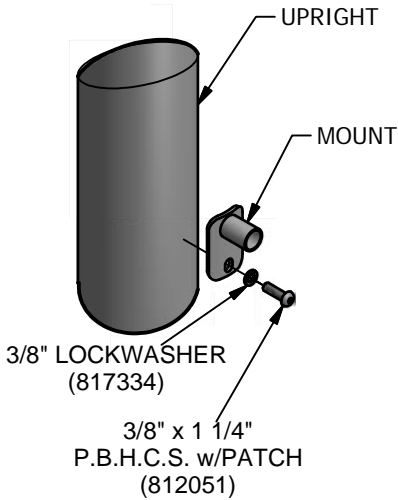
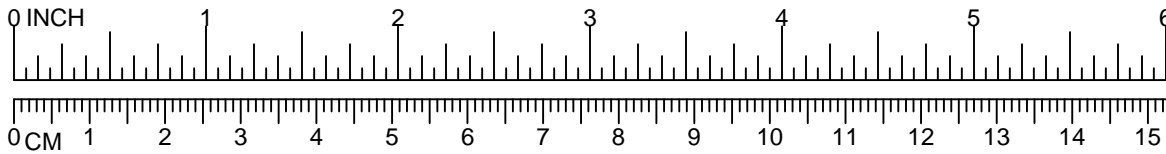
# DETAILS -for- 90719 - 90724 & 90728

## IMPORTANT

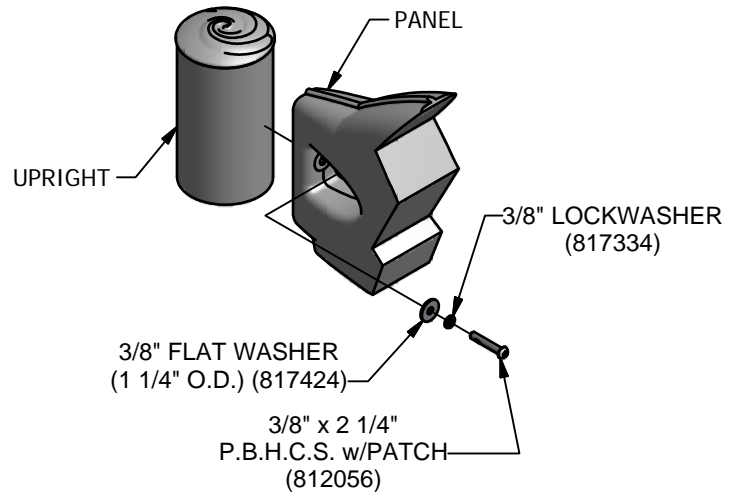
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

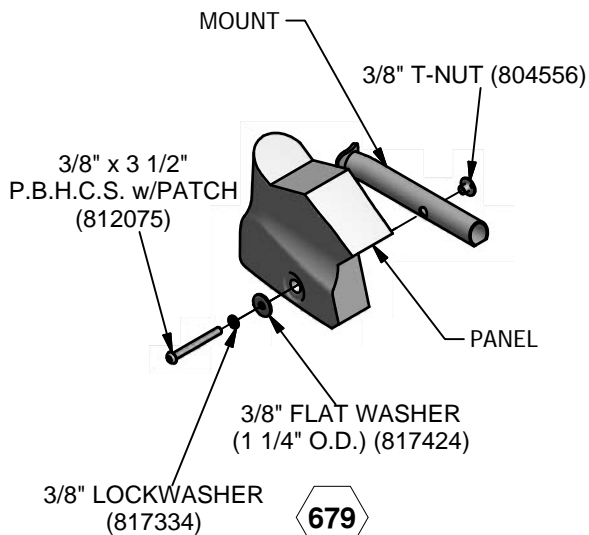
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



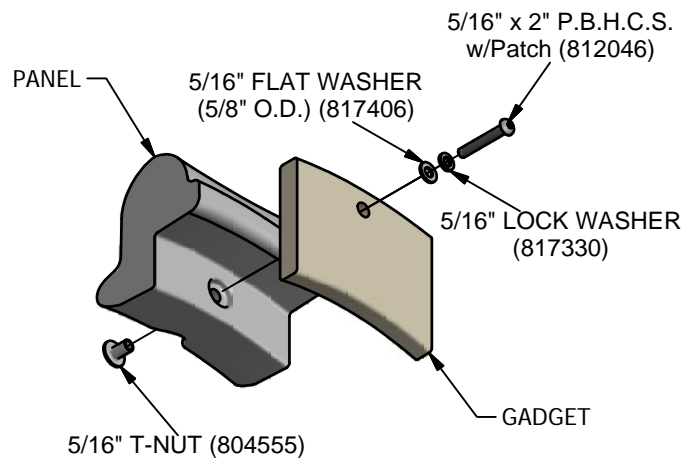
013



675



679



780

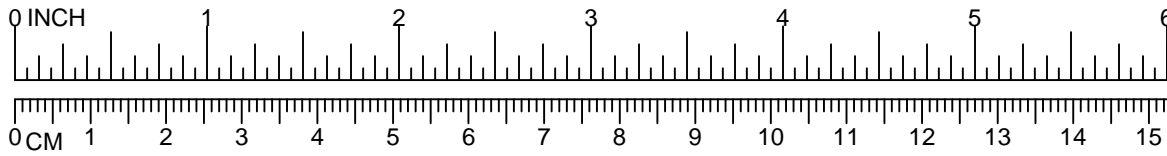
## DETAILS -for- 90719 - 90724 & 90728

### 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.

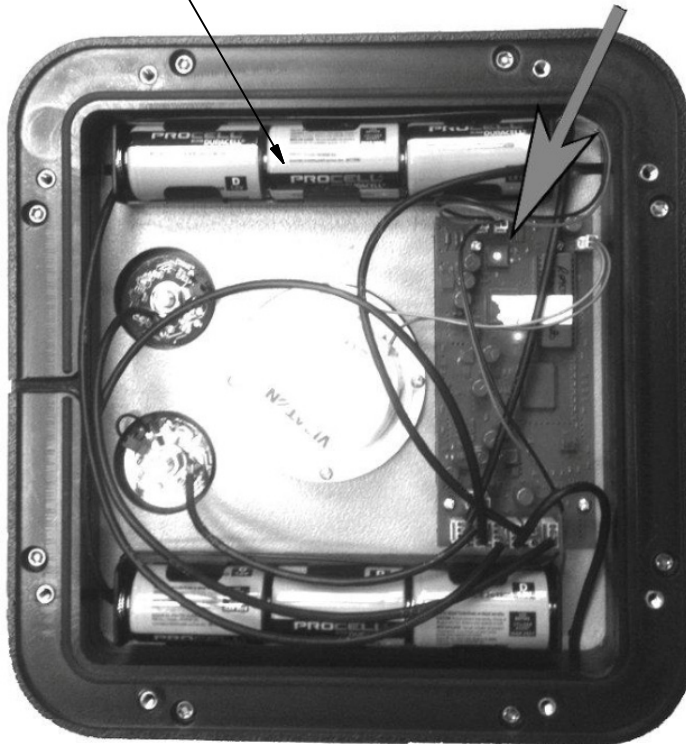
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



BATTERY REPLACEMENT:  
(6) D-CELL BATTERIES

ADJUST VOLUME HERE



TO REPLACE  
BATTERIES OR  
ADJUST VOLUME  
REMOVE BACK OF  
BOX WITH TOOL  
PROVIDED.

PLEASE CONSIDER OUR ENVIRONMENT  
WHEN DISPOSING OF WASTE BATTERIES.  
OLD BATTERIES SHOULD BE SENT TO A  
LICENSED RECYCLING FACILITY FOR  
PROPER PROCESSING.

# PowerScape

## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 9/2/2010

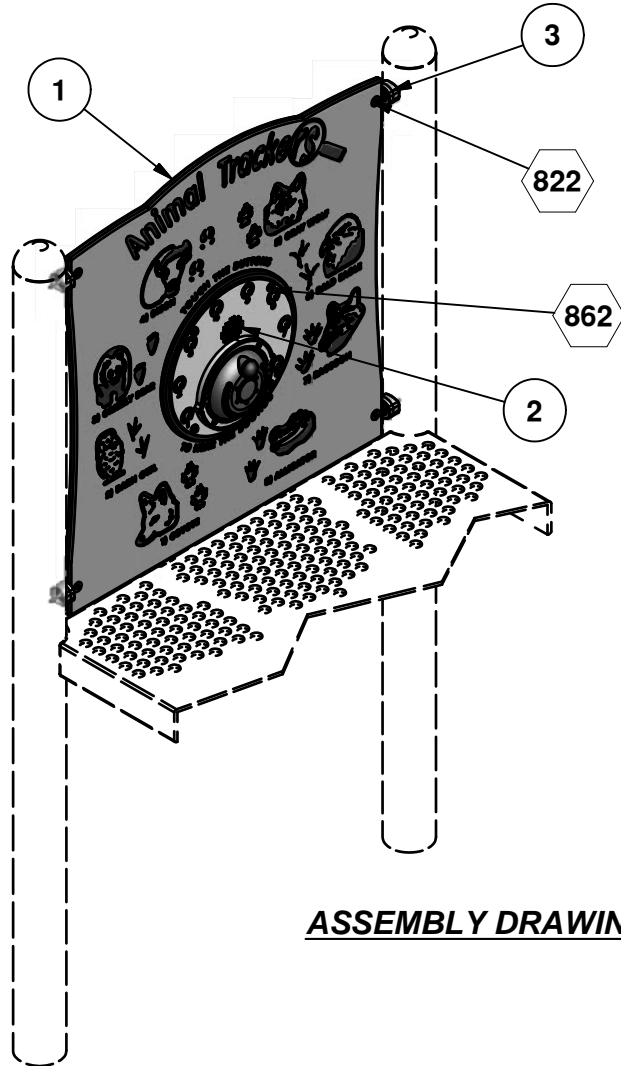
# 90837 ANIMAL TRACKERS ROTOGEN

⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE



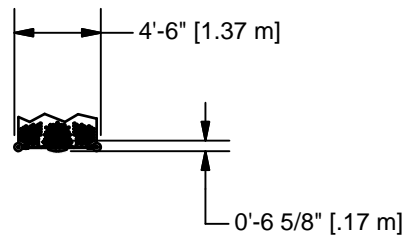
UP TO 5'



**ASSEMBLY DRAWING**

### INSTALLATION INSTRUCTIONS

1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble 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	QTY	PART NUMBER
1	ANIMAL TRACKERS HDPE PANEL	1	211973
2	ANIMAL TRACKERS ROTOGEN	1	211974
3	TRU-LOC PANEL ATTACHMENT	4	K03861
	<b>HARDWARE COMPLETE</b>	1	211977
	3/8" x 1" P.B.H.C.S. w/PATCH	4	812050*
	3/8" LOCKWASHER	12	817334*
	3/8" FLAT WASHER	4	817410*
	3/8" BARREL NUT	4	804804*
	3/8" T-NUT	4	804556*
	3/8" x 1 3/4" HEX HEAD BOLT	4	801006*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	4	812053*

*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.**

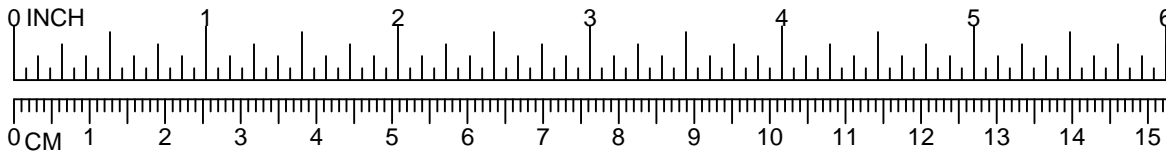
# DETAILS -for- 90837

**IMPORTANT**

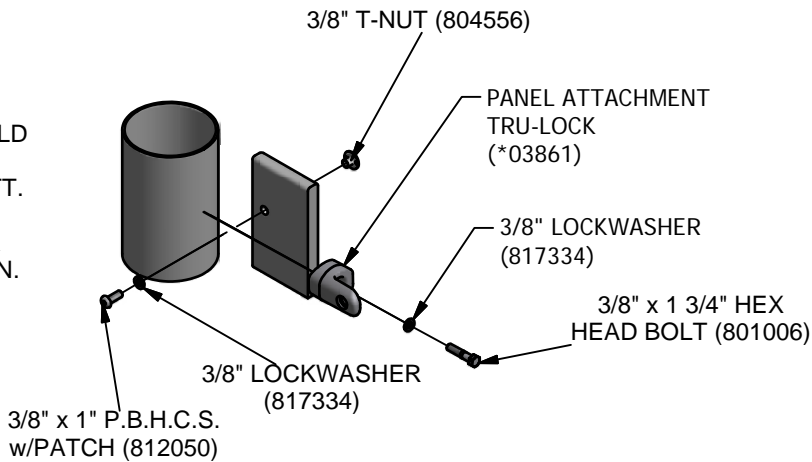
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.

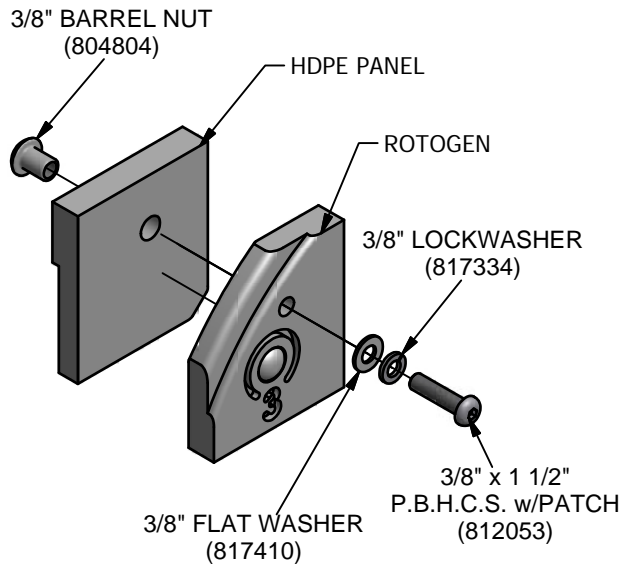


NOTE: HEX  
BOLTS SHOULD  
BE TORQUED  
FROM 20-25 FT.  
LBS.  
FOR PROPER  
INSTALLATION.





(\*=B, T, W, G, or K)

**822**



**862**

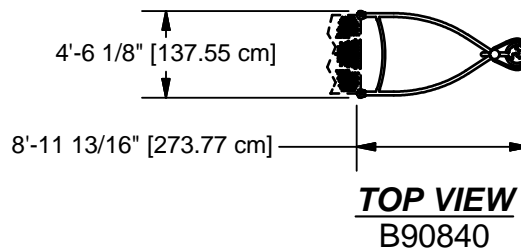
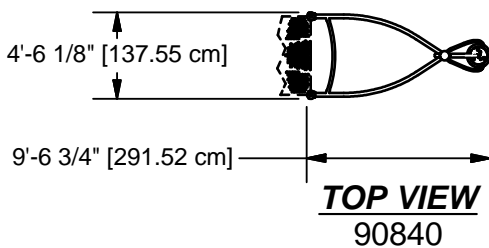
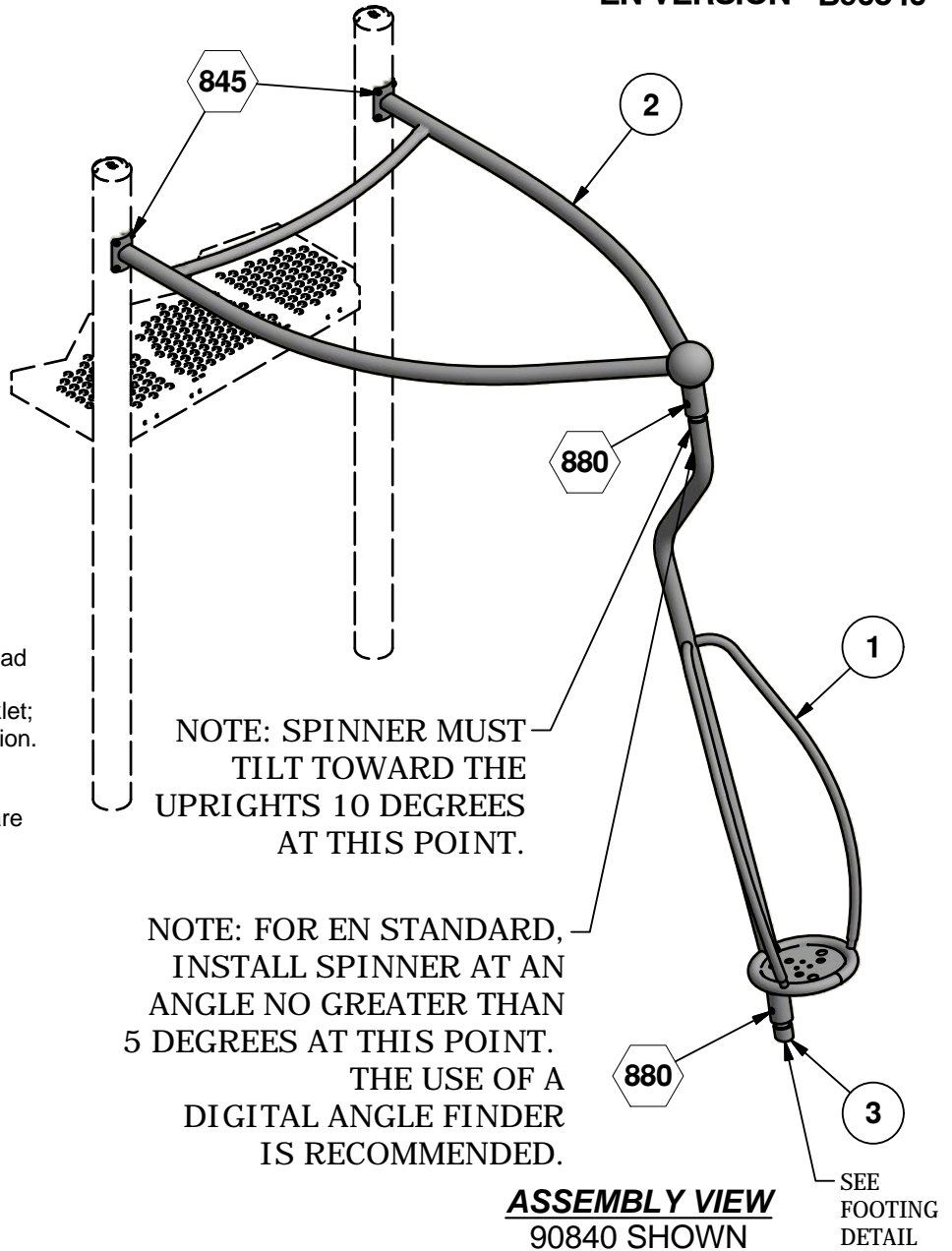
EN VERSION B90840

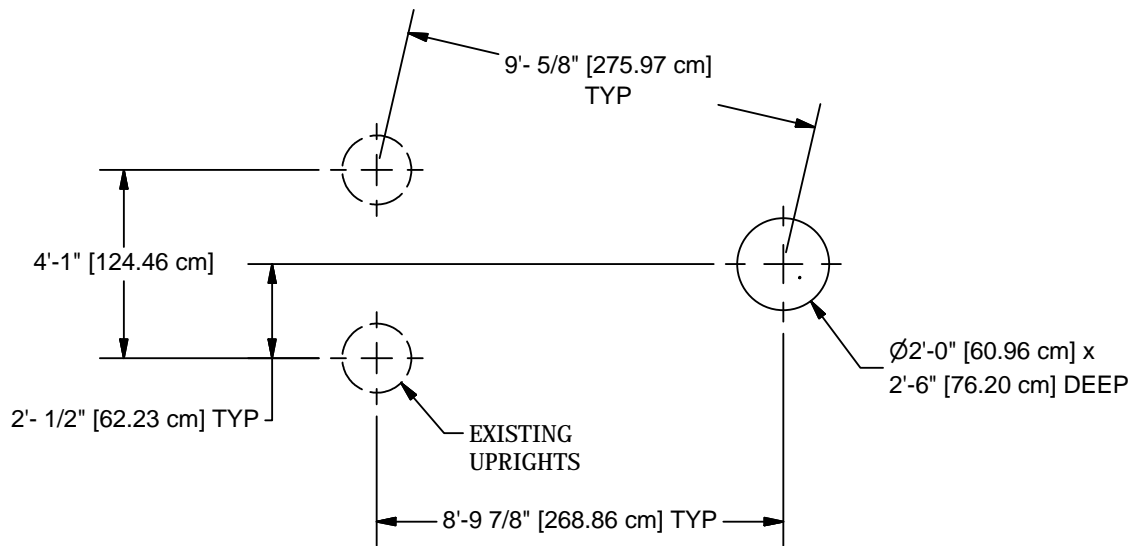
-  INSTALLATION  
= DETAIL
-  PARTS LIST  
= REFERENCE



### 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.

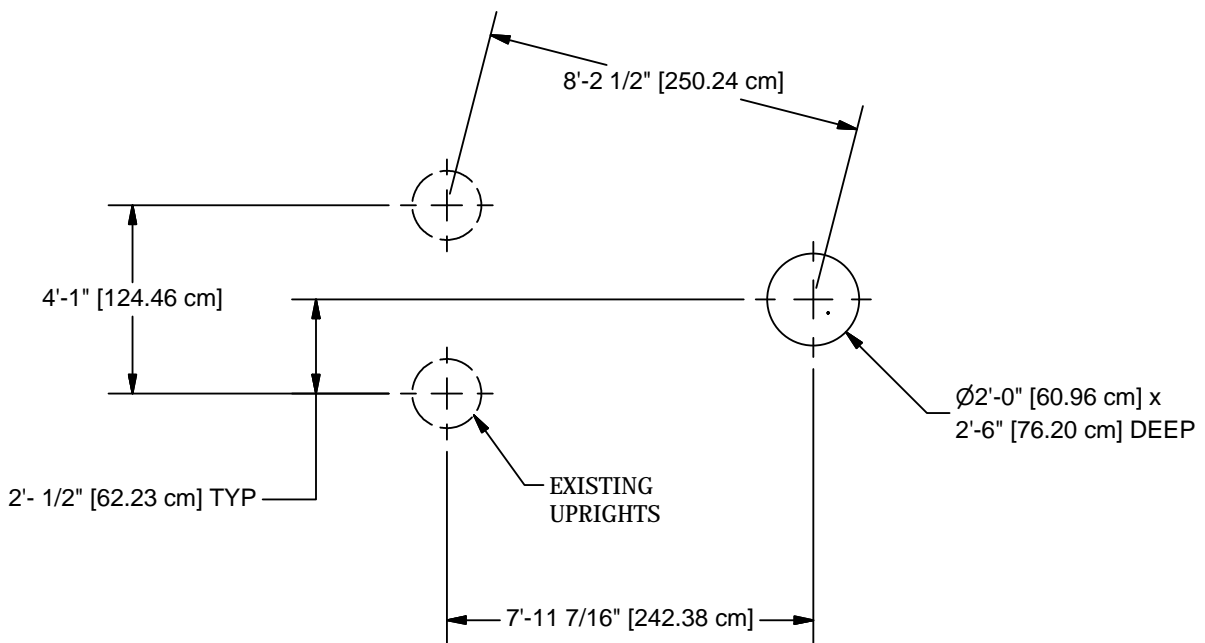




NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

**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

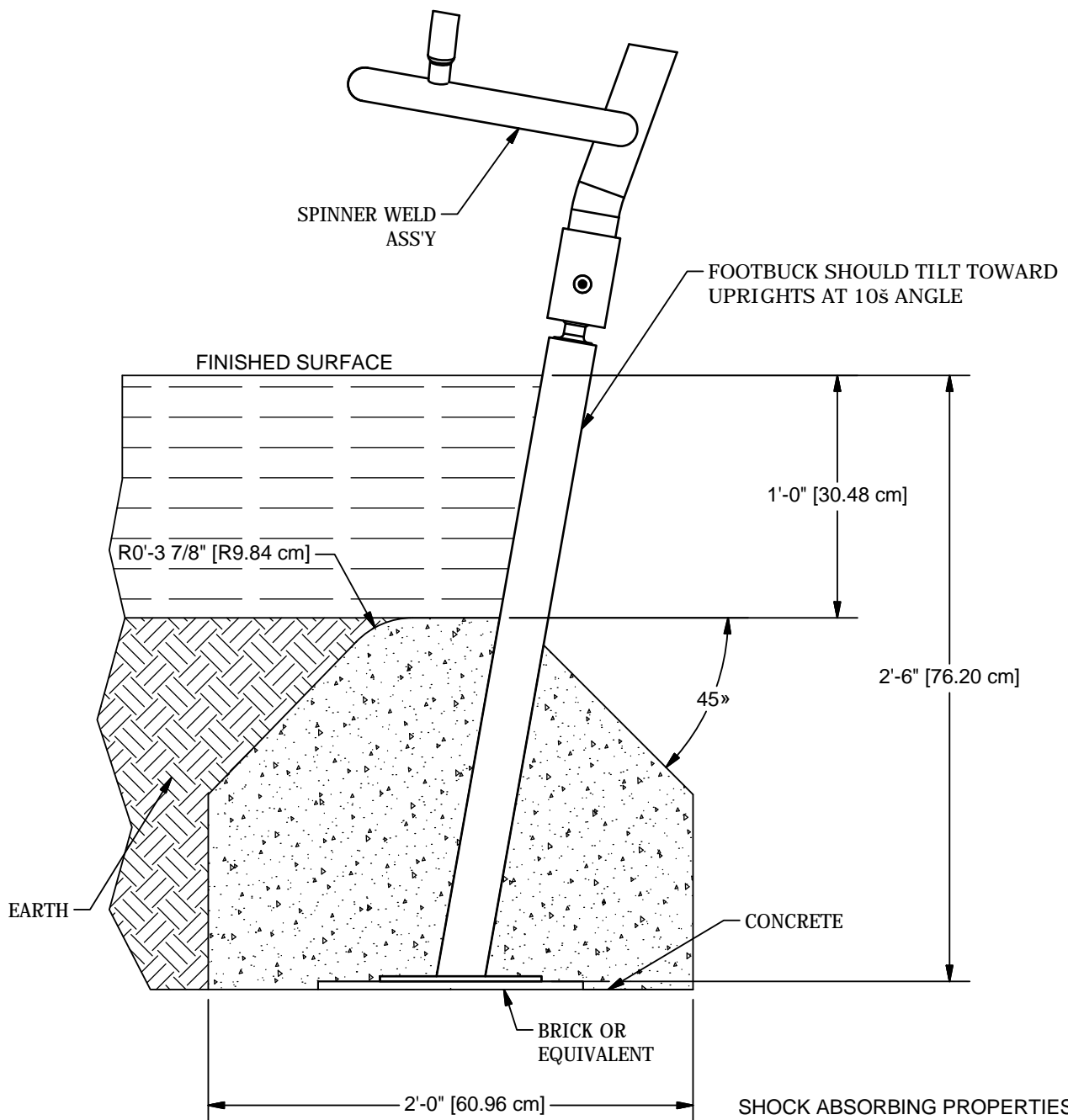


Parts List				
REF.	DESCRIPTION	90840	B90840	PART NUMBER
1	SPINNER WELD ASS'Y	1	1	212568
2	HUB FRAME WELD ASS'Y	1	1	212596
3	FOOTBUCK WELD ASS'Y	1	1	212576
	<b>HARDWARE COMPLETE</b>	1	1	212616
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	8	812051*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	2	2	812058*
	3/8" BARREL NUT	2	2	804804*
	3/8" LOCK WASHER	10	10	817334*
	UHMW HALF CUP	4	4	212587*

*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**

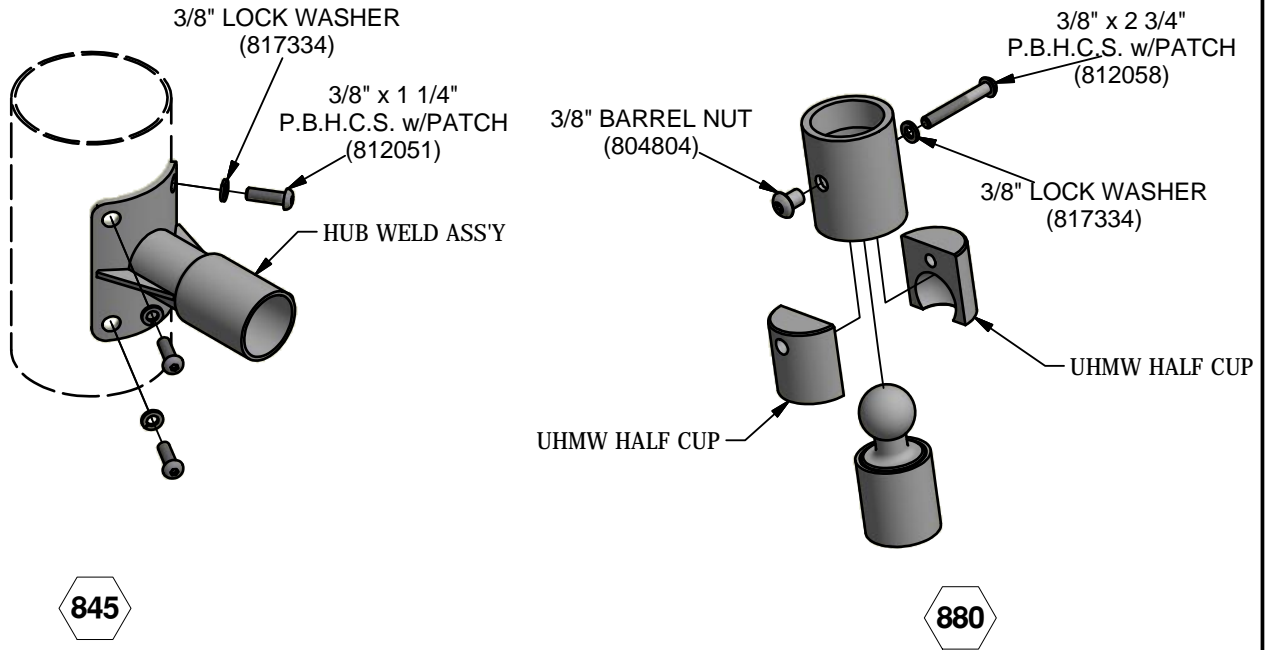
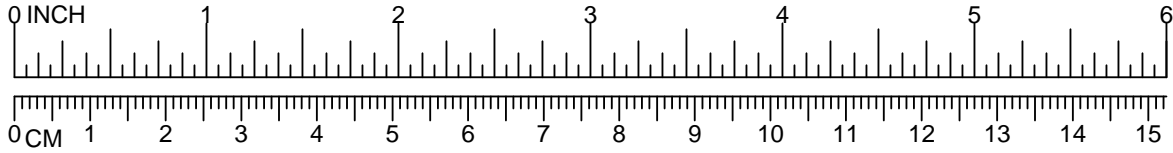
## DETAILS -for- 90840 & B90840

**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.



# PowerScape

## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/04/13

91010  
ARCHWAY  
W/SOCKET  
3D

⬡ = INSTALLATION  
DETAIL

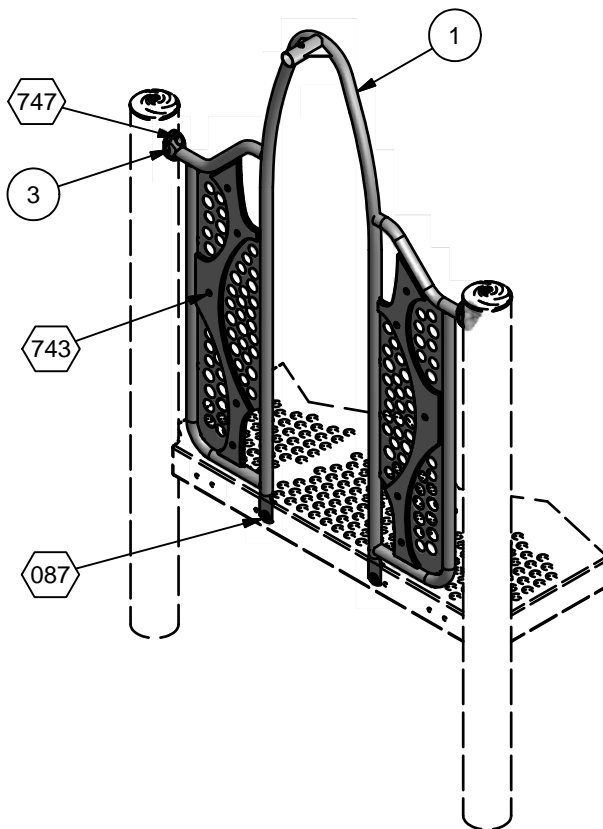
○ = PARTS LIST  
REFERENCE



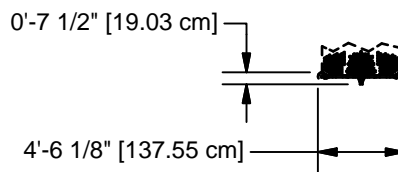
### INSTALLATION INSTRUCTIONS

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

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



**ASSEMBLY VIEW**



**TOP VIEW**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	ARCHWAY w/SOCKET 3D	1	206345
2	TRIM	2	207401
3	TRU-LOC	2	Z03650
	<b>HARDWARE COMPLETE</b>	1	205367
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" LOCKWASHER	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	ALUM. PIN	2	203568*
	1/4" FLAT WASHER (5/8" O.D.)	10	817408*
	1/4" CHERRY-MATE RIVET	10	135499*

*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.**

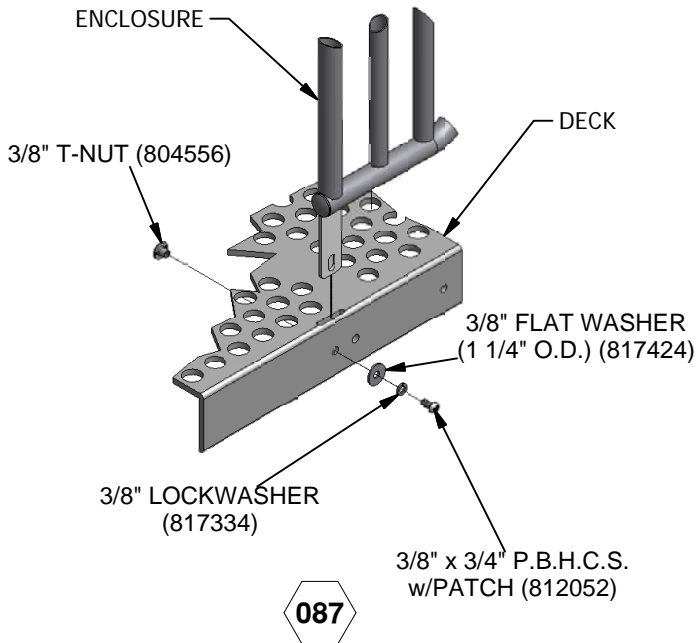
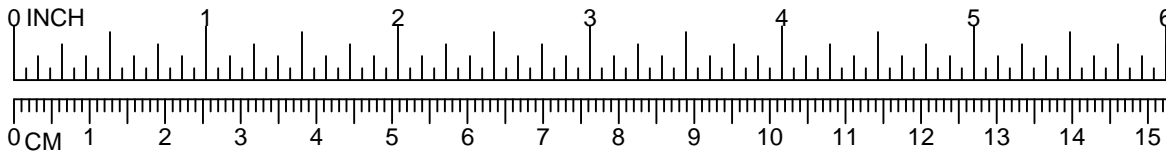
# DETAILS -for- 91010

**IMPORTANT**

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

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

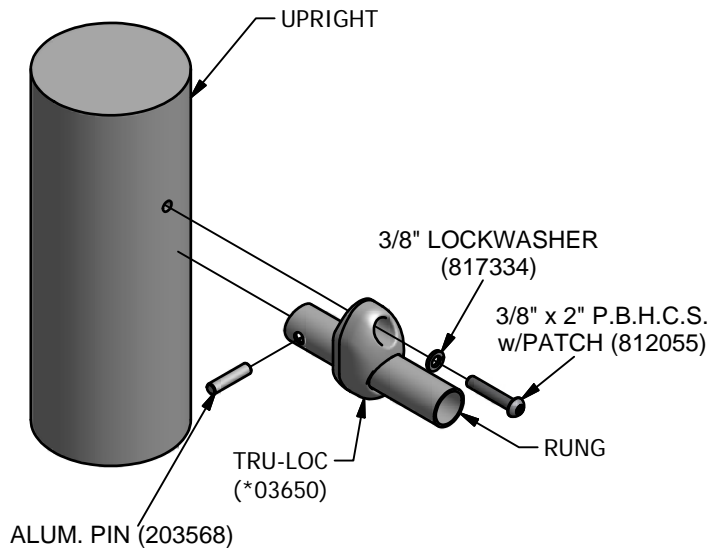
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

(\* = A OR Z)

747



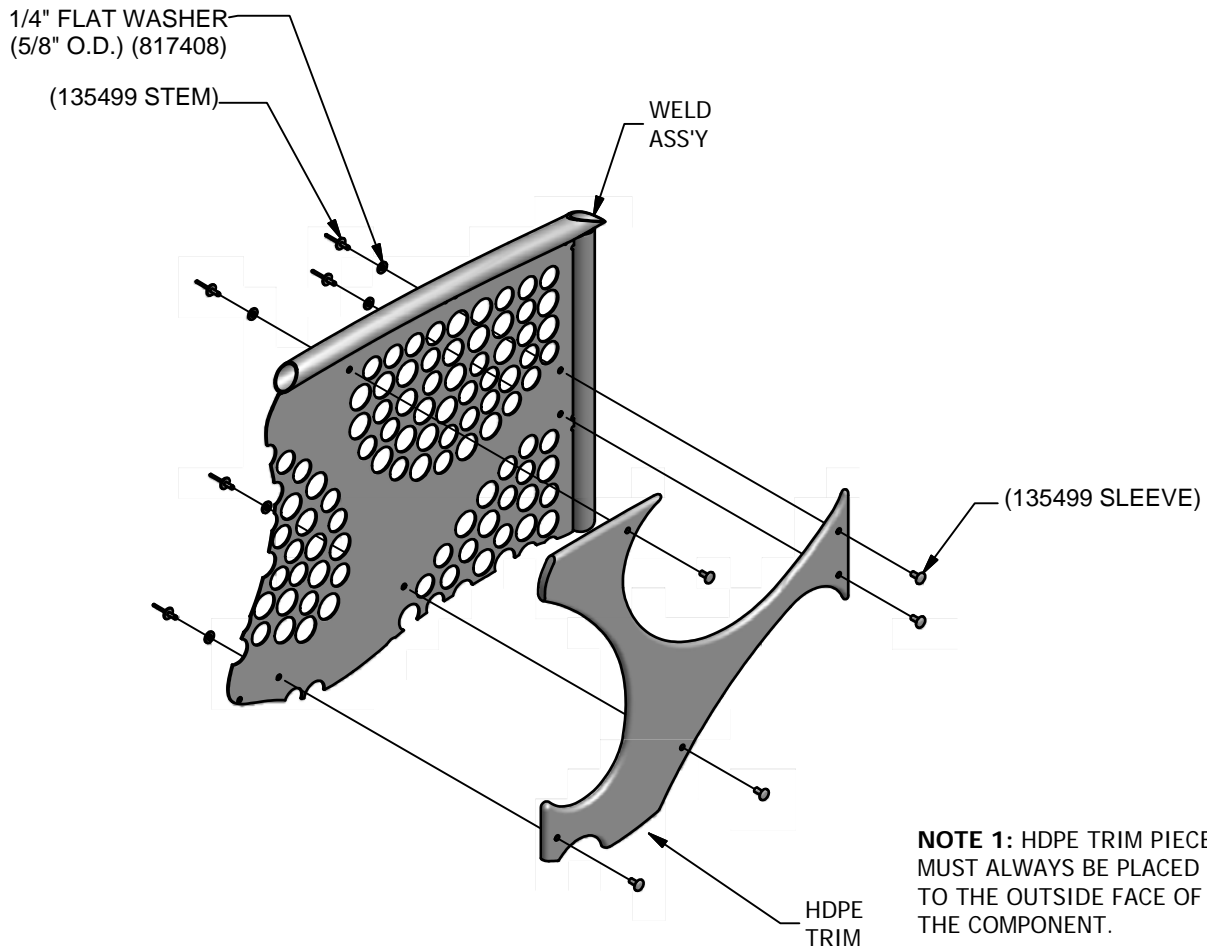
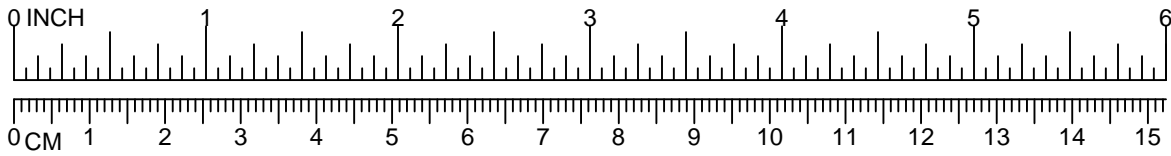
# DETAILS -for- 91010

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.



