



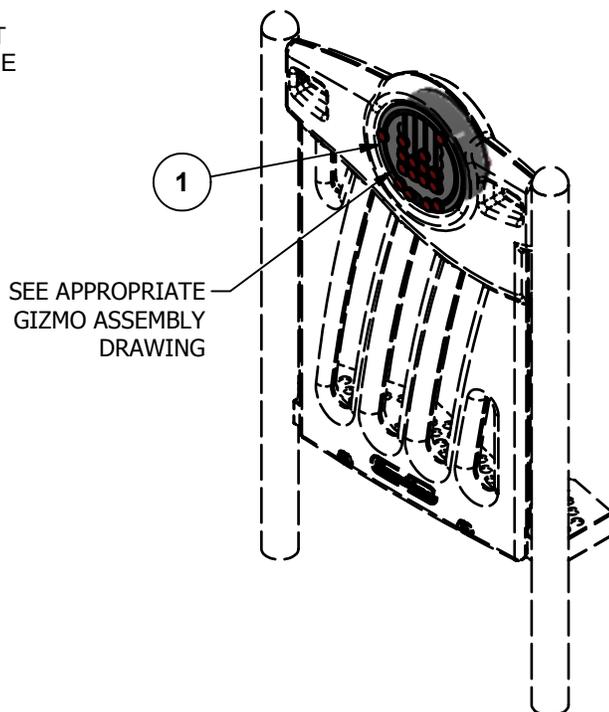
A **PLAYCORE** Company
1-800-235-2440

4870

GIZMO 3 IN-A-ROW

ISSUED/REVISED: 10/23/2019

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE



3 IN-A-ROW	4870
3 IN-A-ROW W/ BACK	4871
3 IN-A-ROW W/ MAZE	4872
MAZE	4873
MAZE W/ BACK	4874

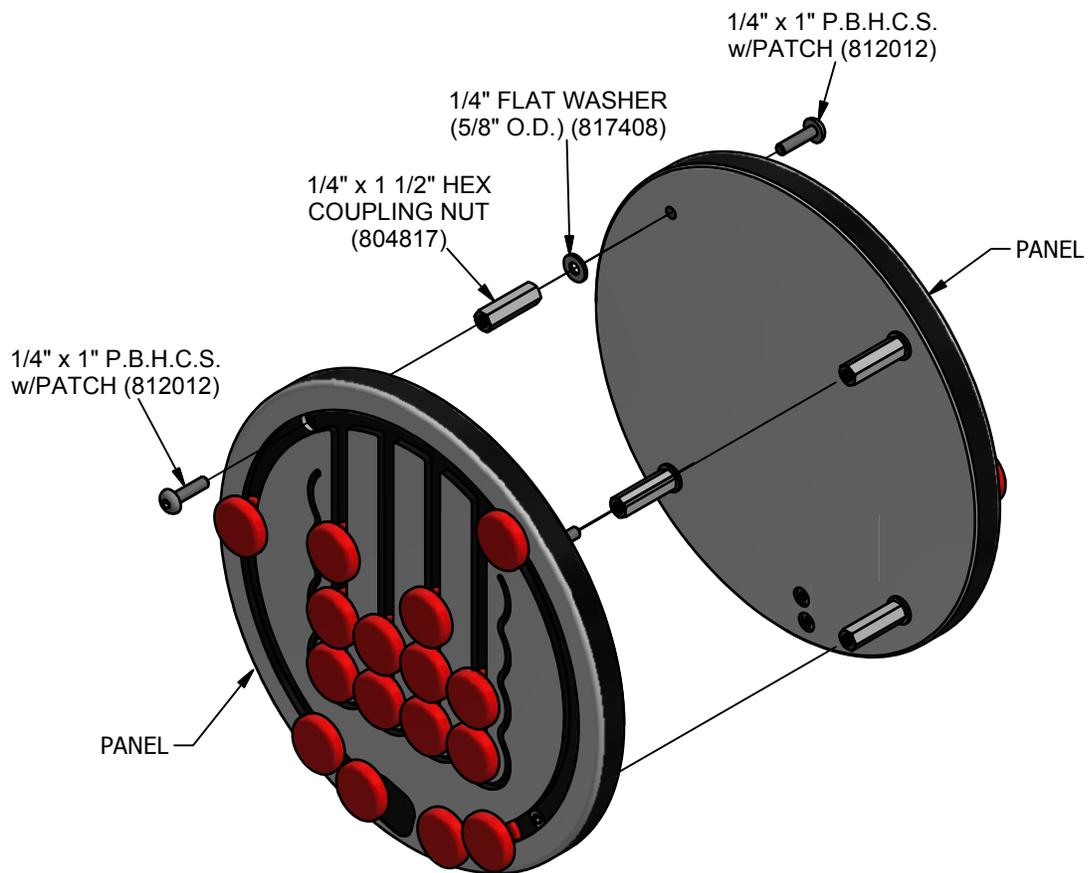
ASSEMBLY DRAWING
4870 SHOWN
OTHERS SIMILAR

Parts List							
REF	DESCRIPTION	4870	4871	4872	4873	4874	PART NUMBER
1	3 IN-A-ROW GIZMO PANEL	2	1	1	0	0	218366
2	BACK FINGER MAZE GIZMO PANEL	0	1	0	0	1	218367
3	MAZE SLIDER GIZMO PANEL	0	0	1	2	1	218368
	HARDWARE COMPLETE	1	1	1	1	1	218369
	1/4" x 1" P.B.H.C.S. w/PATCH	8	8	8	8	8	812012*
	1/4" FLAT WASHER (5/8" O.D.)	4	4	4	4	4	817408*
	1/4" x 1 1/2" HEX COUPLING NUT	4	4	4	4	4	804817*

*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.



ASSEMBLY DRAWING
4870/4871/4872/4873/4874



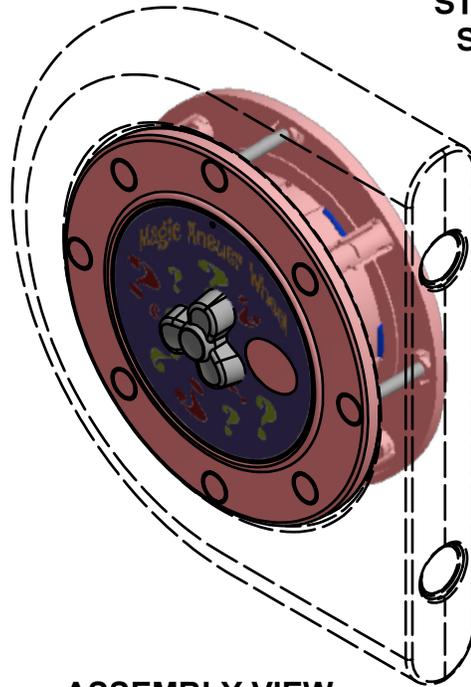
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4956

GIZMO ASSEMBLIES

ISSUED/REVISED: 11/15/2021

- ANSWER WHEEL 4956
- BUBBLE MIRROR 4957
- HYPNO WHEEL 4958
- MAZE WHEEL 4959
- STAINED GLASS YELLOW 4960
- STAINED GLASS GREEN 4961
- ECHO CHAMBER 4962



ASSEMBLY VIEW
4956 SHOWN
OTHERS SIMILAR

Parts List								
DESCRIPTION	4956	4957	4958	4959	4960	4961	4962	PART NUMBER
ANSWER WHEEL	1	0	0	0	0	0	0	219419
BUBBLE MIRROR	0	1	0	0	0	0	0	219420
HYPNO WHEEL	0	0	1	0	0	0	0	219421
MAZE WHEEL	0	0	0	1	0	0	0	219422
STAINED GLASS YELLOW	0	0	0	0	1	0	0	219423
STAINED GLASS GREEN	0	0	0	0	0	1	0	219725
ECHO CHAMBER	0	0	0	0	0	0	1	220825

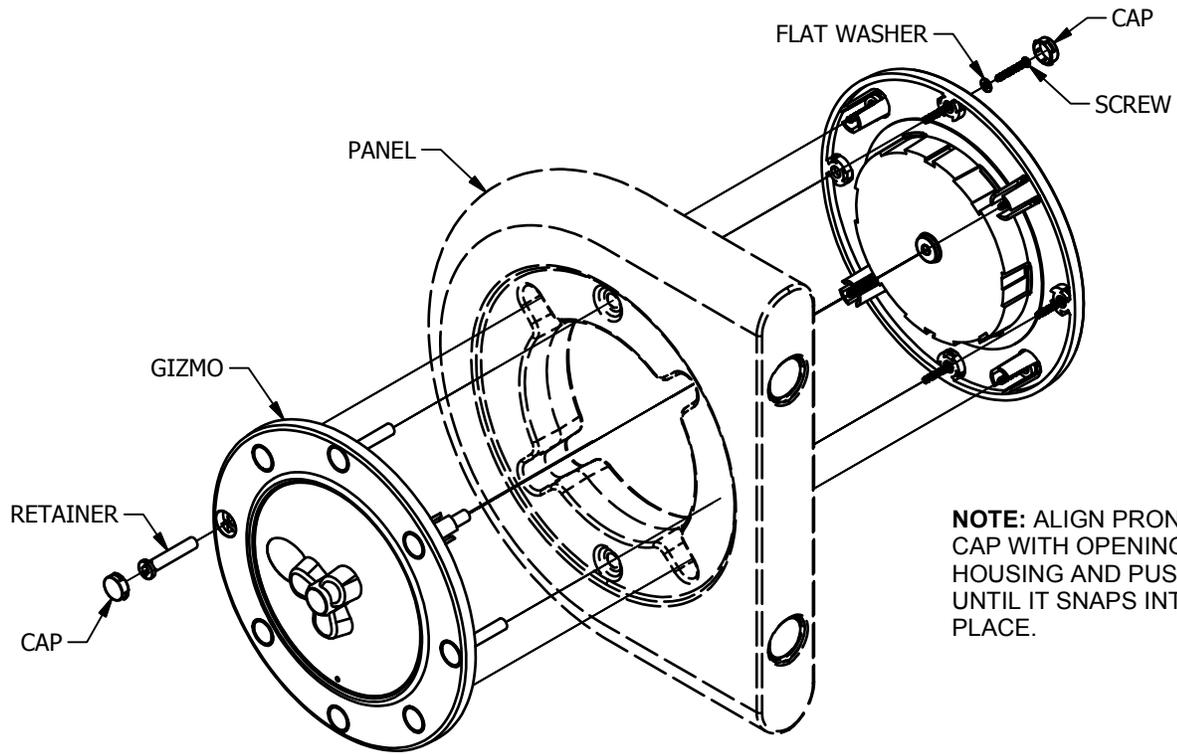
Unless Otherwise Specified, All Units of Measure are Each

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

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

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

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

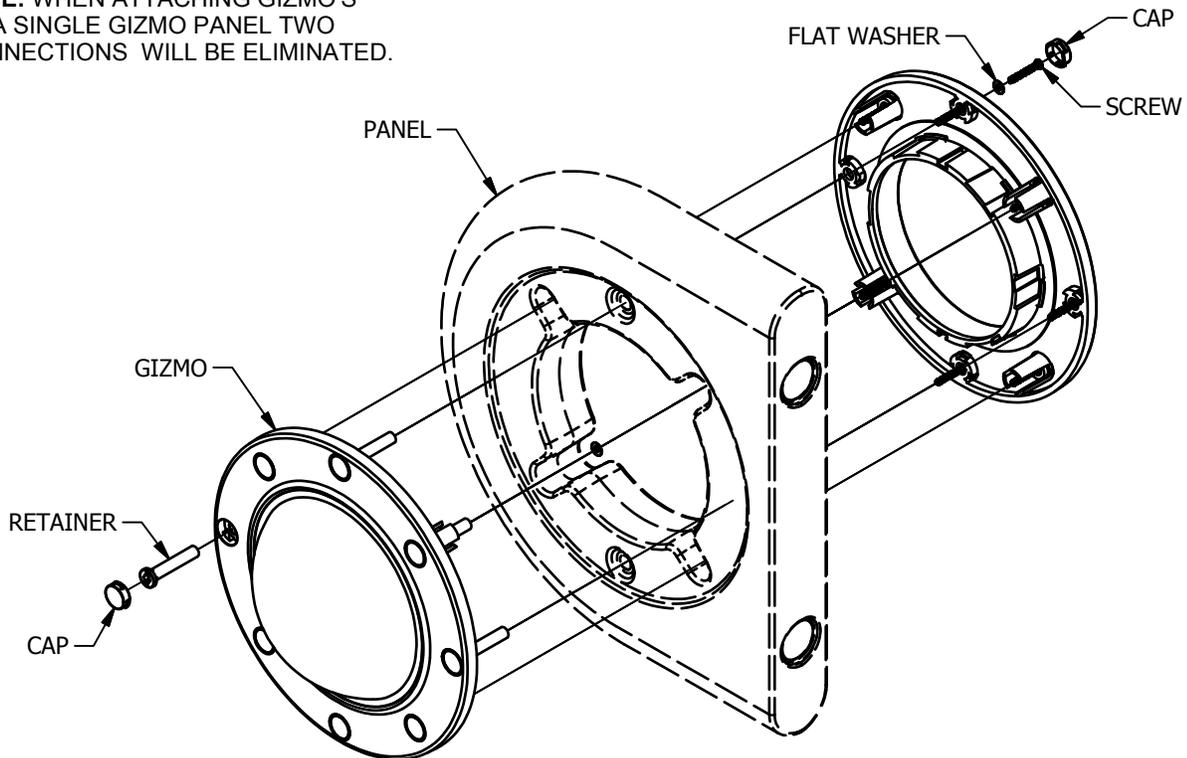


NOTE: ALIGN PRONGS OF CAP WITH OPENINGS OF HOUSING AND PUSH IN UNTIL IT SNAPS INTO PLACE.

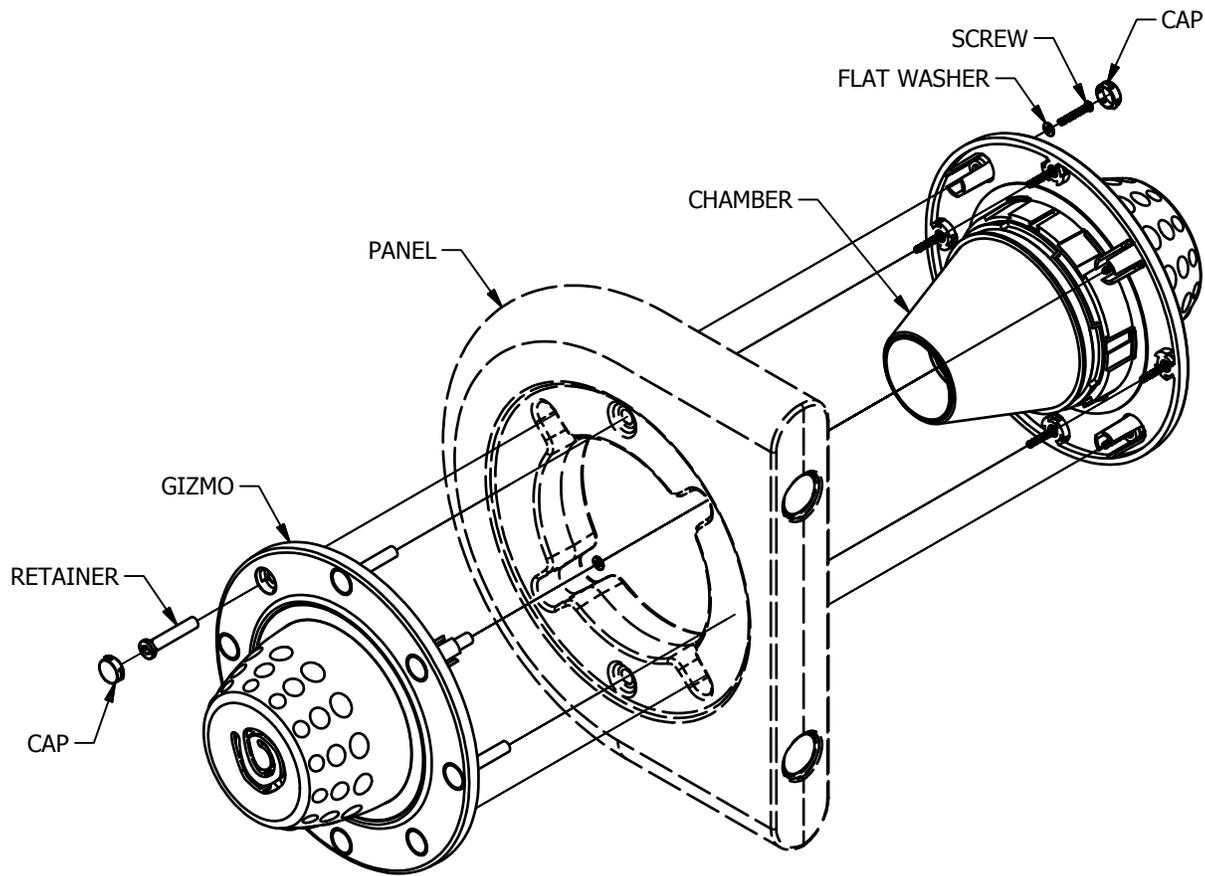
DETAIL VIEW
4956, 4958, AND 4959

4956 ONLY: MOUNT ANSWER WHEEL SO ANSWER IN WINDOW IS ON THE RIGHT SIDE.

NOTE: WHEN ATTACHING GIZMO'S TO A SINGLE GIZMO PANEL TWO CONNECTIONS WILL BE ELIMINATED.



DETAIL VIEW
4957, 4960, AND 4961



DETAIL VIEW
4962 ONLY

NOTE: WHEN ATTACHING GIZMO'S TO A SINGLE GIZMO PANEL TWO CONNECTIONS WILL BE ELIMINATED.

NOTE: ALIGN PRONGS OF CAP WITH OPENINGS OF HOUSING AND PUSH IN UNTIL IT SNAPS INTO PLACE.