743

**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE



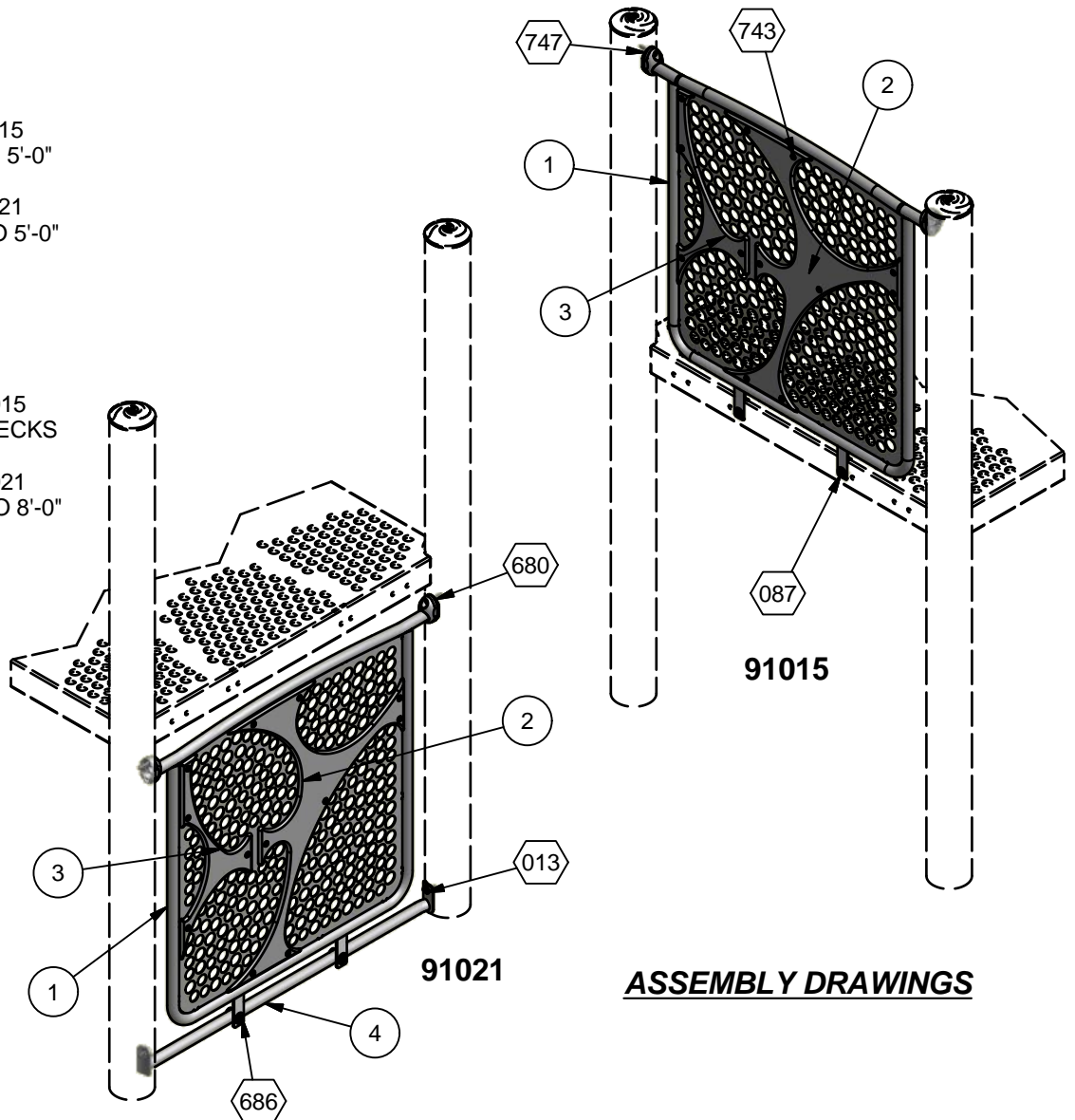
91015  
UP TO 5'-0"

91021  
4'-0" TO 5'-0"



91015  
ALL DECKS

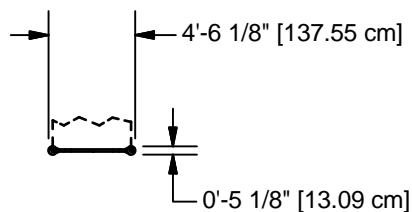
91021  
5'-6" TO 8'-0"



### ASSEMBLY DRAWINGS

### INSTALLATION INSTRUCTIONS

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



**TOP VIEW**



Parts List				
REF.	DESCRIPTION	91015	91021	PART NUMBER
1	ENCLOSURE 3D WELD ASS'Y	1	1	205275
2	PANEL TRIM LARGE	1	1	205278
3	PANEL TRIM SMALL	1	1	205277
4	MOUNTING PIPE	0	1	203900
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	0	205296
	<b>HARDWARE COMPLETE</b>	0	1	205297
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	0	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	0	2	812053*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCKWASHER	4	6	817334*
	3/8" T-NUT	2	2	804556*
	ALUM. PIN	2	2	203568*
	1/4" CHERRY-MATE RIVET	12	12	135499*
	1/4" FLAT WASHER (5/8" O.D.)	12	12	817408*

*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.**

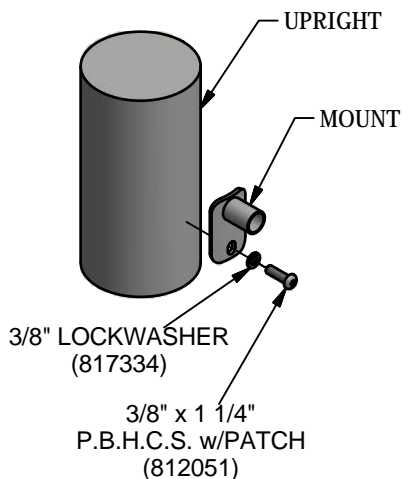
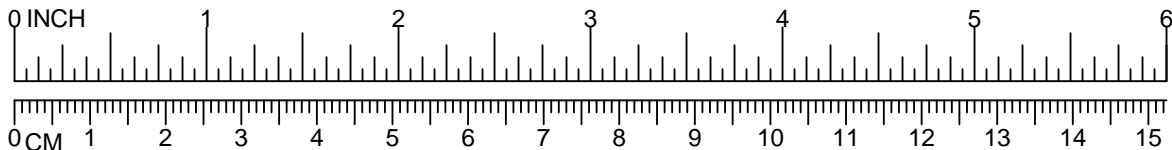
# DETAILS -for- 91015 & 91021

**IMPORTANT**

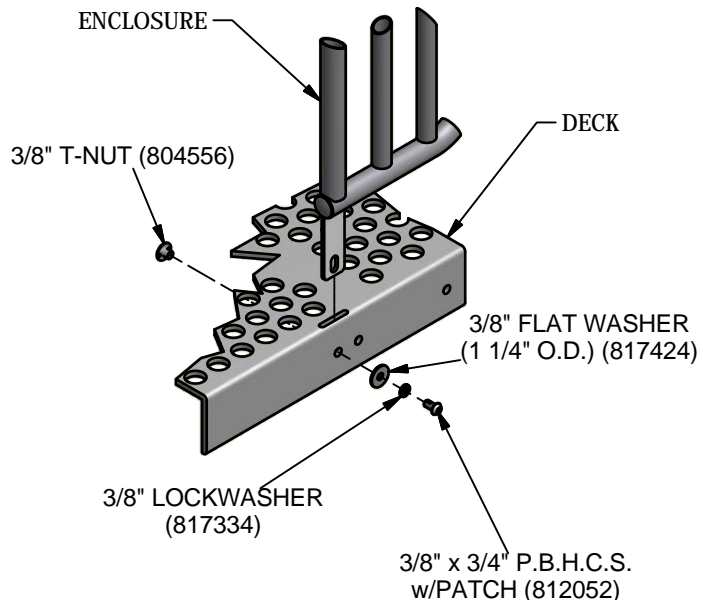
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

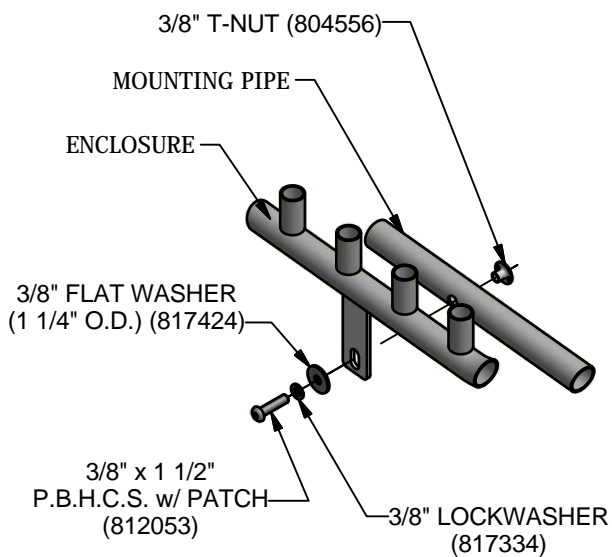
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



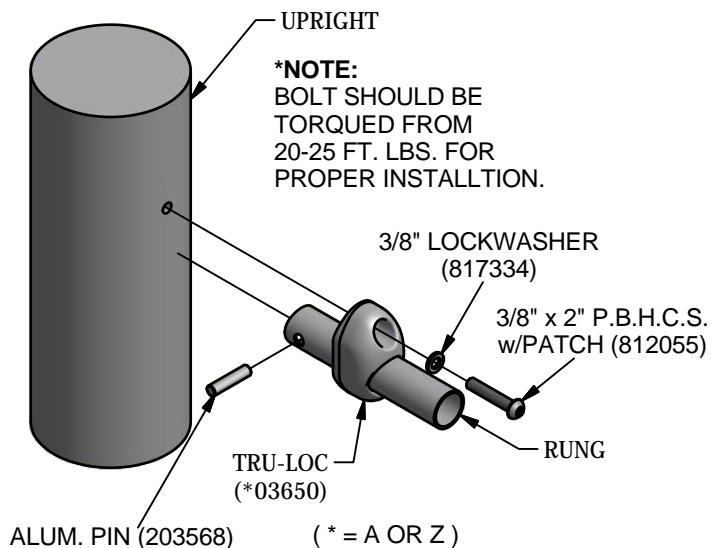
013



087



686



747

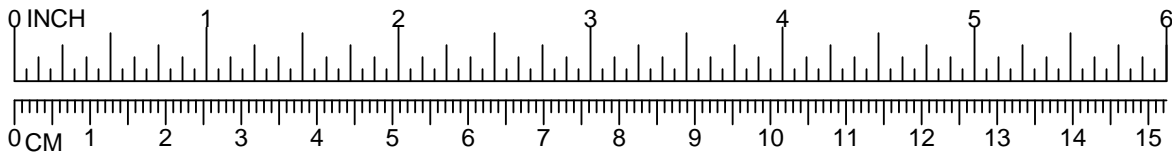
## DETAILS -for- 91015 & 91021

### 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.

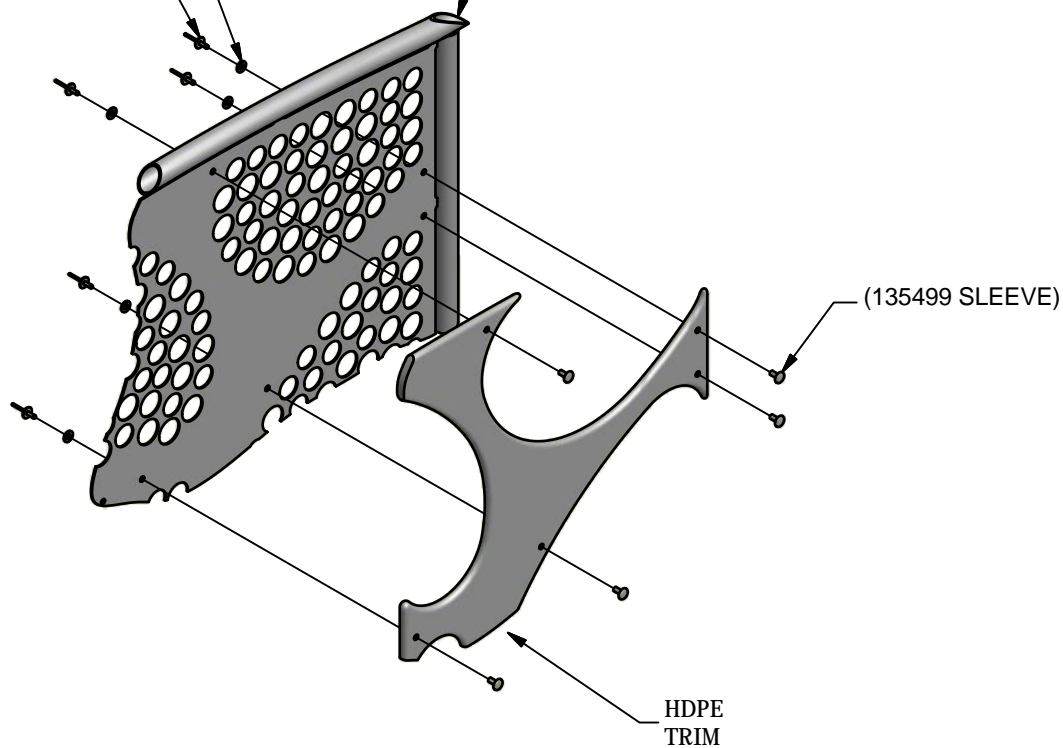
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



1/4" FLAT WASHER  
(5/8" O.D.) (817408)

(135499 STEM)

WELD  
ASS'Y



743

NOTE 1: HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

NOTE 2: STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 7/21/13

# 91097 DOUBLE BUBBLE CLIMBER

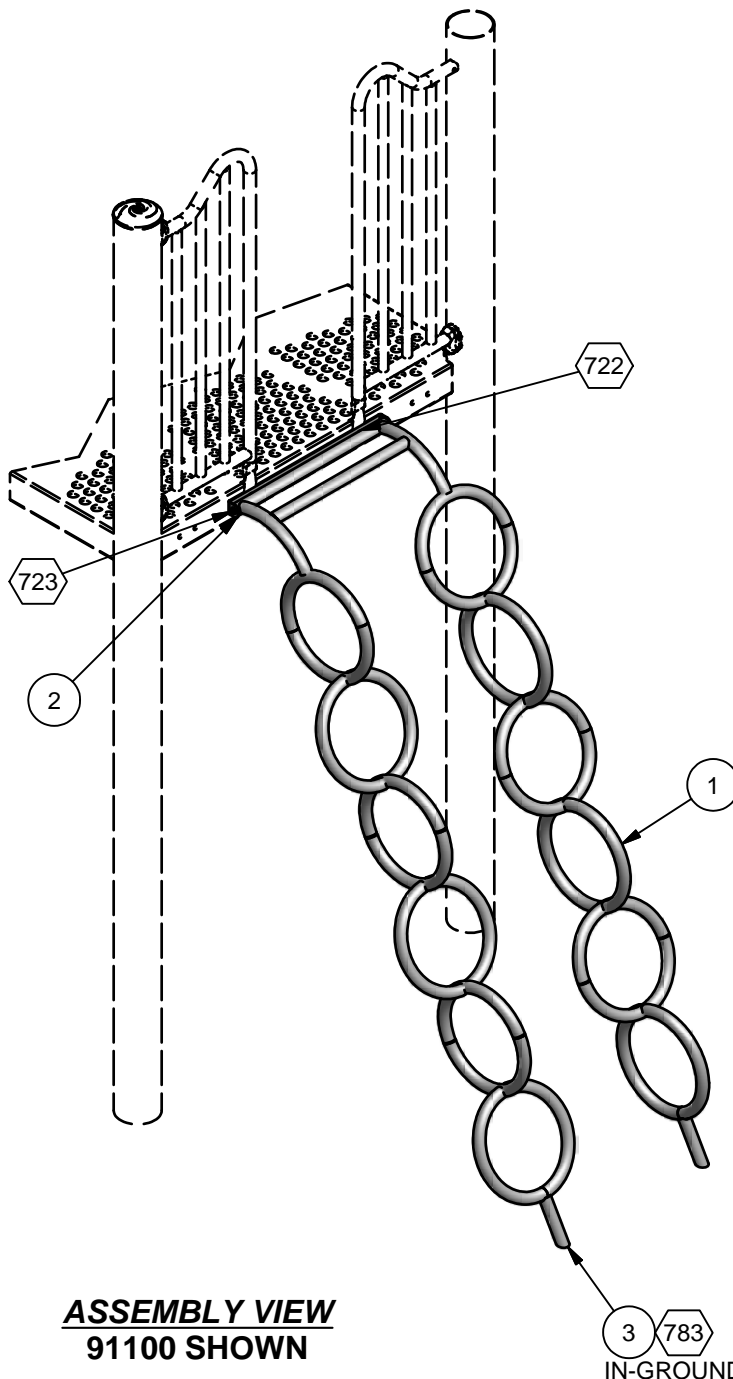
-  = INSTALLATION
-  = PARTS LIST REFERENCE

4'-0" THRU 5'-0"	91097
5'-6" THRU 6'-6"	91100
7'-0" THRU 8'-0"	91103



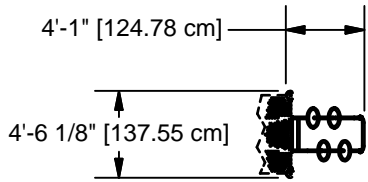
### INSTALLATION INSTRUCTIONS

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

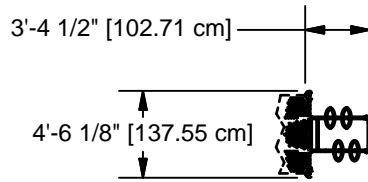


**ASSEMBLY VIEW**  
**91100 SHOWN**

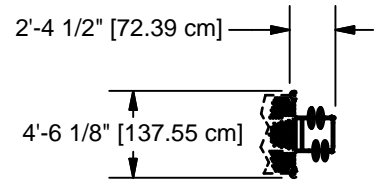
   
IN-GROUND



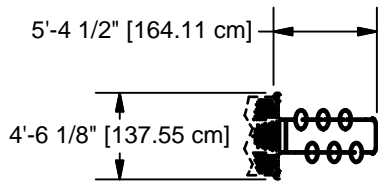
**91097**  
**4'-0" DECK**



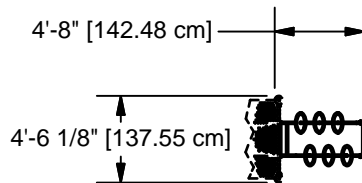
**91097**  
**4'-6" DECK**



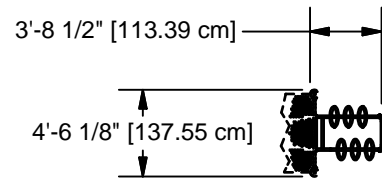
**91097**  
**5'-0" DECK**



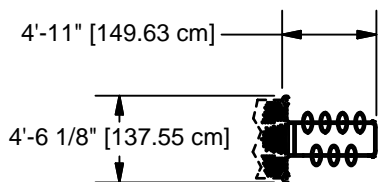
**91100**  
**5'-6" DECK**



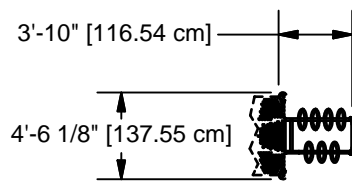
**91100**  
**6'-0" DECK**



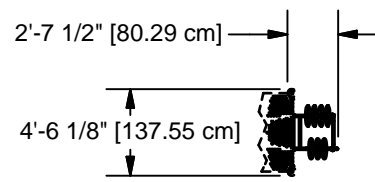
**91100**  
**6'-6" DECK**



**91103**  
**7'-0" DECK**

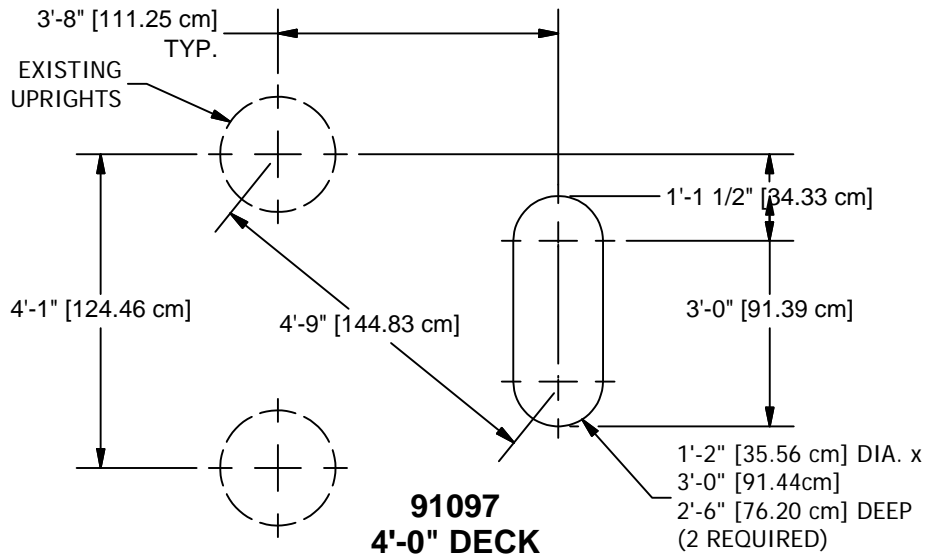


**91103**  
**7'-6" DECK**



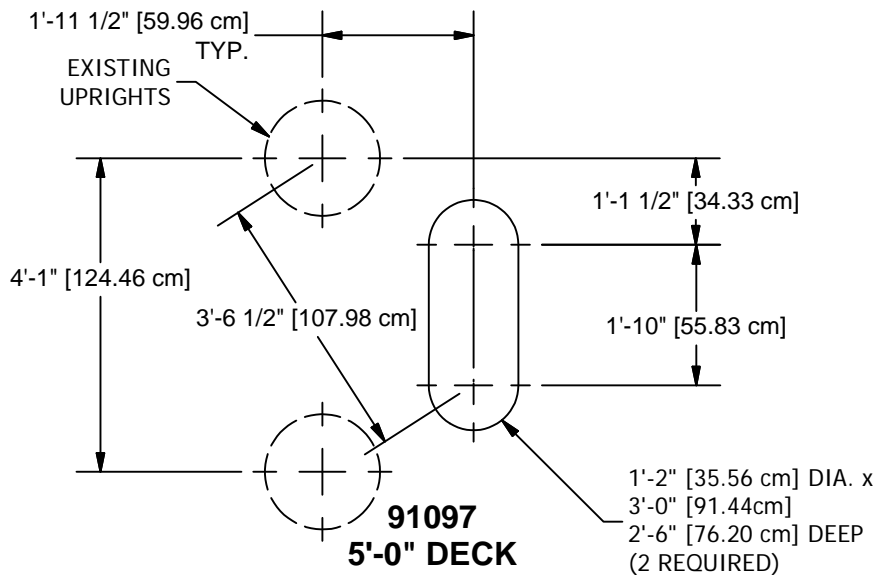
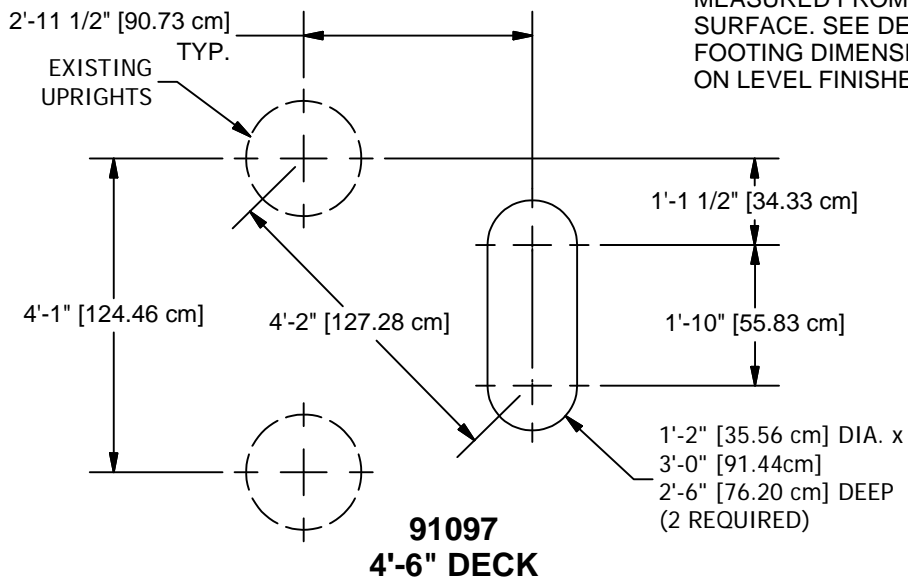
**91103**  
**8'-0" DECK**

**TOP VIEWS**

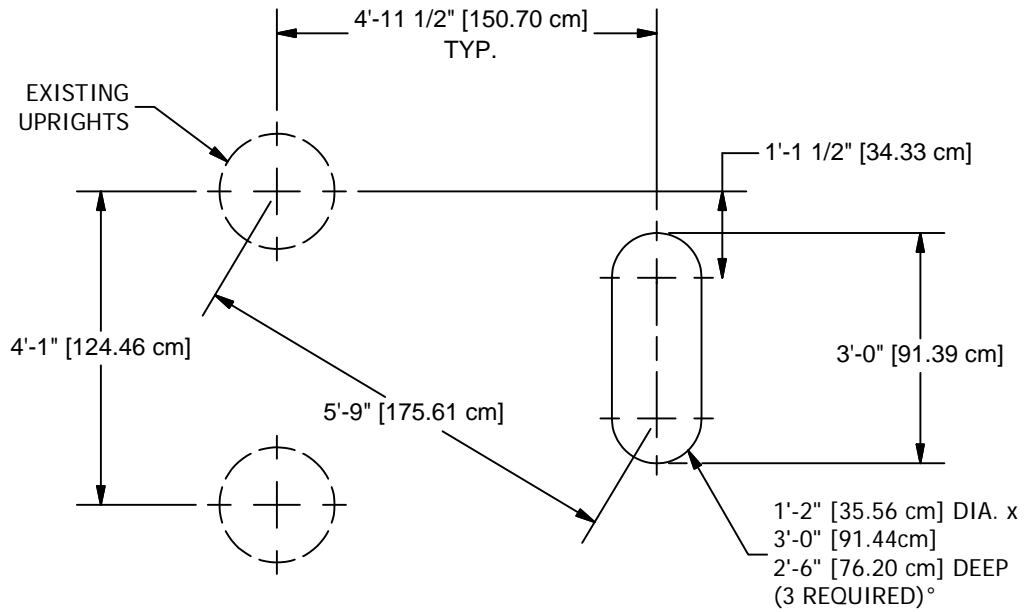


**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED  
.19 CUBIC YARDS  
[.15 CUBIC METERS]



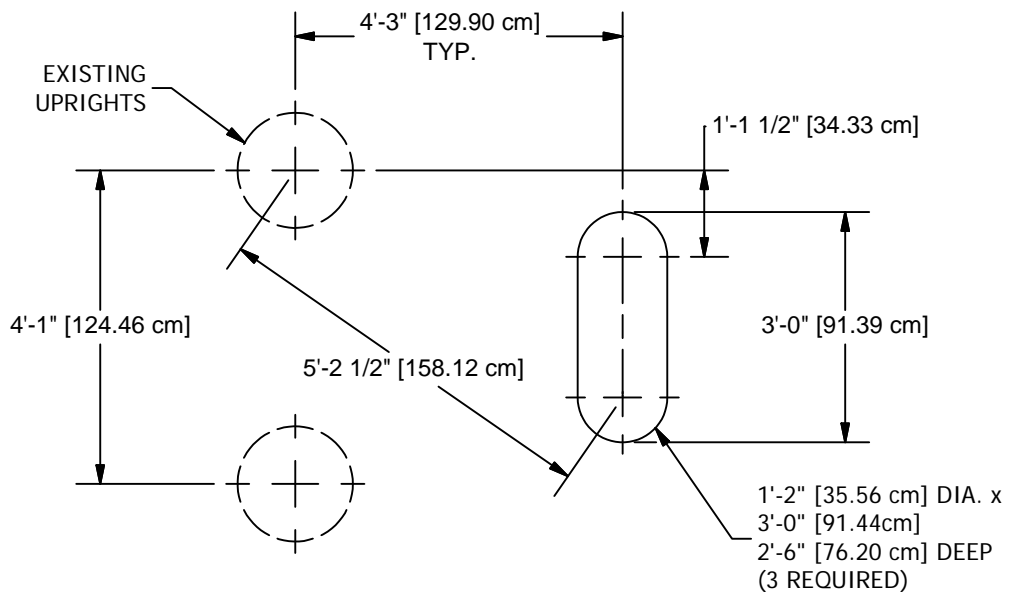
**GROUND PLANS**



**91100  
5'-6" DECK**

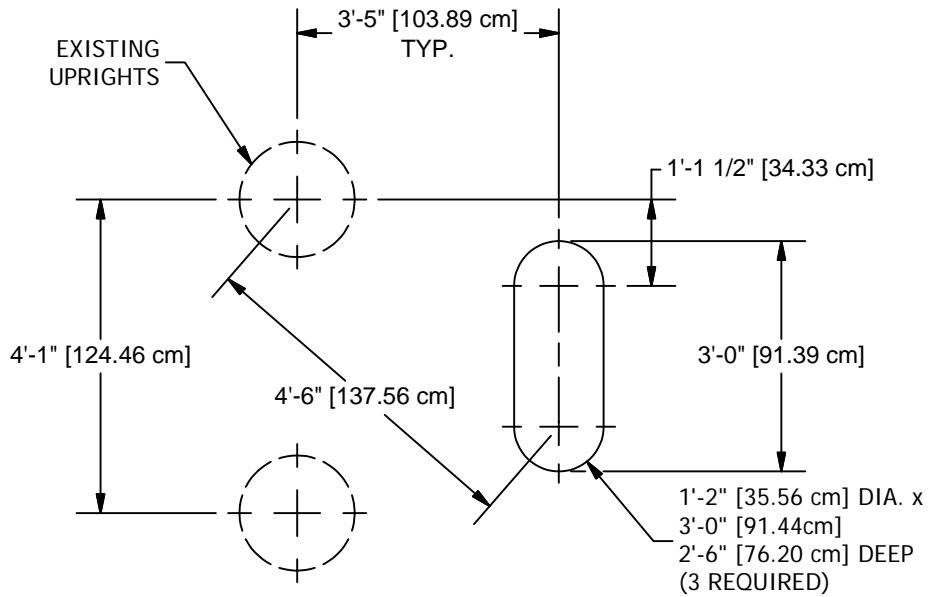
**NOTE:** HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 032. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.

CONCRETE REQUIRED  
.19 CUBIC YARDS  
[.15 CUBIC METERS]



**91100  
6'-0" DECK**

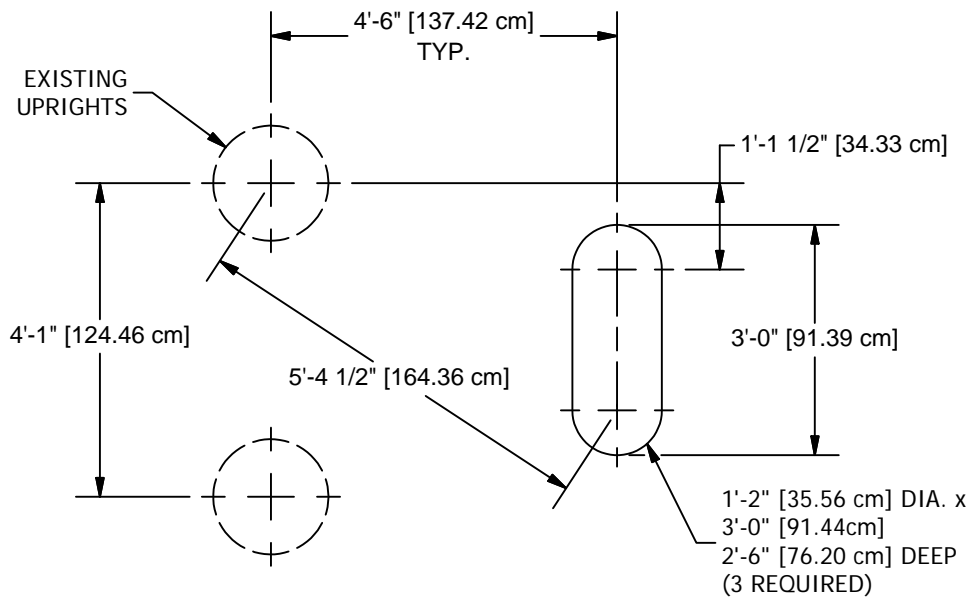
**GROUND PLANS**



**91100  
6'-6" DECK**

**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.

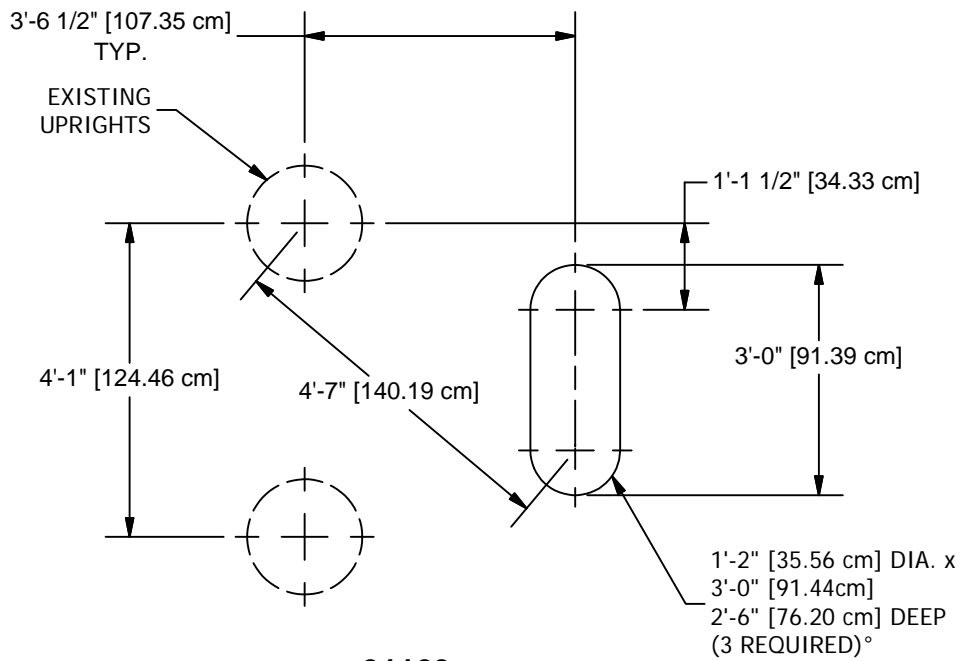
CONCRETE REQUIRED  
.19 CUBIC YARDS  
[.15 CUBIC METERS]



**91103  
7'-0" DECK**

**GROUND PLANS**

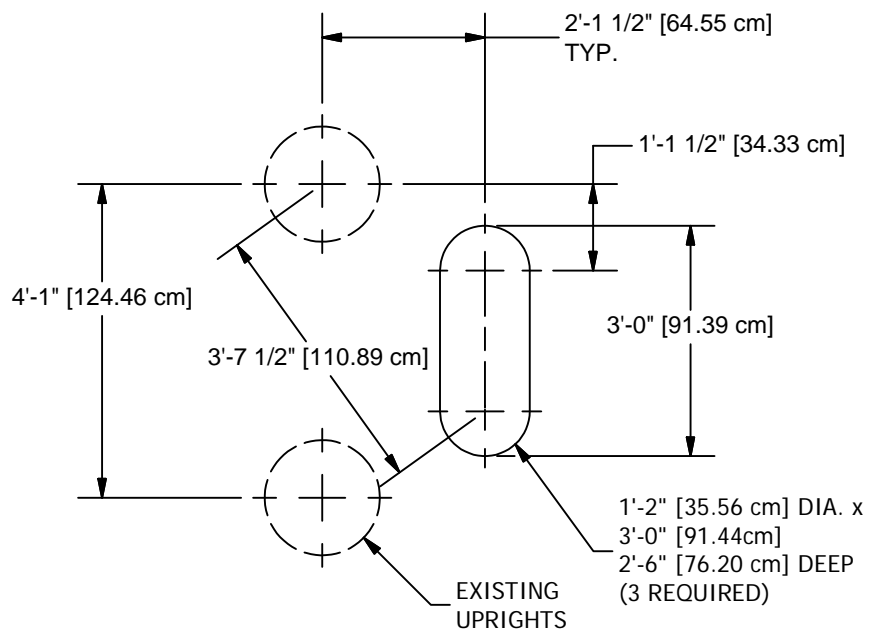




**91103  
7'-6" DECK**

CONCRETE REQUIRED  
.19 CUBIC YARDS  
[.15 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.