Enriching Childhood Through Play™

1-800-235-2440

7086

FREESTANDING ROCKSCAPE

ISSUED/REVISED: 4/26/13

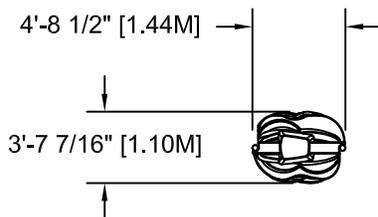
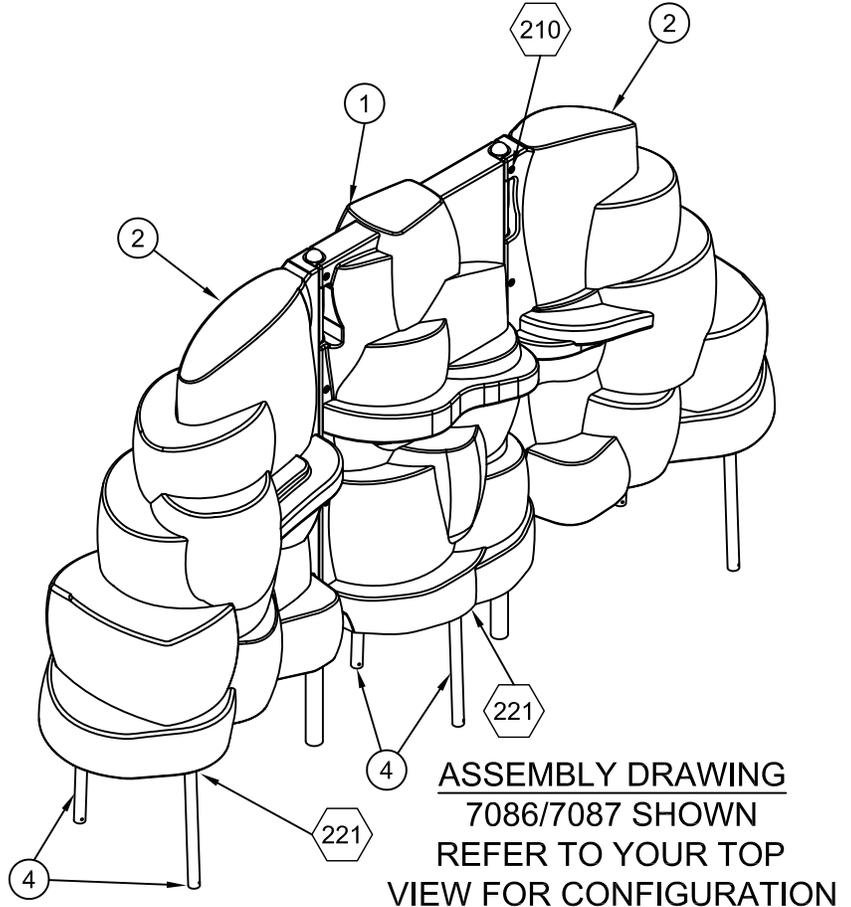
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

ROCKSCAPE VERT ROCK	7086
ROCKSCAPE ARCH ROCK	7087
ROCK STEP	7088
ROCK STEP ATTACHMENT	7095

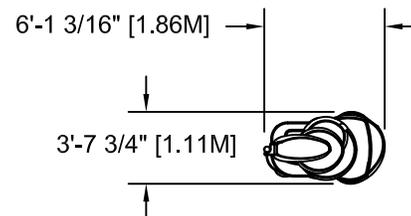


INSTALLATION INSTRUCTIONS

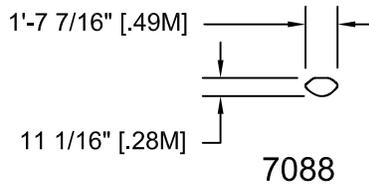
- Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.



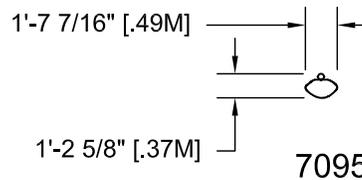
7086



7087

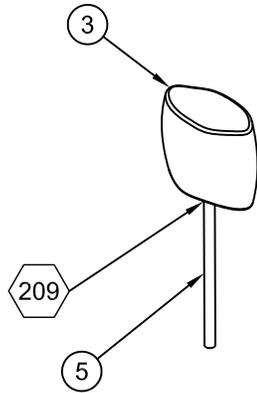


7088

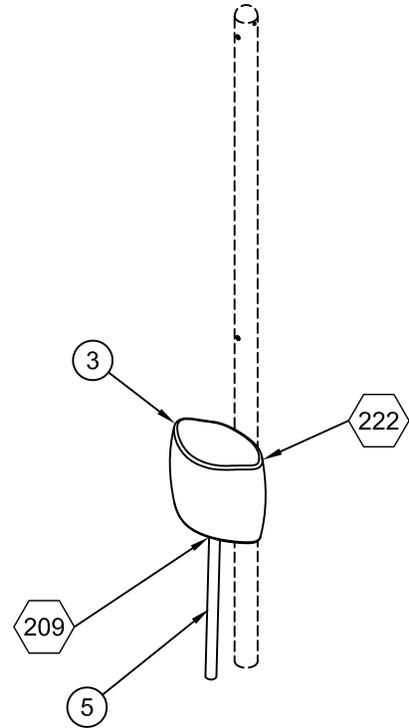


7095

TOP VIEWS



7088



7095

PARTS LIST

REF. NO.	DESCRIPTION	No. REQ'D.				PART NUMBER
		7086	7087	7088	7095	
1	RockScape Vert Rock	1	0	0	0	179352
2	RockScape Arch Rock	0	1	0	0	179353
3	Rock Step	0	0	1	1	179398
4	Footbuck Ass'y	2	2	0	0	179688
5	Rock Step Footbuck	0	0	1	1	179684
	Hardware Complete	1	0	0	0	179656
	Hardware Complete	0	1	0	0	179657
	Hardware Complete	0	0	1	0	179661
	Hardware Complete	0	0	0	1	179785
	3/8" x 1" P.B.H.C.S. w/Patch	4	4	6	6	812050*
	3/8" x 1 1/4" P.B.H.C.S. w/Patch	0	0	0	2	812051*
	3/8" x 2 1/4" P.B.H.C.S. w/Patch	8	4	0	0	812056*
	3/8" Lockwasher	12	8	6	8	817334*
	3/8" Flatwasher	4	4	6	8	817410*
	3/8" Flatwasher (1 1/4" O.D.)	8	4	0	0	817424*

* Included in Hardware

Unless Otherwise Specified, All Units of Measure are Each

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

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

SPECIFICATIONS

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

METAL COMPONENTS: The Rock Step Footbuck shall be fabricated from 1 5/8" O.D. x .083" (14 Gauge) galvanized steel pipe, 3/16" hot rolled flat steel. The Footbuck shall be fabricated from 2 3/8" O.D. x .95" (13Gauge) galvanized steel tubing and and formed .09" (12 gauge) hot rolled steel plate. The Footbuck Weld Assemblies shall be all welded assemblies and shall be coated with a custom formula of TGIC polyester powder.

STEEL TUBING: All tubing used to manufacture components shall be an electrical resistance welded, cold rolled, high strength steel tubing. The exterior coating will consist of an in line hot-dipped uniform zinc galvanizing, chromate conversion, and acrylic over-coating. The interior coating will consist of a special organic acrylic modified polyester.

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

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

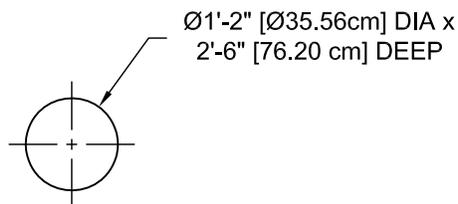
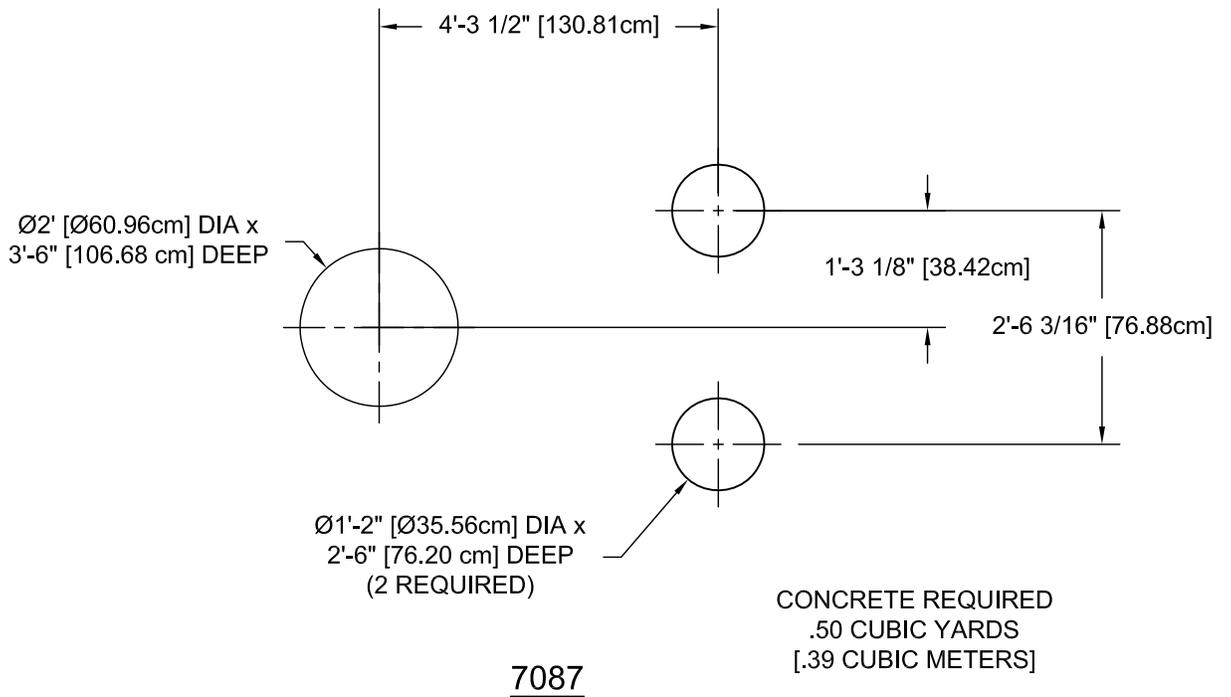
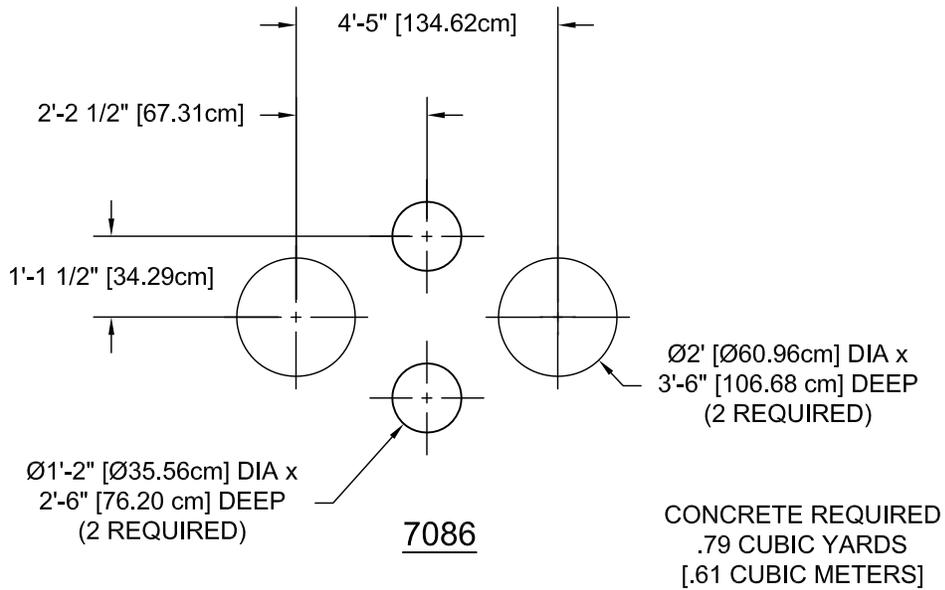
SPECIFICATIONS: GAMETIME has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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



7088/7095

GROUND PLANS

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

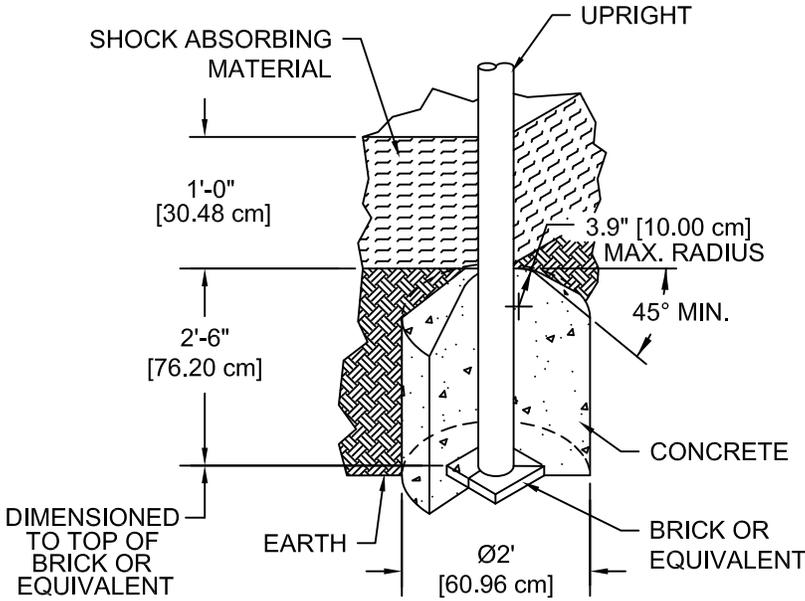
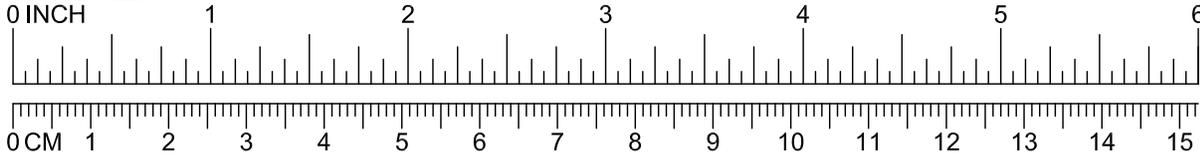
NOTE:
HOLE DEPTHS INDICATED ON ALL
GROUND PLANS ARE MEASURED FROM
THE FINISHED SURFACE. SEE DETAIL
223. ALL FOOTING DIMENSIONS ARE
BASED ON LEVEL FINISHED SURFACE.

DETAILS -for- 7086, 7087, 7088 & 7095

IMPORTANT

To Reduce the Risk of Clothing Entanglement in Compliance with ASTM F1487, Any Bolt End Protruding 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.

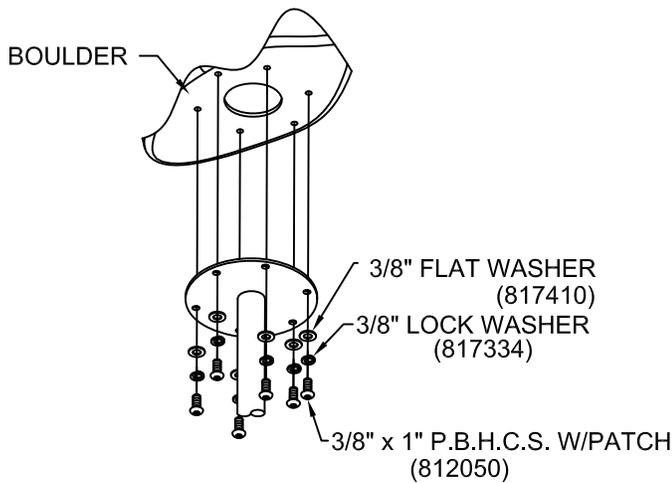


NOTES:

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

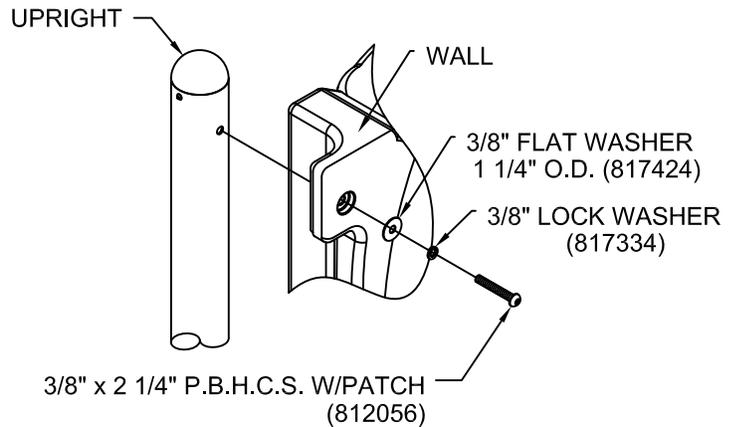
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.

223



209

ATTACH ROCK STEP TO UPRIGHT BEFORE ATTACHING FOOTBUCK



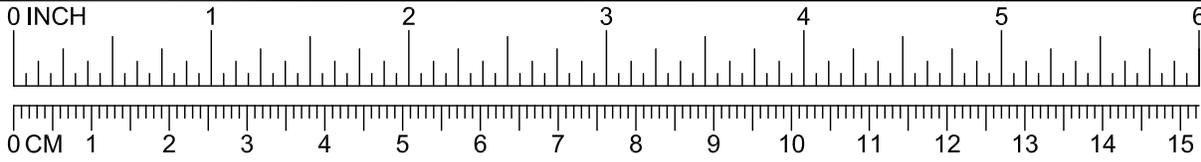
210

DETAILS -for- 7086, 7087, 7088 & 7095

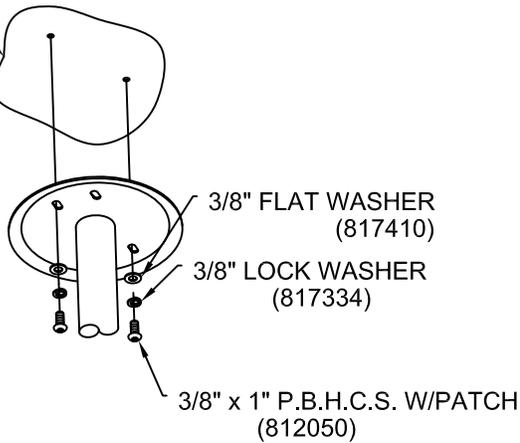
IMPORTANT

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

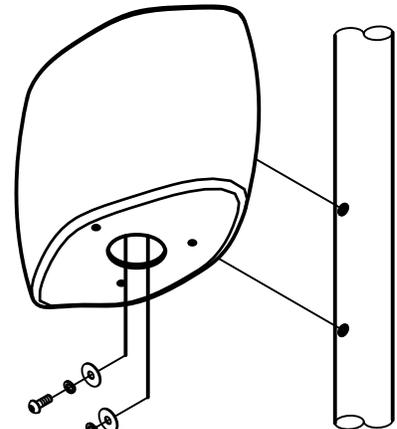
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



ROCKSCAPE WALL



221



ATTACH ROCK STEP TO UPRIGHT BEFORE ATTACHING FOOTBUCK

NOTE: DRILL THRU DRILL POINTS USING A 1/2" DIA. BIT (2 PLACES)

222

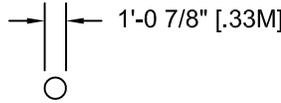


Enriching Childhood Through Play™

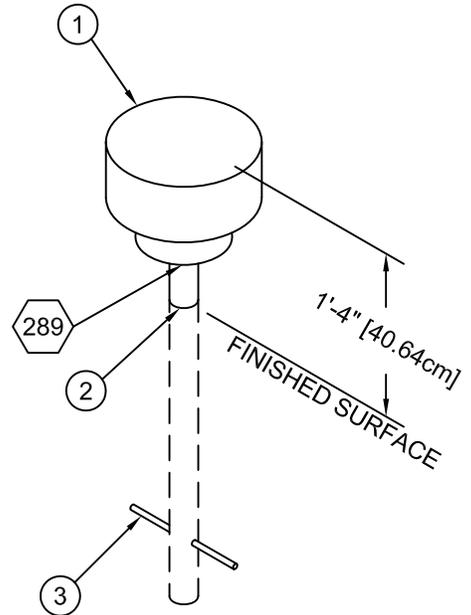
1-800-235-2440

ISSUED/REVISED: 05/05/13

-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



TOP VIEW



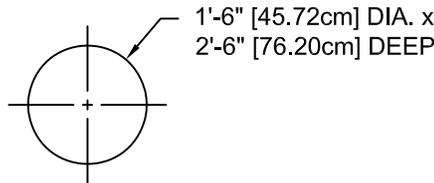
ASSEMBLY DRAWING



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.