**91103  
8'-0" DECK**

**GROUND PLANS**

Parts List					
REF.	DESCRIPTION	91097	91100	91103	PART NUMBER
1	CLIMBER WELD ASS'Y	1	0	0	205548
1	CLIMBER WELD ASS'Y	0	1	0	205559
1	CLIMBER WELD ASS'Y	0	0	1	205567
2	MOUNTING BRACKET	1	1	1	203269
3	FOOTBUCK	2	2	2	203271
	<b>HARDWARE COMPLETE</b>	1	1	1	205705
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	2	2	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	2	2	2	812054*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	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.**

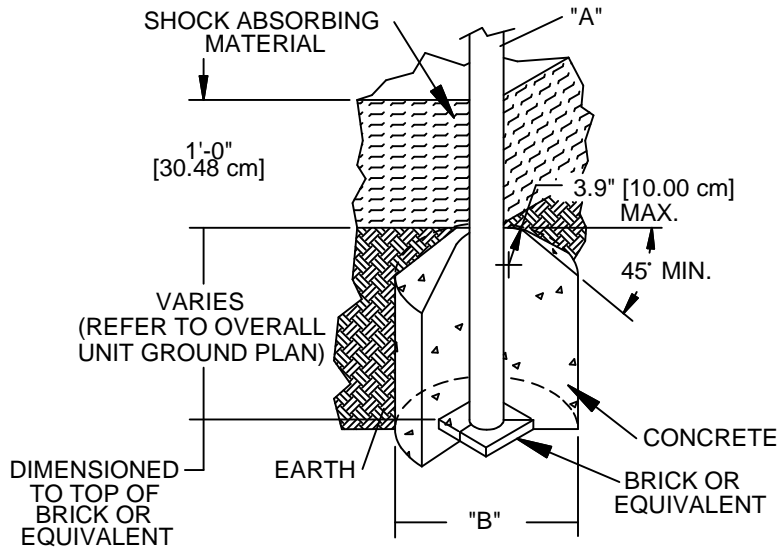
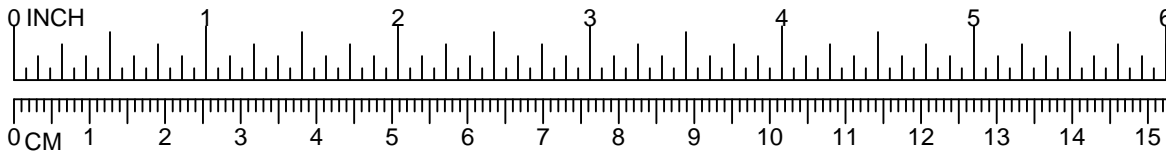
# DETAILS -for- 91097, 91100, & 91103

## 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.



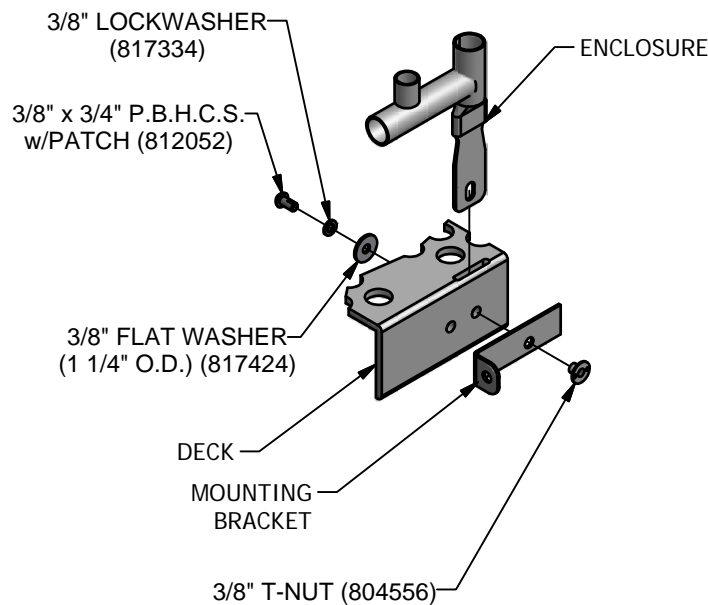
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

### NOTES:

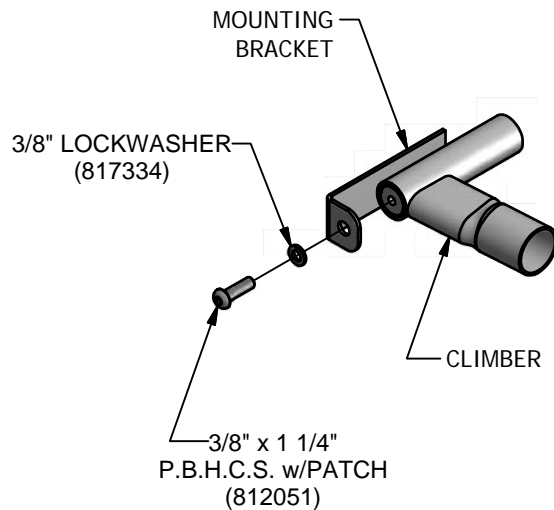
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



722



723

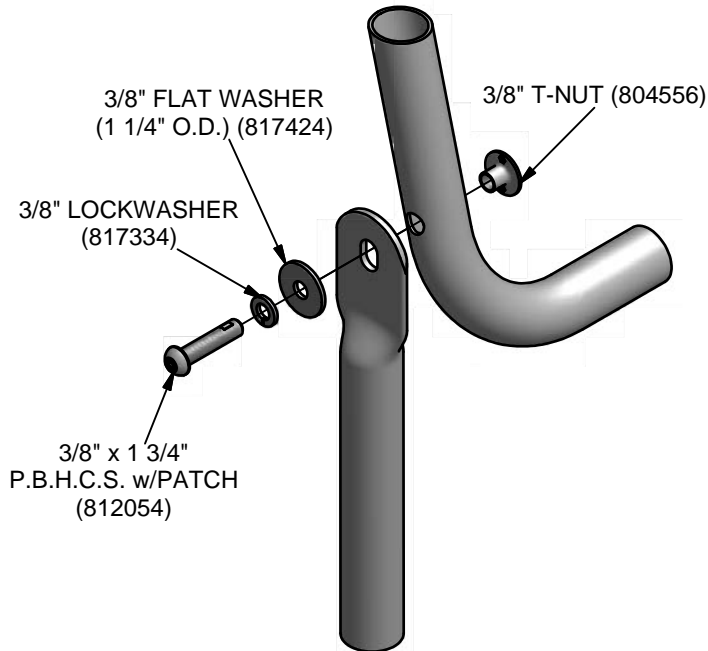
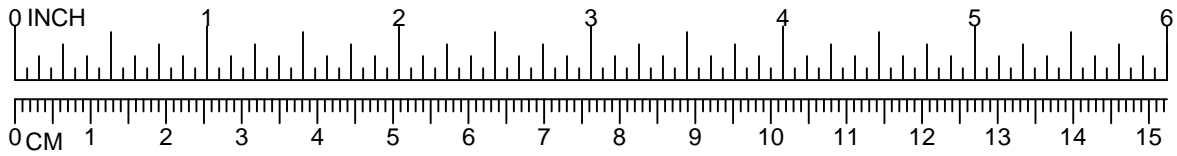
# DETAILS -for- 91097, 91100, & 91103

## 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.



783

# PowerScape



## GameTime

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

# 91139 ENTRYWAY

-  = INSTALLATION
-  = PARTS LIST REFERENCE

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



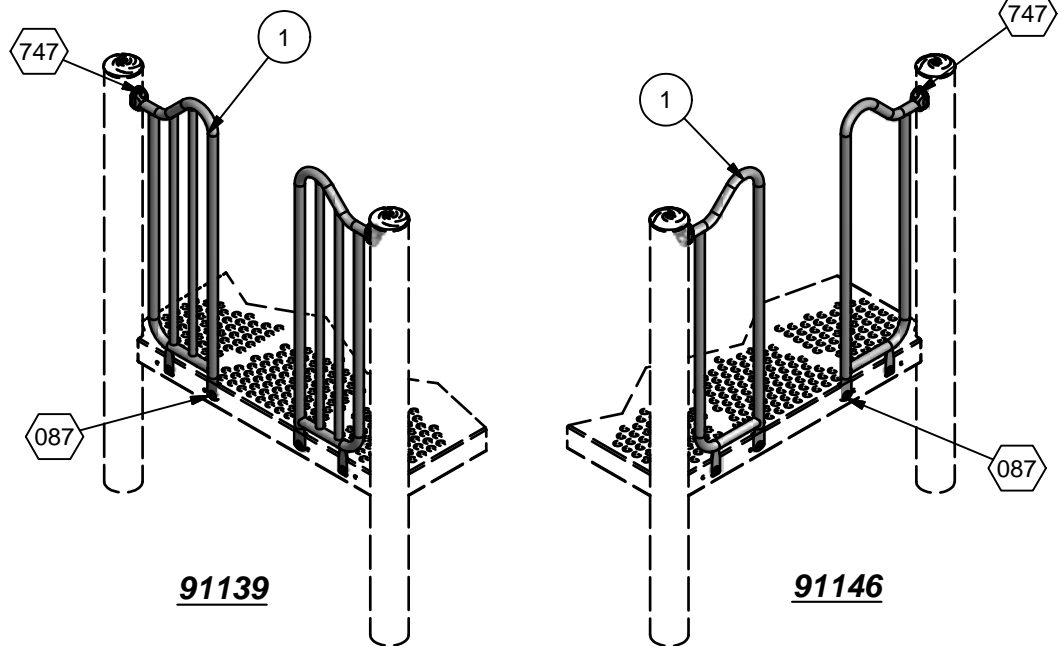
91146  
2'-6"  
OR  
BELOW



91139



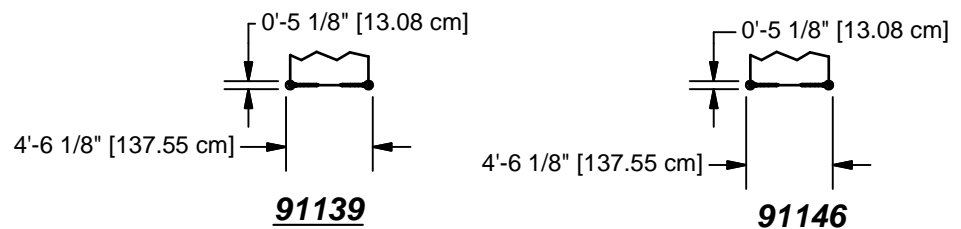
91146  
4'-0"  
OR  
BELOW



**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
	<b>HARDWARE COMPLETE</b>	1	1	206587
	ALUM. PIN	2	2	203568*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" 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.**

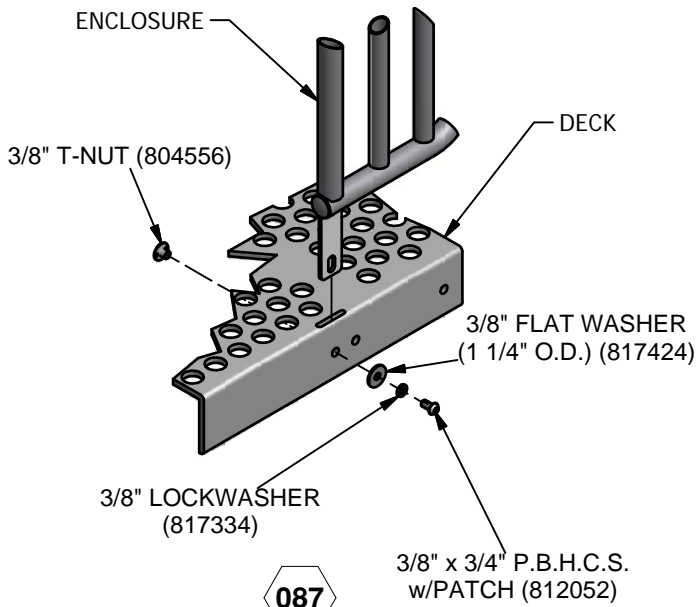
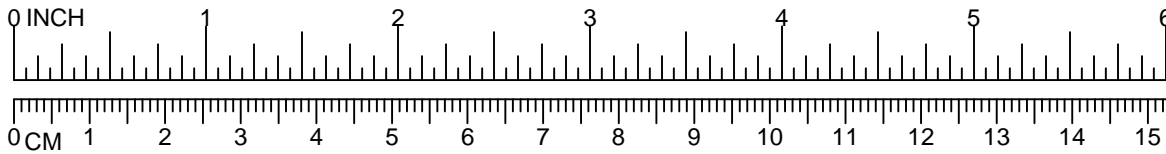
# DETAILS -for- 91139 AND 91146

## 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.

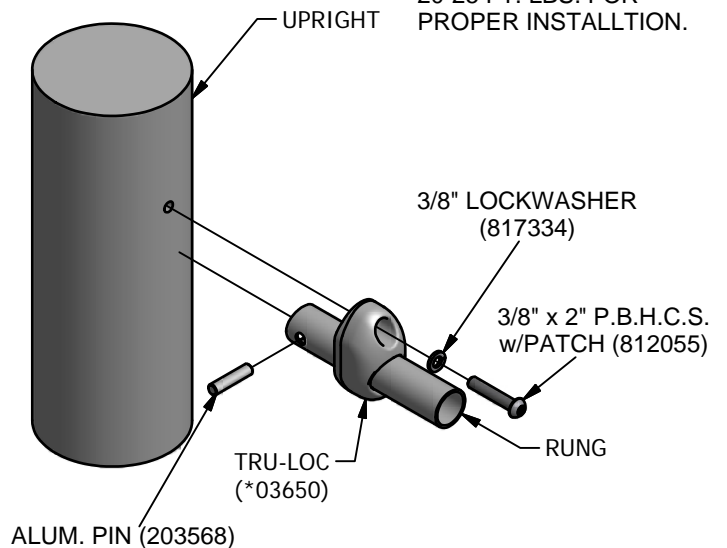
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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.



# PowerScape®



## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

# 91140 HIGH POINT ENTRYWAY

-  = 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

91144  
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

91140

This play equipment is designed for

**CHILDREN**

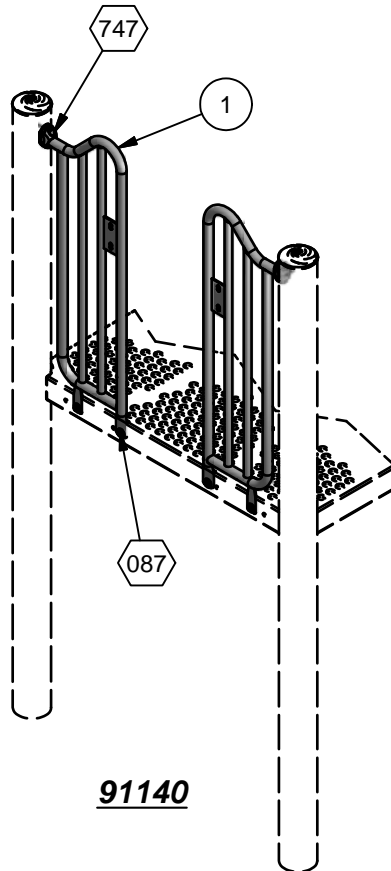
**5 TO 12**

**YEARS OLD**

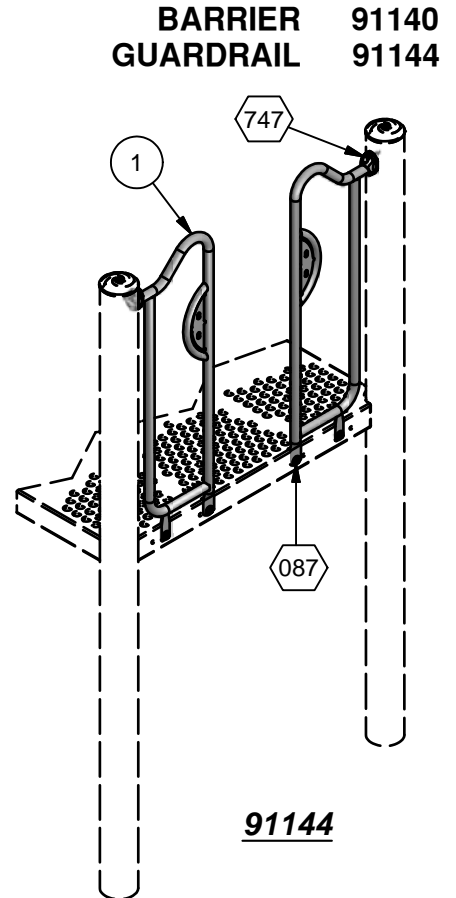
Adult supervision is recommended

Enriching Childhood Through Play™ www.gametime.com

91144  
4'-0"  
OR  
BELOW



**91140**

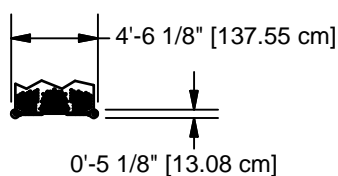


**91144**

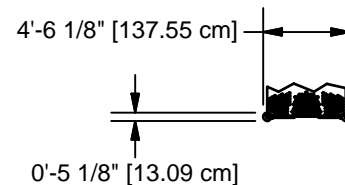
### ASSEMBLY VIEWS

### 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.



**91140**



**91144**

### TOP VIEWS



Parts List				
ITEM	DESCRIPTION	91140	91144	PART NUMBER
1	ENTRY BARRIER	2	0	206550
1	ENTRY GUARDRAIL	0	2	206563
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	1	206587
	ALUM. PIN	2	2	203568*
	3/8" LOCKWASHER	6	6	817334*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	3/8" T-NUT	4	4	804556*

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

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

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

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

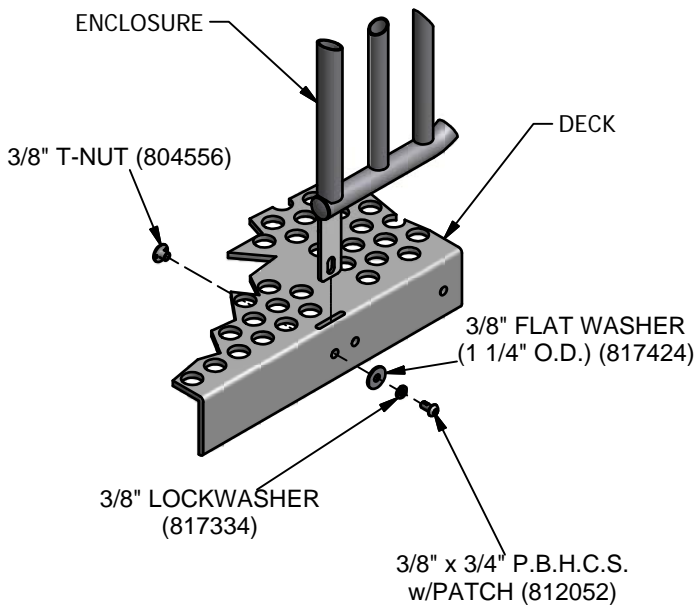
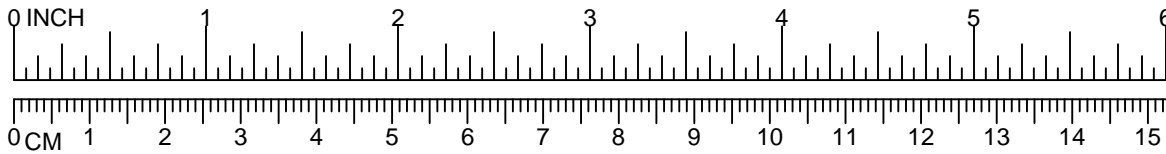
# DETAILS -for- 91140 AND 91144

## 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.

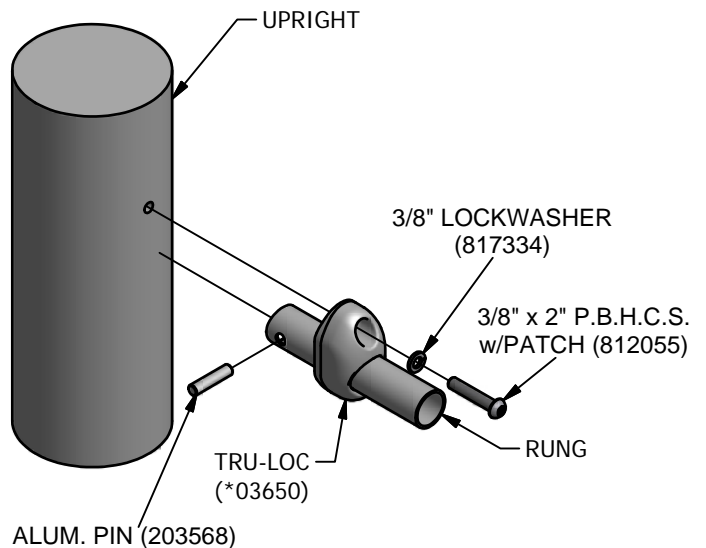
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



(\* = A OR Z)

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

087



747

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

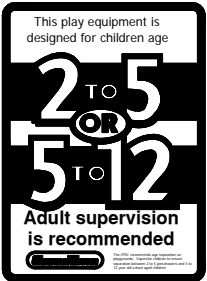
# 91141 LOW POINT ENTRYWAY

- ⬡ = INSTALLATION  
DETAIL
- = PARTS LIST  
REFERENCE

**BARRIER 91141**  
**GUARDRAIL 91145**



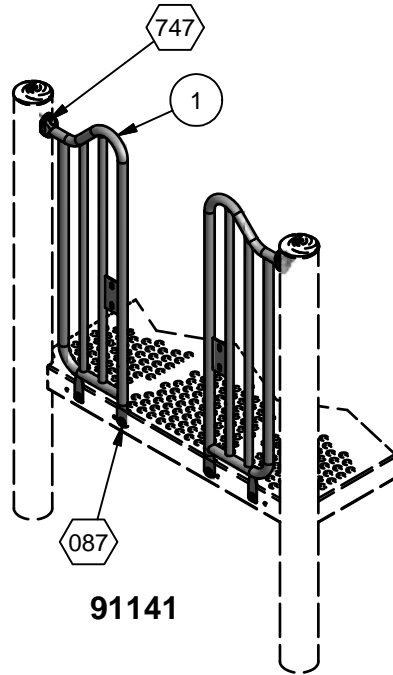
91145  
2'-6"  
OR  
BELOW



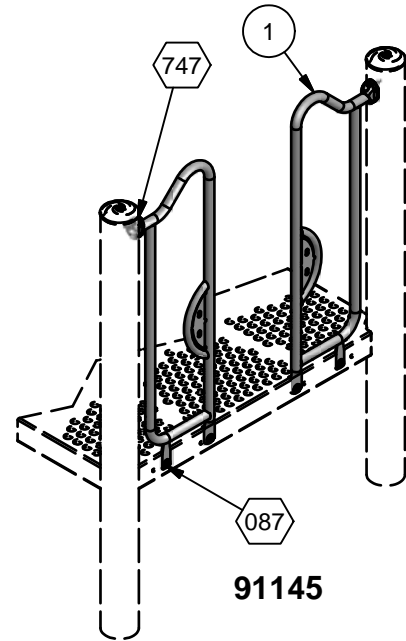
91141



91145  
4'-0"  
OR  
BELOW



91141



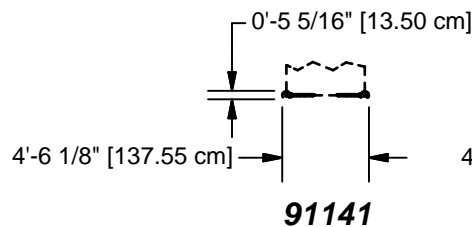
91145

### ASSEMBLY VIEWS

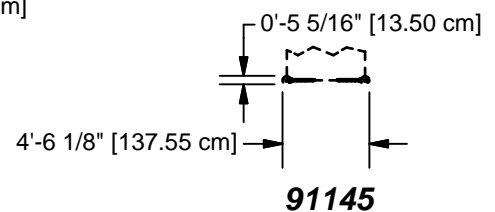
### INSTALLATION INSTRUCTIONS

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.



91141



91145

### TOP VIEWS

Parts List				
ITEM	DESCRIPTION	91141	91145	PART NUMBER
1	ENTRY BARRIER	2	0	206552
1	ENTRY GUARDRAIL	0	2	206565
	TRU-LOC	2	2	A03650
	<b>HARDWARE COMPLETE</b>	1	1	206587
	3/8" LOCKWASHER	6	6	817334*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	2	812055*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	4	812052*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	817424*
	ALUM. PIN	2	2	203568*
	3/8" T-NUT	4	4	804556*

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

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

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

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

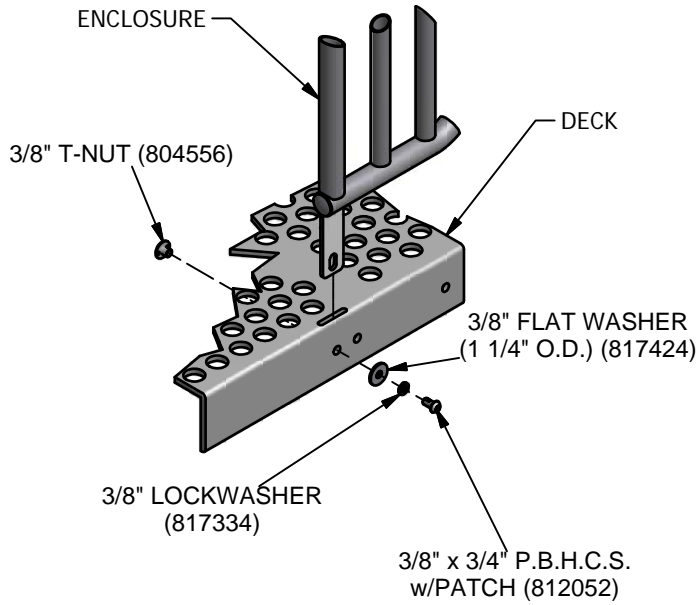
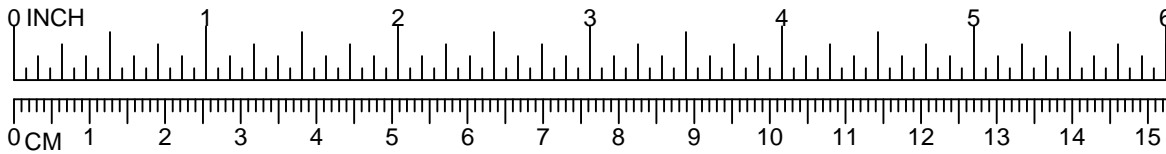
# DETAILS -for- 91141 AND 91145

## 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.

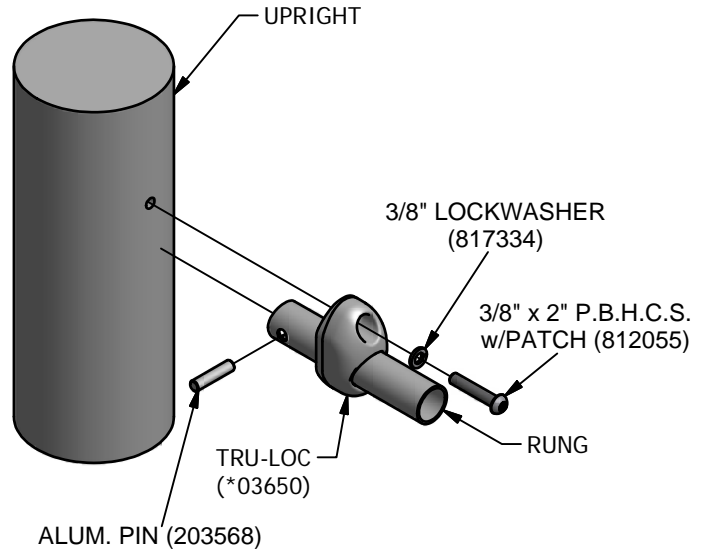
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



(\* = A OR Z)

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

087



747

# PowerScape

## GameTime

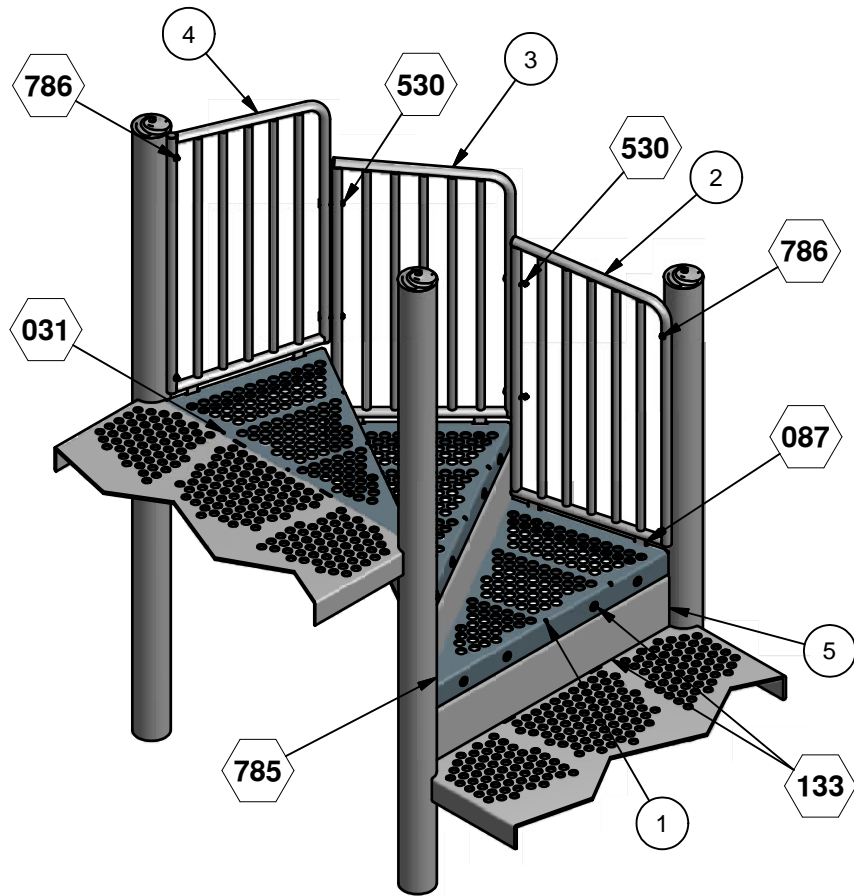
A PLAYCORE Company

1-800-235-2440

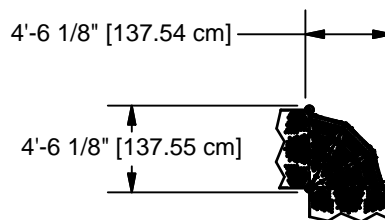
ISSUED/REVISED: 08/20/13

# 91199 SPIRAL STAIRS REVERSE

- ⬡ = INSTALLATION  
DETAIL
- = PARTS LIST  
REFERENCE



**ASSEMBLY VIEW**



**TOP VIEW**

### **INSTALLATION INSTRUCTIONS**

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	COATED STEP	3	200093
2	LOWER BARRIER WELD ASS'Y	1	207002
3	MIDDLE BARRIER WELD ASS'Y	1	207005
4	UPPER BARRIER WELD ASS'Y	1	206992
5	KICK PLATE	3	139253
	<b>HARDWARE COMPLETE</b>	1	207038
	3/8" x 3/4" P.B.H.C.S. w/PATCH	10	812052
	3/8" x 1" P.B.H.C.S. w/PATCH	24	812050
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	3	812053
	3/8" x 2" P.B.H.C.S. w/PATCH	4	812055
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	4	812057
	3/8" LOCKWASHER	45	817334
	3/8" FLAT WASHER	7	817410
	3/8" FLAT WASHER (1 1/4" O.D.)	34	817424
	3/8" T-NUT	14	804556
	3/8" HEX NUT	24	804053

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

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

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

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

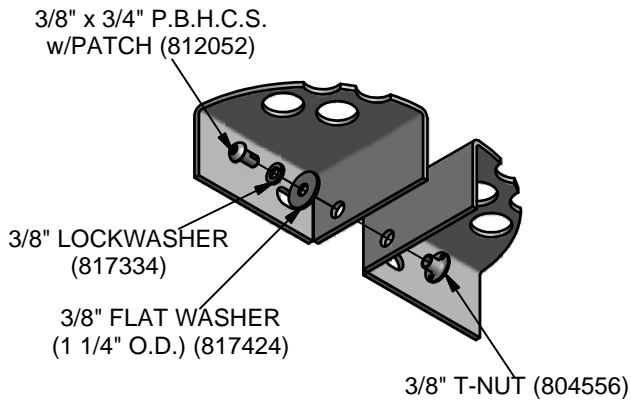
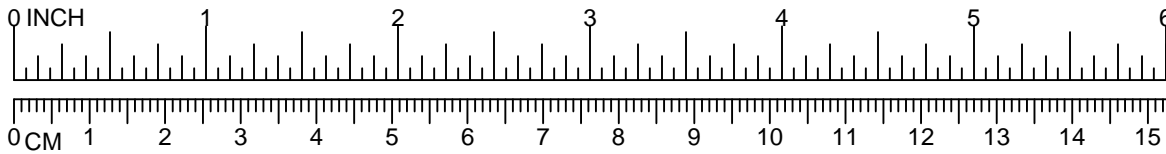
# DETAILS -for- 91199

**IMPORTANT**

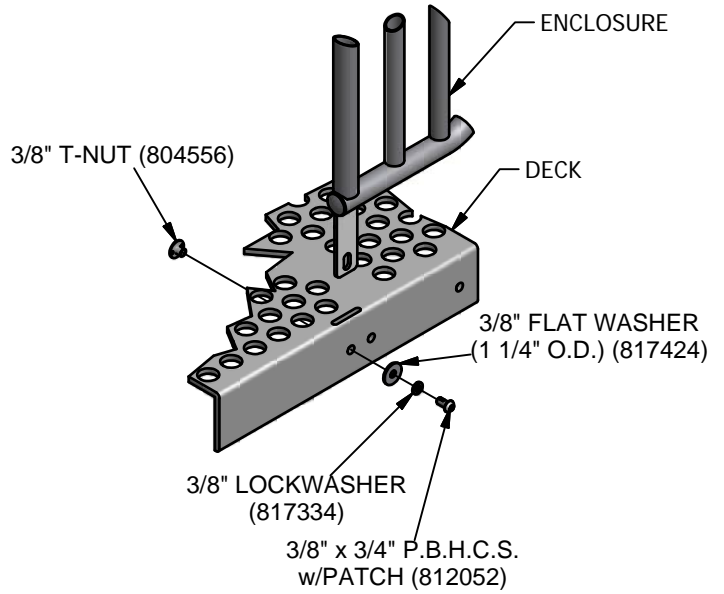
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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

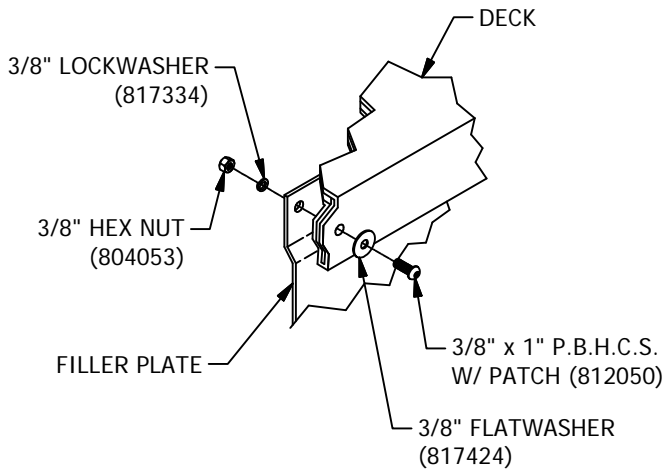
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



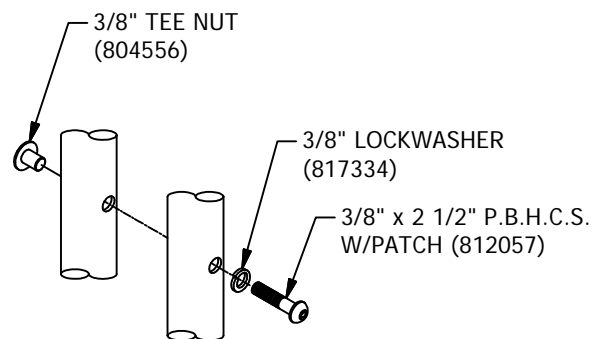
031



087



133



530



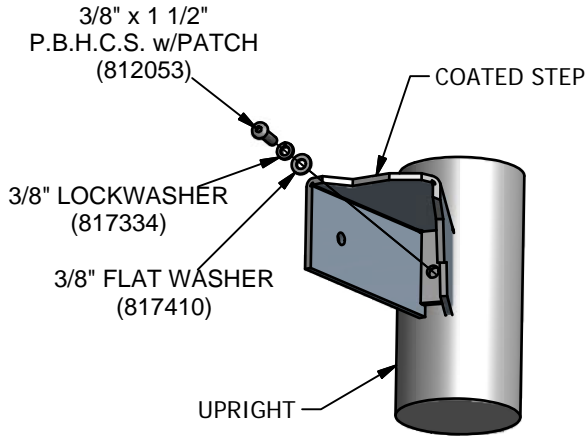
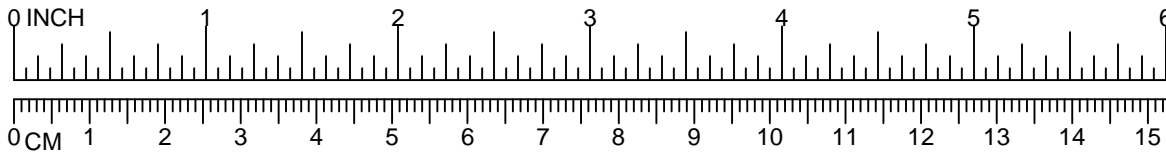
# DETAILS -for- 91199

**IMPORTANT**

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

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

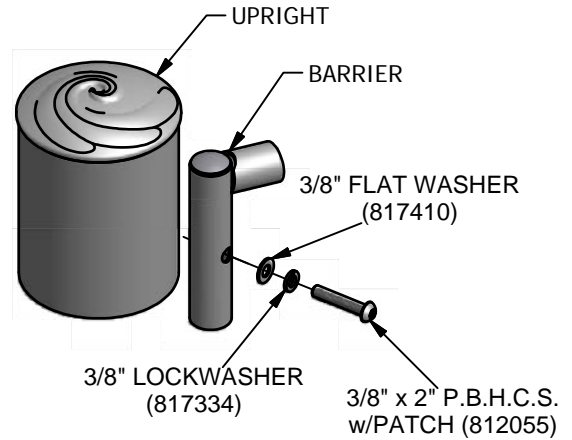
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

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

785



786

# PowerScape®

## GameTime®

A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 10/18/13

# 91208 CLIMBER ENTRYWAY

⬡ = INSTALLATION  
= DETAIL

○ = PARTS LIST  
= REFERENCE

**GUARDRAIL 91208**  
**BARRIER 91209**



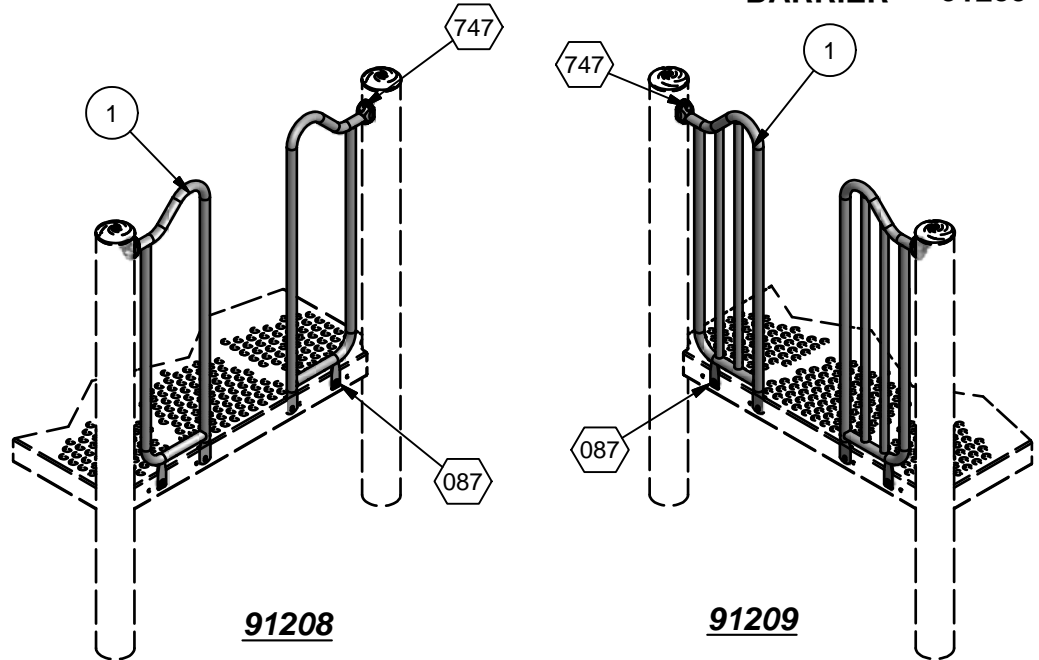
91208  
2'-6"  
OR  
BELOW



91209



91208  
4'-0"  
OR  
BELOW

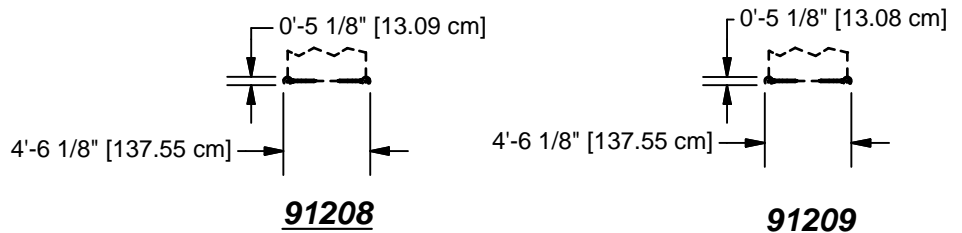


### ASSEMBLY VIEWS

### 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
	<b>HARDWARE COMPLETE</b>	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.**