Concrete Required:
 .10 Cubic Yards
 [.07 Cubic Meters]



GROUND PLAN

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 005. All footing dimensions are based on level finished surface.

PARTS LIST

REF. NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Toad Stool Seat	1	157594
2	Ground Extension	1	156351
	Hardware Complete	1	156507
	3/8" x 2 1/4" P.B.H.C.S. w/ Patch	2	812056*
	3/8" Lockwasher	2	817334*
	3/8" Tee-Nut	2	804556*
3	1/2" Anchor Rod	1	135038*

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

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

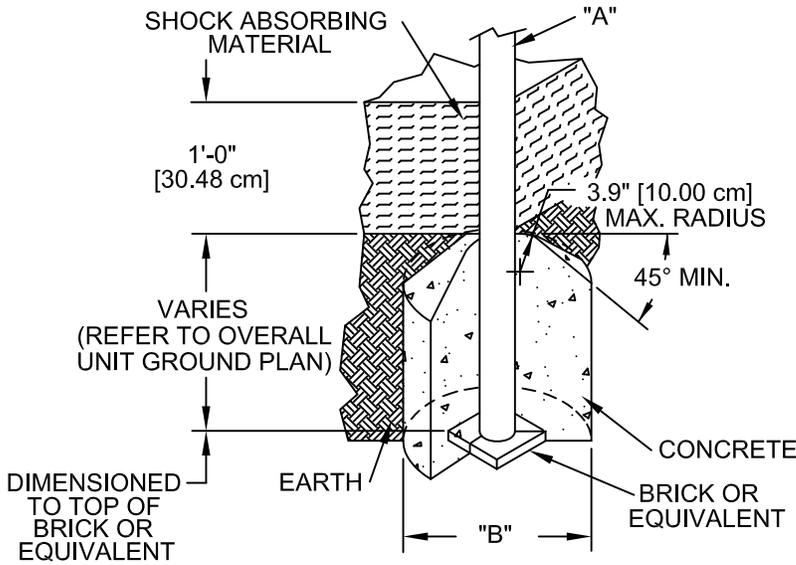
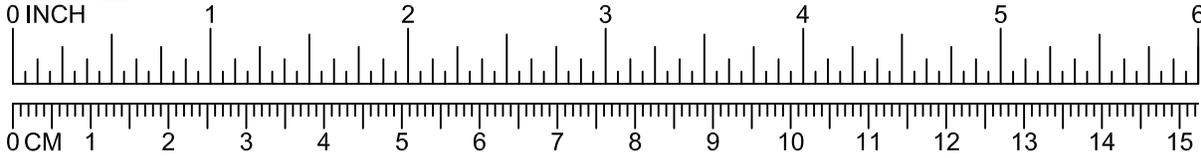
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 10768

IMPORTANT

To REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



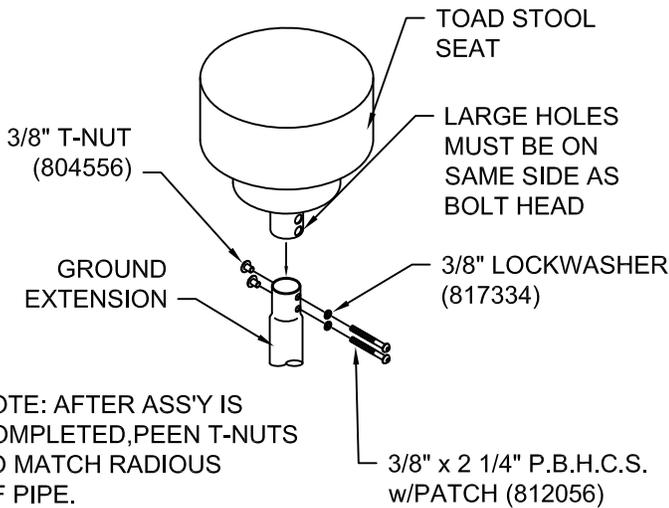
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS	
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
- 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: AFTER ASS'Y IS COMPLETED, PEEN T-NUTS TO MATCH RADIUS OF PIPE.



FOR GIZMOS, SEE INSTALLATION SHEET 4956

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

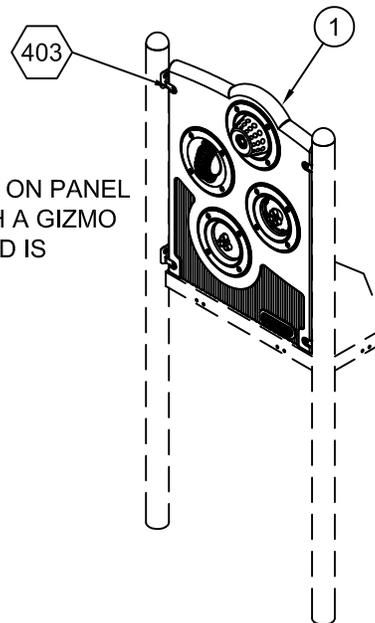
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE

INSTALLATION INSTRUCTIONS

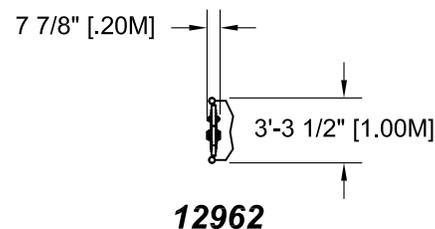
- Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.

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

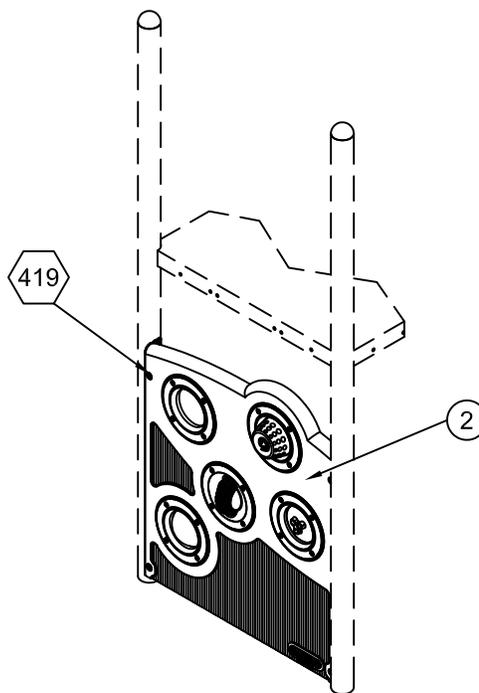
NOTE: ALL OPENINGS ON PANEL MUST BE FILLED WITH A GIZMO BEFORE PLAYGROUND IS OPERATIONAL.



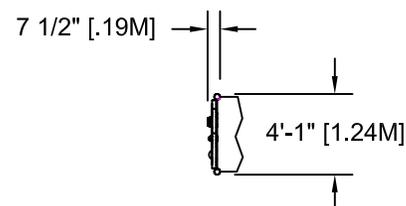
PT 36"
12962



12962

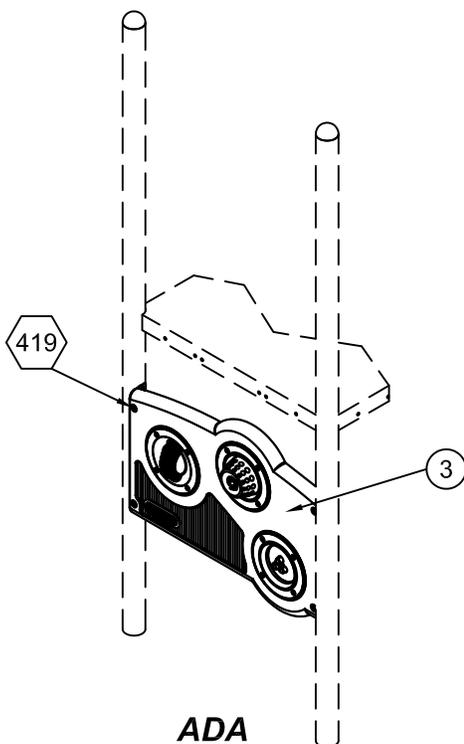


PT 45 1/2"
12963



12963 & 12968

TOP VIEWS



ADA
12968

ASSEMBLY DRAWINGS

PARTS LIST

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

Unless Otherwise Specified, All Units of Measure are Each

** Included in Hardware*

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

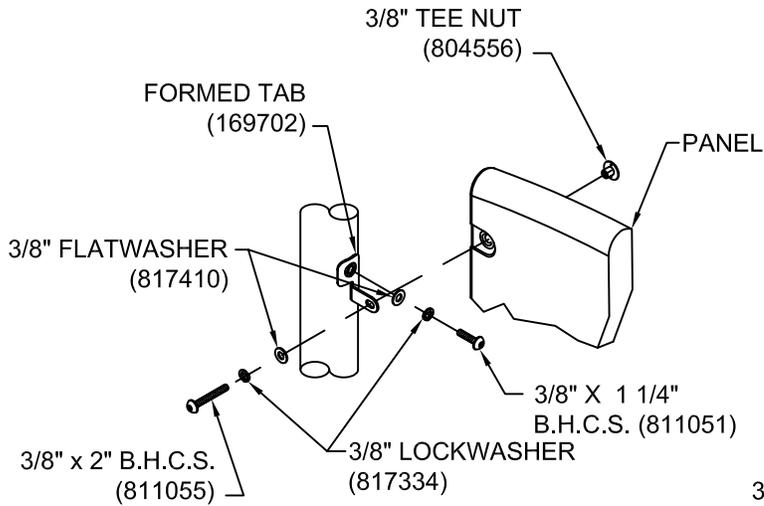
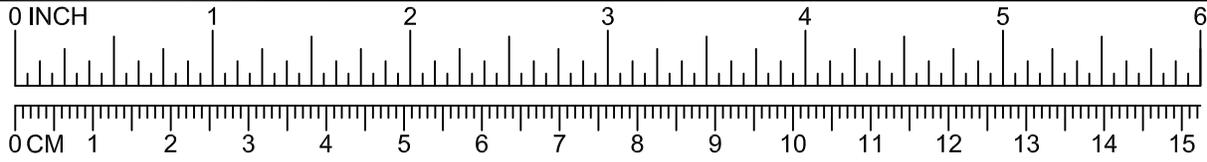
Note: Loctite (supplied by others) to be used on all threaded hardware.

DETAILS -for- 12962, 12963, AND 12968

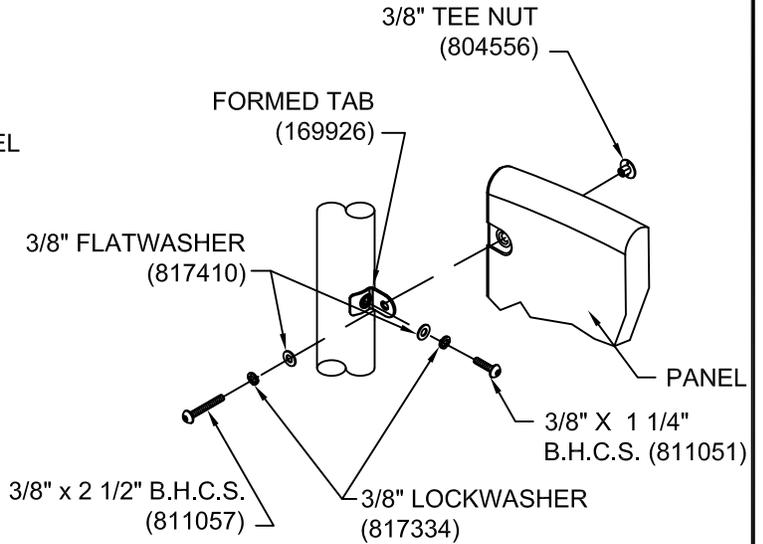
IMPORTANT

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

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



403



419



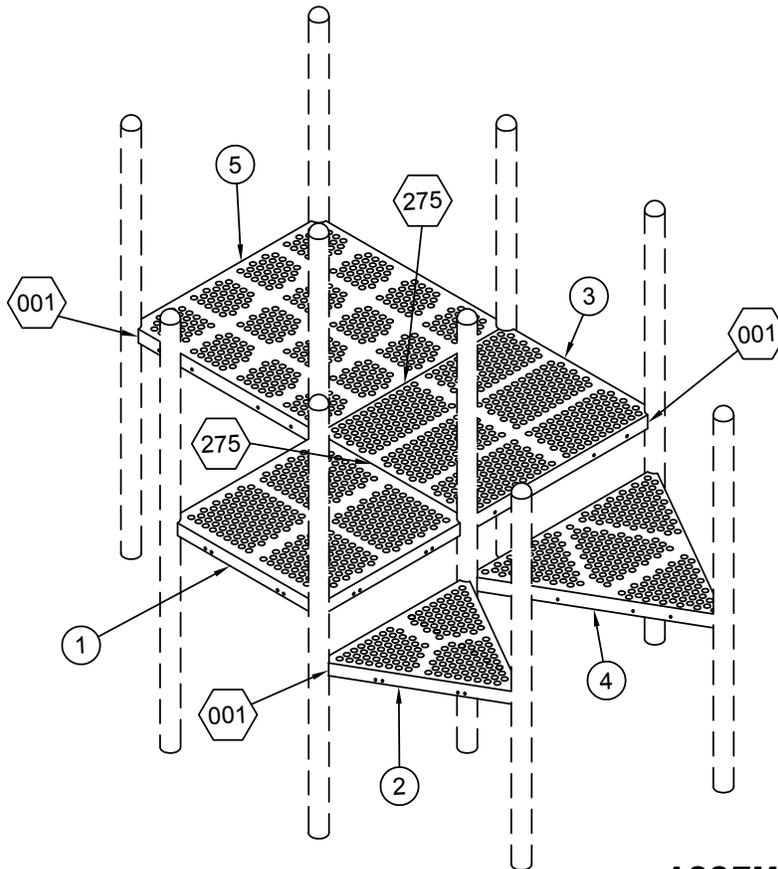
Enriching Childhood Through Play.

1-800-235-2440

ISSUED/REVISED: 05/12/05

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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

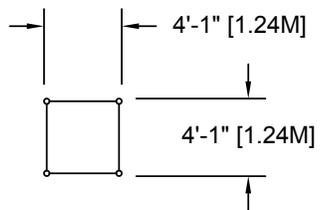
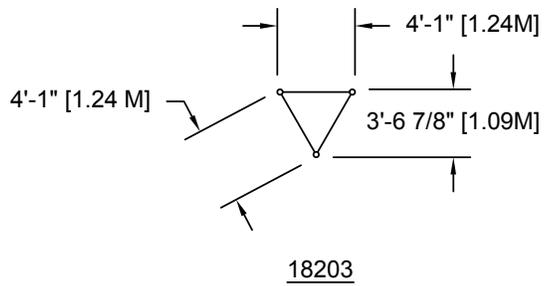
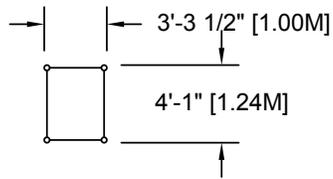
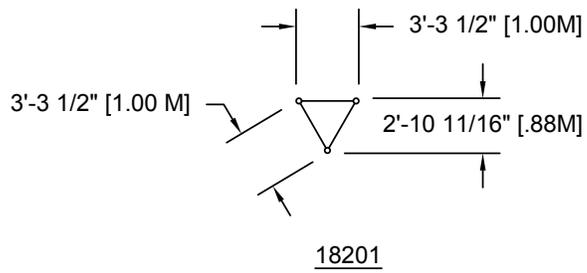
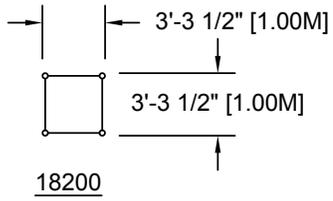


ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

- 1.) Before assembling this equipment, read the enclosed INSTALLER INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
- 2.) Using a 1/2" [1.27 cm] drill bit, remove the vinyl coating from the four corner mounting holes. When decks are to be installed side by side at the same level, remove the coating from the (2) holes in the mating edges; for a rectangular deck, use the (2) holes nearest the middle.
- 3.) Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
- 4.) Loctite (supplied by others) should be used on any non-patch hardware.

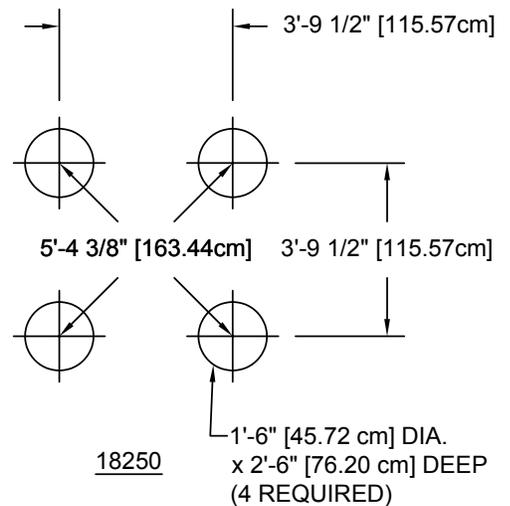
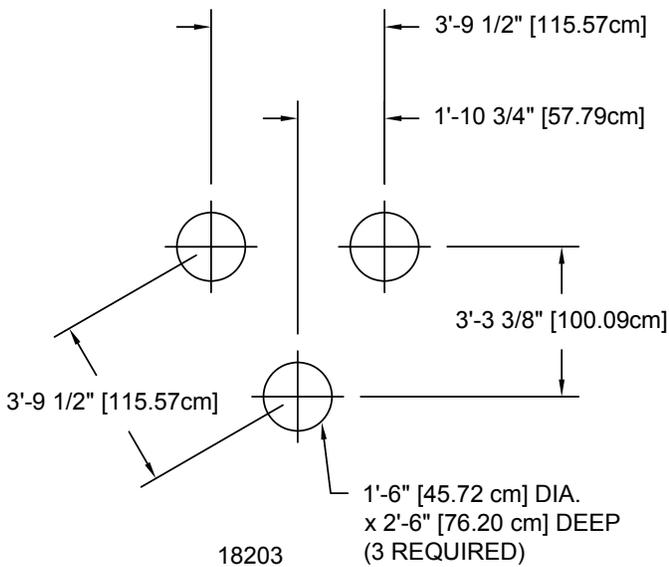
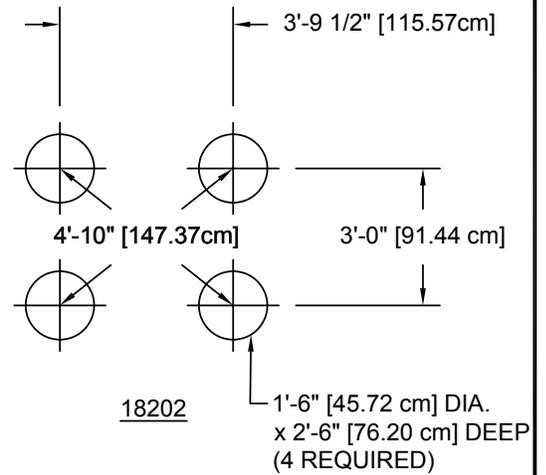
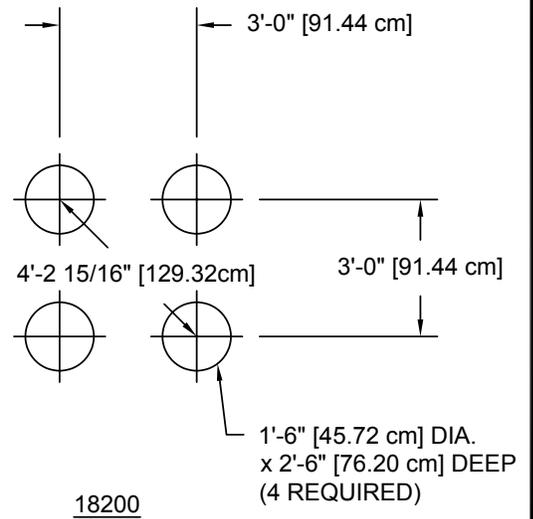
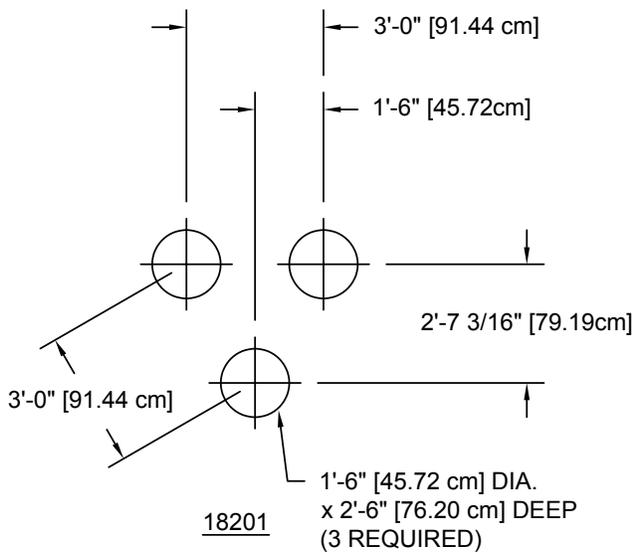
TOP VIEWS



GROUND PLANS

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

CONCRETE REQUIRED
 .10 CUBIC YARDS [.07 CUBIC METERS]
 (PER UPRIGHT GROUND HOLE)



PARTS LIST

REF NO.	DESCRIPTION	NUMBER REQUIRED					PART NUMBER
		18200	18201	18202	18203	18250	
1	Punched Metal Square Deck	1	0	0	0	0	159258
2	Punched Metal Triangular Deck	0	1	0	0	0	159312
3	Punched Metal Rectangular Deck	0	0	1	0	0	159317
4	Punched Metal Large Triangular Deck	0	0	0	1	0	159322
5	Punched Metal Large Square Deck	0	0	0	0	1	160868
	Hardware Complete	1	0	1	0	1	161522
	Hardware Complete	0	1	0	1	0	161523
	3/8" x 3/4" B.H.C.S.	2	2	2	2	2	811052*
	3/8 x 1 1/4" B.H.C.S.	4	3	4	3	4	811051*
	3/8" Lockwasher	6	5	6	5	6	817334*
	3/8" Flatwasher	6	5	6	5	6	817424*
	3/8" Tee-Nut	2	2	2	2	2	804556*

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

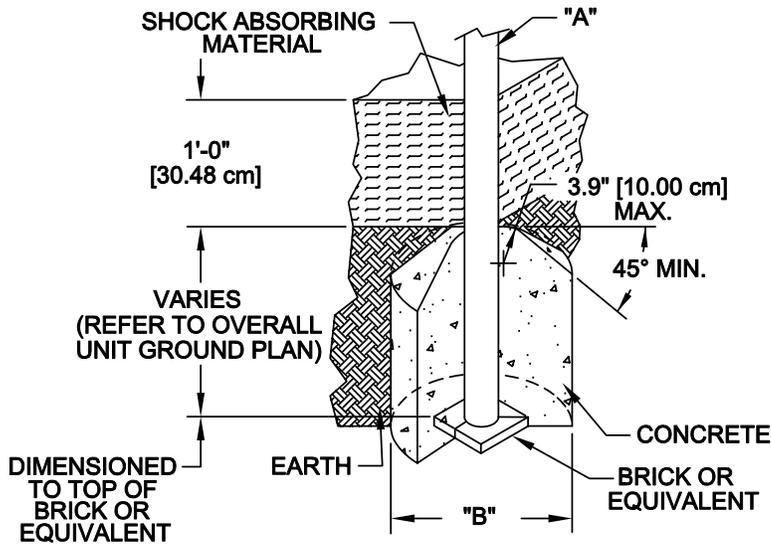
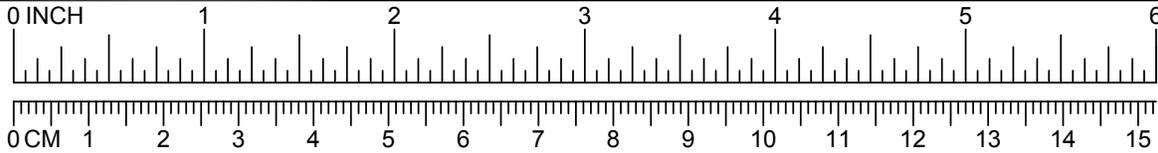
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 18200, 18201, 18202, 18203 & 18250

IMPORTANT

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

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



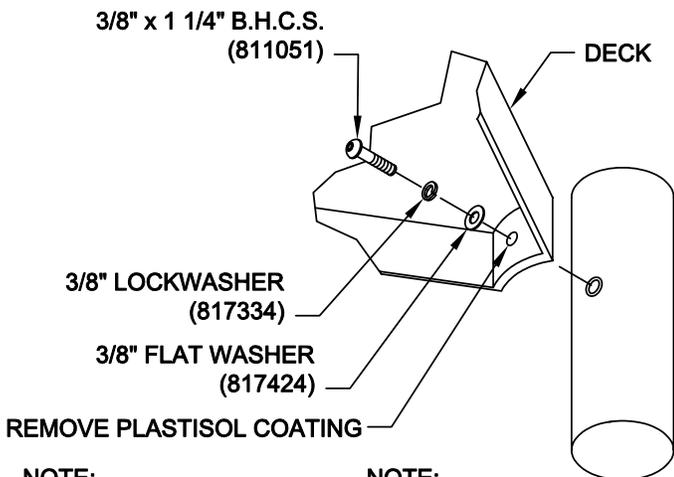
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
3 1/2" [8.89 cm]	2'-0" [60.96 cm]

NOTES:

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



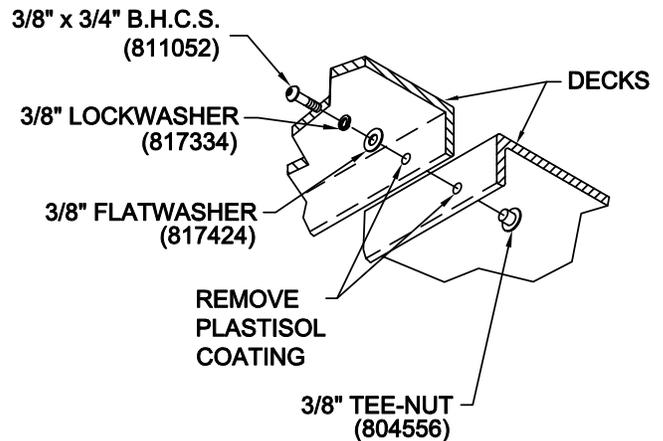
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



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



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





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1-800-235-2440

ISSUED/REVISED: 9/23/12

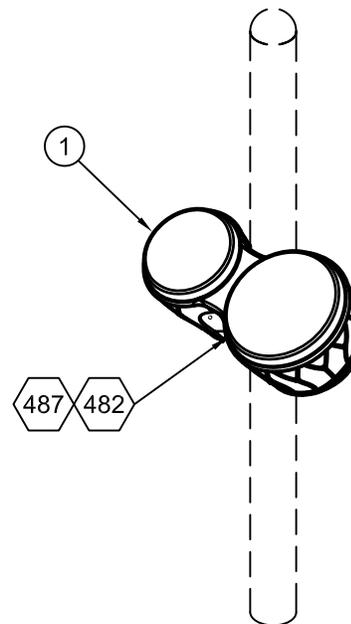
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
= REFERENCE

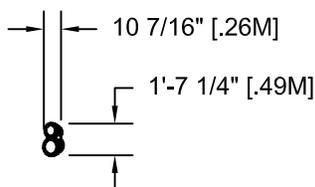
**INSTALLATION
INSTRUCTIONS**

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

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



ASSEMBLY DRAWING



TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D	PART NUMBER
1	Bongos	1	177954
	Hardware Complete	1	178082
	3/8" x 1" P.B.H.C.S.	4	811050*
	3/8" Lockwasher	4	817334*
	3/8" Flatwasher (1 1/4" O.D.)	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.

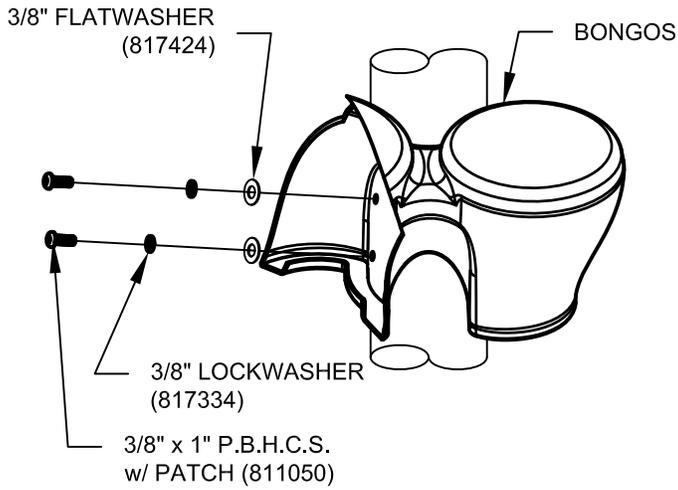
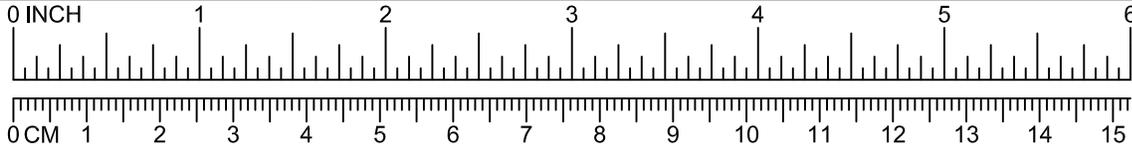
Note: Loctite (supplied by others) should be used on all threaded hardware.

DETAILS -for- 18679

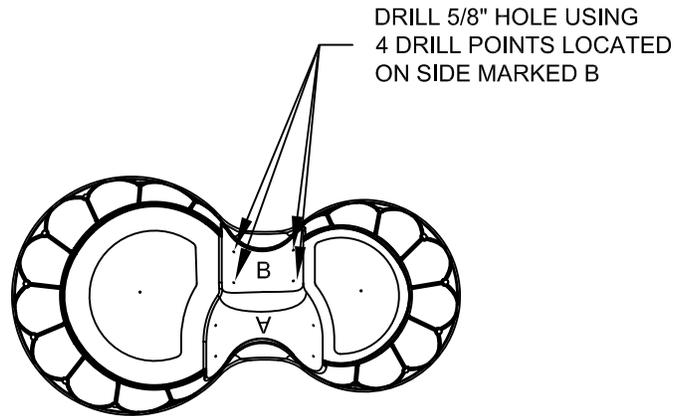
IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



482



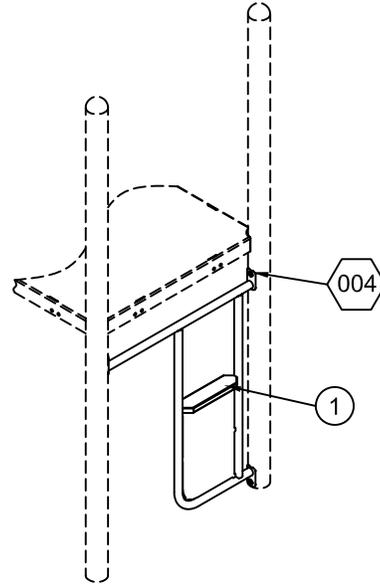
487

**STORE WINDOW
PANEL**

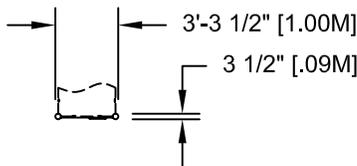
-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

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



ASSEMBLY DRAWING



TOP VIEW

PARTS LIST

REF NO.	DESCRIPTION	NO. REQ'D.	PART NUMBER
1	Store Window Assembly	1	178944
	<i>Hardware Complete</i>	1	179017
	3/8" x 1 1/4" B.H.C.S.	3	811051*
	3/8" Lockwasher	3	817334*
	3/8" Flatwasher	3	817410*

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

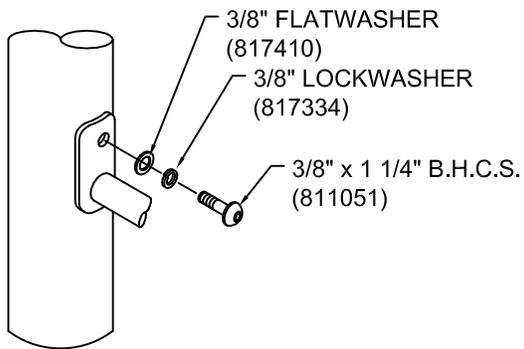
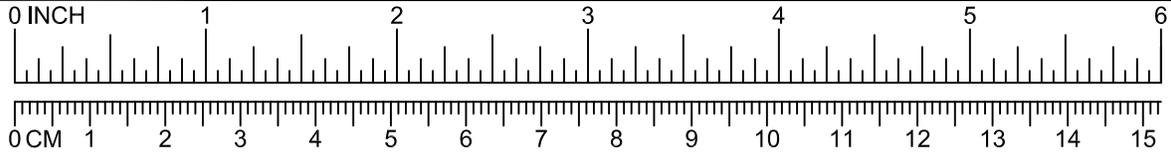
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 18699

IMPORTANT

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

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

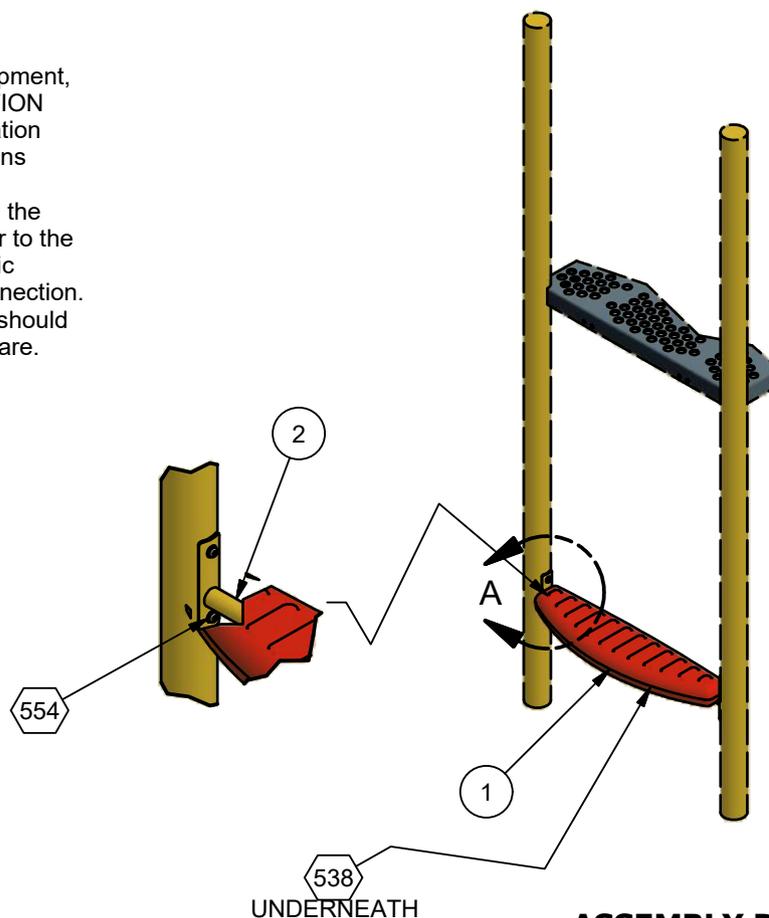


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-  = DETAIL
-  = PARTS LIST REFERENCE

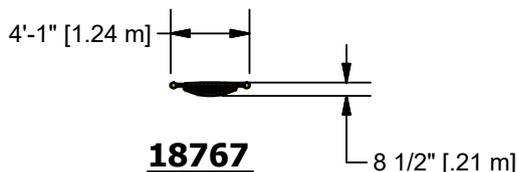
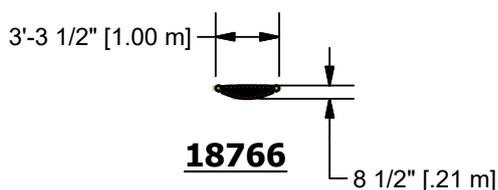
36" FUN SEAT	18766
45 1/2" FUN SEAT	18767

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.