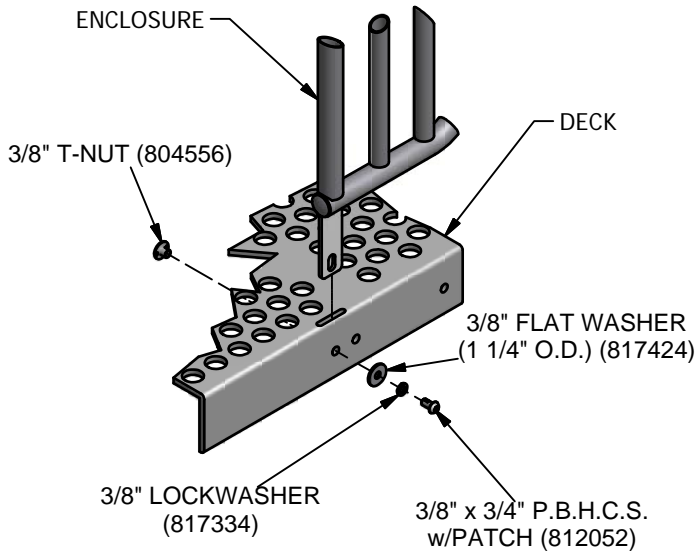
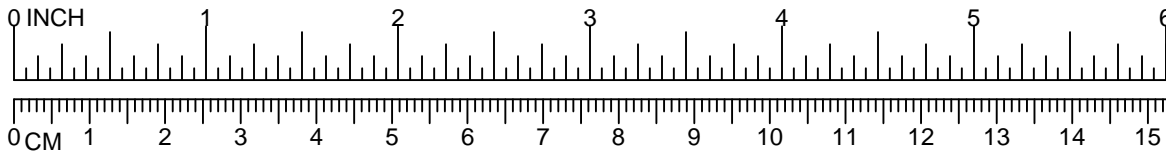
# DETAILS -for- 91208 AND 91209

## 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.

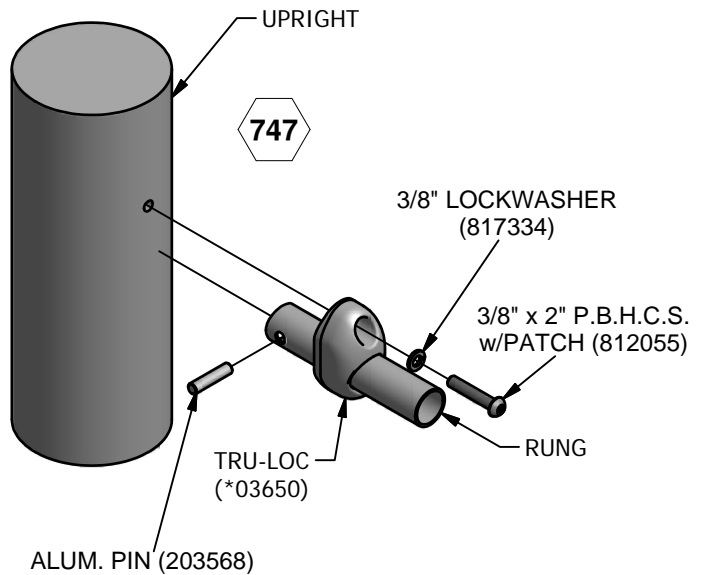
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

087

(\* = A OR Z)



# PowerScape®

## GameTime®

A PLAYCORE Company

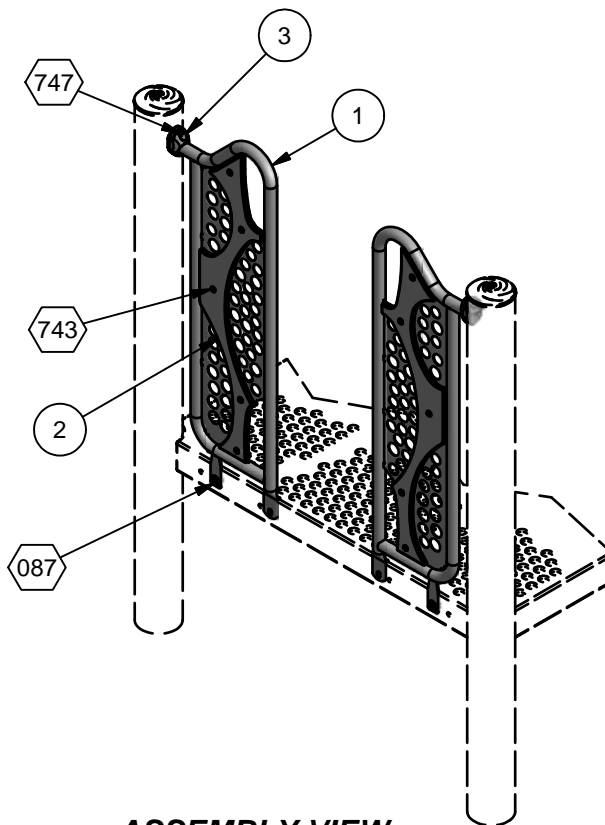
1-800-235-2440

ISSUED/REVISED: 10/18/13

# 91210 CLIMBER ENTRYWAY 3D

⬡ = INSTALLATION  
DETAIL

○ = PARTS LIST  
REFERENCE

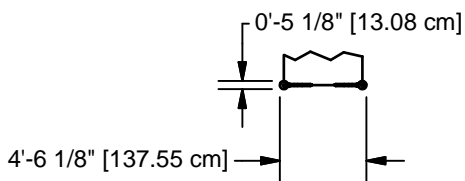


**ASSEMBLY VIEW**

### **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**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	3D ENTRYWAY	2	206488
2	ENTRYWAY TRIM	2	206492
3	TRU-LOC	2	A03650
	<b>HARDWARE COMPLETE</b>	1	207040
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" T-NUT	2	804556*
	3/8" LOCKWASHER	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	ALUM. PIN	2	203568*
	1/4" FLAT WASHER (5/8" O.D.)	10	817408*
	1/4" CHERRY-MATE RIVET	10	135499*

*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.**

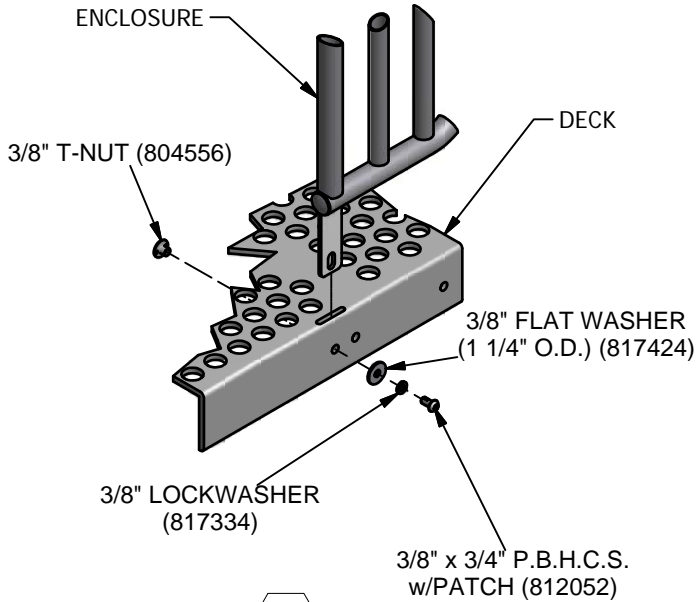
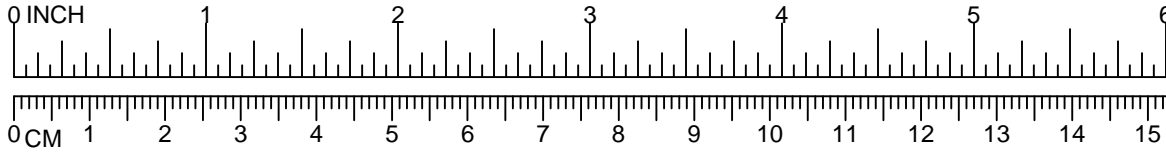
# DETAILS -for- 91210

**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.

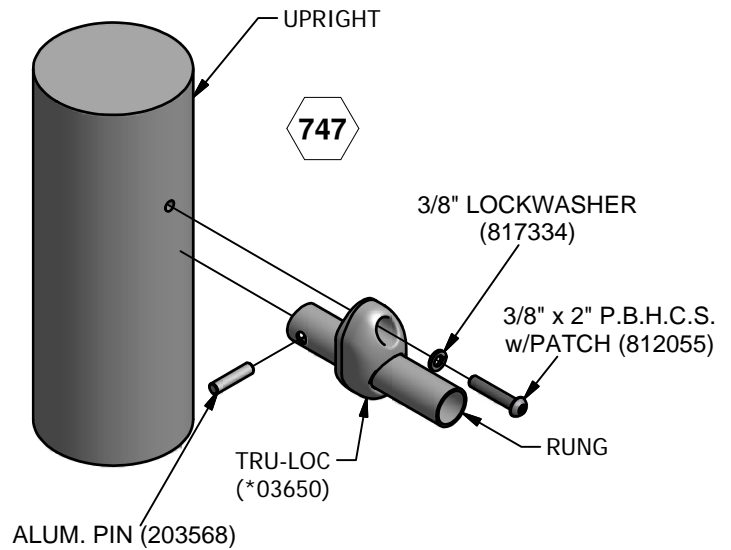
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



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

087

(\* = A OR Z)



747

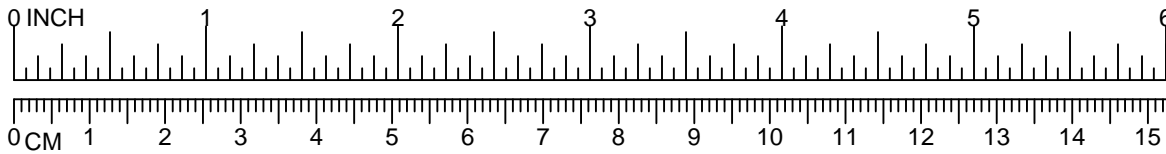
# DETAILS -for- 91210

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.

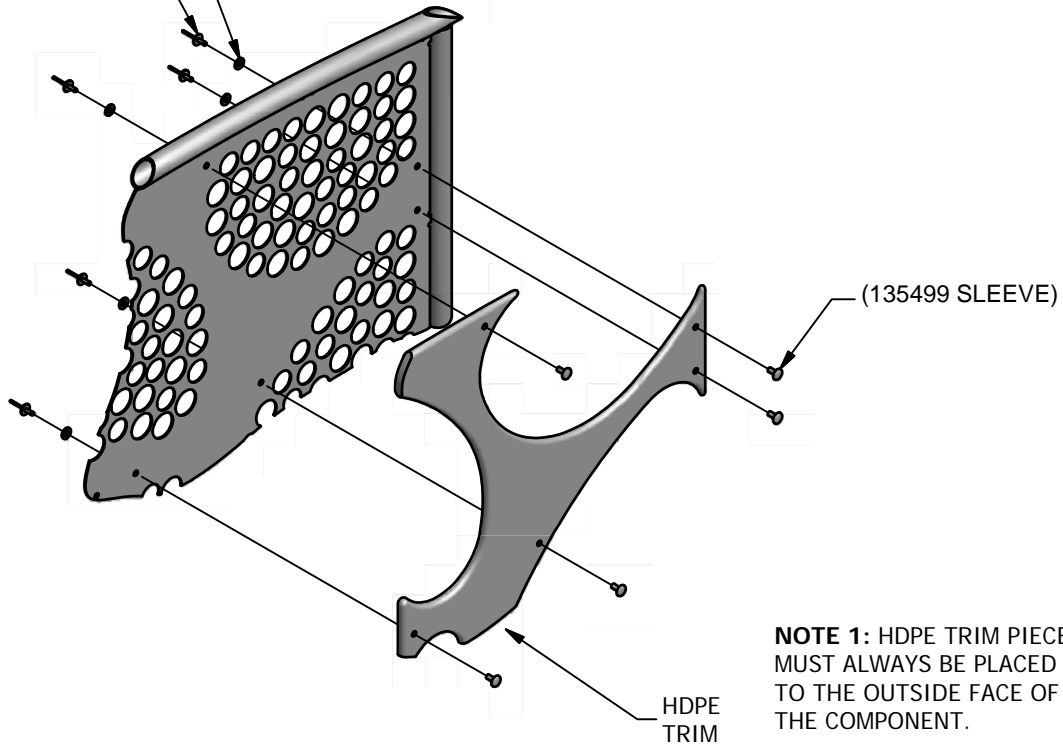
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



1/4" FLAT WASHER  
(5/8" O.D.) (817408)

(135499 STEM)





743

**NOTE 1:** HDPE TRIM PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

**NOTE 2:** STEM SIDE OF RIVET MUST ALWAYS BE ON METAL SIDE OF THE COMPONENT. FLUSH SIDE OF RIVET MUST ALWAYS BE ON THE HDPE SIDE OF COMPONENT.



-  INSTALLATION  
= DETAIL
-  PARTS LIST  
= REFERENCE

**FOR SENSOR LOCATION, REFER TO ORDER TOP VIEW**

**NOTES:** ALL OPENINGS ON  
PANEL MUST BE FILLED  
WITH A SENSOR BEFORE  
PLAYGROUND IS  
OPERATIONAL.

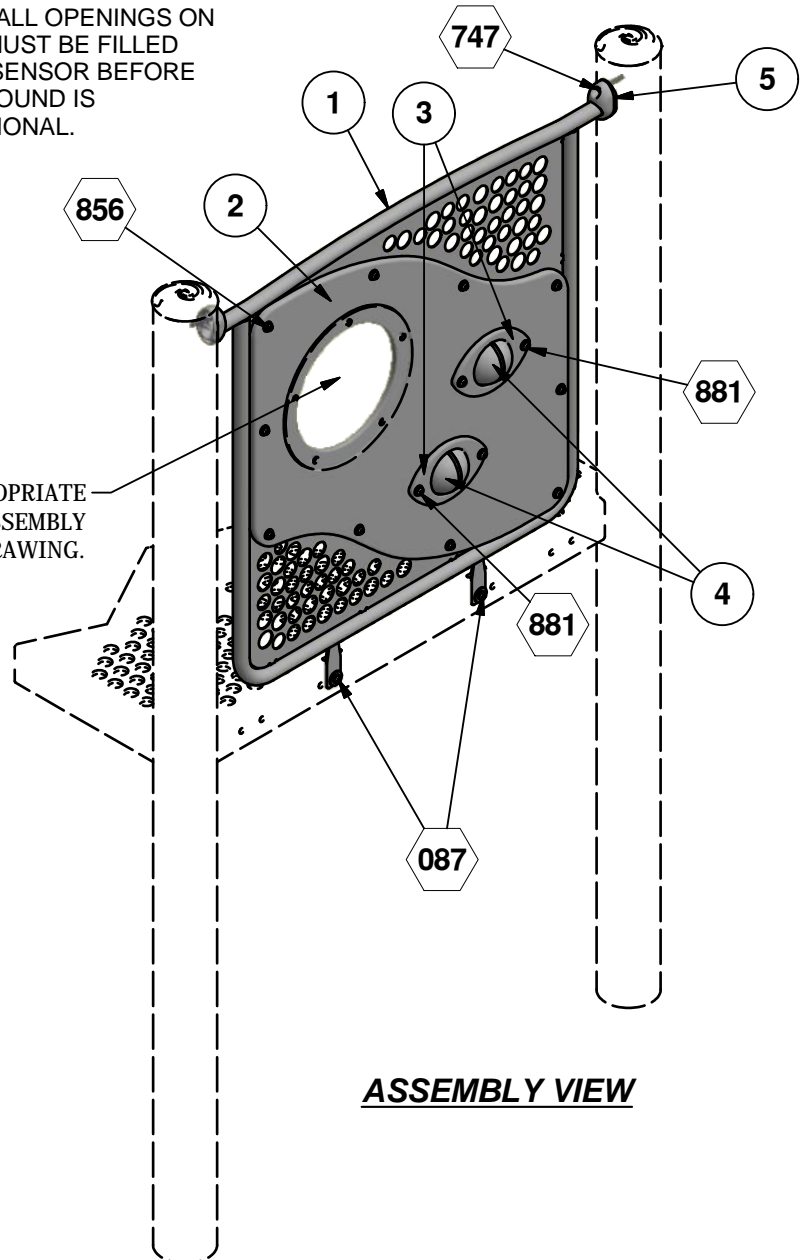


UP TO 5'-0"  
DECK HEIGHTS



ALL  
DECK HEIGHTS

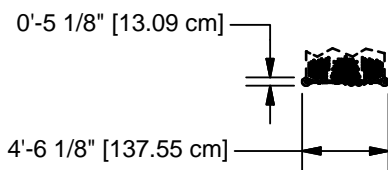
SEE APPROPRIATE  
SENSOR ASSEMBLY  
DRAWING.



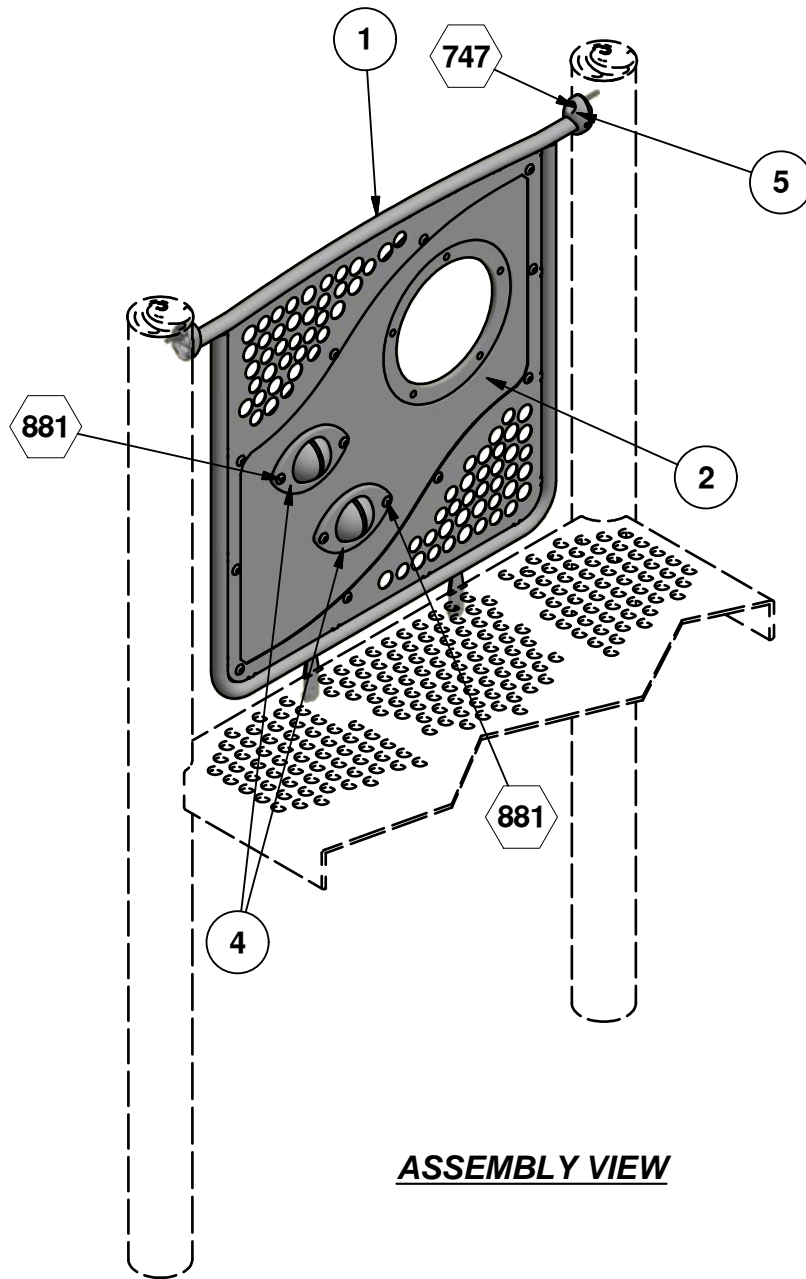
**ASSEMBLY VIEW**

### **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**



**ASSEMBLY VIEW**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	SENSORY WAVE PANEL WELD ASS'Y	1	211587
2	HDPE PANEL	1	212758
3	SPIN CHIME COVER	4	212756
4	SPIN CHIME BELL ASS'Y	2	213177
5	TRU-LOC	2	A03650
	<b>HARDWARE COMPLETE</b>	1	211598
	3/8" x 3/4" P.B.H.C.S. w/PATCH	12	812052*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	6	812053*
	3/8" BARREL NUT	14	804804*
	3/8" FLAT WASHER	15	817410*
	3/8" LOCK WASHER	18	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	ALUM. PIN	2	203568*

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

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

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

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

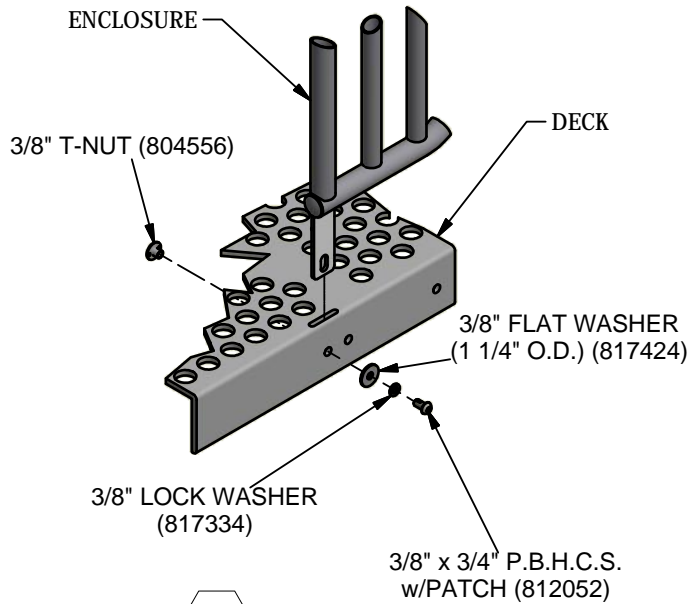
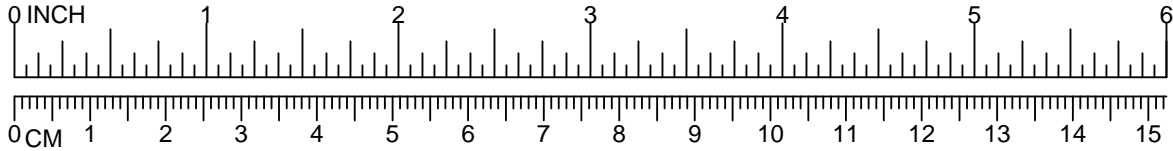
# DETAILS -for- 91364

**IMPORTANT**

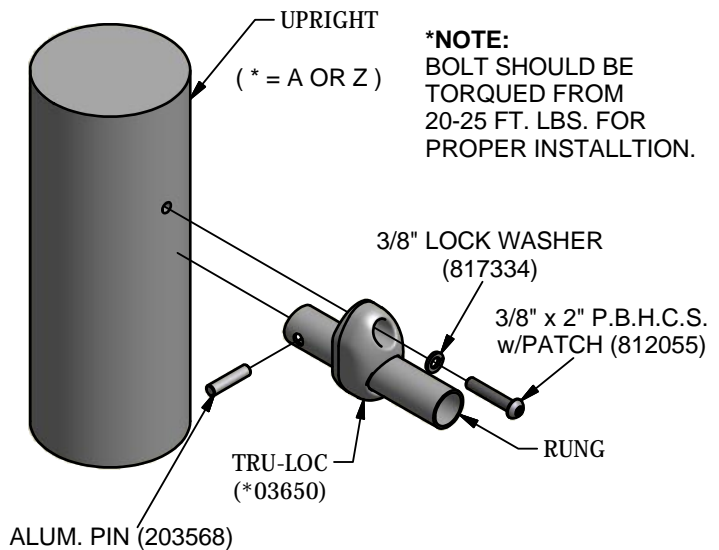
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



087



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

747

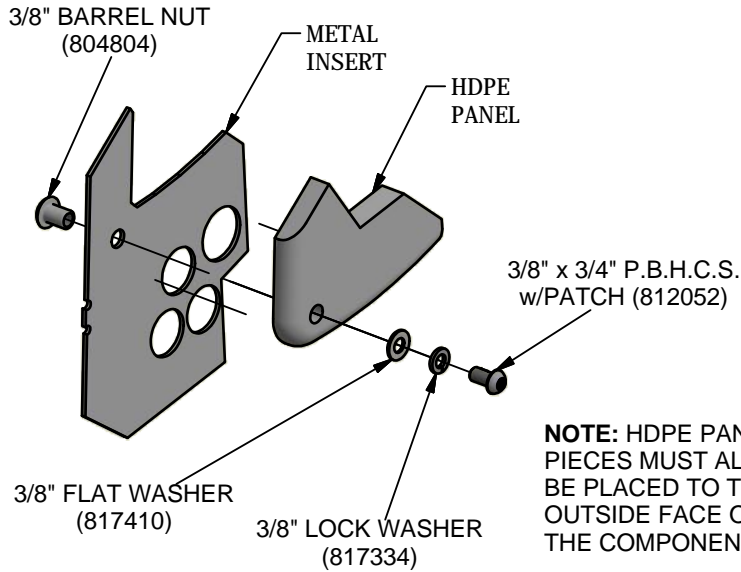
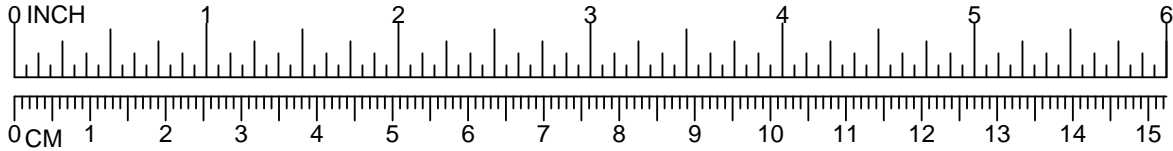
# DETAILS -for- 91364

**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.

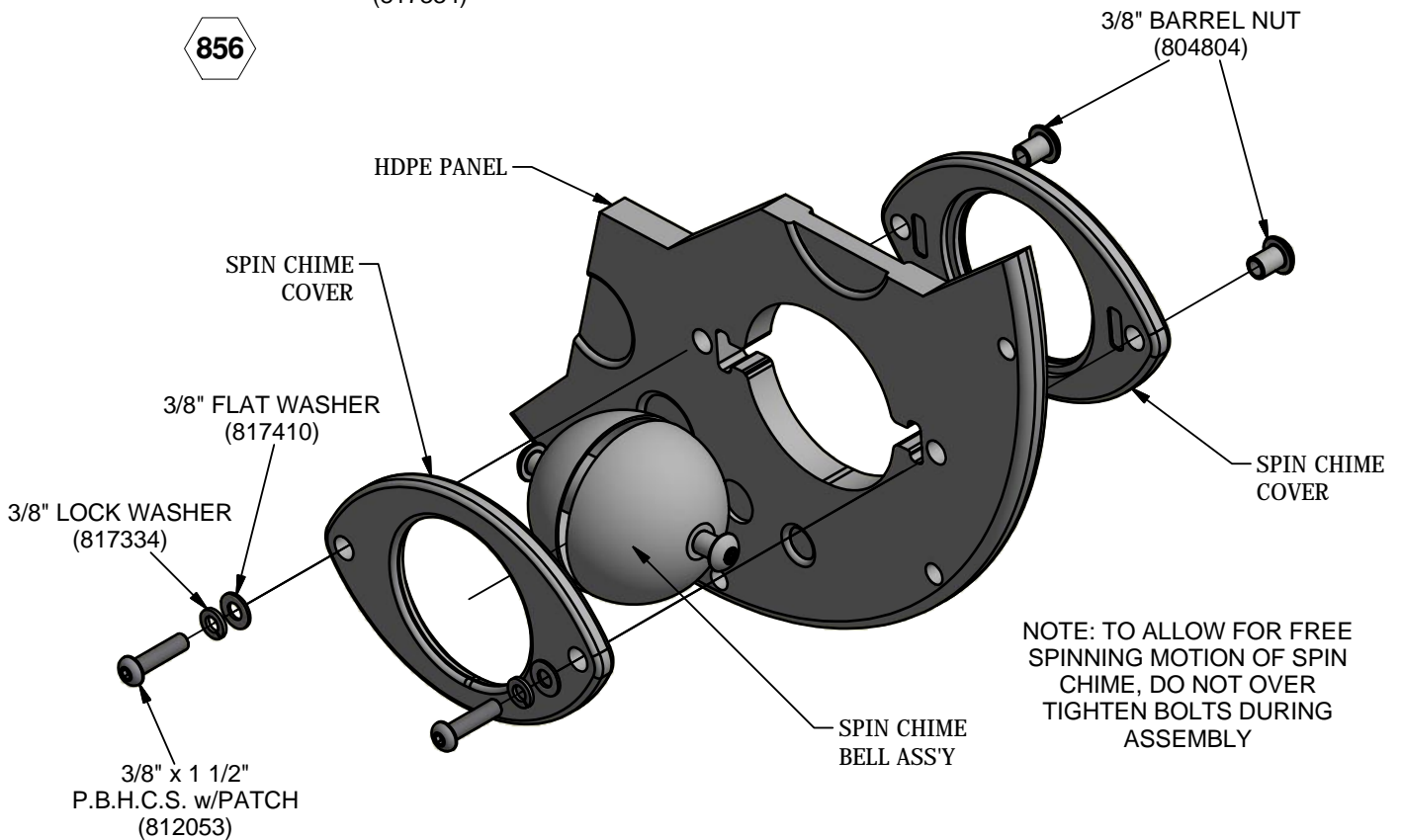
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



**NOTE:** HDPE PANEL PIECES MUST ALWAYS BE PLACED TO THE OUTSIDE FACE OF THE COMPONENT.

856



**NOTE:** TO ALLOW FOR FREE SPINNING MOTION OF SPIN CHIME, DO NOT OVER TIGHTEN BOLTS DURING ASSEMBLY

881





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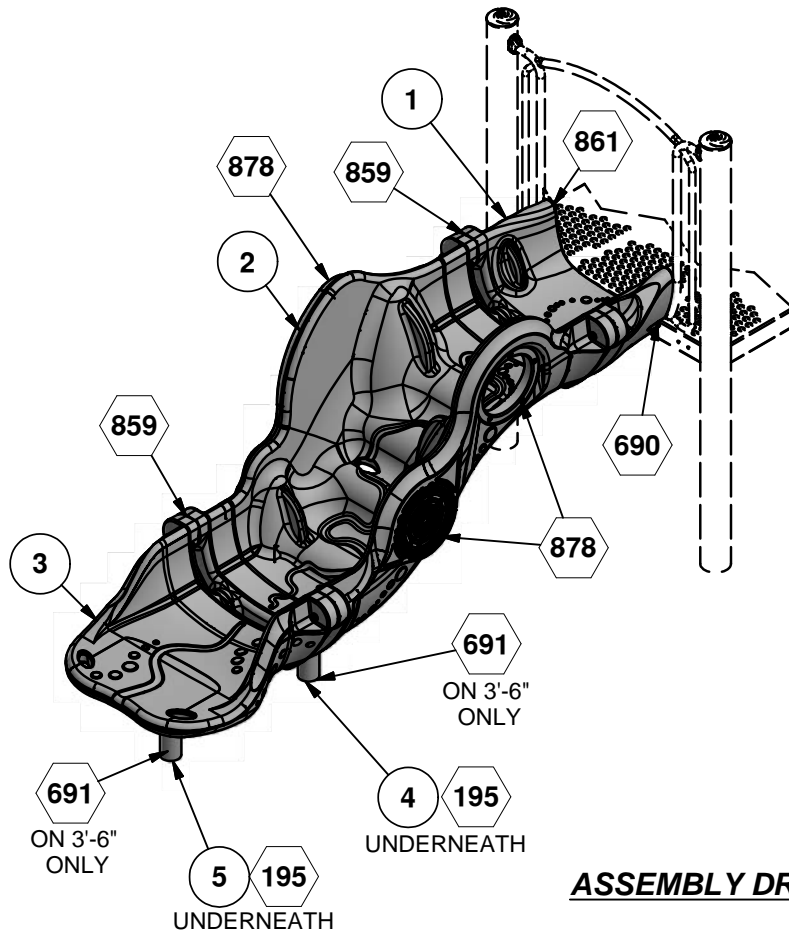
1-800-235-2440

ISSUED/REVISED: 10/3/2016

## SENSORY WAVE CLIMBER UP & ON

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

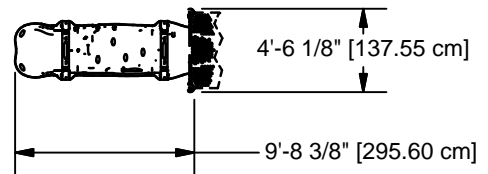
SENSORY WAVE CLIMBER UP & ON	91374
SENSORY WAVE CLIMBER UP & ON BRONZE	4668
SENSORY WAVE CLIMBER UP & ON SILVER	4669
SENSORY WAVE CLIMBER UP & ON GOLD	4670



**ASSEMBLY DRAWING**

### **INSTALLATION INSTRUCTIONS**

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



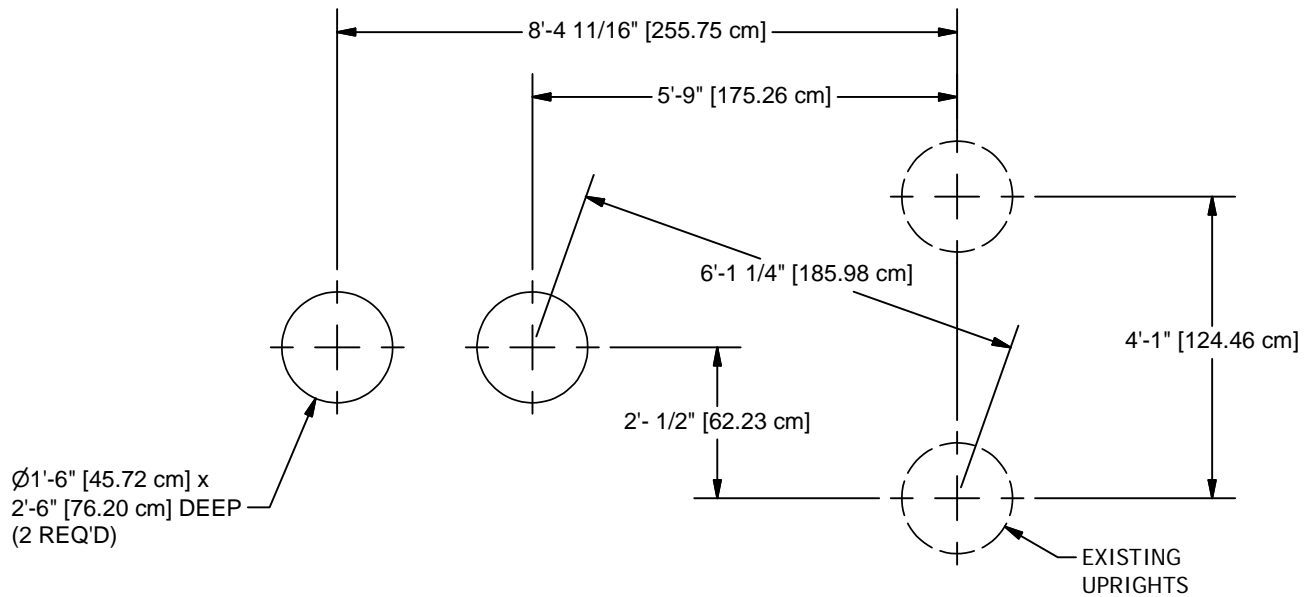
**TOP VIEW**

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	WAVE DECK COUPLER	1	211614
2	WAVE ARCH	1	211610
3	WAVE END TRANSFER	1	211613
4	FOOTBUCK WELD ASS'Y	1	211712
5	FOOTBUCK WELD ASS'Y	1	211716
	<b>HARDWARE COMPLETE</b>	1	211943
	3/8" x 3/4" P.B.H.C.S. w/PATCH	4	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	6	812054*
	3/8" x 4" HEX HEAD BOLT	2	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	8	812078*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	14	817424*
	3/8" BARREL NUT	8	804804*
	3/8" LOCKWASHER	18	817334*
	3/8" HEX NUT	2	804053*
	EXTENSION PIPE	2	211801*
	DOMED PLUG	18	818379*

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

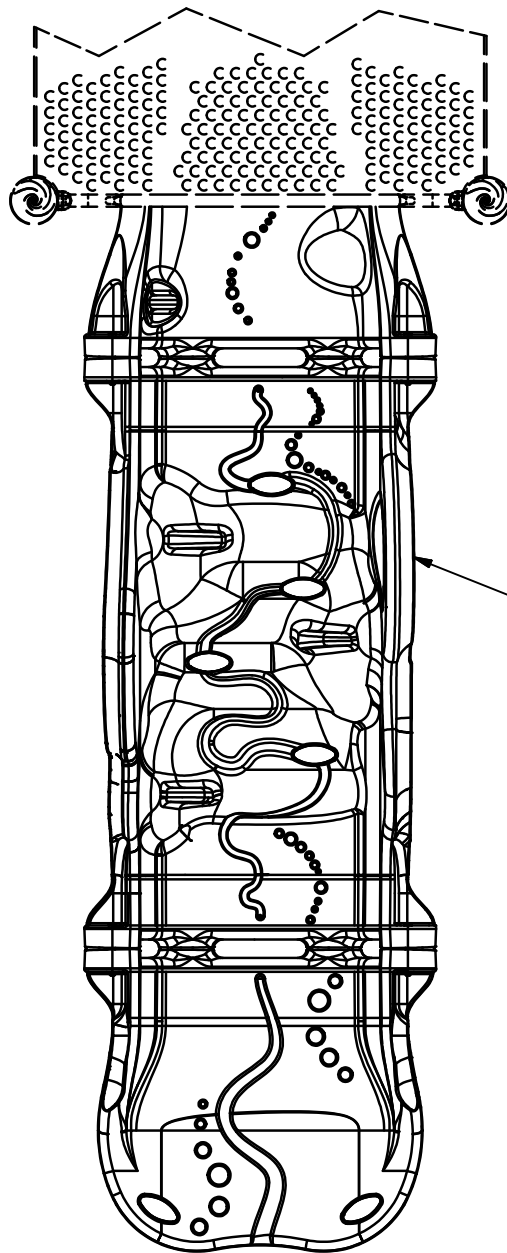
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location.**

**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

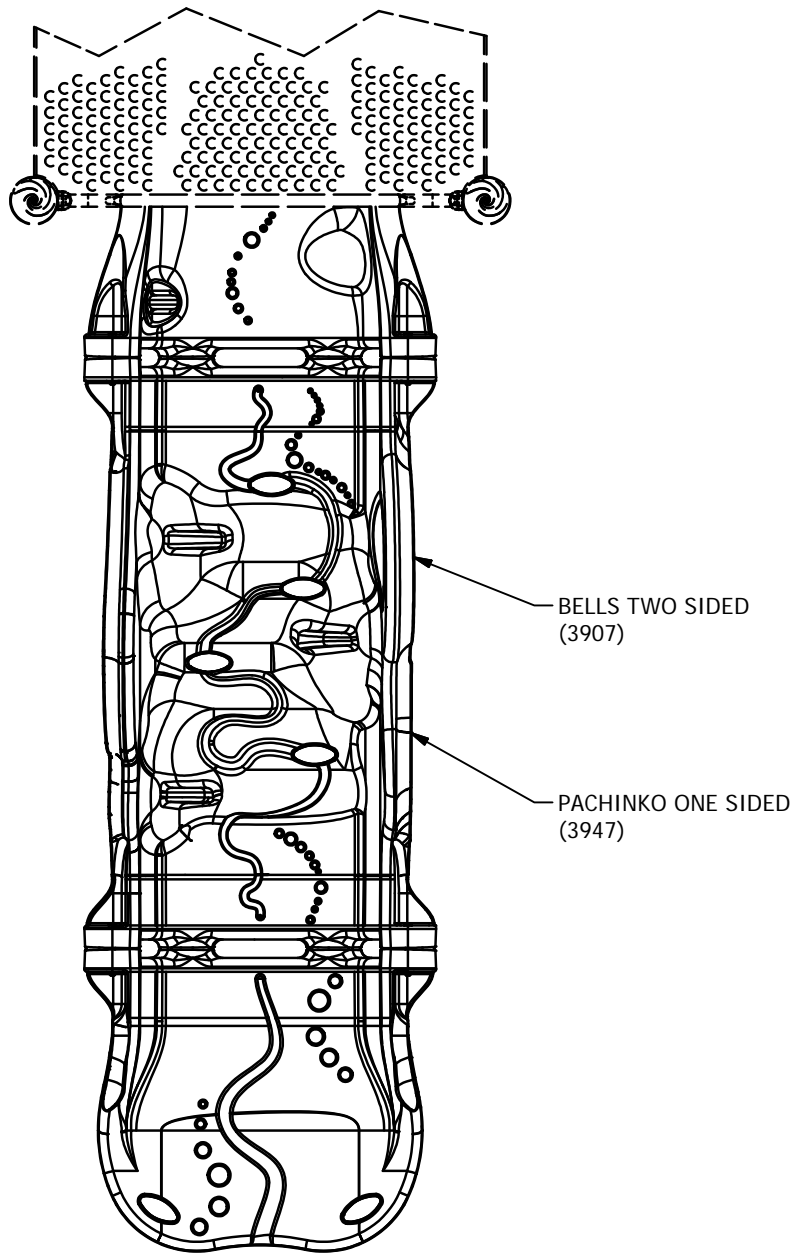
**CONCRETE REQUIRED:**  
.20 CUBIC YARDS  
[.15 CUBIC METERS]