**ASSEMBLY DRAWING
18766 SHOWN**



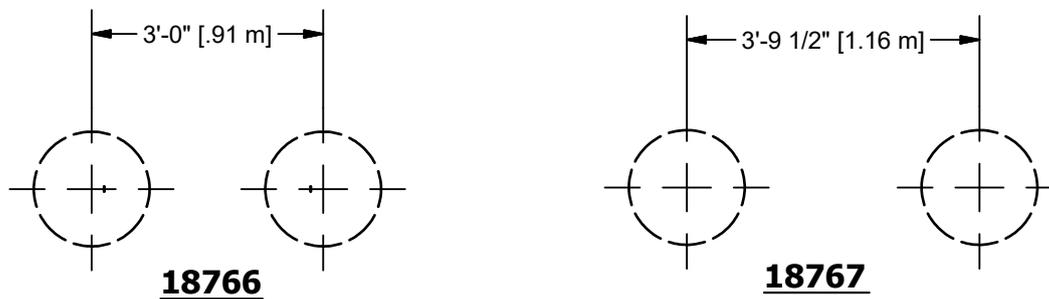
TOP VIEWS

PARTS LIST			
DESCRIPTION	18766	18767	PART NUMBER
NATURE DISCOVERY TABLE SEAT	1	1	179945
SEAT FRAME 36" WELD ASS'Y	1	0	200021
SEAT FRAME 45 1/2" WELD ASS'Y	0	1	200025
HARDWARE COMPLETE	1	1	200282
3/8" x 1 1/4" B.H.C.S.	4	4	811051*
3/8" x 1 3/4" B.H.C.S.	2	2	811054*
3/8" x 2" B.H.C.S.	2	2	811055*
3/8" FLAT WASHER	10	10	817410*
3/8" LOCK WASHER	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.



GROUND PLANS

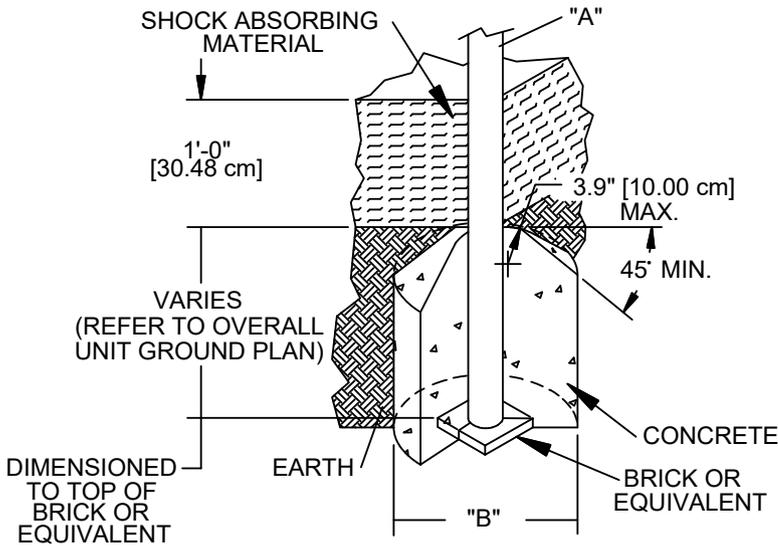
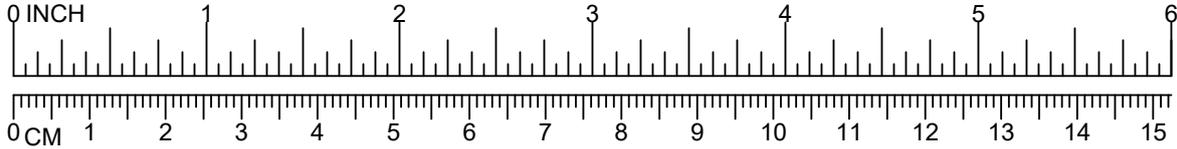
DETAILS -for- 18766 & 18767

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



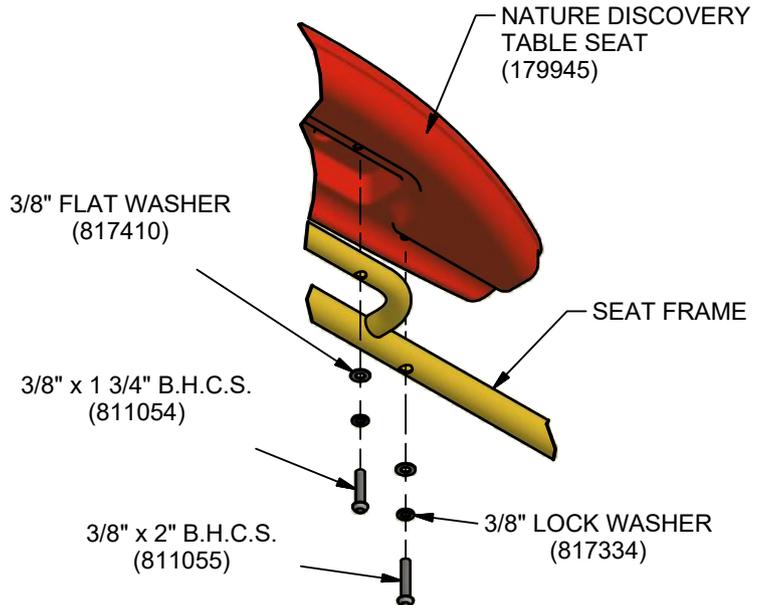
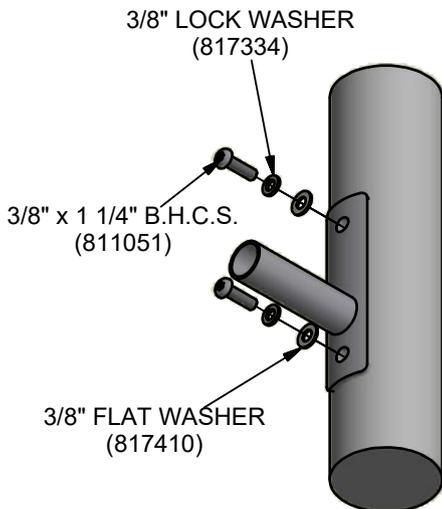
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]
TRACK RIDE & SWINGS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



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A PLAYCORE Company

1-800-235-2440

ISSUED/REVISED: 5/14/18

18831 UMBRA ROOF EXTENSION

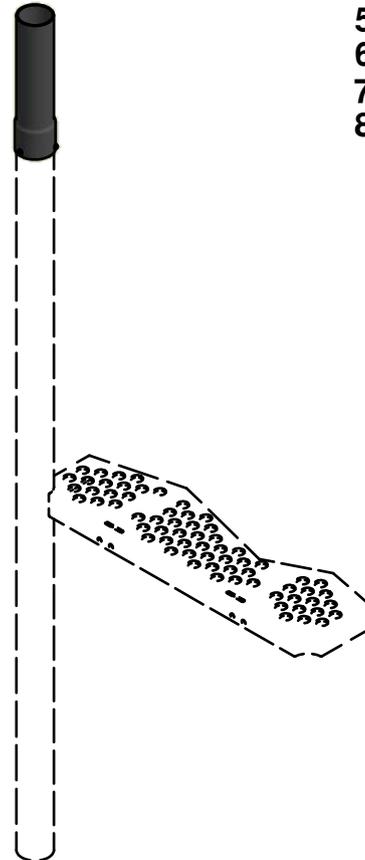
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

1 FT.	18831
2 FT.	18832
3 FT.	18833
4 FT.	18834
5 FT.	18835
6 FT.	18836
7 FT.	18837
8 FT.	18838

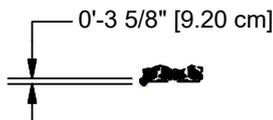


INSTALLATION INSTRUCTIONS

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



ASSEMBLY DRAWING



TOP VIEW

Parts List						
REF.	DESCRIPTION	18831	18832	18833	18834	PART NUMBER
1	ALUM PIPE	0	1	0	0	REFER TO LAYOUT
1	ALUM PIPE	0	0	1	0	REFER TO LAYOUT
1	ALUM PIPE	0	0	0	1	REFER TO LAYOUT
	HARDWARE COMPLETE	1	1	1	1	221321
	1/4-20 X 1" SS TAPPING SCREW	3	3	3	3	HWS0021*

Parts List						
REF.	DESCRIPTION	18835	18836	18837	18838	PART NUMBER
1	ALUM PIPE	1	0	0	0	REFER TO LAYOUT
1	ALUM PIPE	0	1	0	0	REFER TO LAYOUT
1	ALUM PIPE	0	0	1	0	REFER TO LAYOUT
1	ALUM PIPE	0	0	0	1	REFER TO LAYOUT
	HARDWARE COMPLETE	1	1	1	1	221321
	1/4-20 X 1" SS TAPPING SCREW	3	3	3	3	HWS0021*

*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.

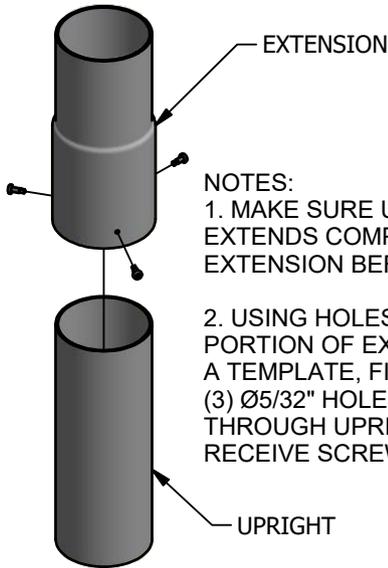
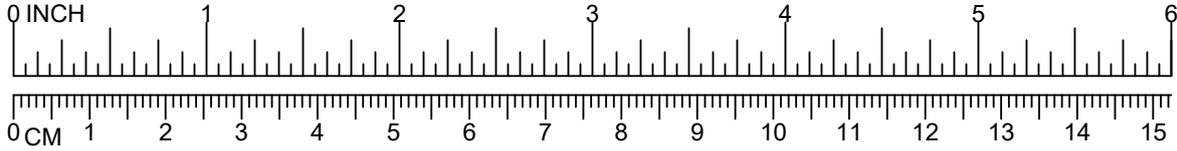
DETAILS -for- 18831, 18832, 18833, 18834, 18835, 18836, 18837 & 18838

IMPORTANT

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

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

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



NOTES:
1. MAKE SURE UPRIGHT EXTENDS COMPLETELY INTO EXTENSION BEFORE DRILLING.

2. USING HOLES IN EXPANDED PORTION OF EXTENSION AS A TEMPLATE, FIELD DRILL (3) $\varnothing 5/32$ " HOLES THROUGH UPRIGHT TO RECEIVE SCREWS.

667

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18883



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1-800-235-2440

ISSUED/REVISED: 7/11/2024

MAZE PANEL

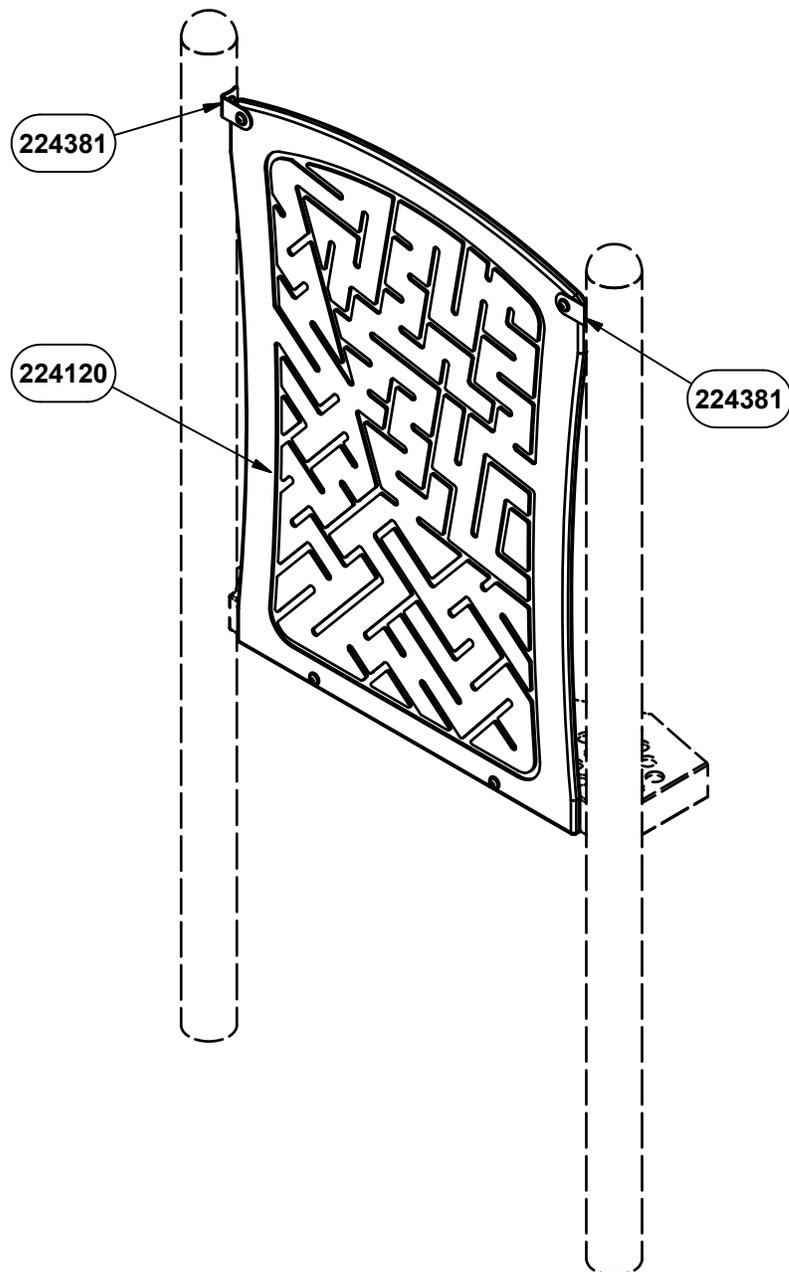


UP TO 5'-0"
DECK HEIGHTS



ALL
DECK HEIGHTS

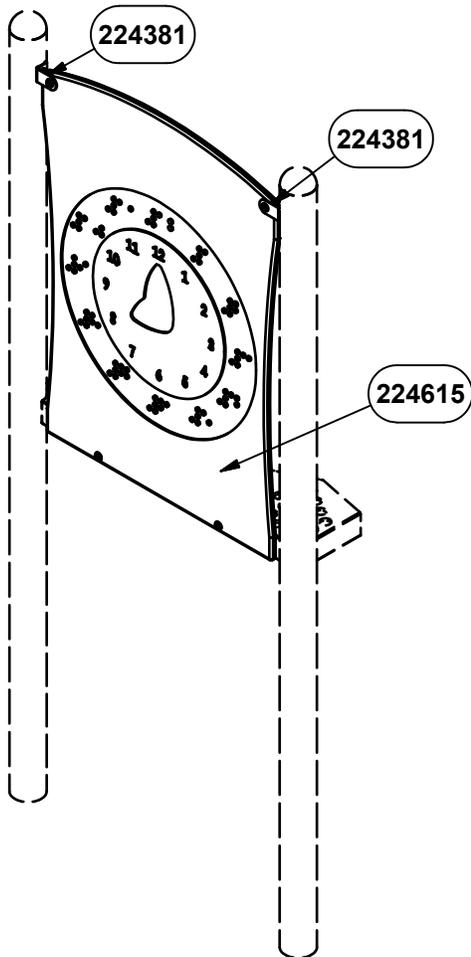
MAZE PANEL	18883
BRILLE PANEL	18900
COUNT & SPELL PANEL	18901



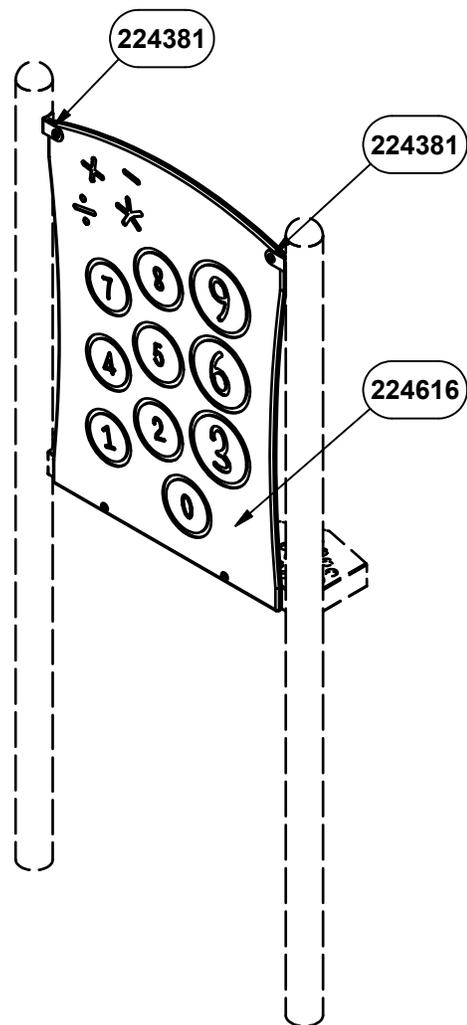
INSTALLATION INSTRUCTIONS

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. **RED THREAD LOCKER (SUPPLIED BY OTHERS) MUST BE APPLIED TO ALL NON-PATCH THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**