BELLS TWO SIDED  
(3907)

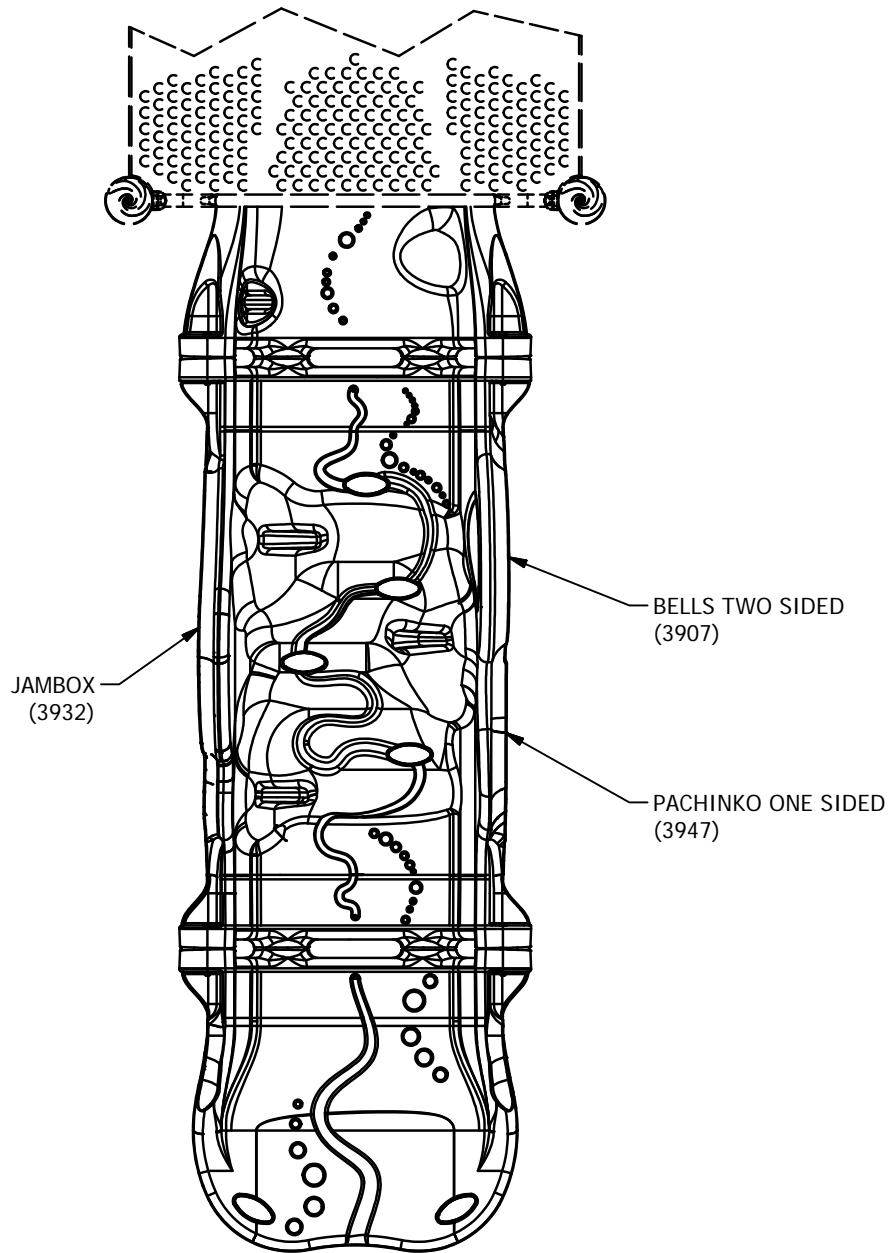
**BRONZE PACKAGE SHOWN**  
4668





**SILVER PACKAGE SHOWN**

4669



**GOLD PACKAGE SHOWN**  
4670

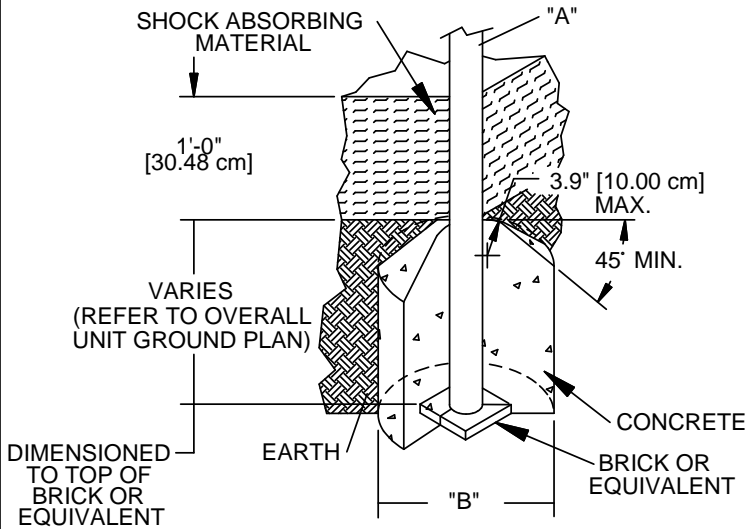
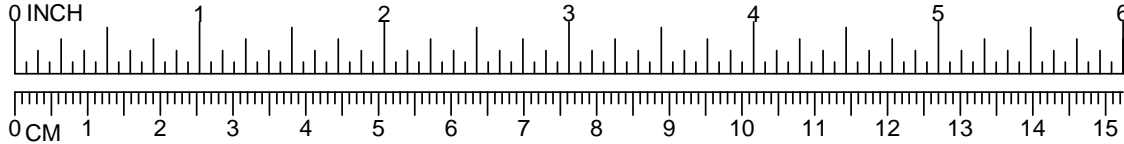
# DETAILS -for- 91374

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.



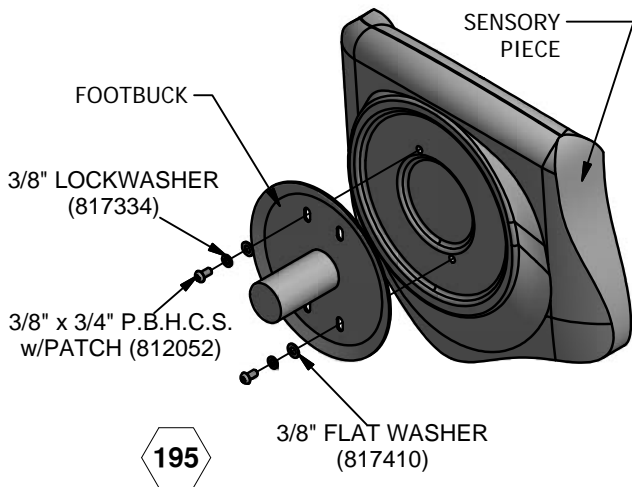
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

**NOTES:**

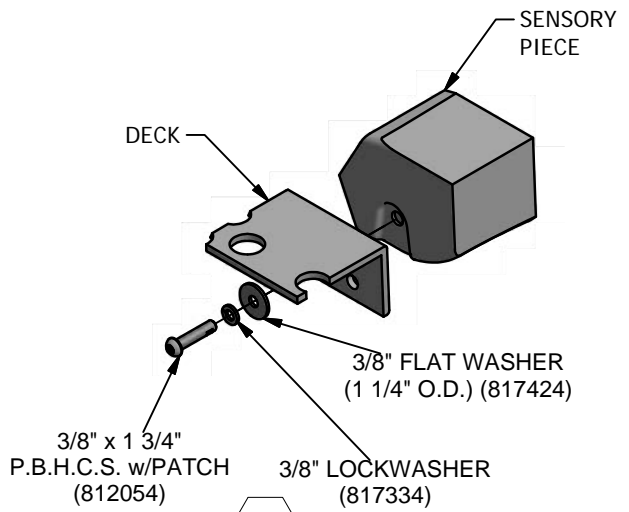
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

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.



195



690

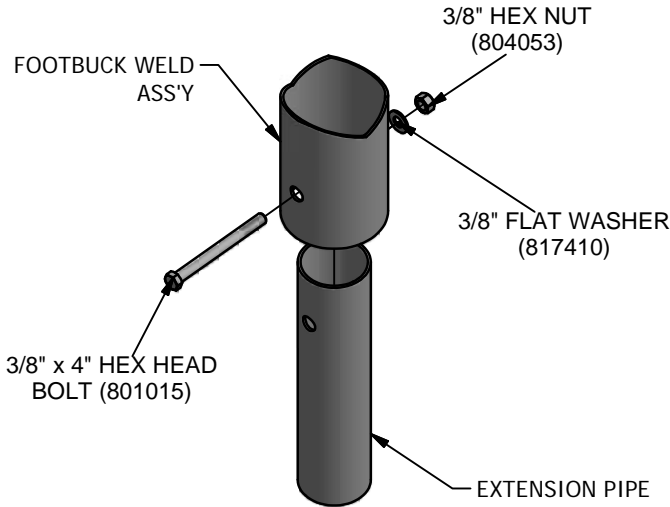
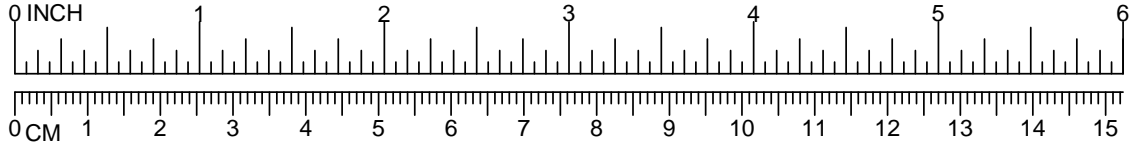
# DETAILS -for- 91374

IMPORTANT

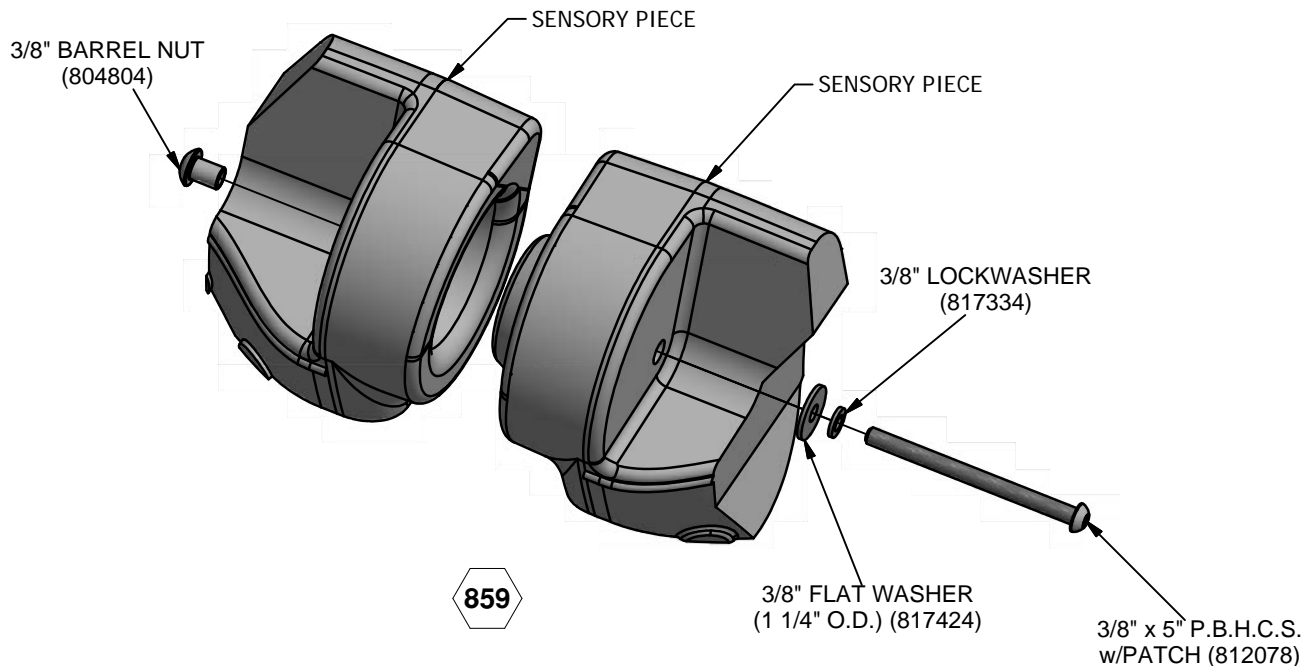
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



691



859

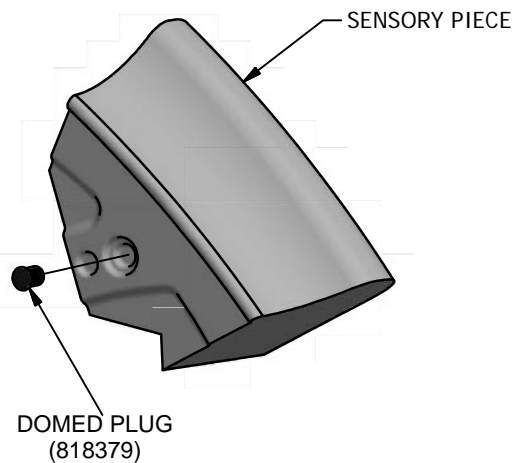
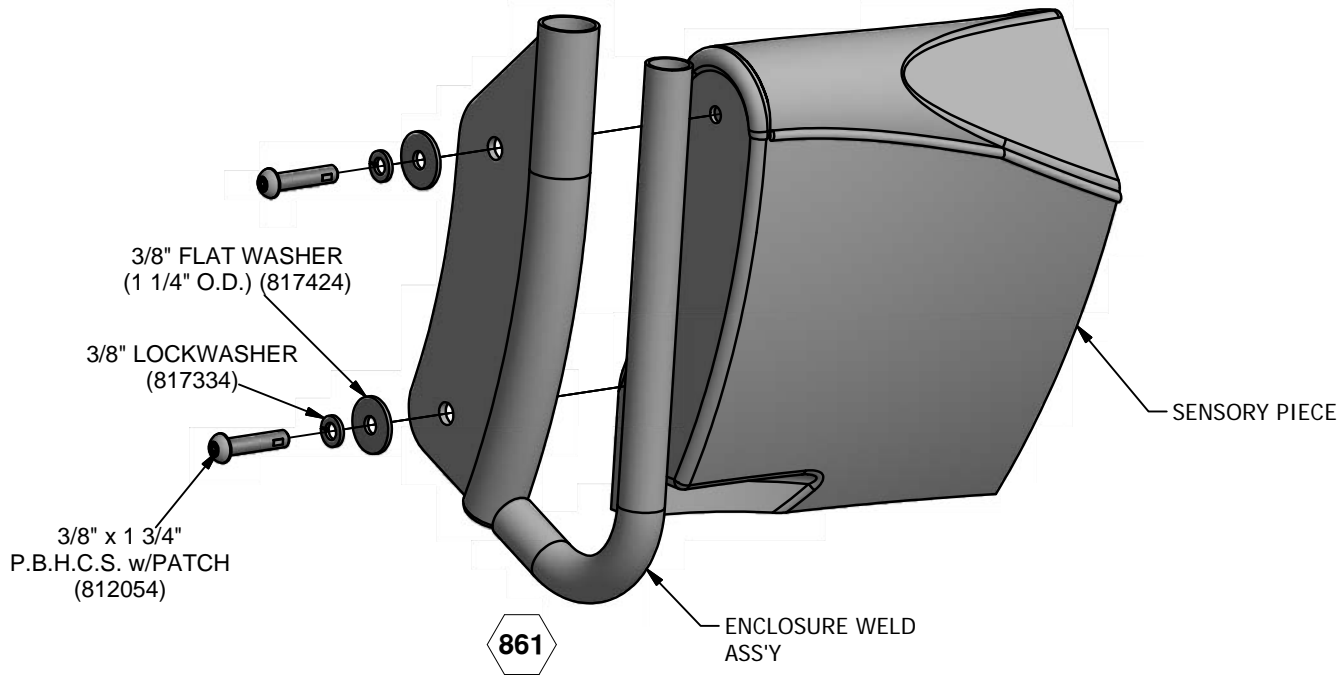
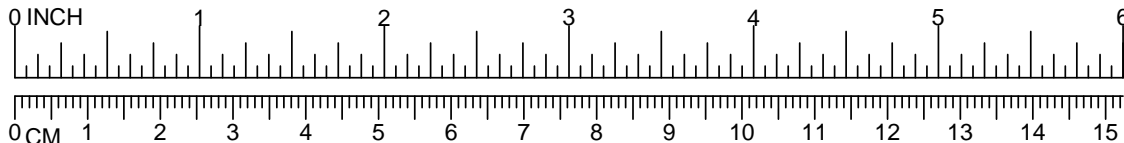
# DETAILS -for- 91374

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.



878





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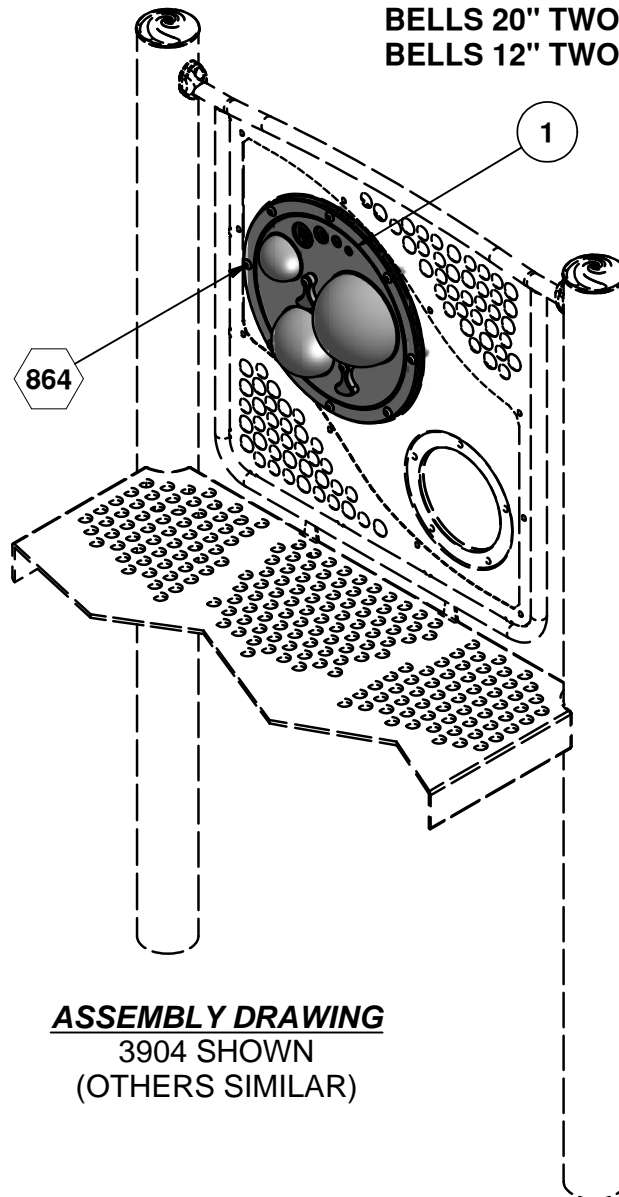
3904

BELLS

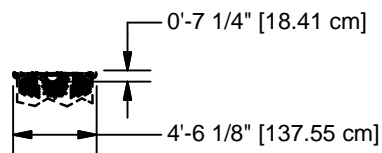
ISSUED/REVISED: 10/3/2016

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

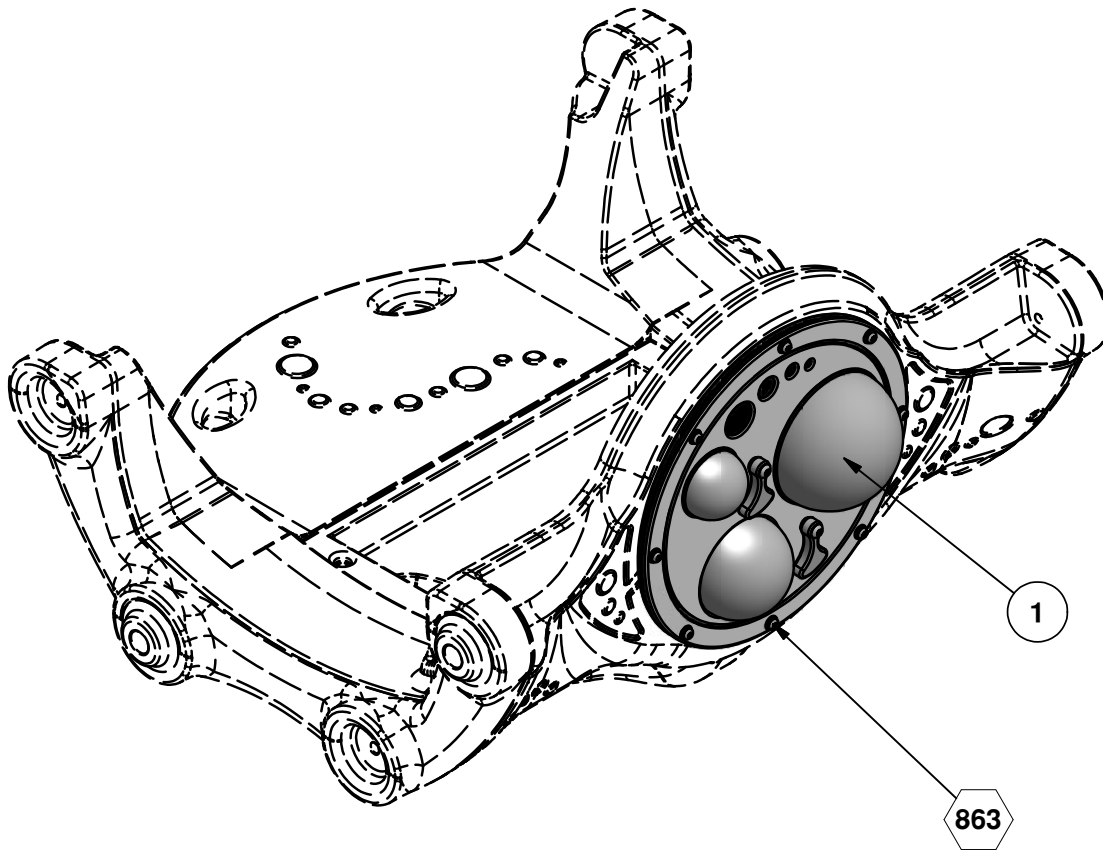
BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907



**ASSEMBLY DRAWING**  
 3904 SHOWN  
 (OTHERS SIMILAR)



**TOP VIEW**



**3904 ROTOMOLD APPLICATION**

Parts List						
REF.	DESCRIPTION	3904	3905	3906	3907	PART NUMBER
1	20" BELL ASS'Y ONE SIDED	1	0	0	0	212168
2	12" BELL ONE SIDED	0	1	0	0	212186
3	20" BELL TWO SIDED	0	0	1	0	212183
4	12" BELL TWO SIDED	0	0	0	1	212188
	<b>HARDWARE COMPLETE</b>	1	0	1	0	212190
	<b>HARDWARE COMPLETE</b>	0	1	0	1	212191
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
	3/8" BARREL NUT	8	5	8	5	804804*
	3/8" FLAT WASHER	8	5	8	5	817410*
	3/8" LOCKWASHER	8	5	8	5	817334*

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

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

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



## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Bells 3904, 3905, 3906 and 3907 per detail 864. When used on rotomold application, attach Bells 3904 and 3905 per detail 863.

## **SPECIFICATIONS**

**BELL:** Bells shall be all weld assemblies fabricated from formed 11 Ga. Steel, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and purchases machined stainless steel insert. The Bell weld assemblies shall be coated in TGIC polyester powder coating as specified herein.

**BELL PANEL:** The bell panel shall be fabricated from 3/4" high density polyethylene.

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

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

**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.

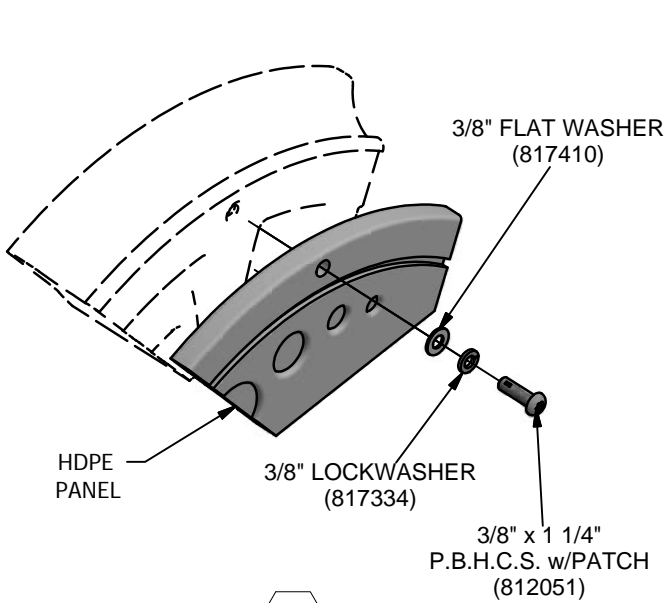
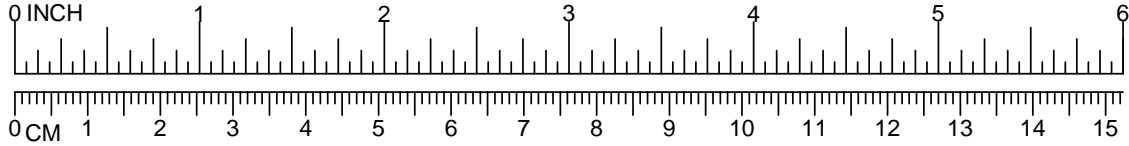
## DETAILS -for- 3904, 3905, 3906 & 3907

**IMPORTANT**

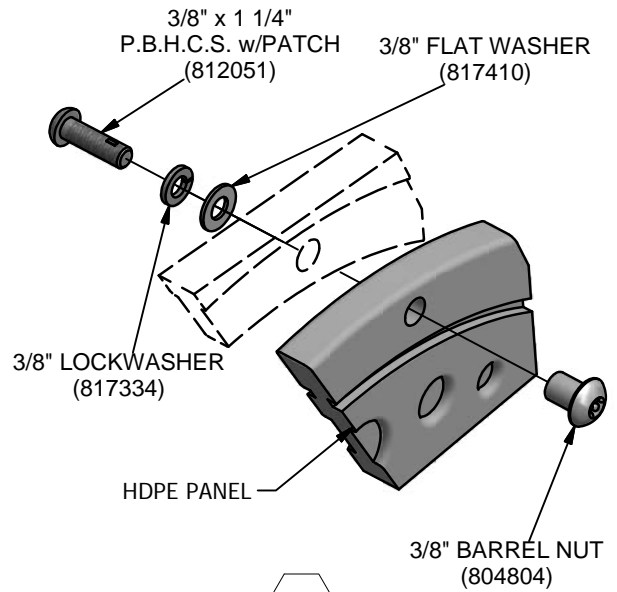
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



**863**



**864**





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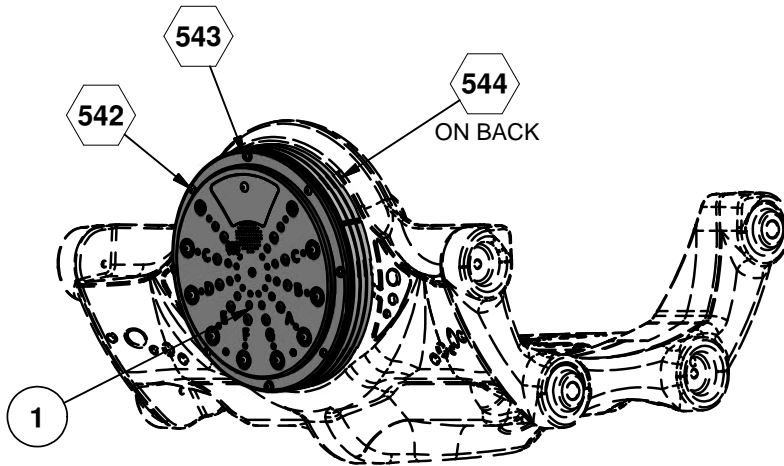
3932

# JAM BOX

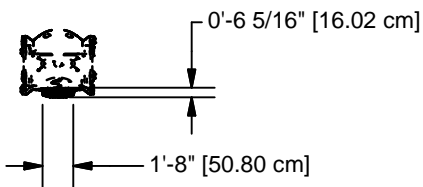
ISSUED/REVISED: 10/3/2016

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

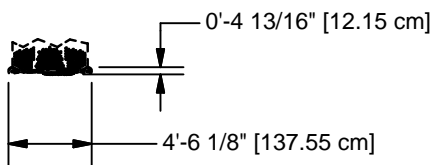
JAM BOX	3932
JAM BOX TWO SIDED	3933



**ASSEMBLY DRAWING**  
3932 SHOWN

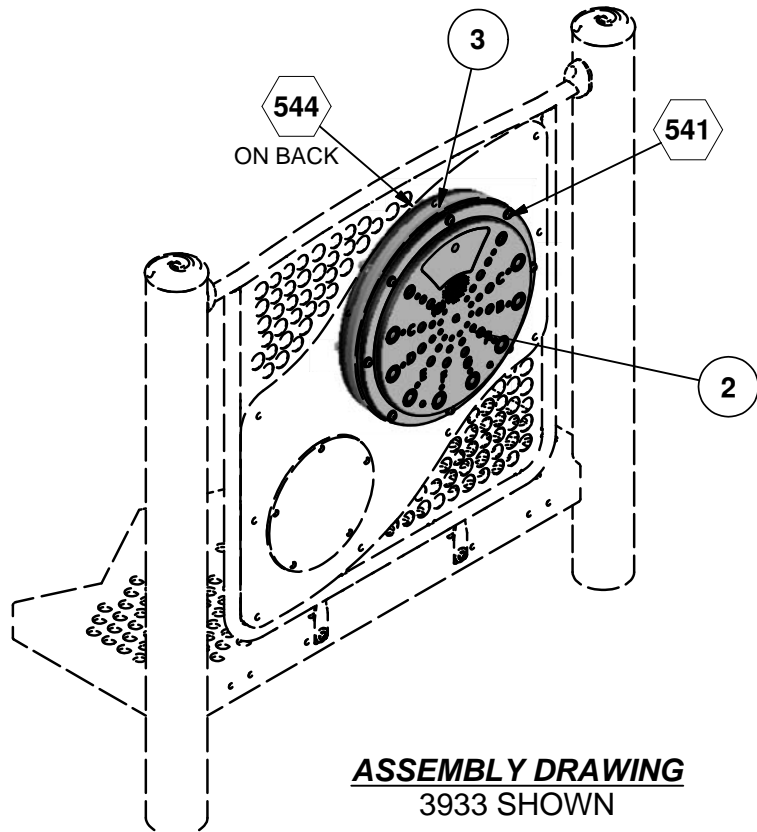


3932



3933

**TOP VIEW**



**ASSEMBLY DRAWING**  
3933 SHOWN



## 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.

Parts List				
REF	DESCRIPTION	3932	3933	PART NUMBER
1	JAM BOX ONE SIDED	1	0	212428
2	JAM BOX TWO SIDED	0	1	212417
3	SPACER	6	0	212416
	<b>HARDWARE COMPLETE</b>	1	0	212436
	<b>HARDWARE COMPLETE</b>	0	1	212437
	3/8" x 3" P.B.H.C.S. w/PATCH	4	0	812059*
	3/8" x 3 1/4" P.B.H.C.S. w/PATCH	0	8	812060*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076*
	3/8" LOCKWASHER	8	8	817334*
	3/8" FLAT WASHER	8	8	817410*
	3/8" T-NUT	4	0	804556*
	3/8" BARREL NUT	0	8	804804*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1.** Batteries supplied by others should be installed in water tight housing as per detail 544.

**STEP 2.** Jam Box 3933 panel shall be attached to mounting surface as per detail 541.

**STEP 3.** Jam Box 3932 panel shall be attached to HDPE Spacer rings per detail 542.

**STEP 4.** Jam Box 3932 should then be attached to mounting surface as per detail 543.

## **SPECIFICATIONS**

**JAM BOX PANEL:** The Jam Box panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within water tight low density polyethylene housing.

**HDPE SPACER RINGS:** The HDPE spacer rings shall be fabricated from 3/4" high density polyethylene

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

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

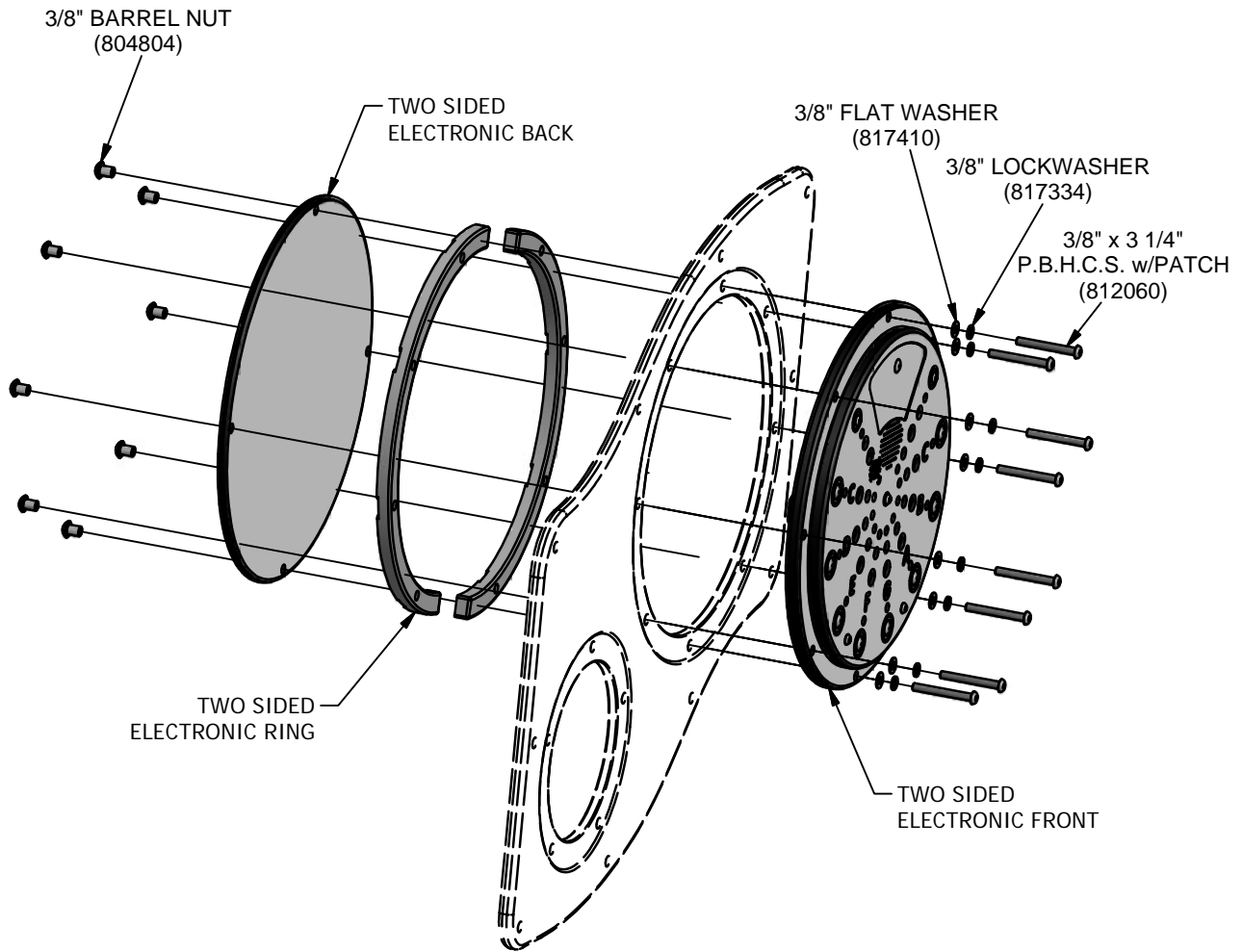
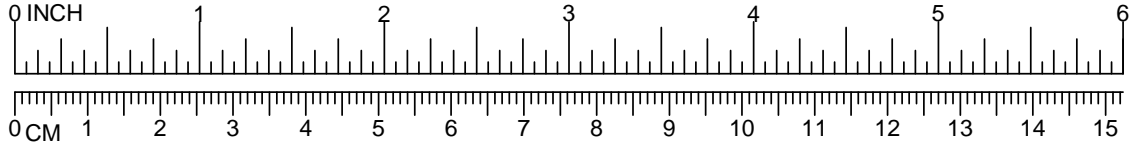
## DETAILS -for- 3932 AND 3933

**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.



541



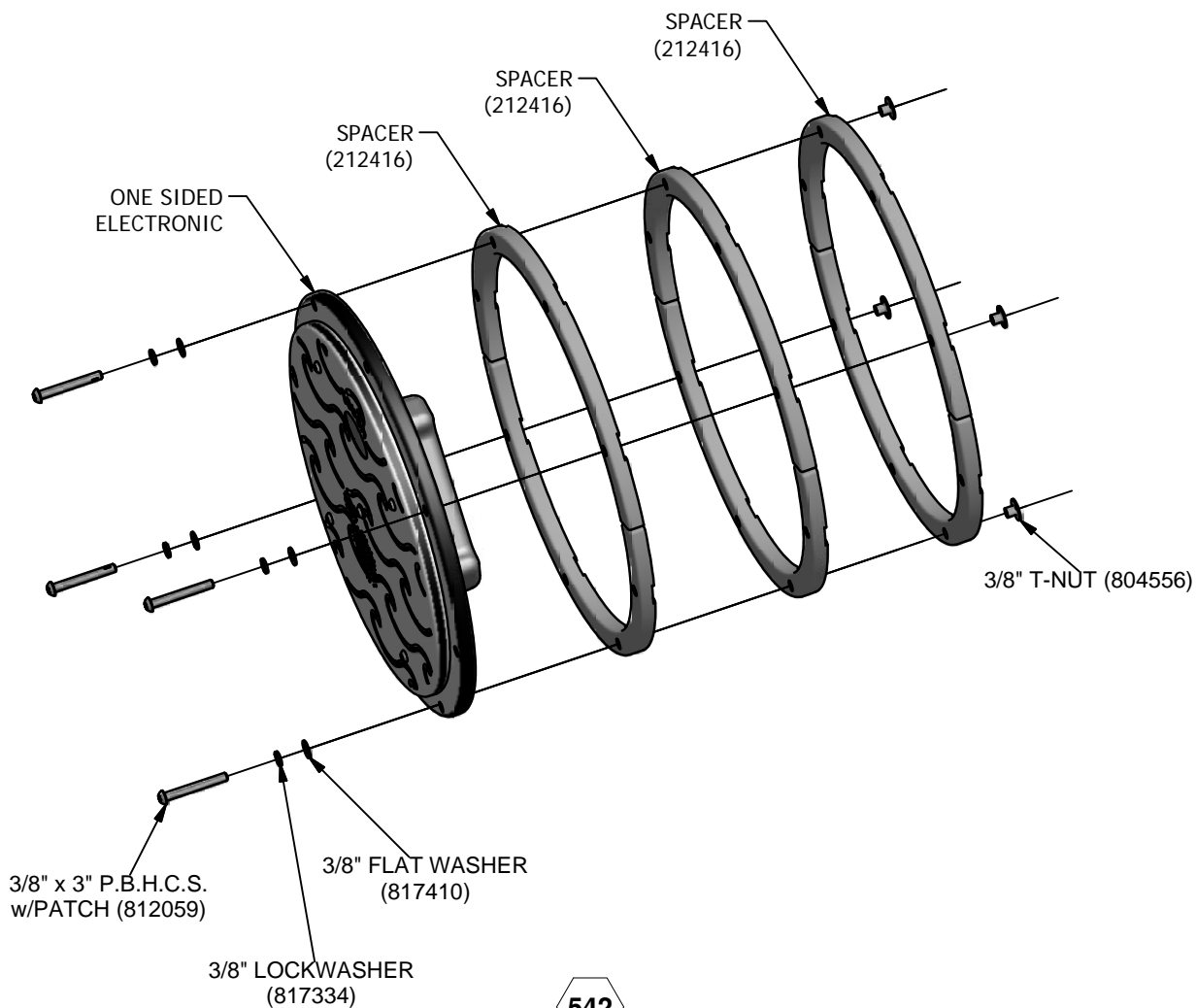
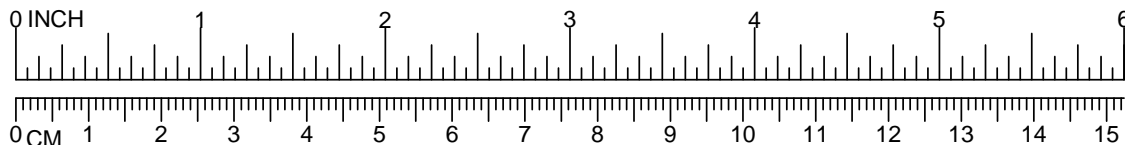
# DETAILS -for- 3932 AND 3933

## 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.



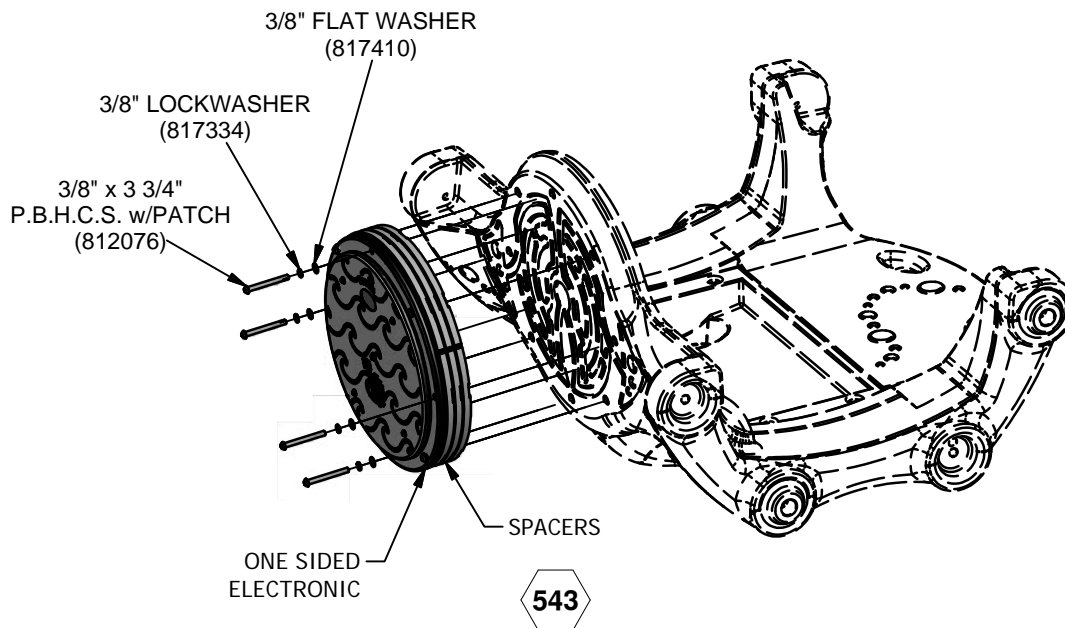
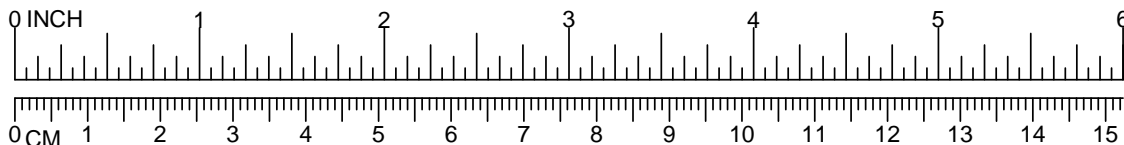
## DETAILS -for- 3932 AND 3933

### 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.

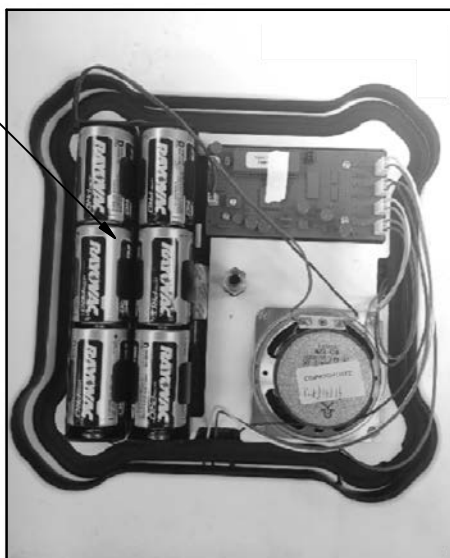
NOTE: LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.