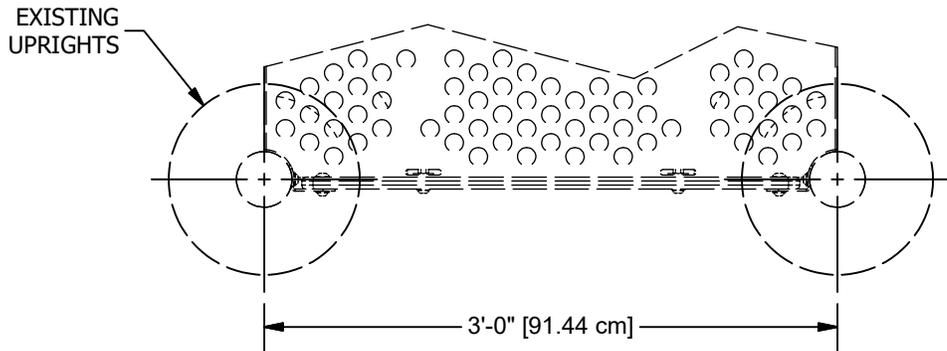
ASSEMBLY VIEW
18883 SHOWN



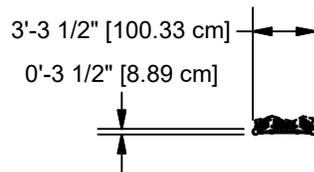
ASSEMBLY VIEW
18900 SHOWN



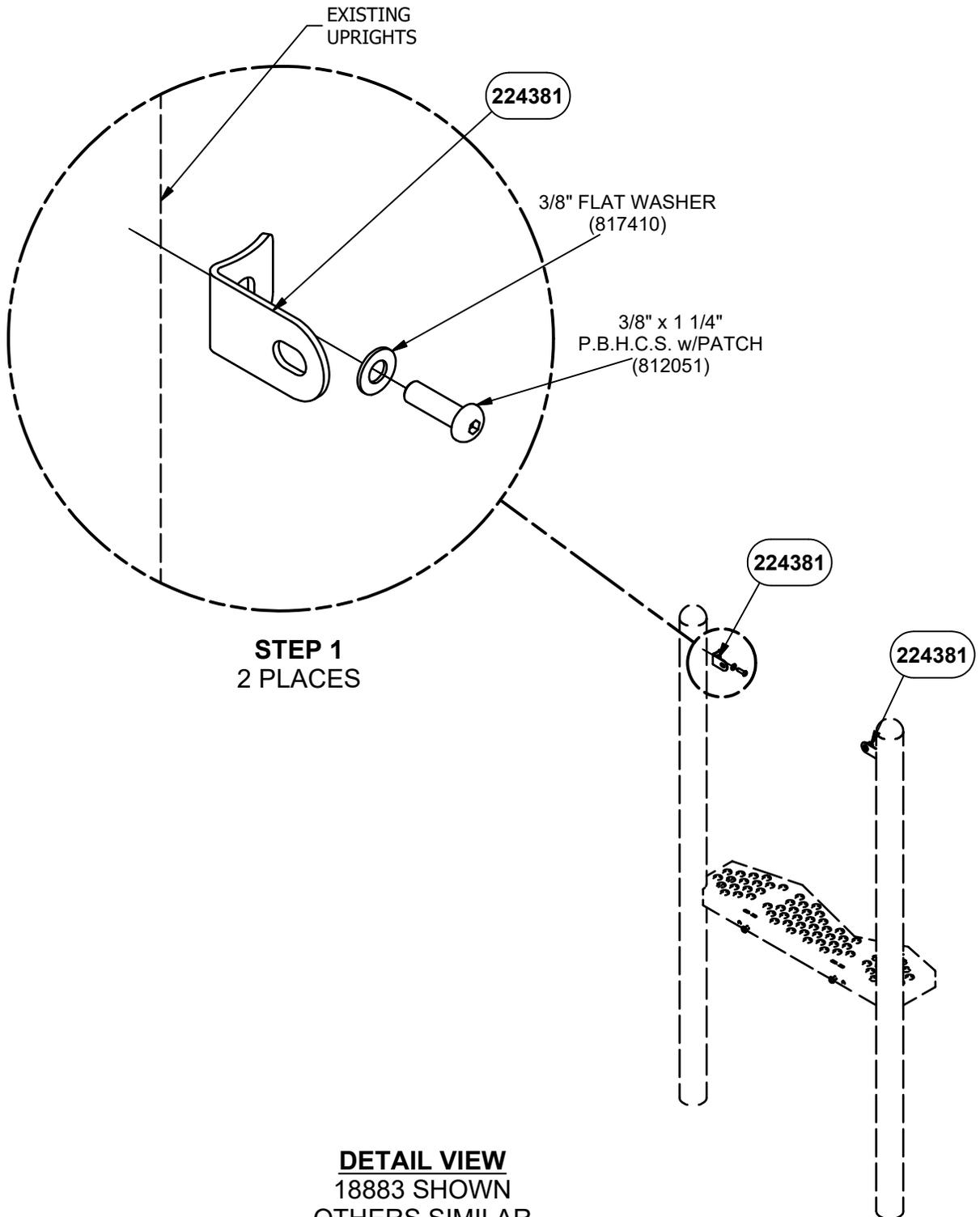
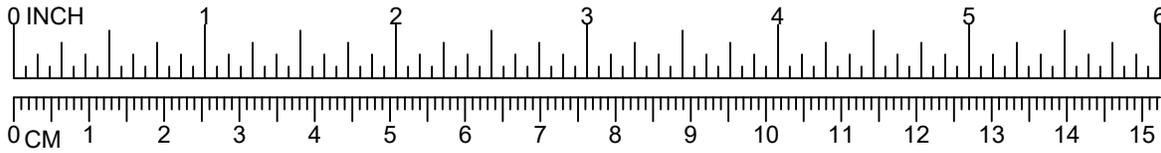
ASSEMBLY VIEW
18901 SHOWN



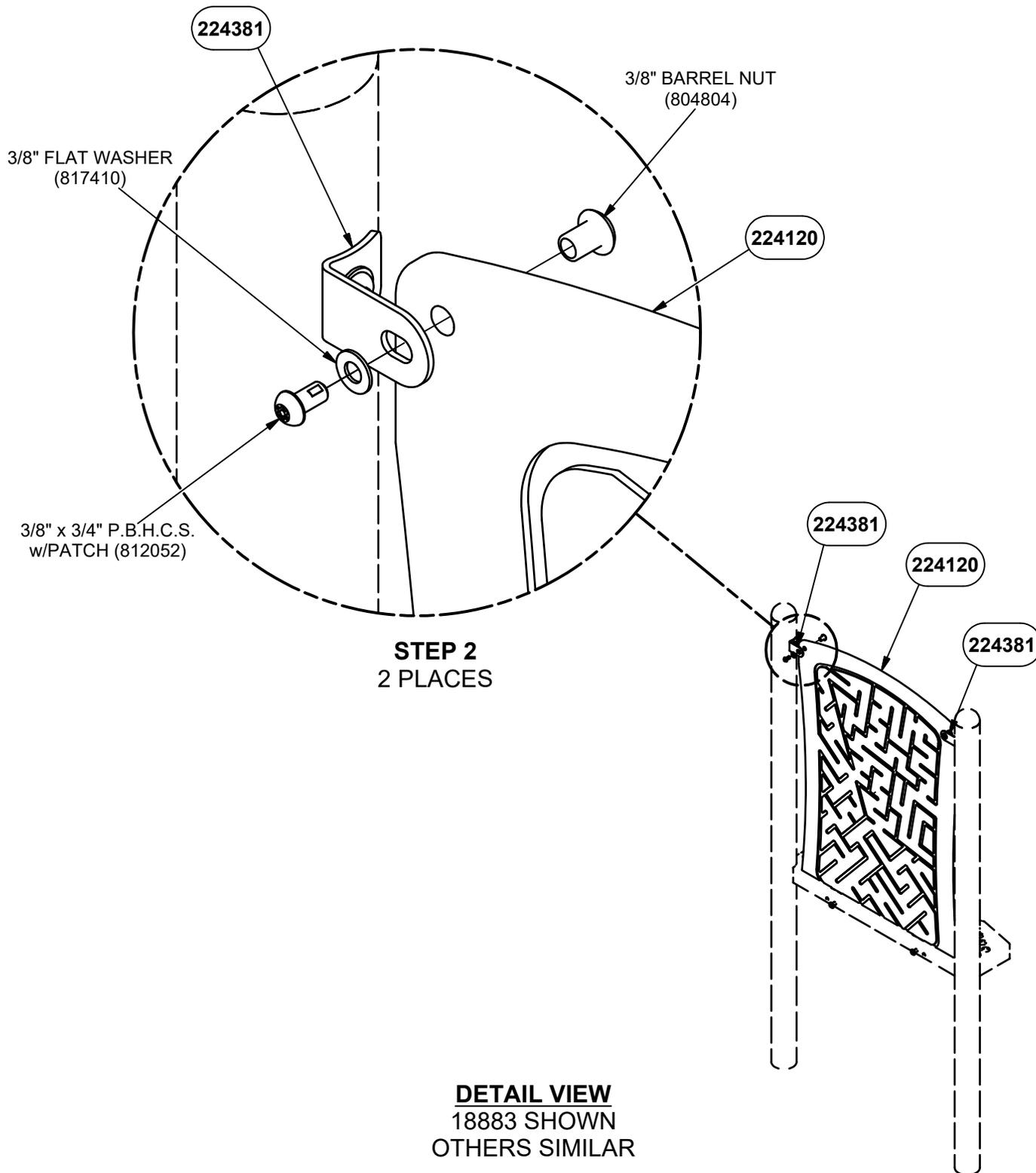
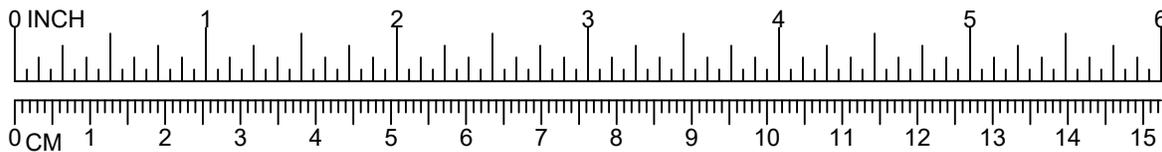
PLAN VIEW
 18883 SHOWN
 OTHERS SIMILAR



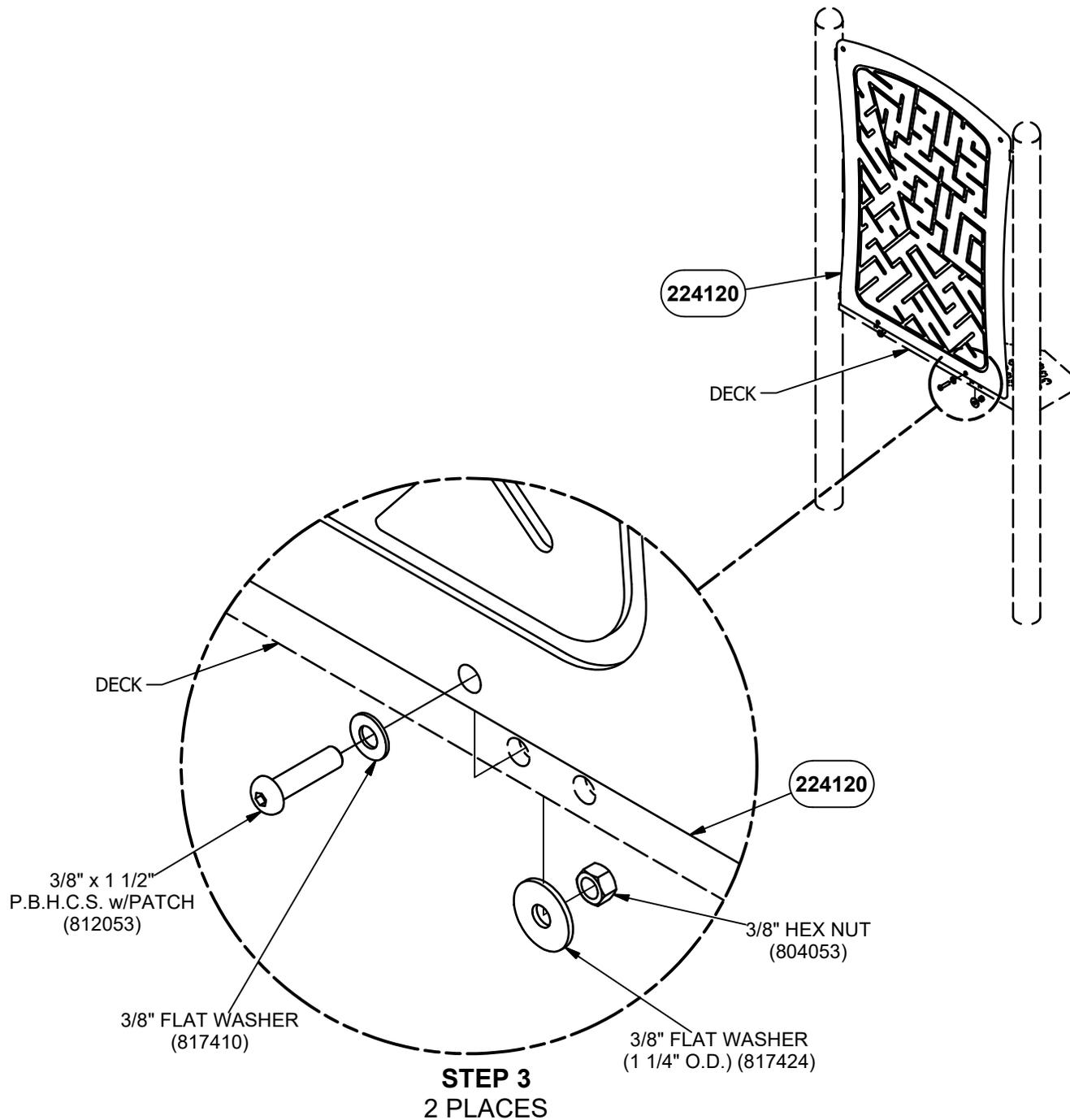
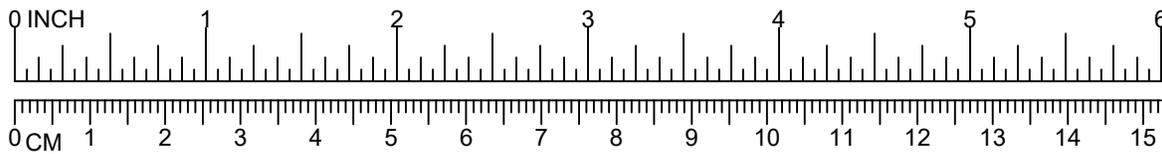
TOP VIEW
 18883 SHOWN
 OTHERS SIMILAR



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



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



DETAIL VIEW
18883 SHOWN
OTHERS SIMILAR

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

Parts List				
DESCRIPTION	18883	18900	18901	PART NUMBER
MAZE PANEL	1	0	0	224120
BRAILLE PANEL	0	1	0	224615
COUNT & SPELL PANEL	0	0	1	224616
FORMED TAB	2	2	2	224381
HARDWARE COMPLETE	1	1	1	224383
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 1/2" P.B.H.C.S. w/PATCH	2	2	2	812053*
3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	817424*
3/8" FLAT WASHER	6	6	6	817410*
3/8" BARREL NUT	2	2	2	804804*
3/8" HEX NUT	2	2	2	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: Red thread locker (supplied by others) must be applied to all non-patch threaded hardware. To reduce the risk of clothing entanglement in compliance with ASTM F1487, any bolt end protruding more than two full threads beyond the face of the nut shall be cut-off flush, filed smooth and treated to prevent corrosion.