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



543

BATTERY REPLACEMENT  
(6) D-CELL BATTERIES



TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOLL PROVIDED.

PLEASE CONSIDER OUR ENVIROMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.

544





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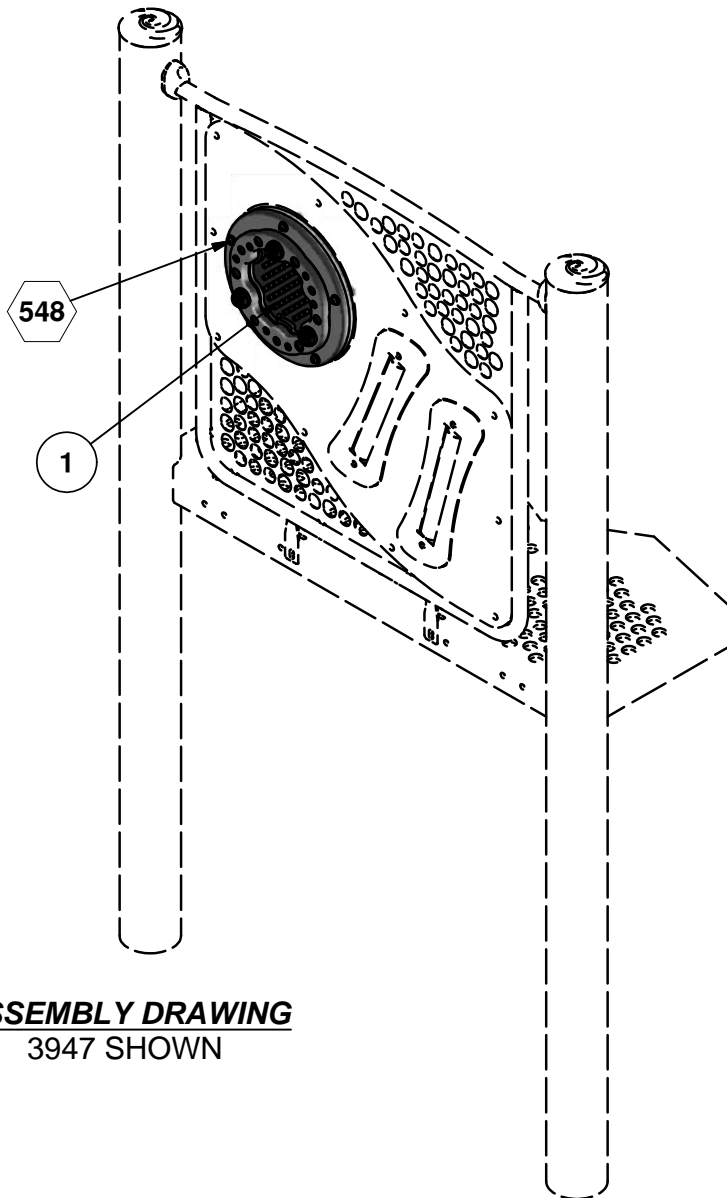
3947

# PACHINKO

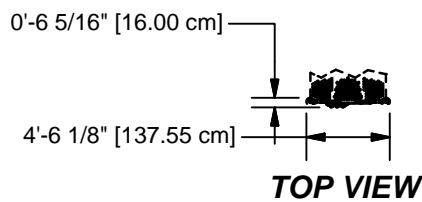
ISSUED/REVISED: 10/3/2016

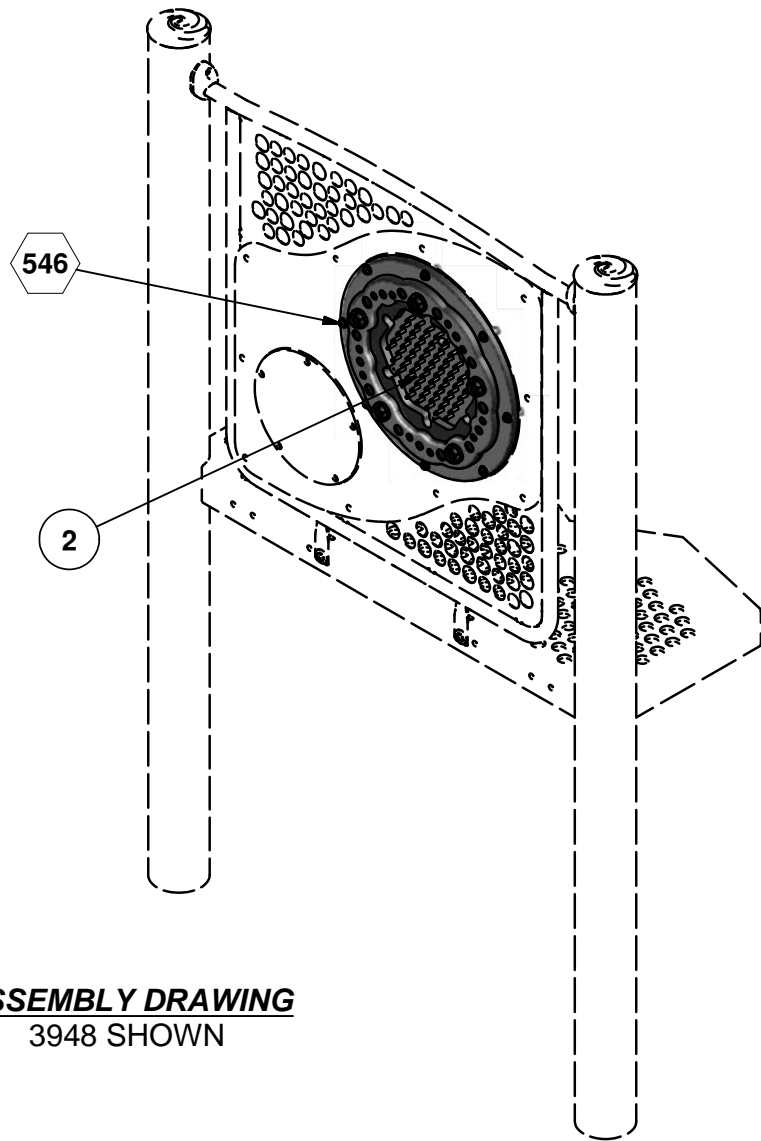
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

12" ONE SIDED	3947
20" TWO SIDED	3948
20" ONE SIDED	3949

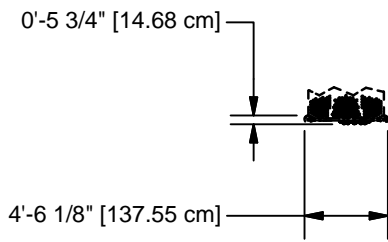


**ASSEMBLY DRAWING**  
3947 SHOWN

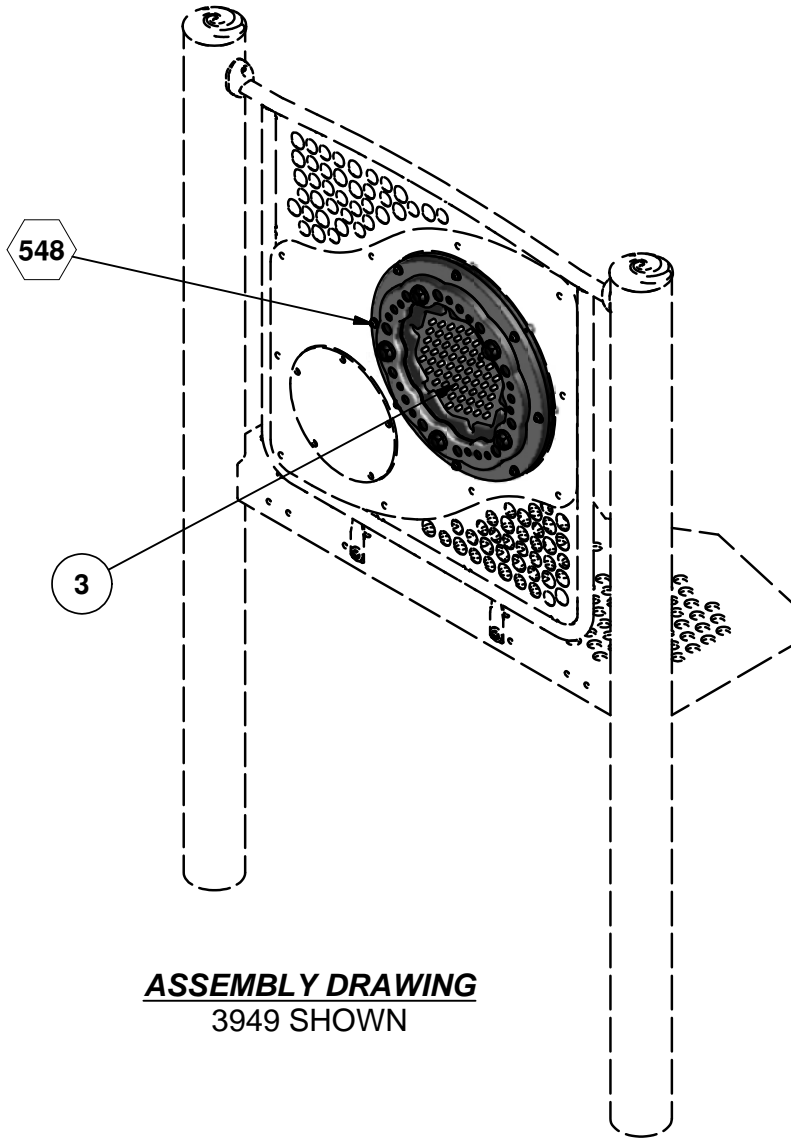




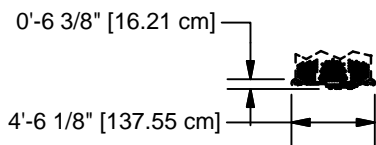
**ASSEMBLY DRAWING**  
3948 SHOWN



**TOP VIEW**



**ASSEMBLY DRAWING**  
3949 SHOWN



**TOP VIEW**

Parts List					
REF.	DESCRIPTION	3947	3948	3949	PART NUMBER
1	12" PACHINKO PANEL ONE SIDED	1	0	0	212476
2	20" PACHINKO PANEL TWO SIDED	0	1	0	212477
3	20" PACHINKO PANEL ONE SIDED	0	0	1	212478
	<b>HARDWARE COMPLETE</b>	1	0	0	212479
	<b>HARDWARE COMPLETE</b>	0	1	0	212475
	<b>HARDWARE COMPLETE</b>	0	0	1	212472
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	8	0	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	0	8	812054*
	3/8" BARREL NUT	5	8	8	804804*
	3/8" FLAT WASHER	5	8	8	817410*
	3/8" LOCKWASHER	5	8	8	817334*

*Unless Otherwise Specified, All Units of Measure are Each  
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**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.**

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Pachinko 3947 & 3949 per detail 548.

**STEP 2:** Attach Pachinko 3948 per detail 546.

## **SPECIFICATIONS**

**PACHINKO:** The Pachinko shall be fabricated from 1/2" high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

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

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



## IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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- 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.
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- Check to be sure all fittings are tight and that the bars and pipes do not move.
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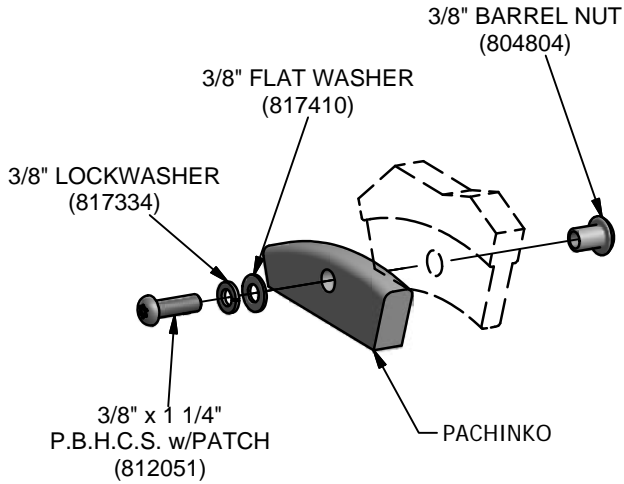
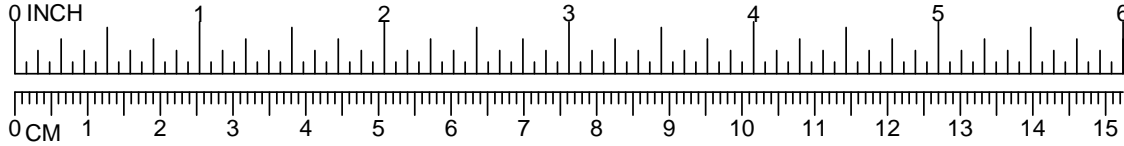
## DETAILS -for- 3947, 3948 & 3949

### IMPORTANT

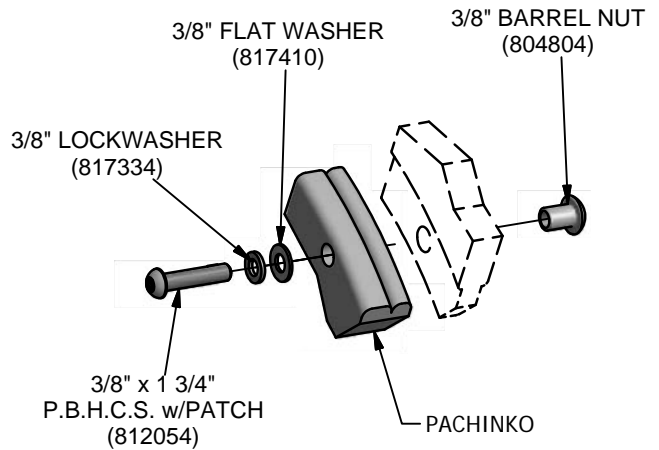
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



546



548



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1-800-235-2440

ISSUED/REVISED: 1/9/2017

## SENSORY WAVE CLIMBER UP & ON LINK

- = INSTALLATION
- = DETAIL
- = PARTS LIST REFERENCE

3'-0" - 3'-6"	91377
4'-0" - 4'-6"	91378
5'-0" - 5'-6"	91379
6'-0"	91380

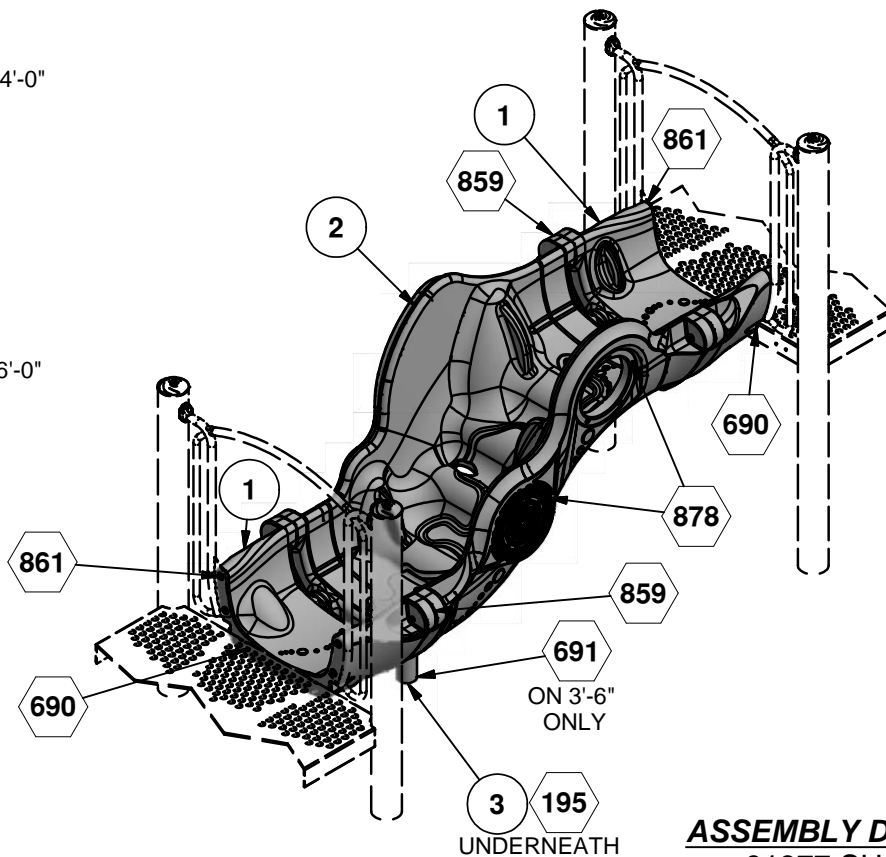
SENSORY WAVE CLIMBER UP & ON LINK BRONZE	4668
SENSORY WAVE CLIMBER UP & ON LINK SILVER	4669
SENSORY WAVE CLIMBER UP & ON LINK GOLD	4670



UP TO 4'-0"



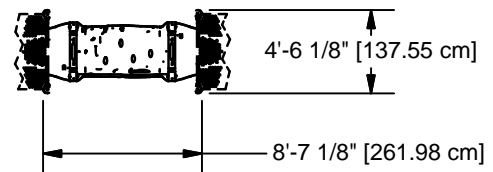
UP TO 6'-0"



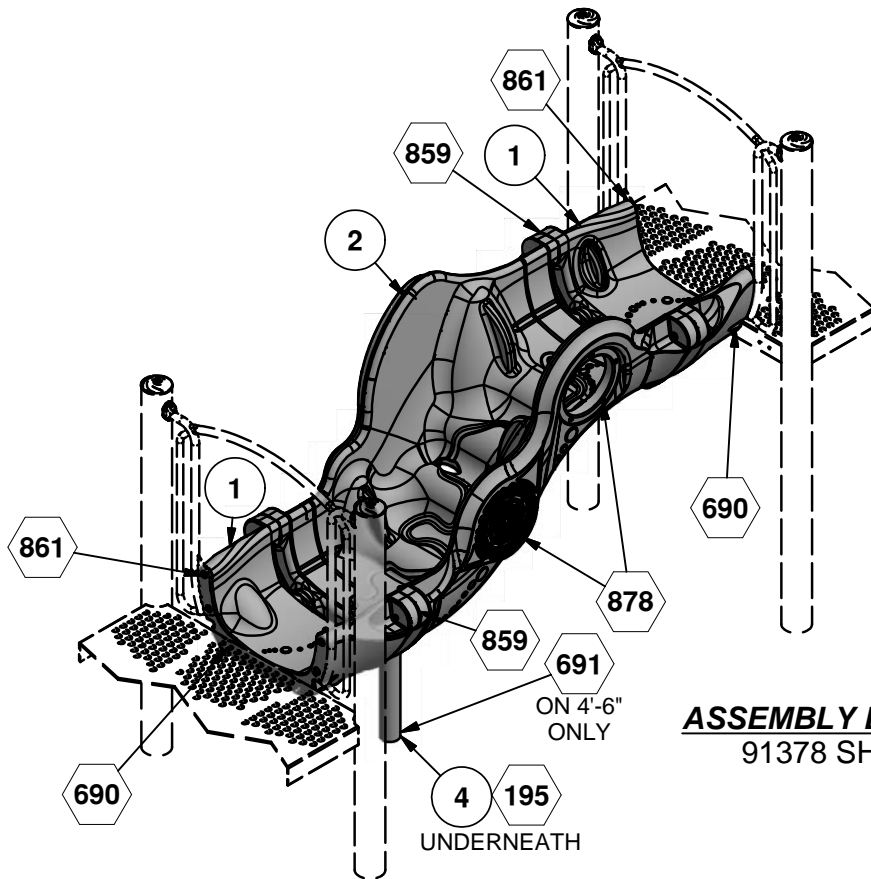
**ASSEMBLY DRAWING**  
91377 SHOWN

### INSTALLATION INSTRUCTIONS

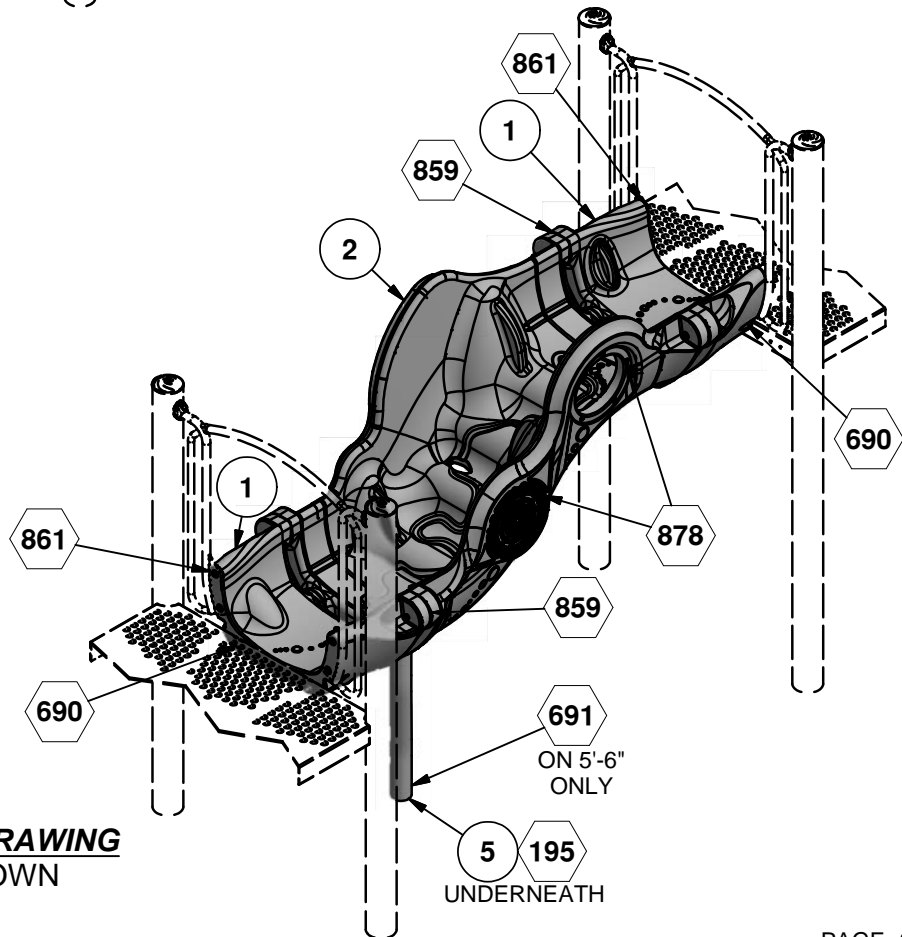
- Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



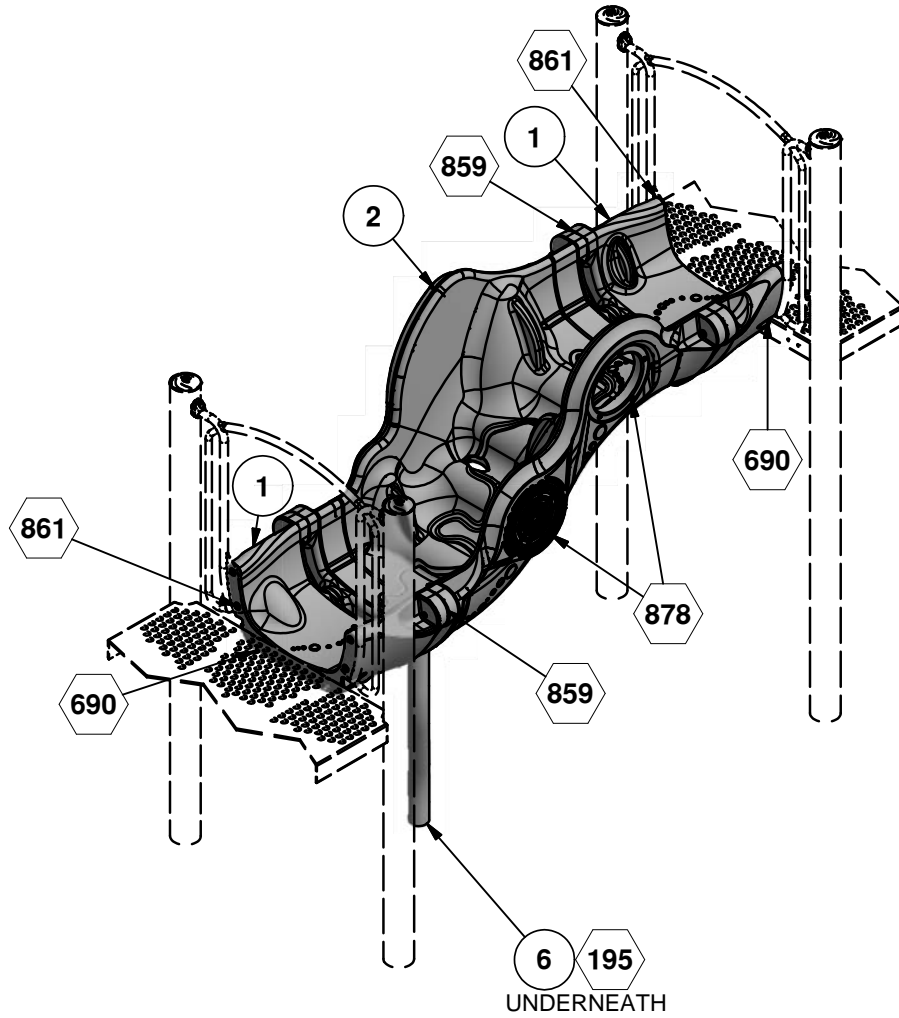
**TOP VIEW**



**ASSEMBLY DRAWING**  
91378 SHOWN



**ASSEMBLY DRAWING**  
91379 SHOWN



**ASSEMBLY DRAWING**  
91380 SHOWN

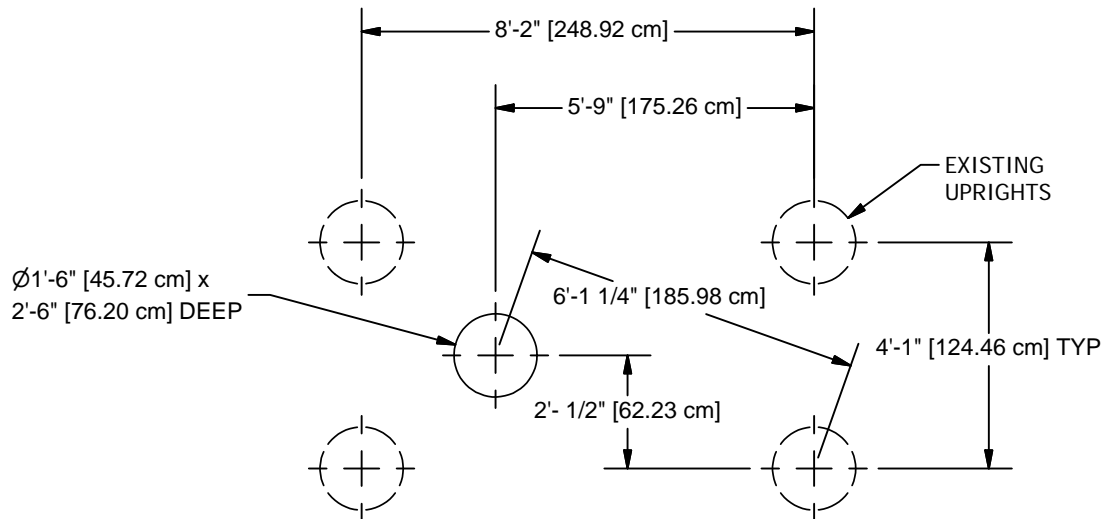
Parts List						
REF.	DESCRIPTION	91377	91378	91379	91380	PART NUMBER
1	WAVE DECK COUPLER	2	2	2	2	211614
2	WAVE ARCH	1	1	1	1	211610
3	FOOTBUCK WELD ASS'Y	1	0	0	0	211712
4	FOOTBUCK WELD ASS'Y	0	1	0	0	211823
5	FOOTBUCK WELD ASS'Y	0	0	1	0	211779
6	FOOTBUCK WELD ASS'Y	0	0	0	1	211826
	<b>HARDWARE COMPLETE</b>	1	1	1	0	211946
	<b>HARDWARE COMPLETE</b>	0	0	0	1	211947
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	2	2	2	812052*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	12	12	12	12	812054*
	3/8" x 4" HEX HEAD BOLT	1	1	1	0	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	8	8	8	8	812078*
	3/8" FLAT WASHER	3	3	3	0	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	20	20	20	20	817424*
	3/8" BARREL NUT	8	8	8	8	804804*
	3/8" LOCKWASHER	22	22	22	22	817334*
	3/8" HEX NUT	1	1	1	0	804053*
	EXTENSION PIPE	1	1	1	0	211801*
	DOMED PLUG	18	18	18	18	818379*

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.**

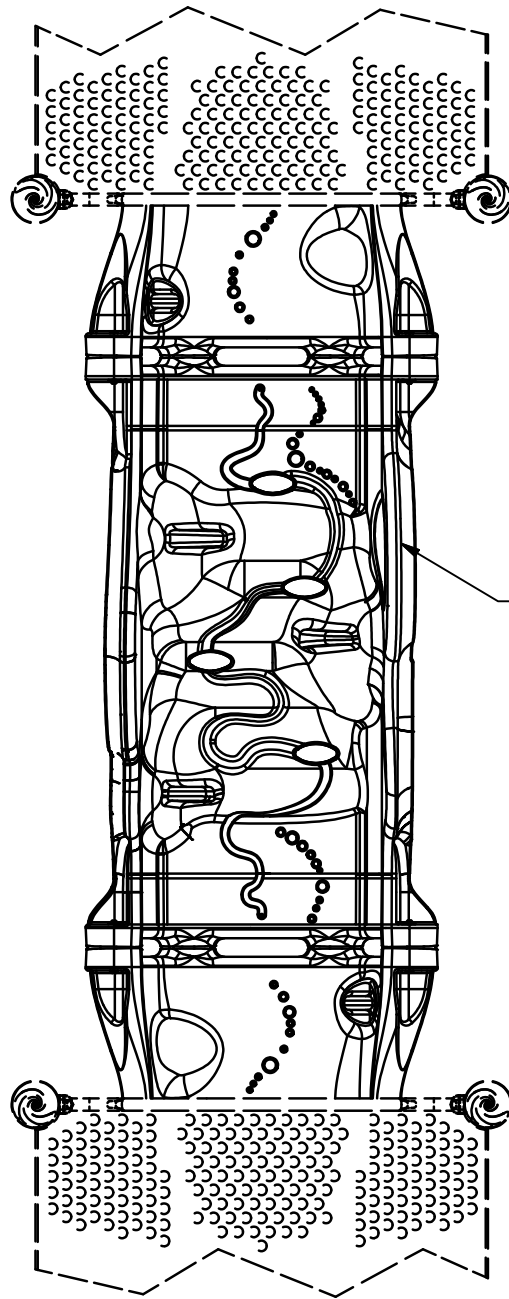
**Note: Loctite (supplied by others) should be used on any non-patch hardware.**



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

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

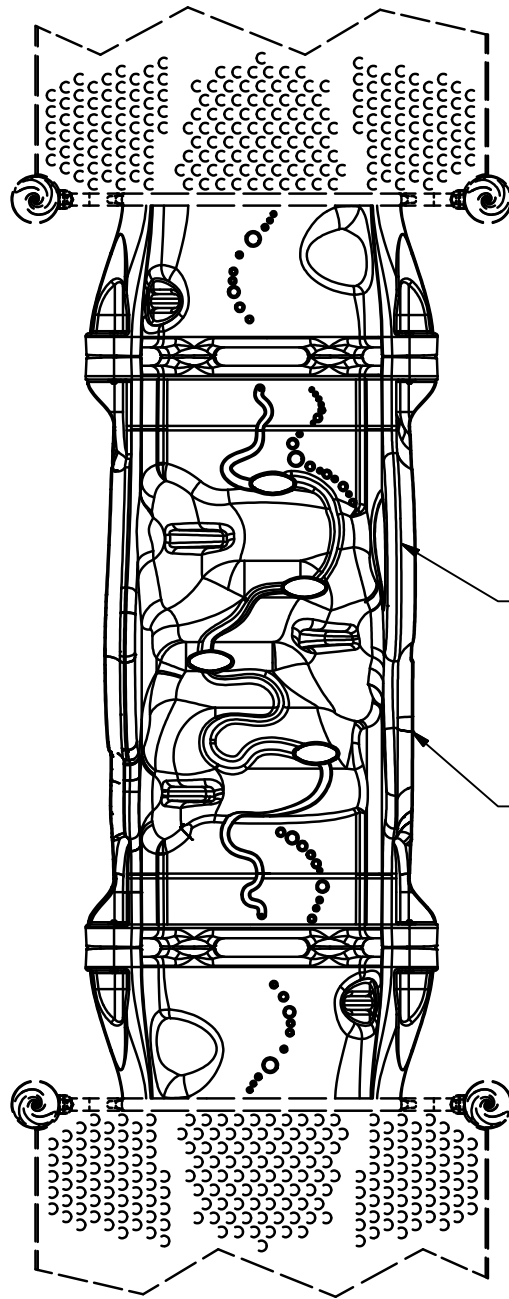
**GROUND PLAN**



BELLS TWO SIDED  
(3907)

**BRONZE PACKAGE SHOWN**

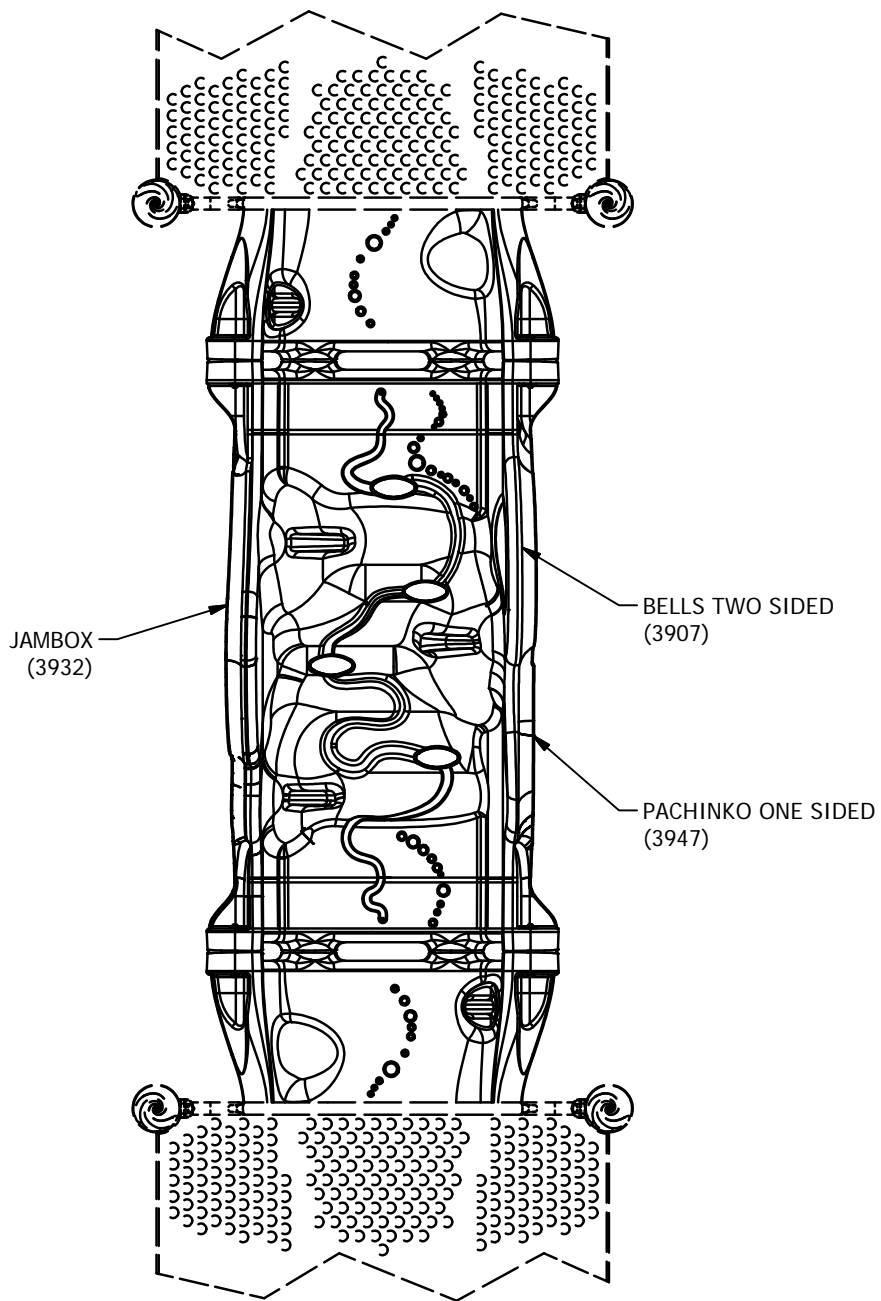
4668



BELLS TWO SIDED  
(3907)

PACHINKO ONE SIDED  
(3947)

**SILVER PACKAGE SHOWN**  
4669



**GOLD PACKAGE SHOWN**  
4670



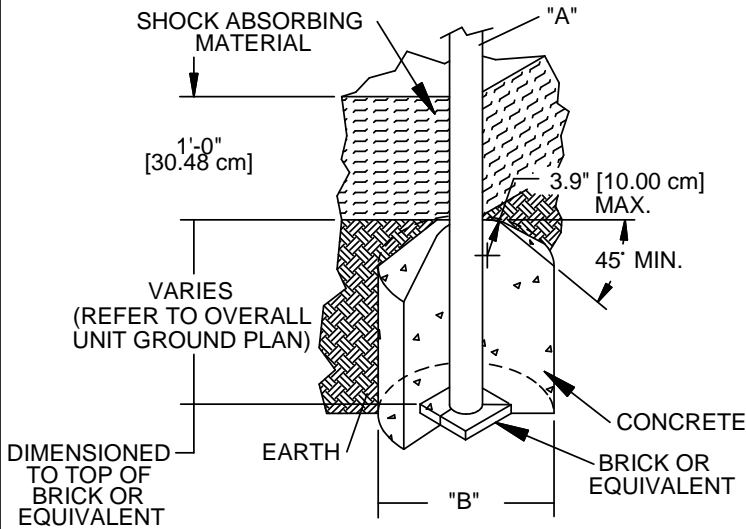
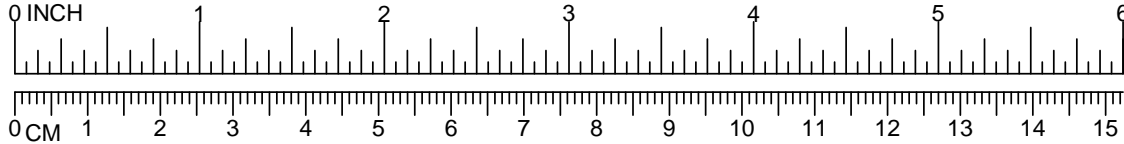
## DETAILS -for- 91377 THRU 91380

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.