MAINTENANCE PROCEDURE:

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

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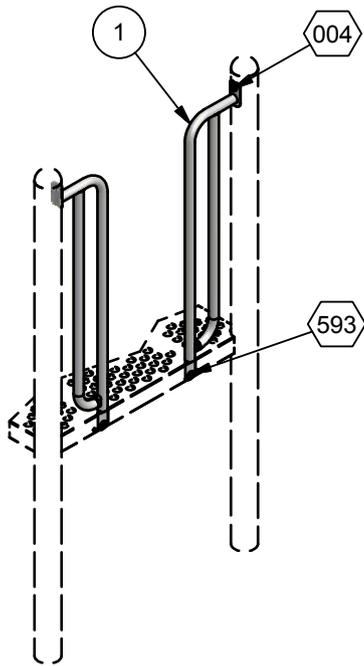
1-800-235-2440

ISSUED/REVISED: 12/4/16

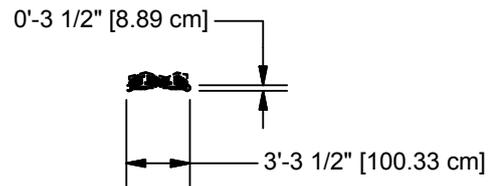
19001
ENTRY WAY

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



ASSEMBLY VIEW



TOP VIEW

INSTALLATION INSTRUCTIONS

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	D-RING WELD ASS'Y	2	202623
	HARDWARE COMPLETE	1	202959
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" LOCKWASHER	4	817334*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" T-NUT	2	804556*
	3/8" FLAT WASHER	2	817410

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

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

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

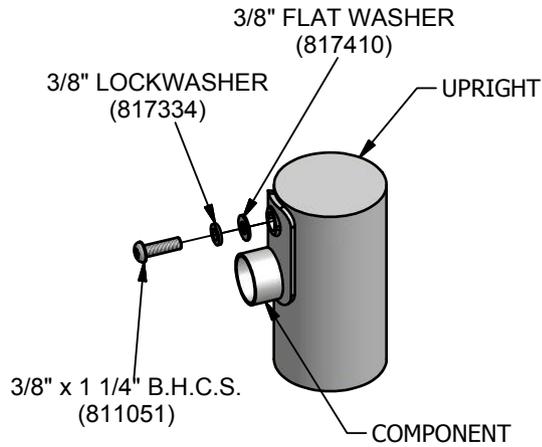
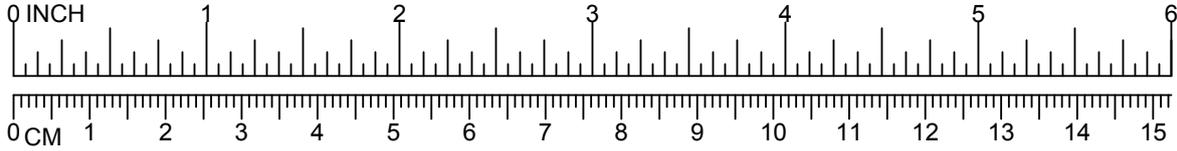
DETAILS -for- 19001

IMPORTANT

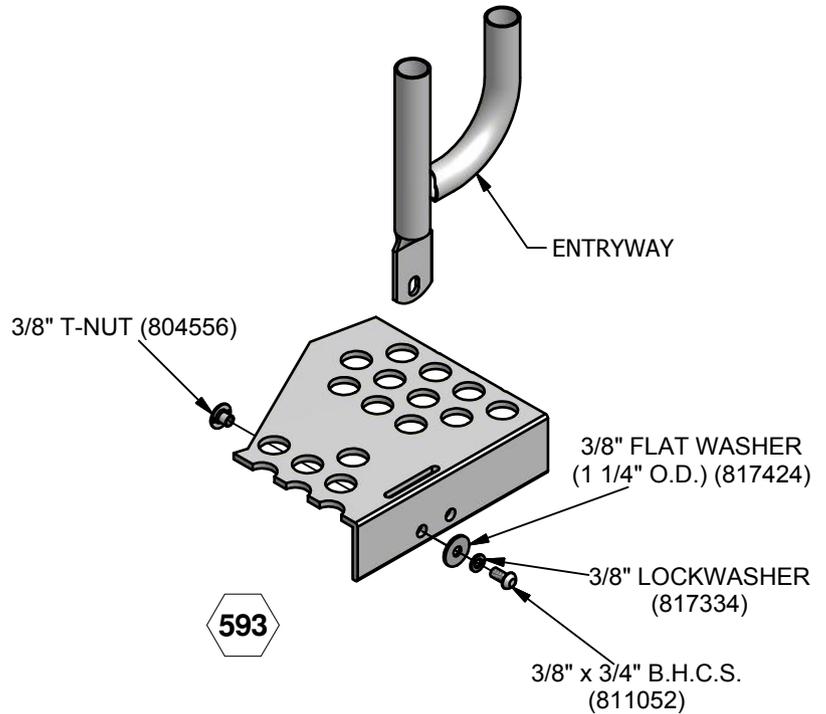
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



004



593

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ISSUED/REVISED: 8/2/16

19003 DECORATIVE PANEL

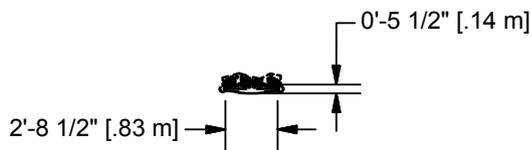
⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

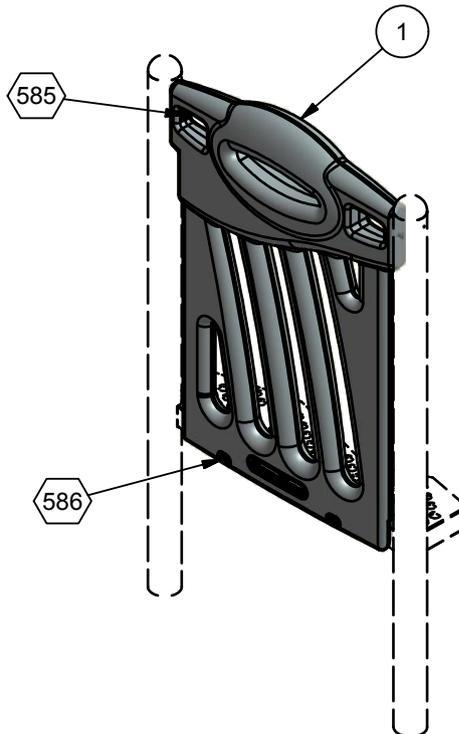


INSTALLATION INSTRUCTIONS

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



TOP VIEW



ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	DECORATIVE PANEL	1	202603
	HARDWARE COMPLETE	1	202686
	3/8" x 1 1/2" B.H.C.S.	2	811053*
	3/8" x 2 1/4" B.H.C.S.	2	811056*
	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.

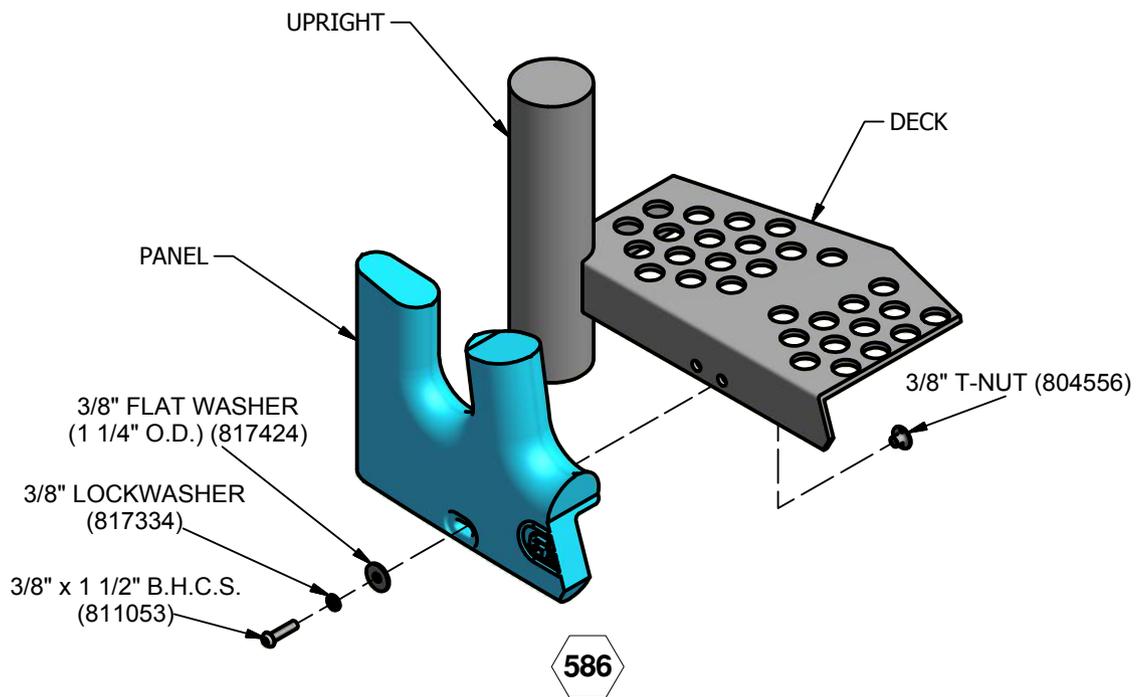
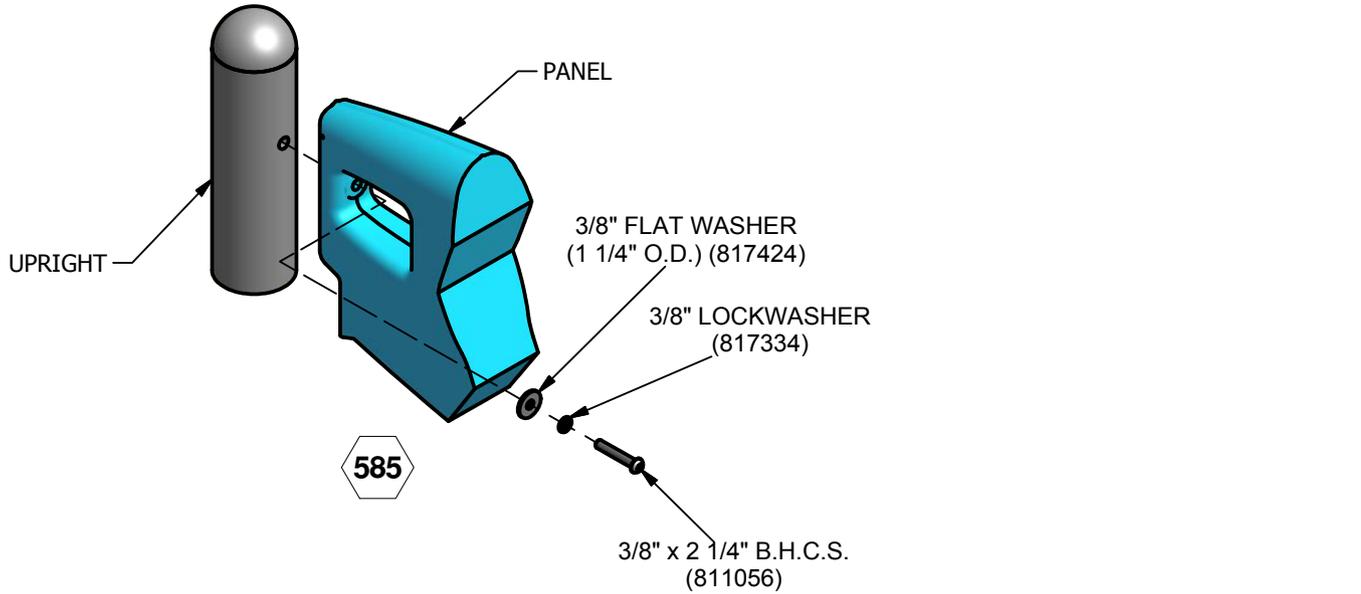
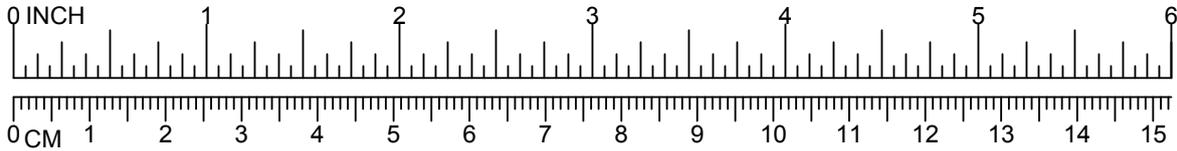
DETAILS -for- 19003

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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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19013



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TRANSFER PLATFORM WITH BARRIER

ISSUED/REVISED: 12/16/16

-  = INSTALLATION
-  = PARTS LIST REFERENCE

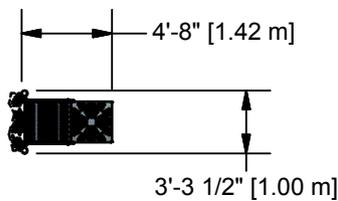
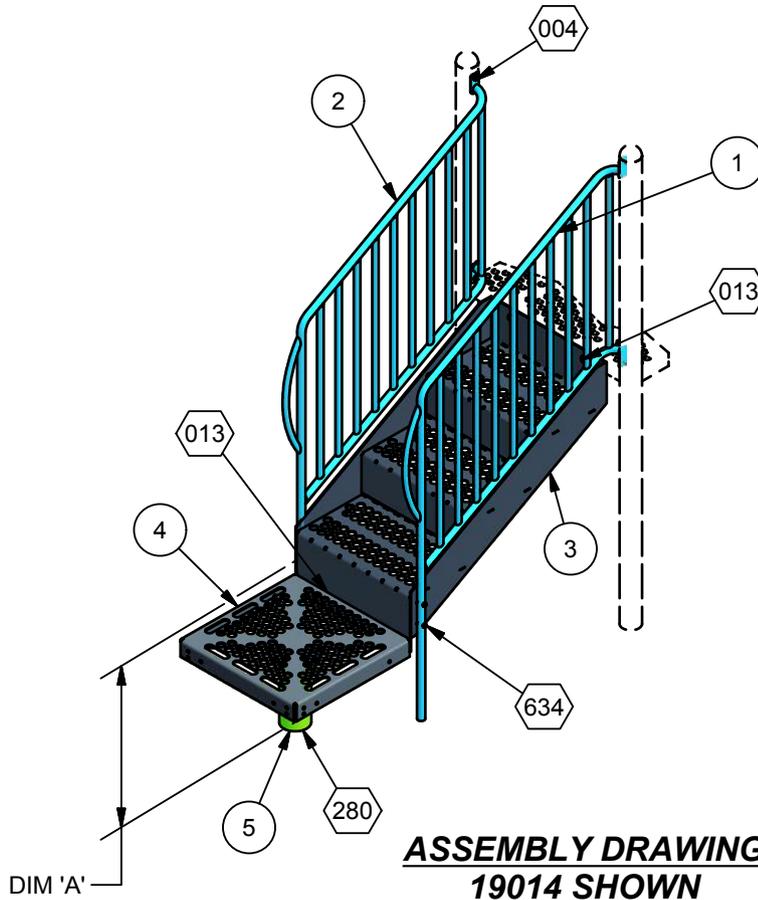
- 3'** 19013
- 4'** 19014
- 5'** 19015



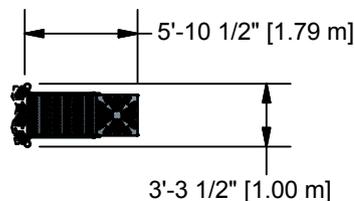
INSTALLATION INSTRUCTIONS

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

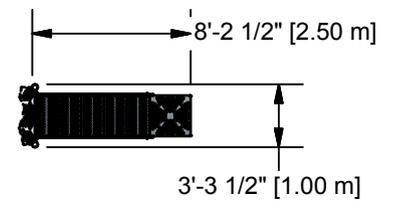
Table	
COMPONENT	DIM. 'A'
19013	1'-0" [30.48 cm]
19014	1'-4" [40.64 cm]
19015	1'-0" [30.48 cm]



19013

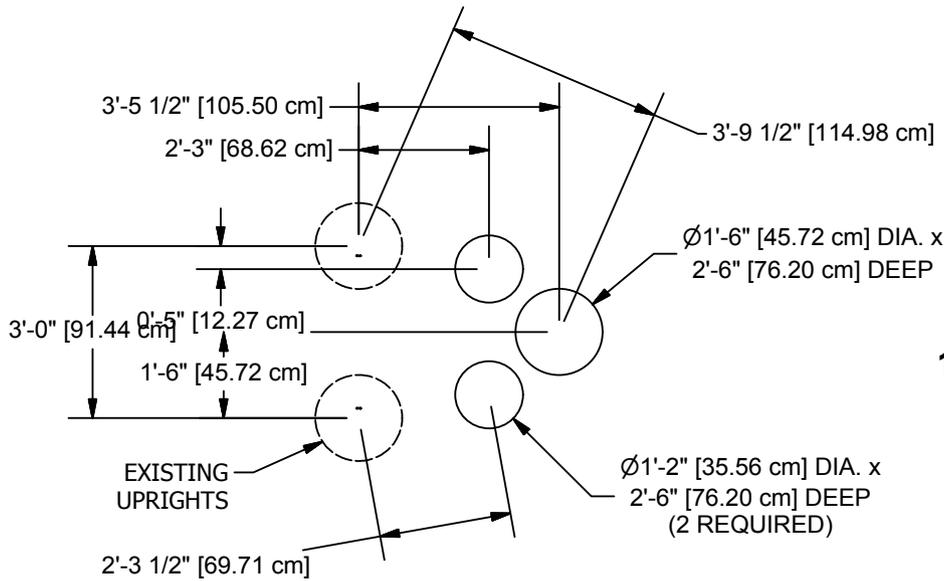


19014



19015

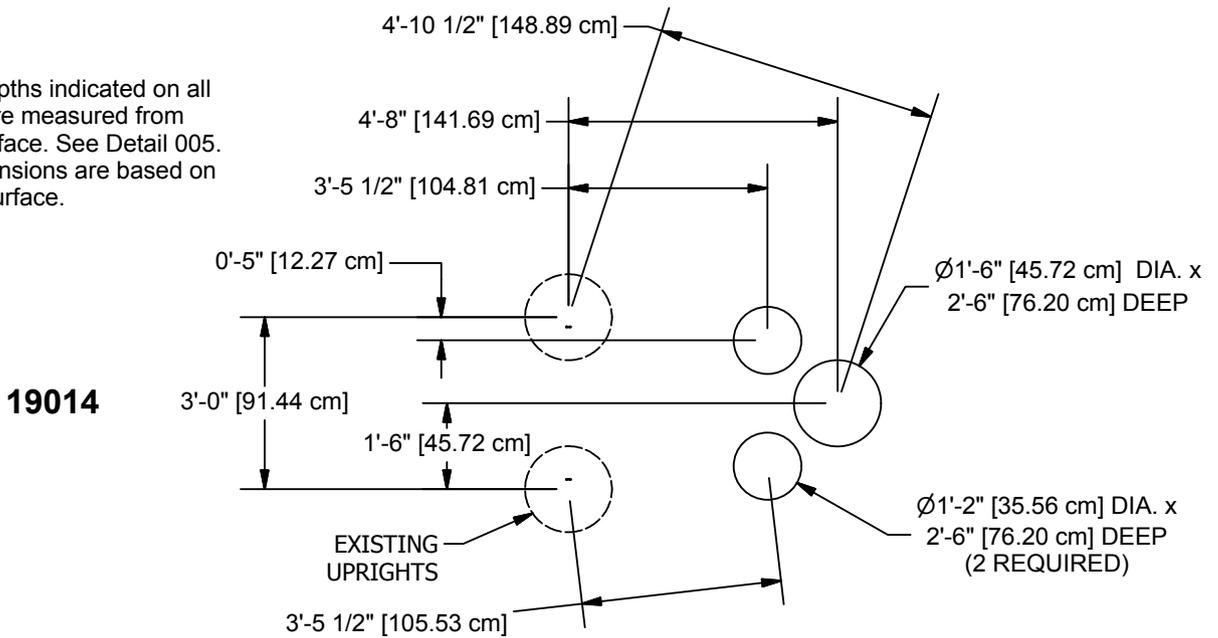
TOP VIEWS



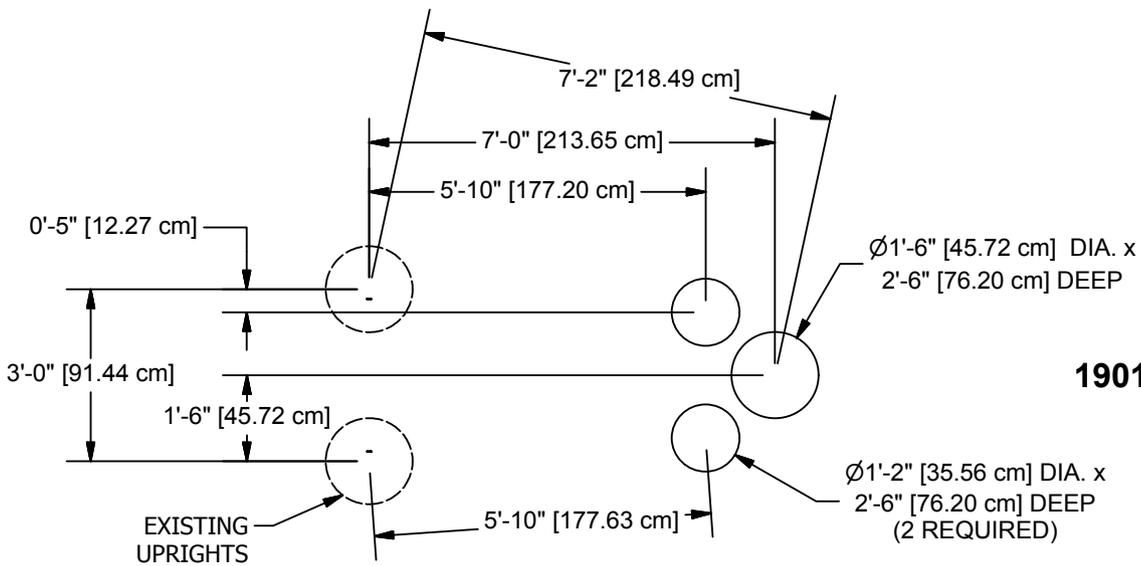
19013

CONCRETE REQUIRED
 .22 Cubic Yards
 [.17 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.