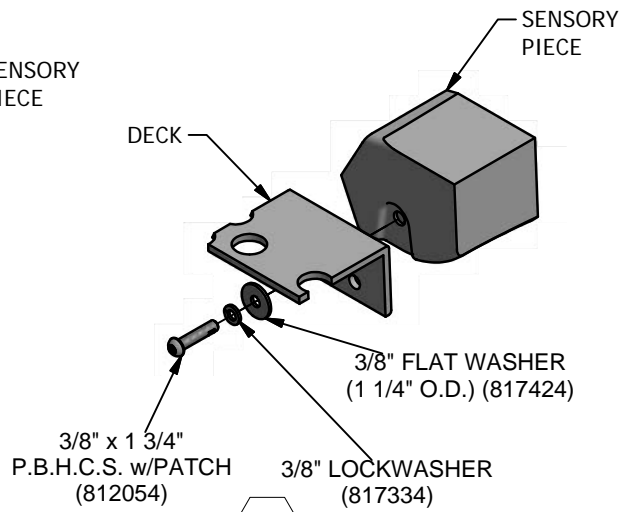
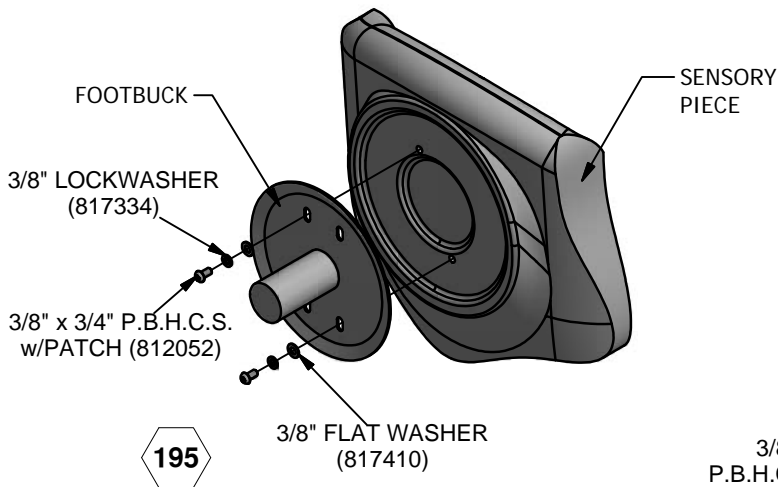
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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



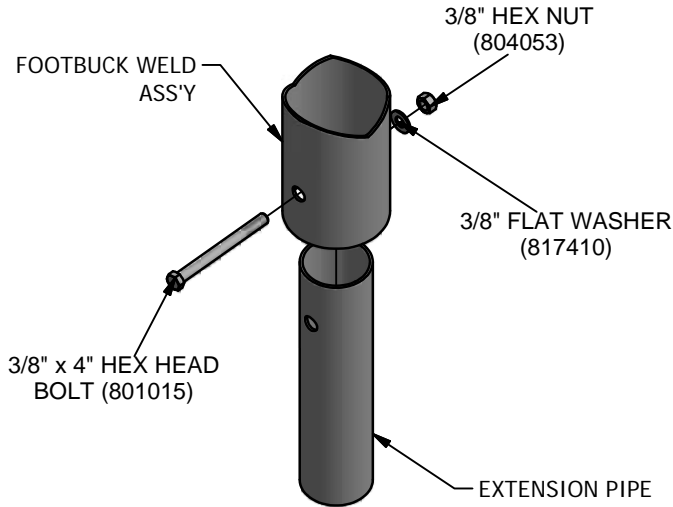
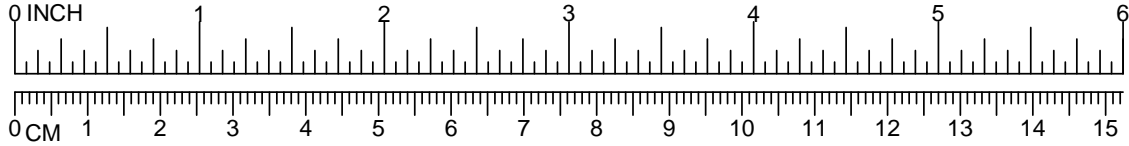
## DETAILS -for- 91377 THRU 91380

**IMPORTANT**

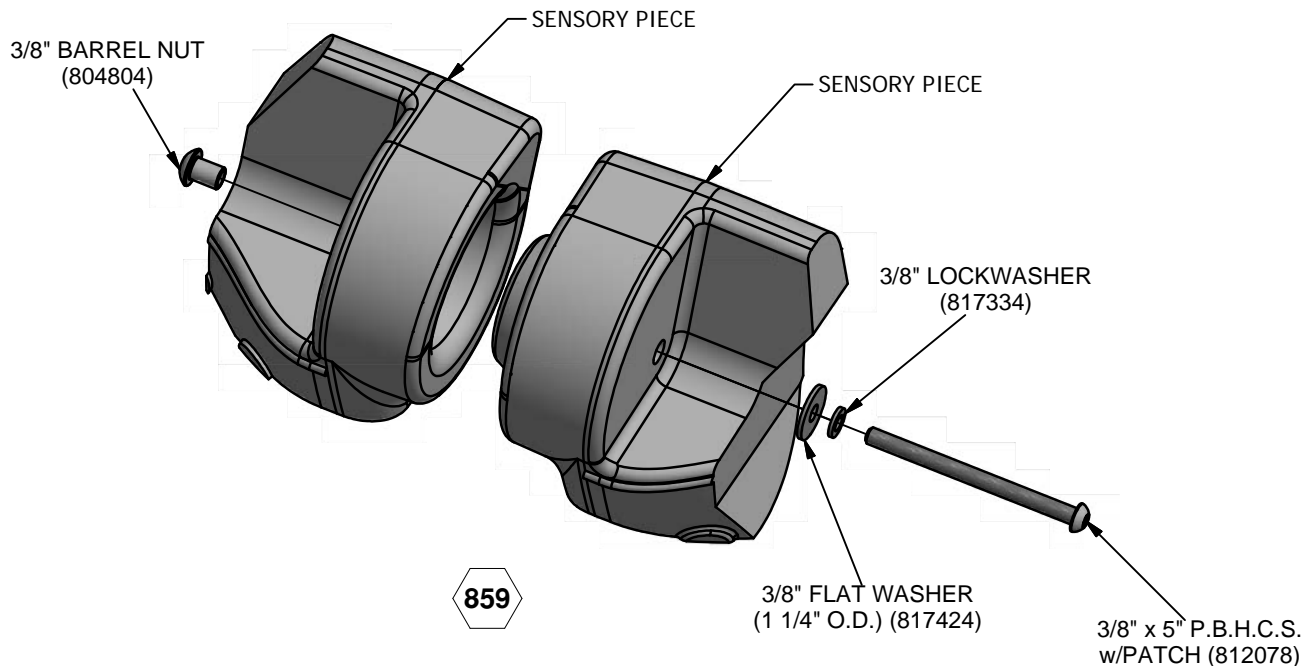
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



**691**



**859**

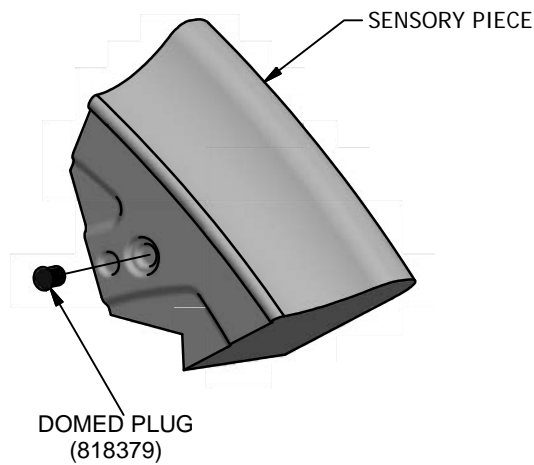
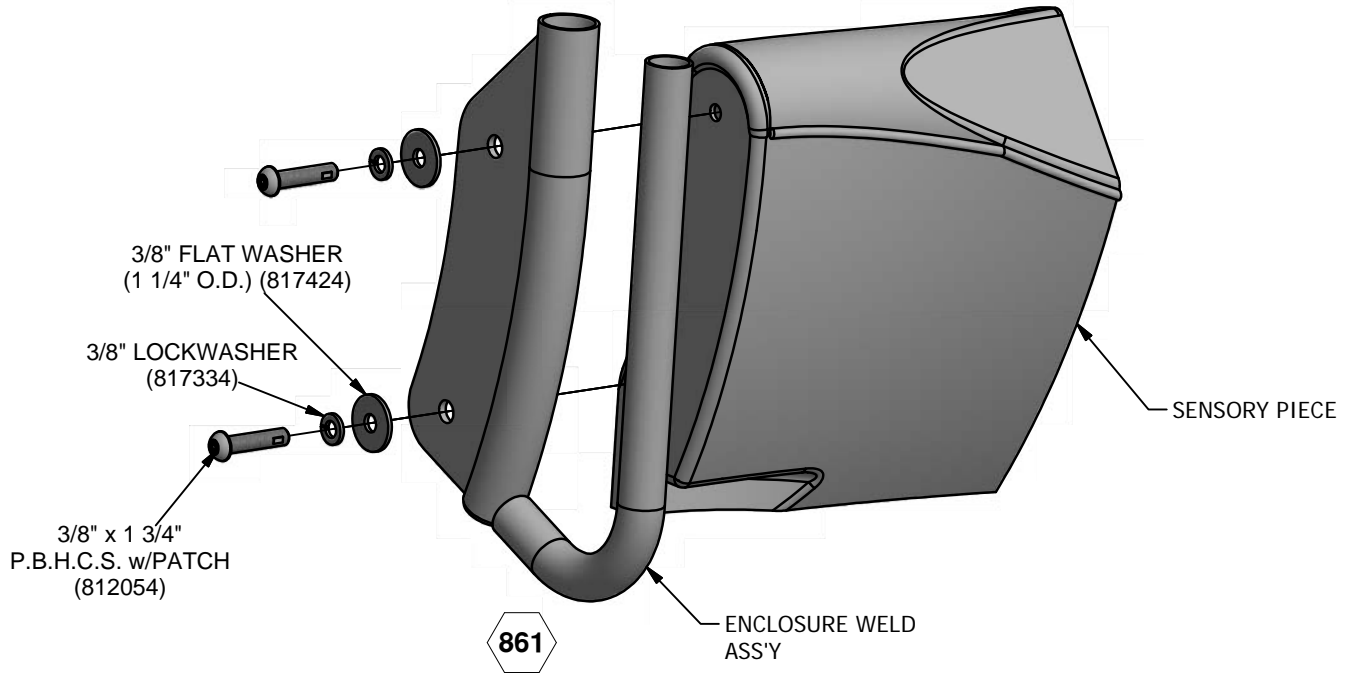
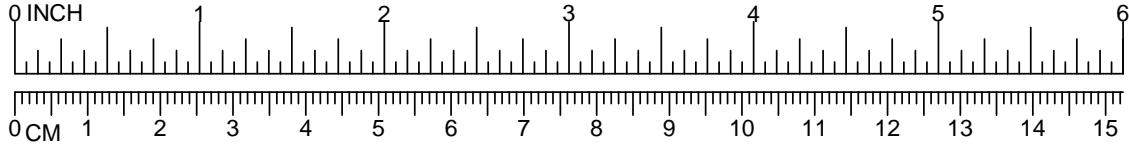
# DETAILS -for- 91377 THRU 91380

## IMPORTANT

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

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

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







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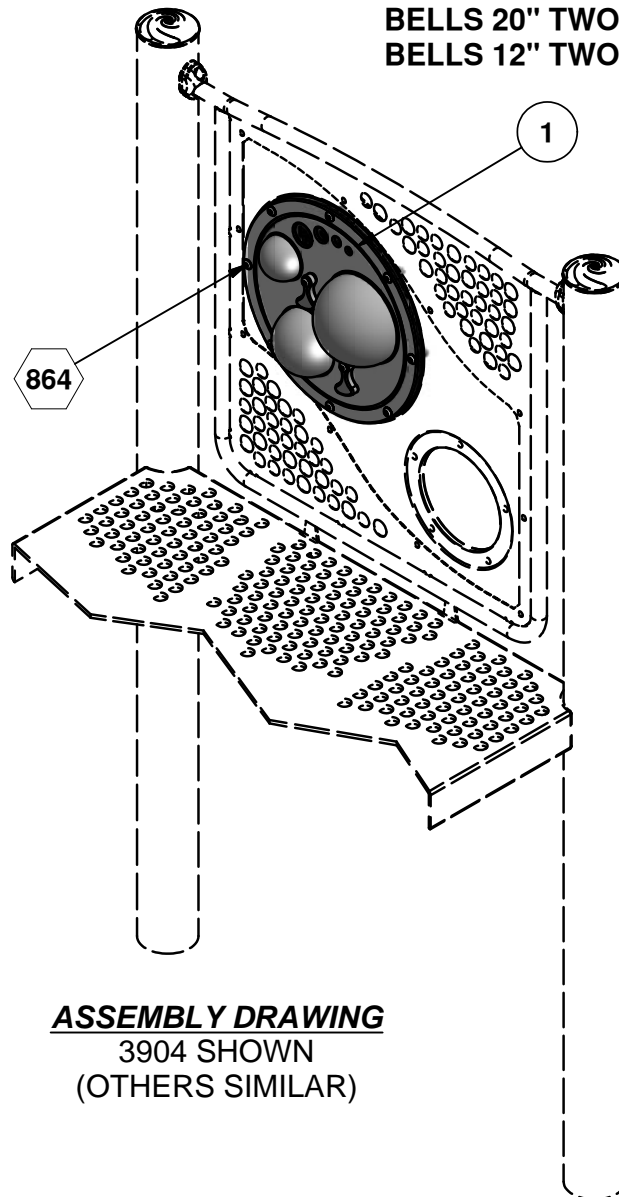
3904

BELLS

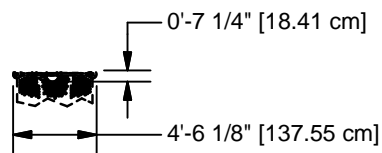
ISSUED/REVISED: 1/9/2017

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

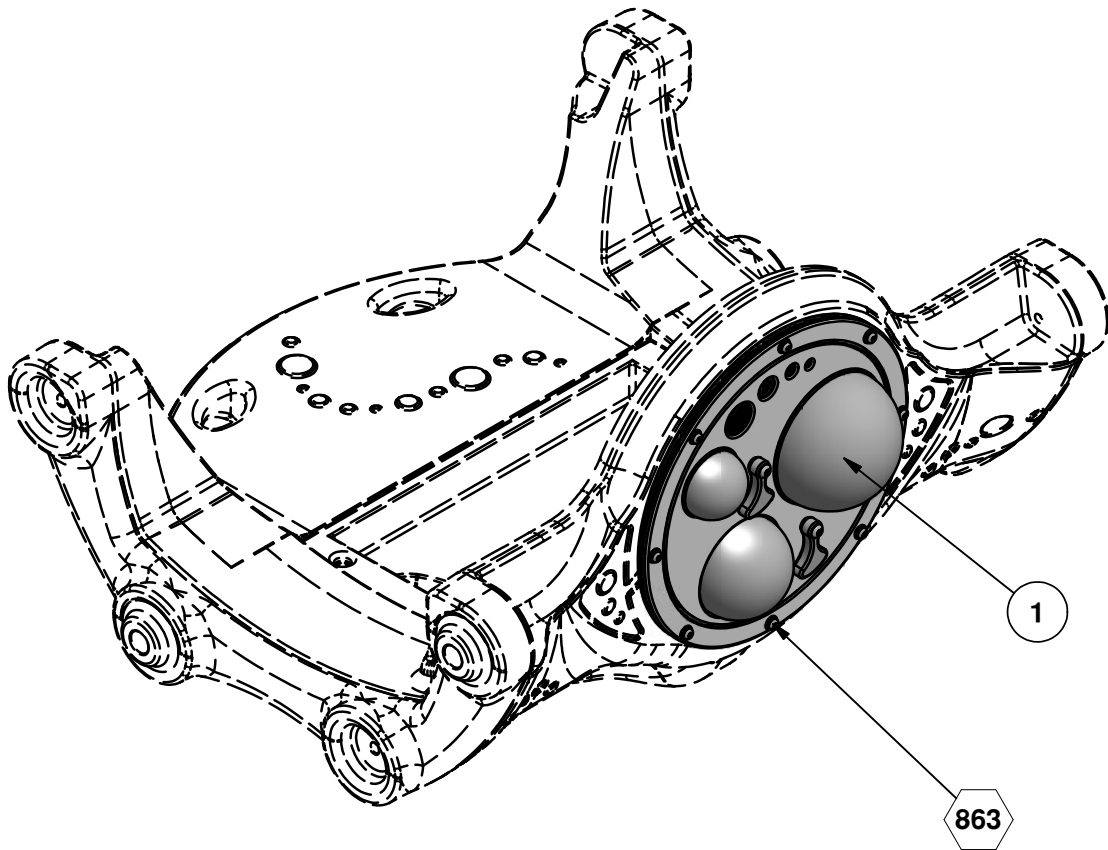
BELLS 20" ONE SIDED	3904
BELLS 12" ONE SIDED	3905
BELLS 20" TWO SIDED	3906
BELLS 12" TWO SIDED	3907



**ASSEMBLY DRAWING**  
 3904 SHOWN  
 (OTHERS SIMILAR)



**TOP VIEW**



**3904 ROTOMOLD APPLICATION**

Parts List						
REF.	DESCRIPTION	3904	3905	3906	3907	PART NUMBER
1	20" BELL ASS'Y ONE SIDED	1	0	0	0	212168
2	12" BELL ONE SIDED	0	1	0	0	212186
3	20" BELL TWO SIDED	0	0	1	0	212183
4	12" BELL TWO SIDED	0	0	0	1	212188
	<b>HARDWARE COMPLETE</b>	1	0	1	0	212190
	<b>HARDWARE COMPLETE</b>	0	1	0	1	212191
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	8	5	8	5	812051*
	3/8" BARREL NUT	8	5	8	5	804804*
	3/8" FLAT WASHER	8	5	8	5	817410*
	3/8" LOCKWASHER	8	5	8	5	817334*

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Bells 3904, 3905, 3906 and 3907 per detail 864. When used on rotomold application, attach Bells 3904 and 3905 per detail 863.

## **SPECIFICATIONS**

**BELL:** Bells shall be all weld assemblies fabricated from formed 11 Ga. Steel, 1-5/16" O.D. x .083" (14 gauge) wall galvanized steel tubing, and purchases machined stainless steel insert. The Bell weld assemblies shall be coated in TGIC polyester powder coating as specified herein.

**BELL PANEL:** The bell panel shall be fabricated from 3/4" high density polyethylene.

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

**POWDER COAT FINISH:** Shall be an electrostatically applied custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and shall be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. The coating shall have a super tough finish with maximum exterior durability and will have superior adhesion characteristics. Typical characteristics are: 3.0 - 5.0 mil thickness and oven cured between 375 to 425 degrees Fahrenheit. Pencil Hardness H (ASTM D-3363), Impact (ASTM D-2794- 69), Wedge Bend (ASTM D-522-68),

**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.



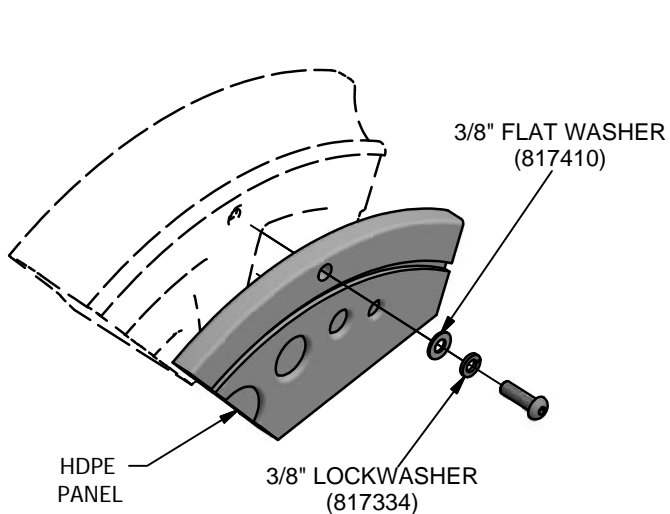
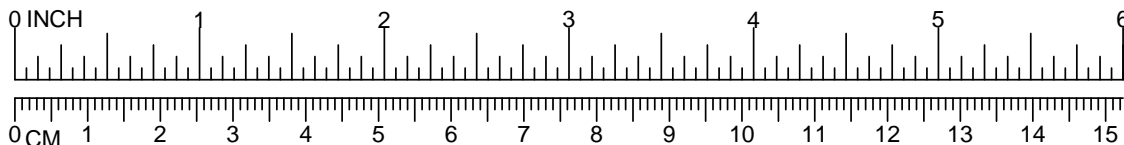
## DETAILS -for- 3904, 3905, 3906 & 3907

**IMPORTANT**

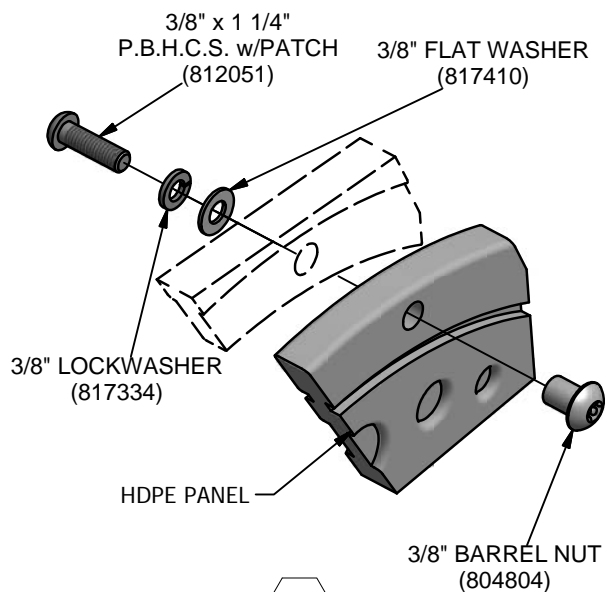
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END  
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED  
SMOOTH AND TREATED TO PREVENT CORROSION.

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.



863



864





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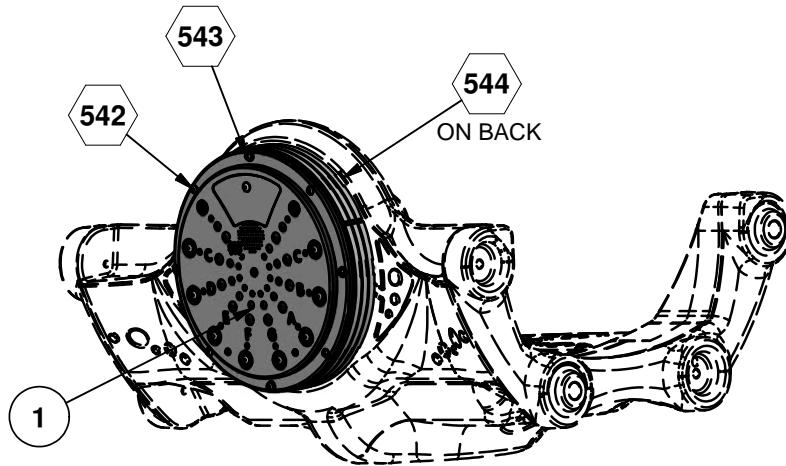
3932

# JAM BOX

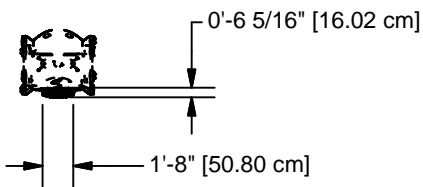
ISSUED/REVISED: 1/9/2017

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

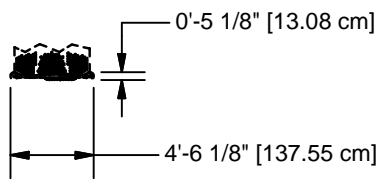
JAM BOX	3932
JAM BOX TWO SIDED	3933



**ASSEMBLY DRAWING**  
3932 SHOWN

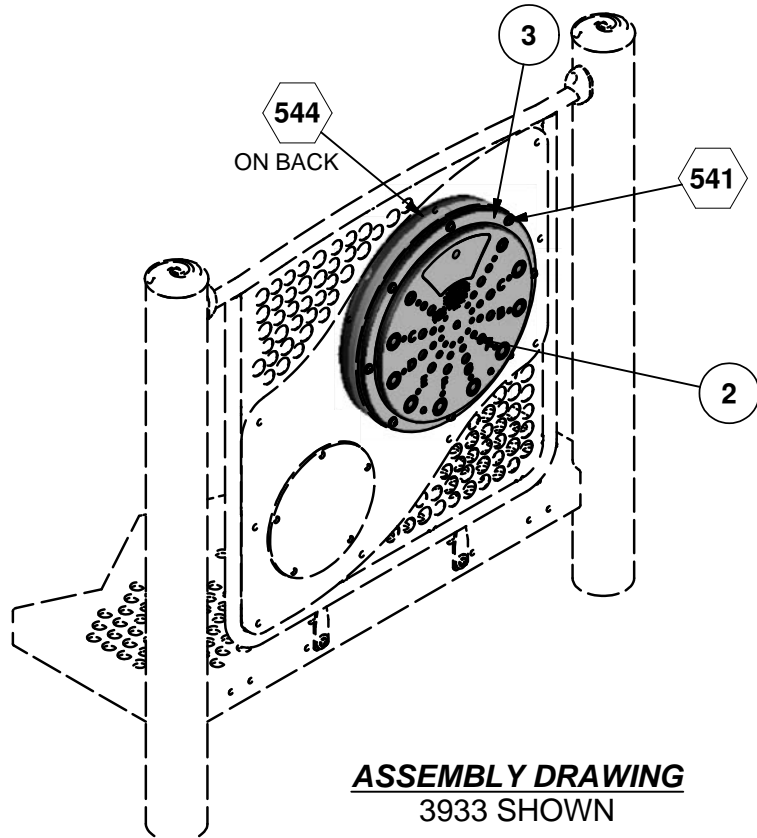


3932



3933

**TOP VIEW**



**ASSEMBLY DRAWING**  
3933 SHOWN



## 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.
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- 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.
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Parts List				
REF	DESCRIPTION	3932	3933	PART NUMBER
1	JAM BOX ONE SIDED	1	0	212428
2	JAM BOX TWO SIDED	0	1	212417
3	SPACER	6	0	212416
	<b>HARDWARE COMPLETE</b>	1	0	212436
	<b>HARDWARE COMPLETE</b>	0	1	212437
	3/8" x 2 1/4" P.B.H.C.S. w/PATCH	0	4	812056*
	3/8" x 2 3/4" P.B.H.C.S. w/PATCH	0	4	812058*
	3/8" x 3" P.B.H.C.S. w/PATCH	4	0	812059*
	3/8" x 3 3/4" P.B.H.C.S. w/PATCH	4	0	812076*
	3/8" LOCKWASHER	8	8	817334*
	3/8" FLAT WASHER	8	8	817410*
	3/8" T-NUT	4	0	804556*
	3/8" BARREL NUT	0	8	804804*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1.** Batteries supplied by others should be installed in water tight housing as per detail 544.

**STEP 2.** Jam Box 3933 panel shall be attached to mounting surface as per detail 541.

**STEP 3.** Jam Box 3932 panel shall be attached to HDPE Spacer rings per detail 542.

**STEP 4.** Jam Box 3932 should then be attached to mounting surface as per detail 543.

## **SPECIFICATIONS**

**JAM BOX PANEL:** The Jam Box panels shall be fabricated from 3/4" high density polyethylene with electronic components contained within water tight low density polyethylene housing.

**HDPE SPACER RINGS:** The HDPE spacer rings shall be fabricated from 3/4" high density polyethylene

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

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

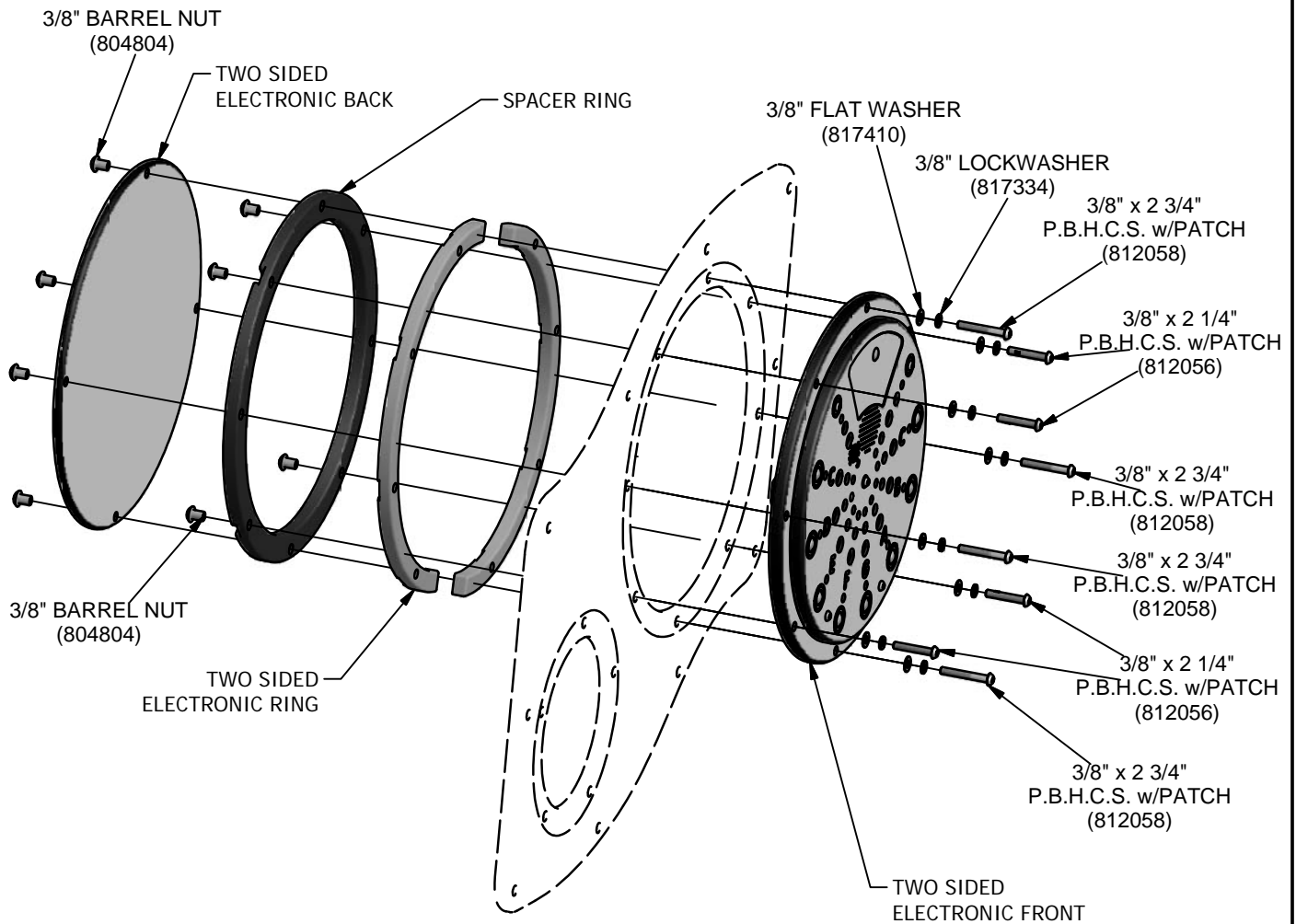
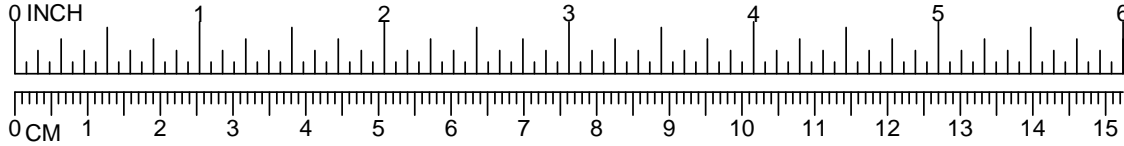
# DETAILS -for- 3932 AND 3933

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.



541

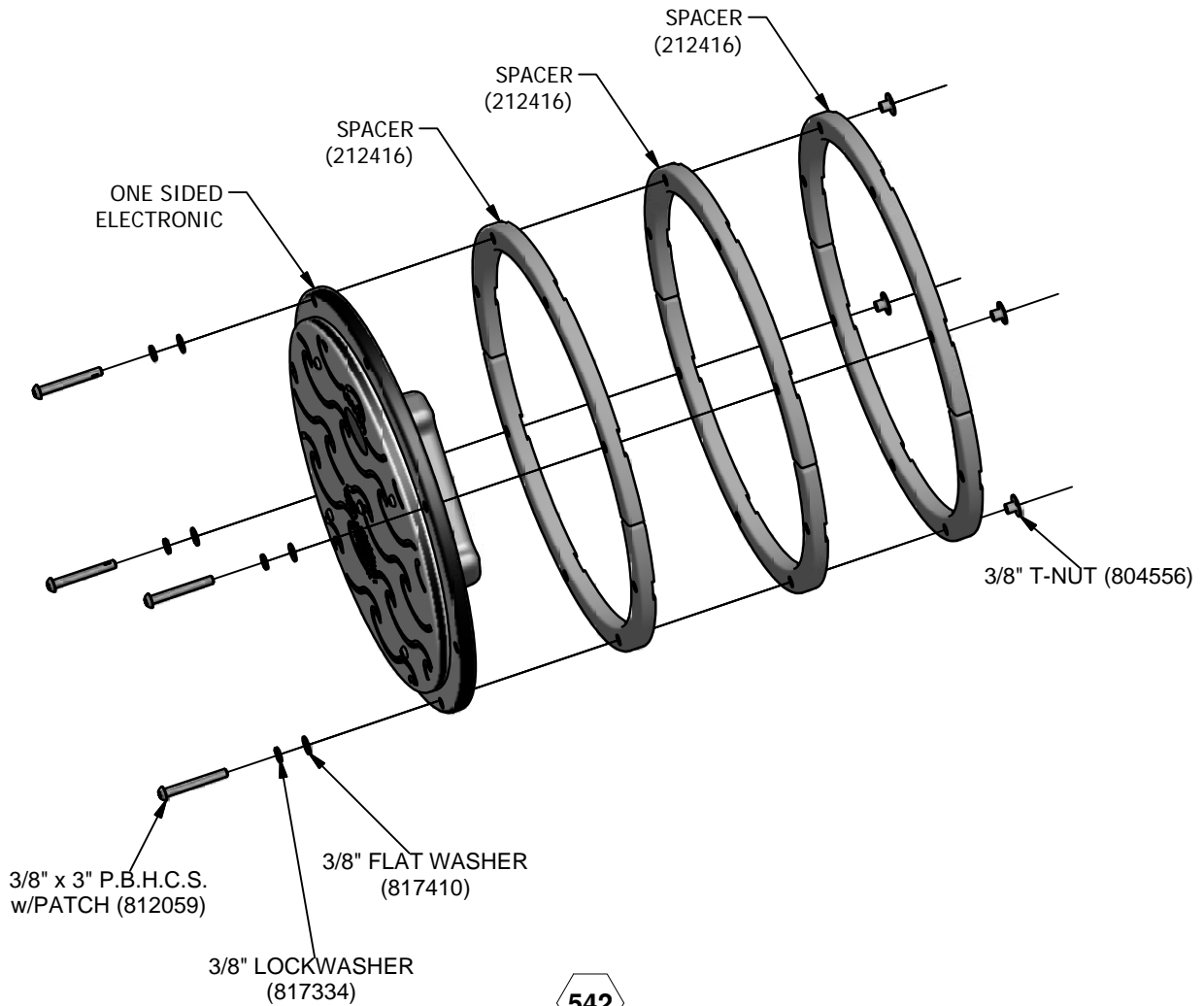
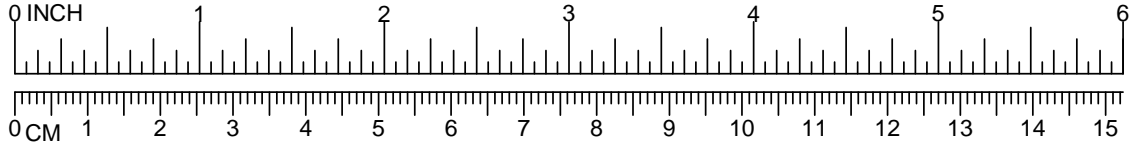
# DETAILS -for- 3932 AND 3933

## 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.



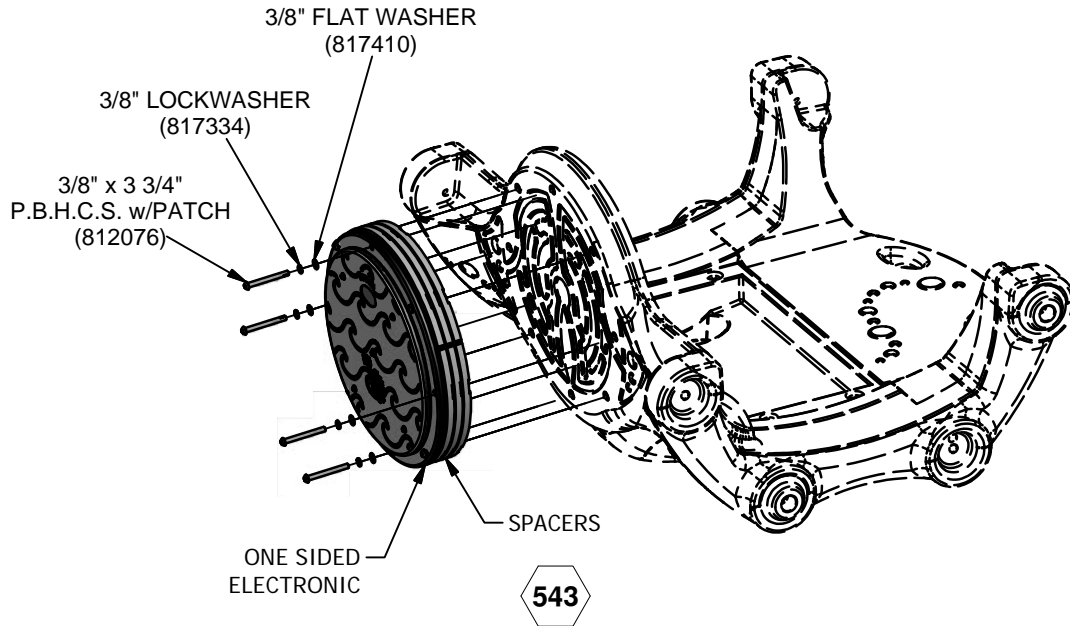
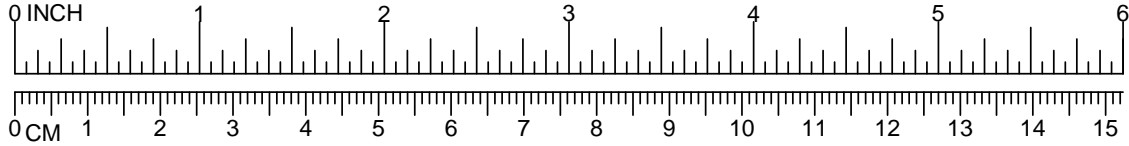
## DETAILS -for- 3932 AND 3933

### IMPORTANT

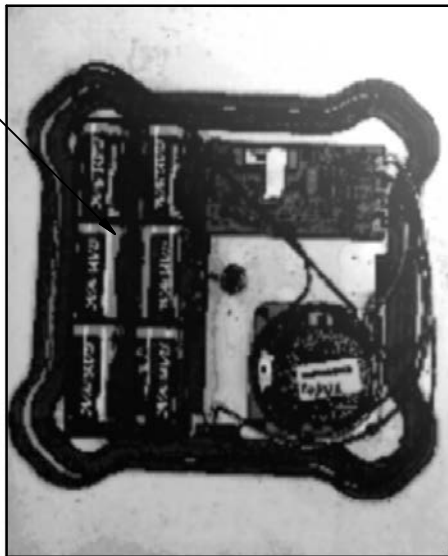
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



BATTERY REPLACEMENT  
(6) D-CELL BATTERIES



TO REPLACE BATTERIES OR ADJUST VOLUME REMOVE BACK OF BOX WITH TOLL PROVIDED.

PLEASE CONSIDER OUR ENVIROMENT WHEN DISPOSING OF WASTE BATTERIES. OLD BATTERIES SHOULD BE SENT TO A LICENSED RECYCLING FACILITY FOR PROPER PROCESSING.







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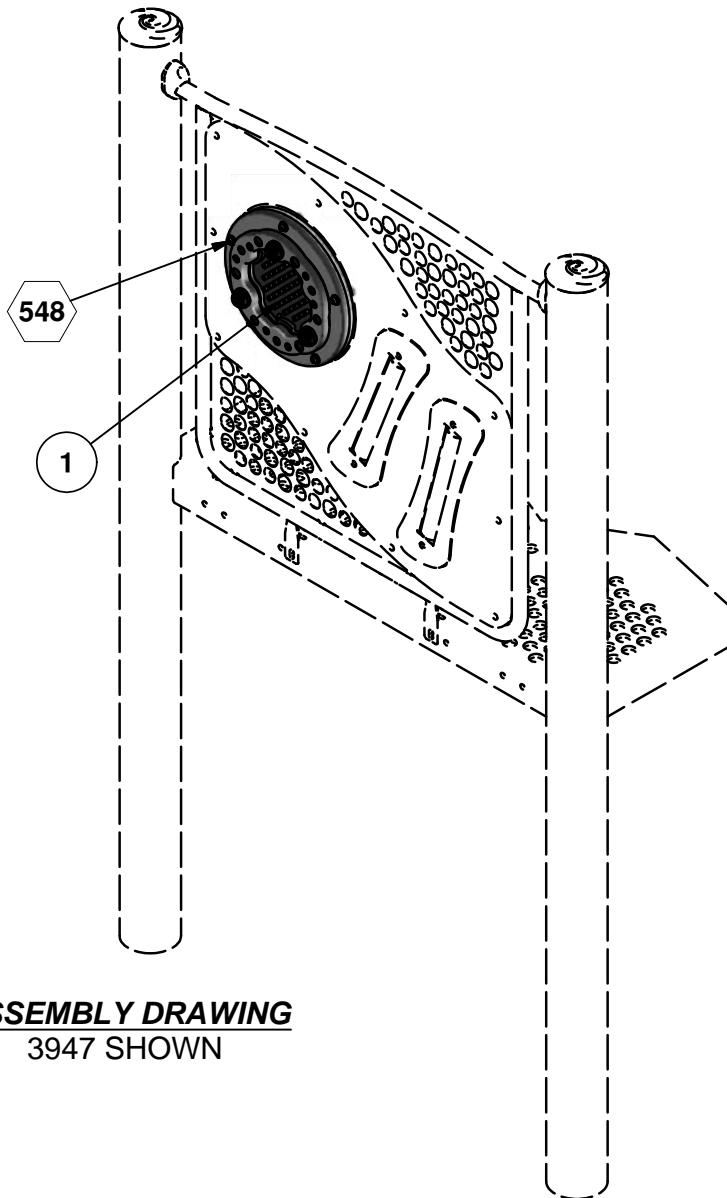
3947

# PACHINKO

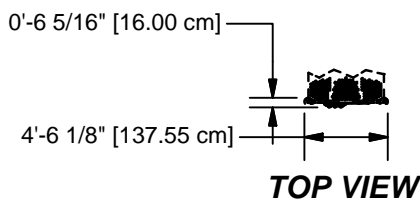
ISSUED/REVISED: 1/9/2017

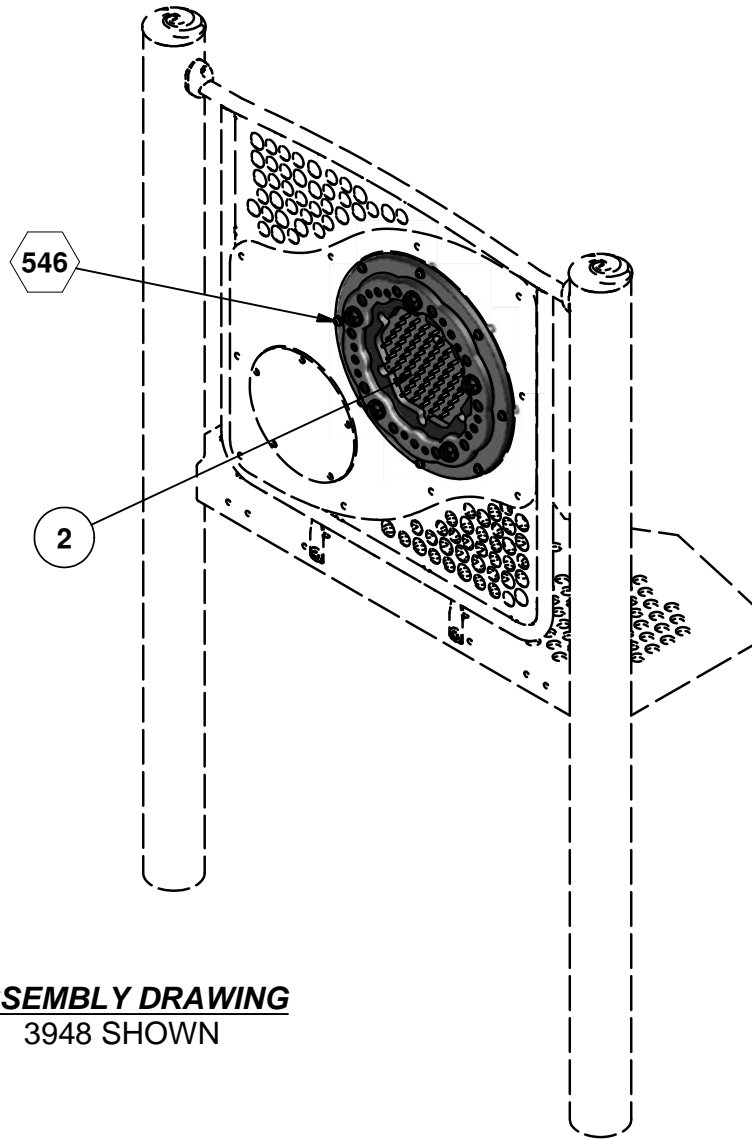
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

12" ONE SIDED	3947
20" TWO SIDED	3948
20" ONE SIDED	3949

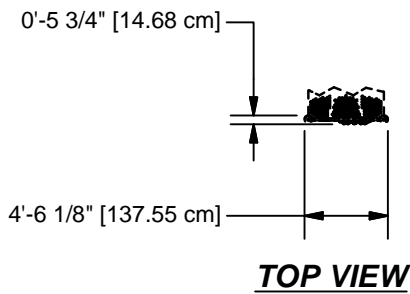


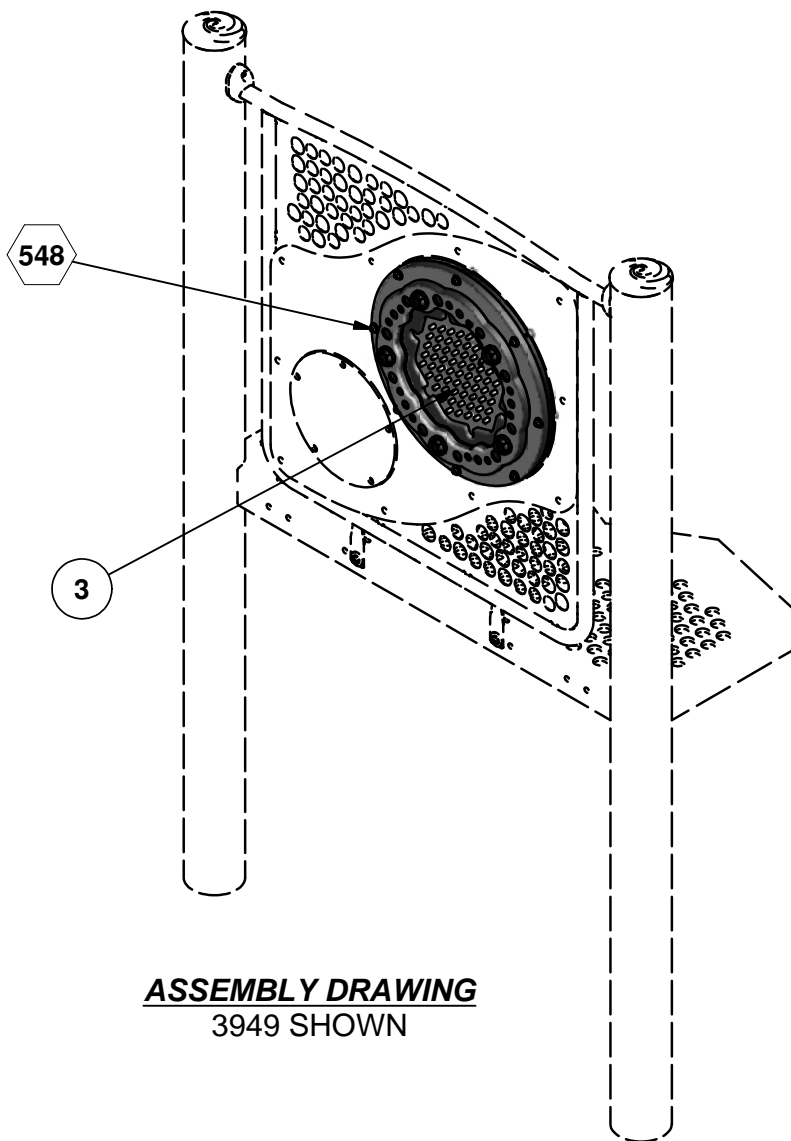
**ASSEMBLY DRAWING**  
3947 SHOWN



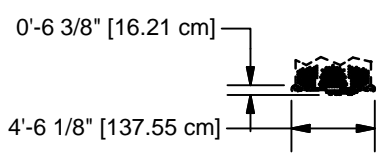


**ASSEMBLY DRAWING**  
3948 SHOWN





**ASSEMBLY DRAWING**  
3949 SHOWN



**TOP VIEW**

Parts List					
REF.	DESCRIPTION	3947	3948	3949	PART NUMBER
1	12" PACHINKO PANEL ONE SIDED	1	0	0	212476
2	20" PACHINKO PANEL TWO SIDED	0	1	0	212477
3	20" PACHINKO PANEL ONE SIDED	0	0	1	212478
	<b>HARDWARE COMPLETE</b>	1	0	0	212479
	<b>HARDWARE COMPLETE</b>	0	1	0	212475
	<b>HARDWARE COMPLETE</b>	0	0	1	212472
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	0	8	0	812051*
	3/8" x 1 3/4" P.B.H.C.S. w/PATCH	5	0	8	812054*
	3/8" BARREL NUT	5	8	8	804804*
	3/8" FLAT WASHER	5	8	8	817410*
	3/8" LOCKWASHER	5	8	8	817334*

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

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

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

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

## **INSTALLATION INSTRUCTIONS**

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

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

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

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

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

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

**STEP 1:** Attach Pachinko 3947 & 3949 per detail 548.

**STEP 2:** Attach Pachinko 3948 per detail 546.

## **SPECIFICATIONS**

**PACHINKO:** The Pachinko shall be fabricated from 1/2" high density polyethylene, nylon spacers, and 3/16" thick UV inhibitive acrylic with 10mm nylon ball.

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

**SPECIFICATIONS:** GAMETIME® has a policy of continuous improvement and reserves the right to 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.

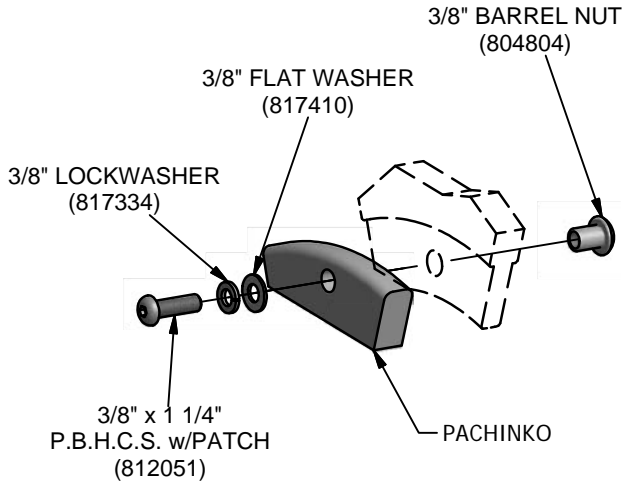
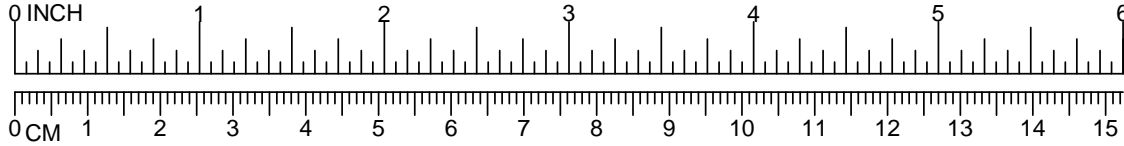
## DETAILS -for- 3947, 3948 & 3949

### IMPORTANT

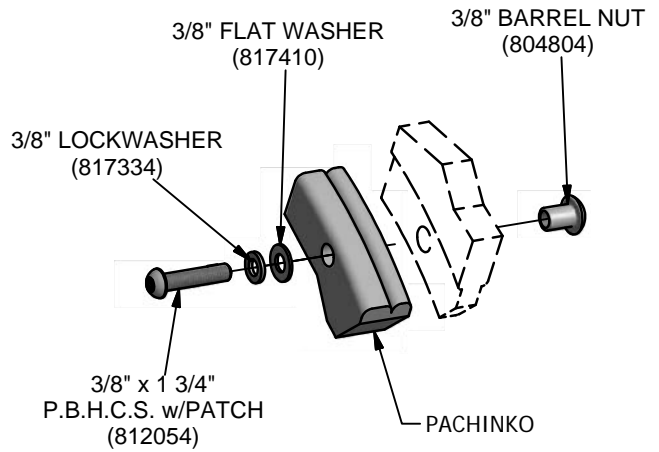
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



546



548





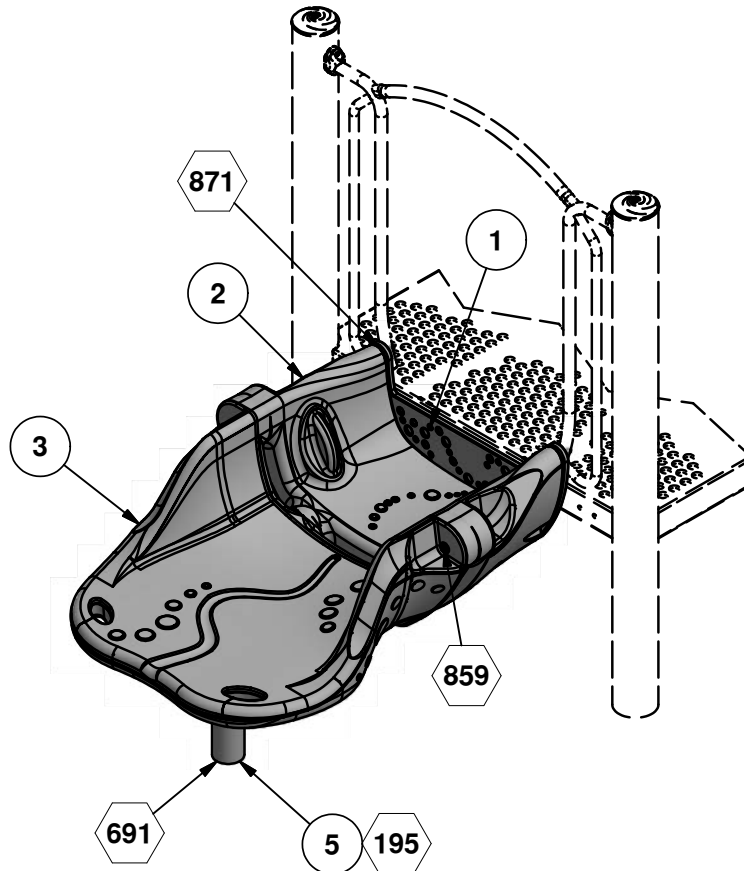
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1-800-235-2440

ISSUED/REVISED: 9/30/2016

## SENSORY WAVE CLIMBER TRANSFER FOR 2' DECK

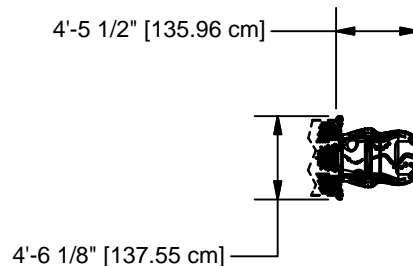
-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE



**ASSEMBLY DRAWING**

### INSTALLATION INSTRUCTIONS

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



**TOP VIEW**

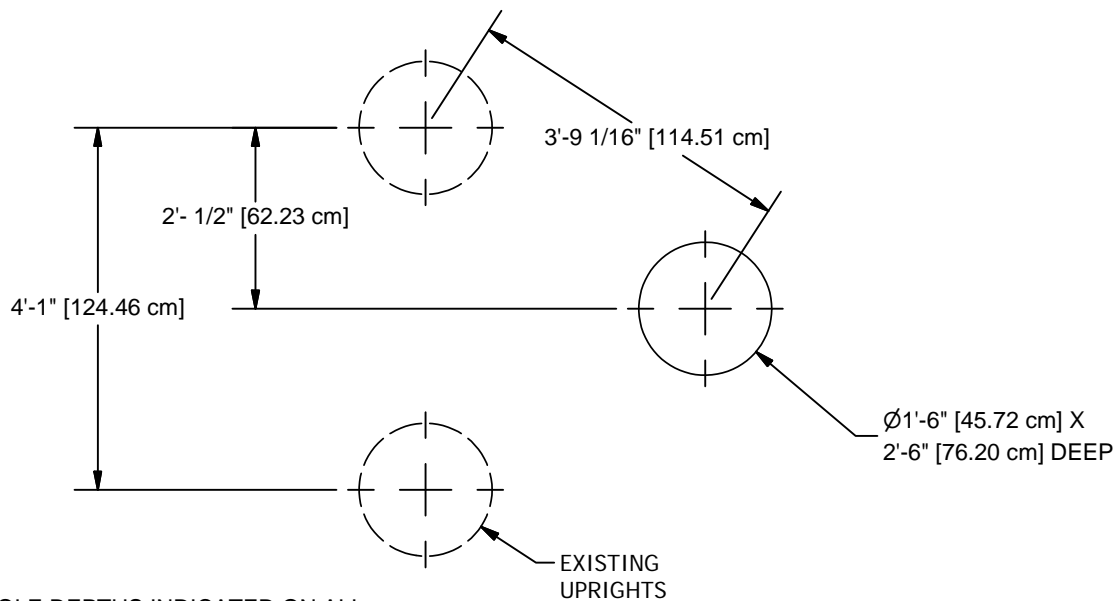


Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	HDPE SPACER	1	212258
2	WAVE DECK COUPLER	1	211614
3	WAVE END TRANSFER	1	211613
4	FOOTBUCK WELD ASS'Y	1	211716
	<b>HARDWARE COMPLETE</b>	1	212259
	3/8" x 3/4" P.B.H.C.S. w/PATCH	2	812052*
	3/8" x 1 1/4" P.B.H.C.S. w/PATCH	2	812051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	2	812053*
	3/8" x 2 1/2" P.B.H.C.S. w/PATCH	2	812057*
	3/8" x 4" HEX HEAD BOLT	1	801015*
	3/8" x 5" P.B.H.C.S. w/PATCH	4	812078*
	3/8" BARREL NUT	6	804804*
	3/8" FLAT WASHER	5	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	817424*
	3/8" HEX NUT	1	804053*
	3/8" LOCKWASHER	12	817334*
	EXTENSION PIPE	1	211801*

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

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

**GROUND PLAN**

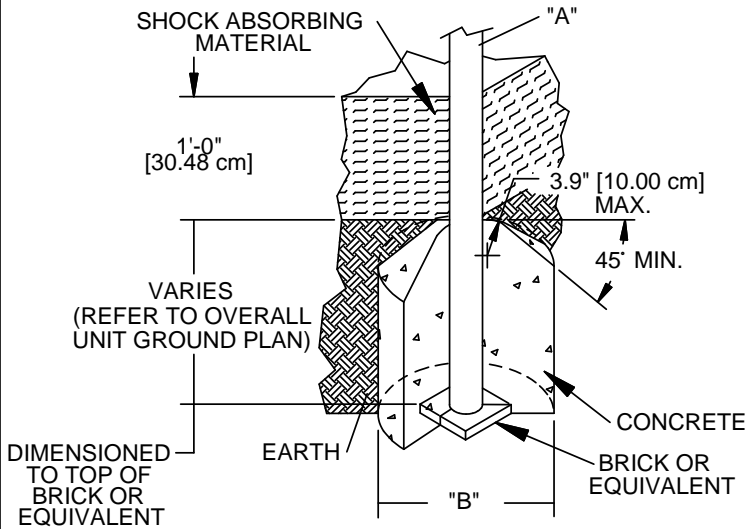
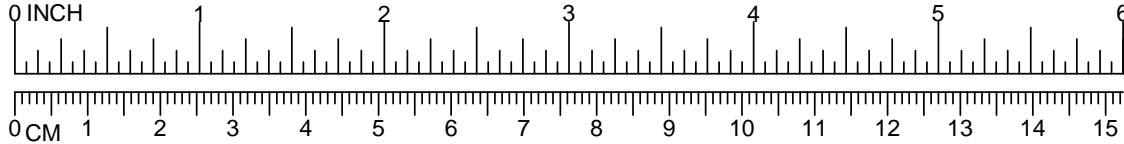
# DETAILS -for- 91427

**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.



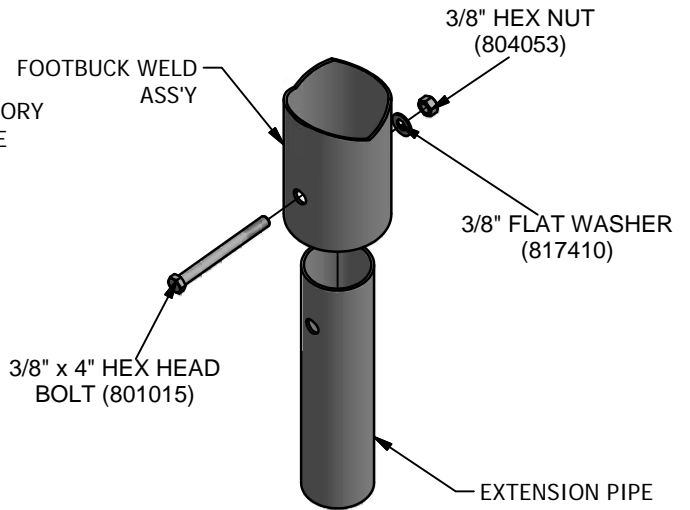
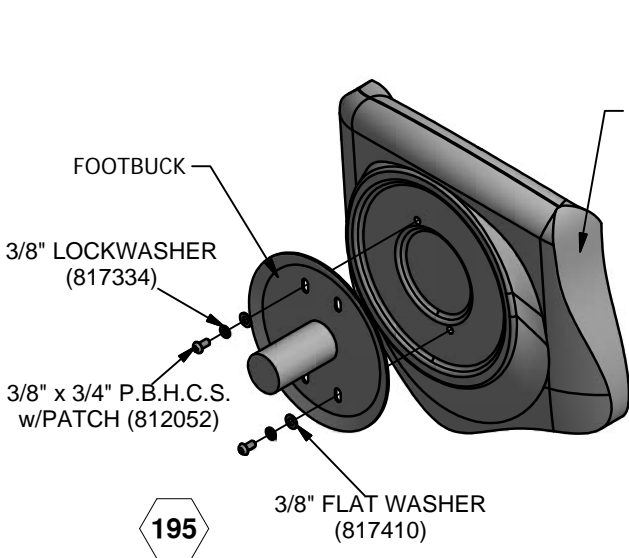
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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



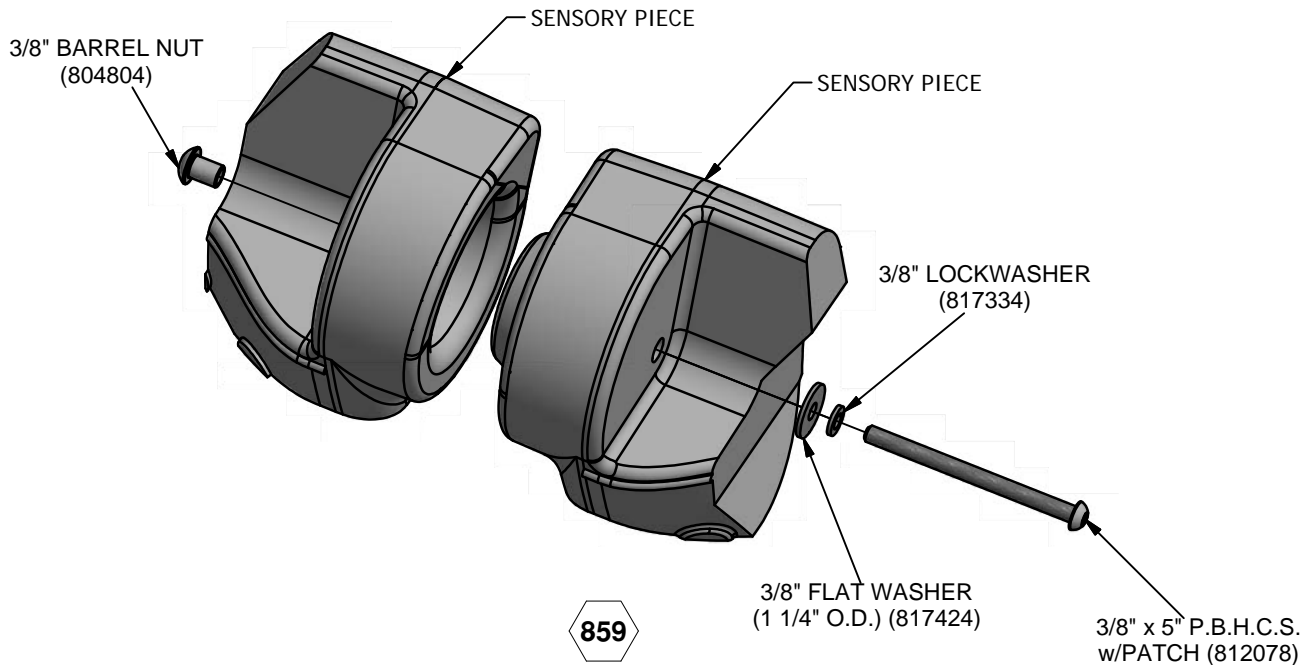
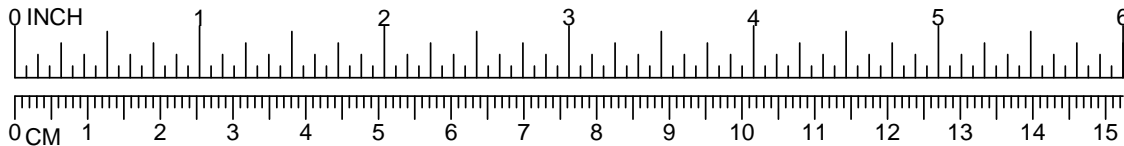
# DETAILS -for- 91427

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.



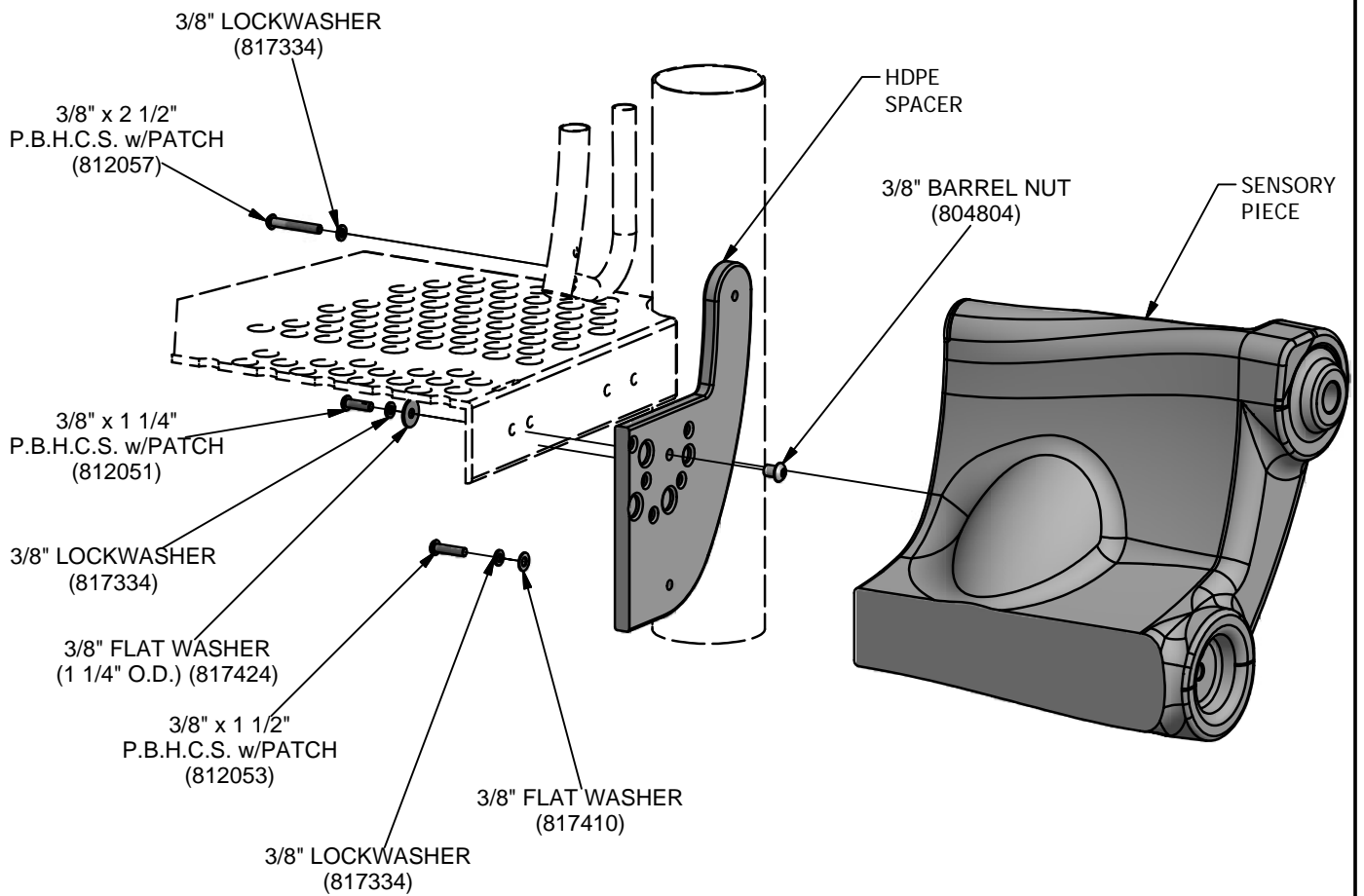
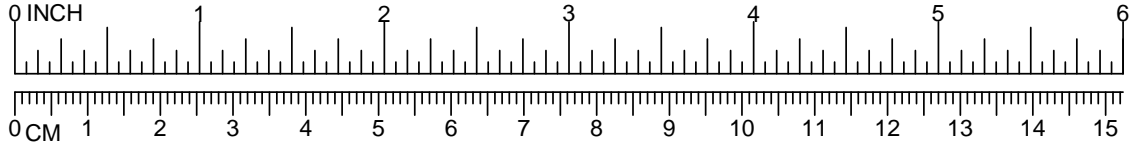
# DETAILS -for- 91427

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.



871

# PowerScape®

## GameTime®



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1-800-235-2440

ISSUED/REVISED: 10/14/2016

91458

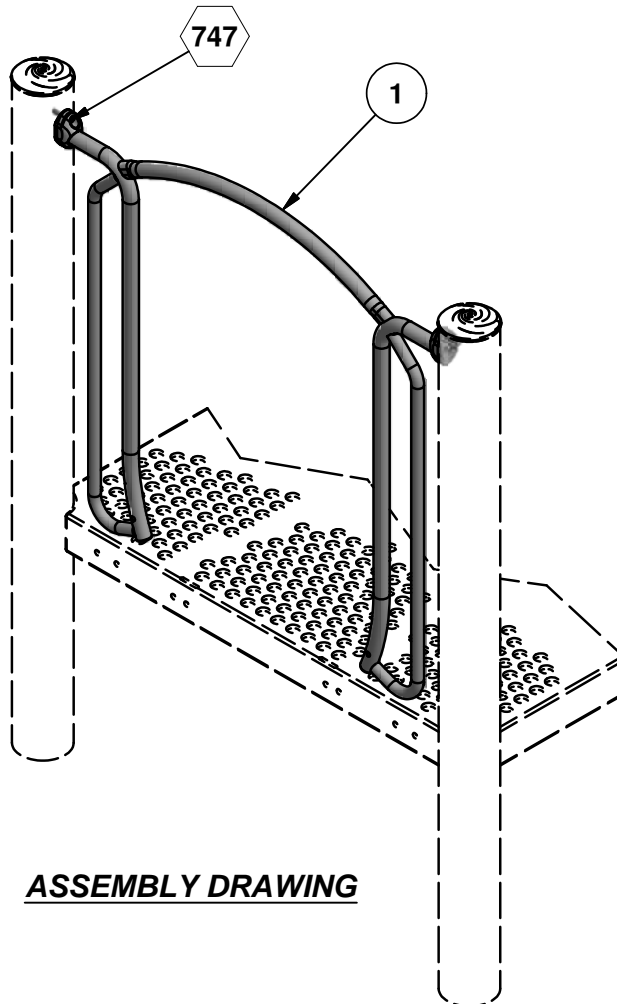
# SENSORY WAVE CLIMBER ENTRYWAY FOR 2' DECK

-  = INSTALLATION  
= DETAIL
-  = PARTS LIST  
= REFERENCE

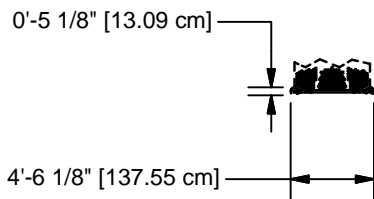


### INSTALLATION INSTRUCTIONS

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	ENCLOSURE WELD ASS'Y	1	212254
	TRU-LOC	2	A03650
	<b>HARDWARE COMPLETE</b>	1	212412
	3/8" x 2" P.B.H.C.S. w/PATCH	2	812055*
	3/8" LOCKWASHER	2	817334*
	ALUM. PIN	2	203568*

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

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

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

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

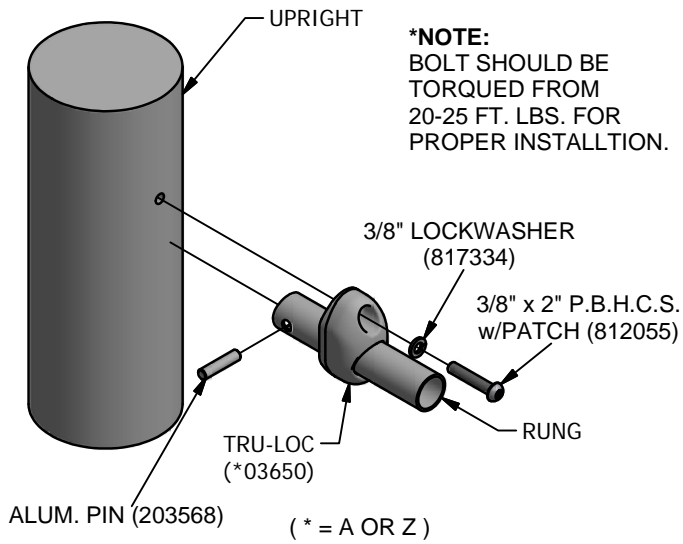
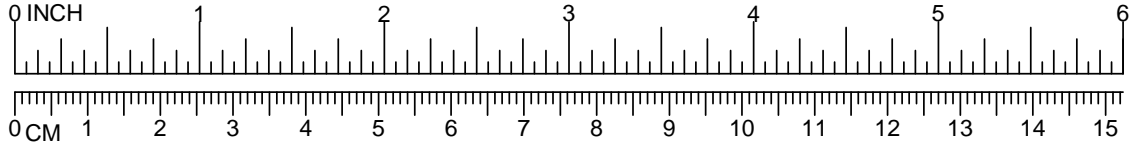
# DETAILS -for- 91458

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