19014



19015

GROUND PLANS

Parts List					
REF.	DESCRIPTION	19013	19014	19015	PART NUMBER
1	RIGHT BARRIER WELD ASSEMBLY	1	0	0	202792
1	RIGHT BARRIER WELD ASSEMBLY	0	1	0	202808
1	RIGHT BARRIER WELD ASSEMBLY	0	0	1	202816
2	LEFT BARRIER WELD ASSEMBLY	1	0	0	202797
2	LEFT BARRIER WELD ASSEMBLY	0	1	0	202812
2	LEFT BARRIER WELD ASSEMBLY	0	0	1	202820
3	STEP ASS'Y	1	0	0	160670
3	STEP ASS'Y	0	1	0	160674
3	STEP ASS'Y	0	0	1	160667
4	COATED PLATFORM	1	1	1	160645
5	UPRIGHT ASS'Y	1	0	1	157034
5	UPRIGHT ASS'Y	0	1	0	160662
	HARDWARE COMPLETE	1	1	1	202998
	3/8" x 3/4" B.H.C.S.	7	7	7	811052*
	3/8" x 1 1/4" B.H.C.S.	4	4	4	811051*
	3/8" x 1 3/4" B.H.C.S.	4	4	4	811054*
	3/8" LOCKWASHER	15	15	15	817334*
	3/8" T-NUT	11	11	11	804556*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	4	4	817424*
	3/8" FLAT WASHER	4	4	4	817410*

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

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

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

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

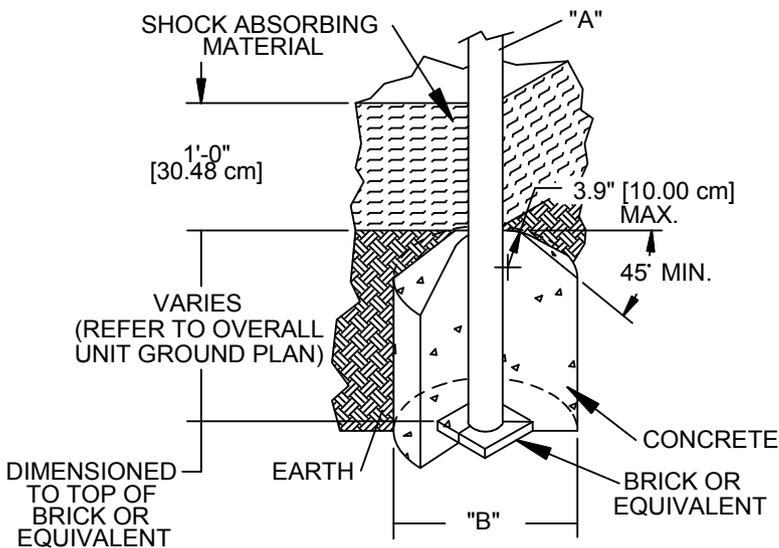
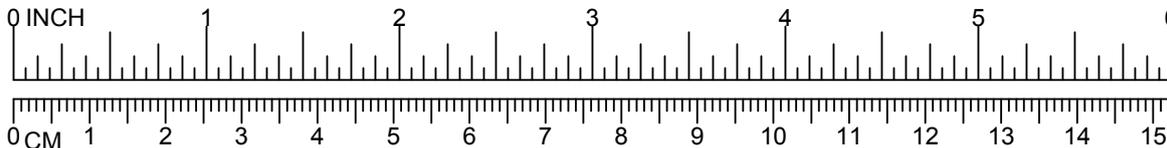
DETAILS -for- 19013, 19014 & 19015

IMPORTANT

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

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

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



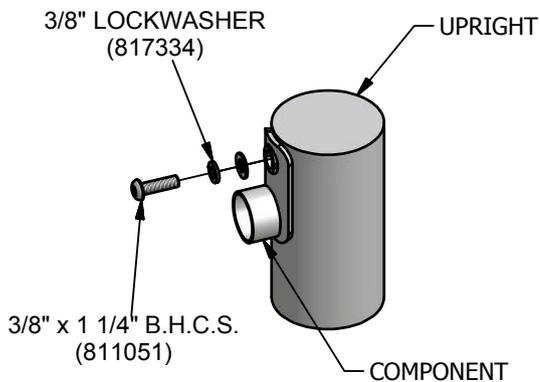
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

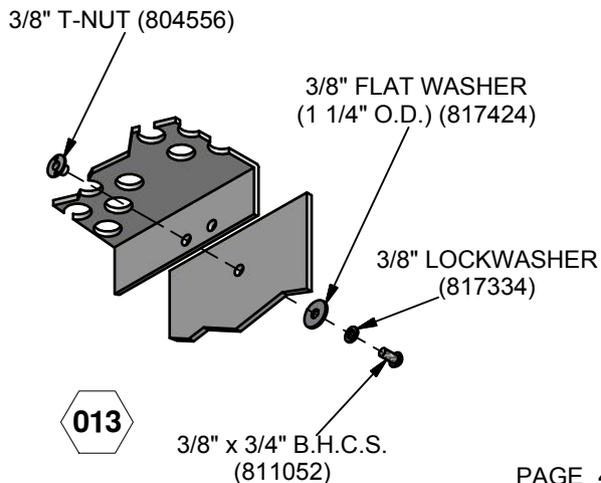
- SLOPED FOOTING IS A REQUIREMENT OF EUROPEAN STANDARD EN1176-1 ONLY
- SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

005

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



004



013

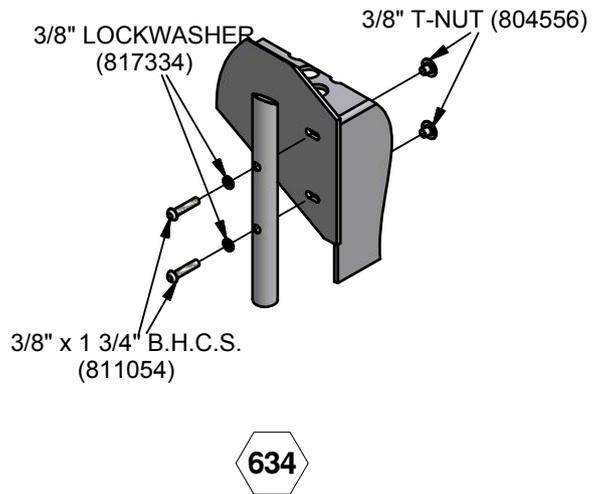
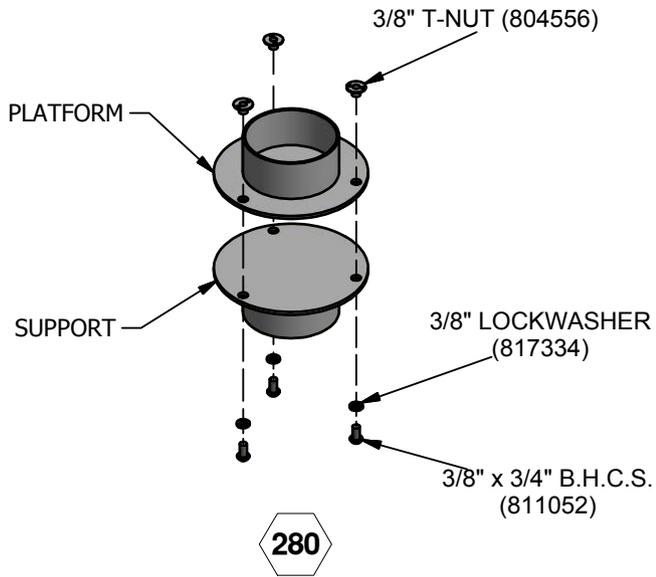
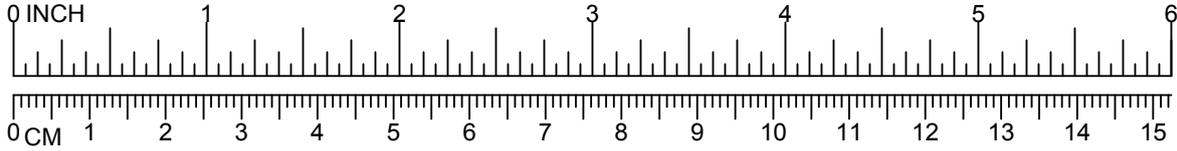
DETAILS -for- 19013, 19014 & 19015

IMPORTANT

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

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

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



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ISSUED/REVISED: 8/3/21

**19035
ACCESS
ATTACHMENT**

⬡ = INSTALLATION
= DETAIL

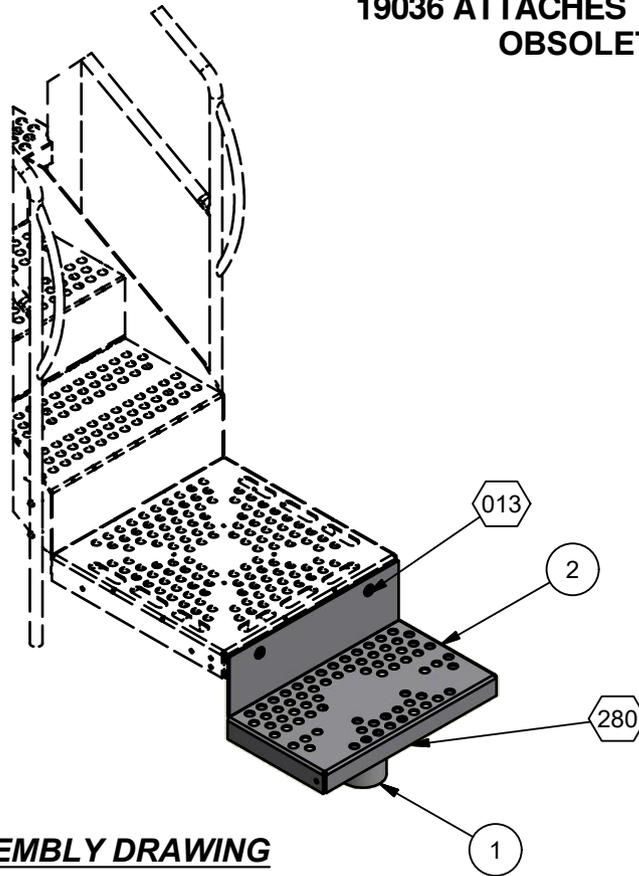
○ = PARTS LIST
REFERENCE



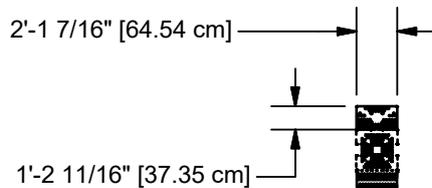
NOTE: 19035 ATTACHES TO 19013
19015
OBSOLETE ~~19016~~
19285
19036 ATTACHES TO 19014
OBSOLETE ~~19017~~
19286

**INSTALLATION
INSTRUCTIONS**

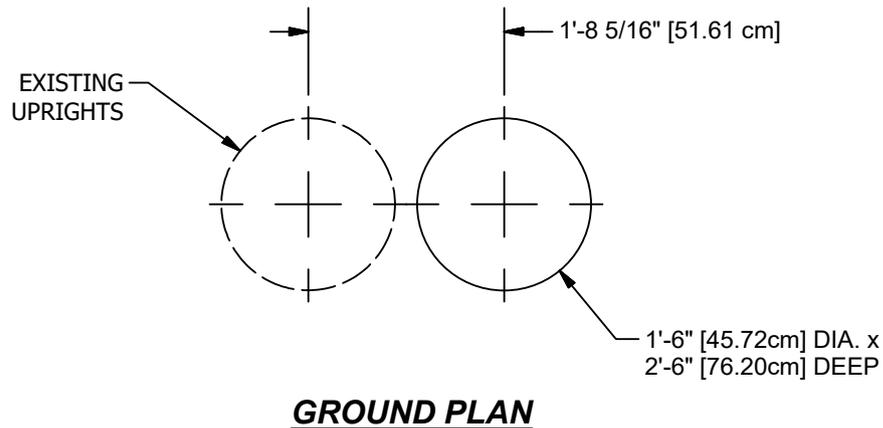
1. BEFORE ASSEMBLING THIS EQUIPMENT, READ THE ENCLOSED **INSTALLER INSTRUCTIONS** IN THE INSTALLATION BOOKLET; FOLLOW ALL THE INSTRUCTIONS DURING INSTALLATION.
2. REMOVE COATING FROM MOUNTING HOLES ON RAMP SECTION(S) AND DECK.
3. ASSEMBLE PARTS AS SHOWN IN THE **ASSEMBLY DRAWING**. REFER TO THE ASSEMBLY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



ASSEMBLY DRAWING



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.

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

Parts List				
REF.	DESCRIPTION	19035	19036	PART NUMBER
1	UPRIGHT ASS'Y	1	0	160701
1	UPRIGHT ASS'Y	0	1	160704
2	STEP PLATFORM	1	1	160693
	HARDWARE COMPLETE	1	1	161558
	3/8" x 3/4" B.H.C.S.	5	5	811052*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	817424*
	3/8" LOCK WASHER	5	5	817334*
	3/8" T-NUT	5	5	804556*

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

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

Note: 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.

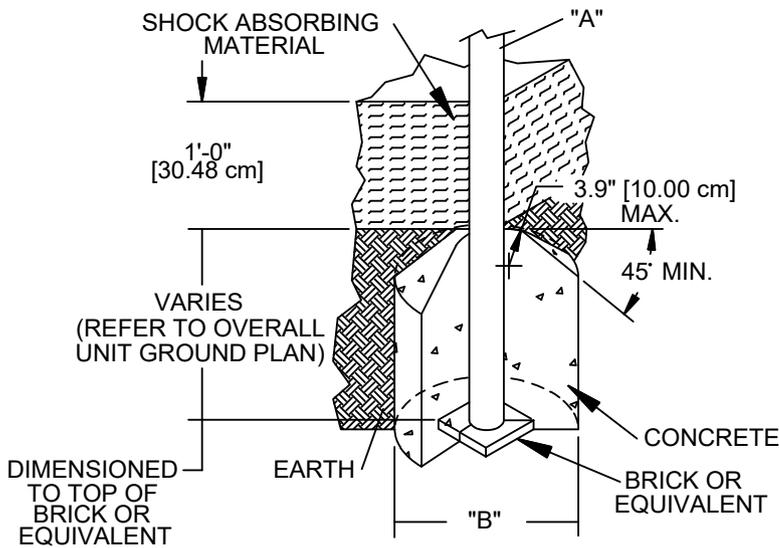
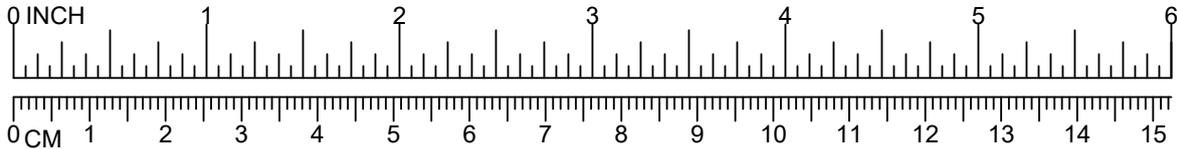
DETAILS -for- 19035 AND 19036

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



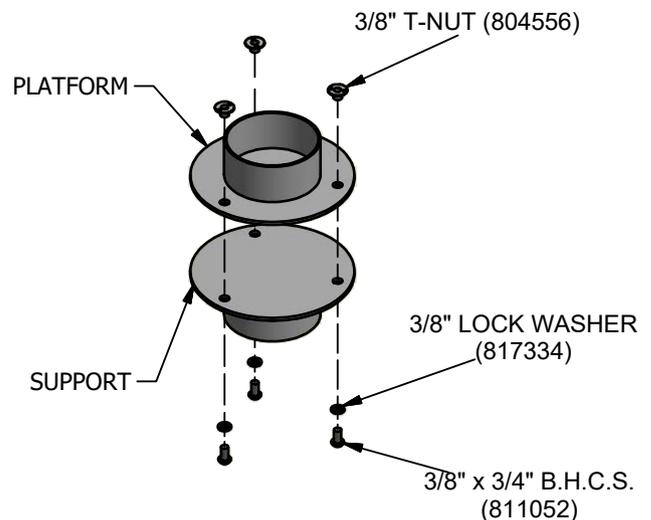
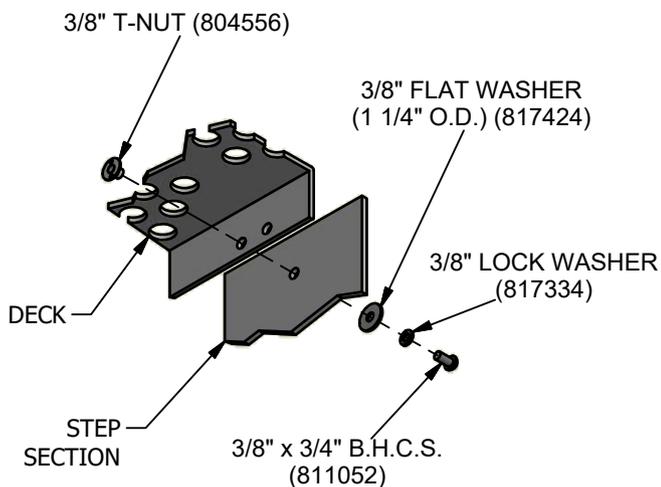
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



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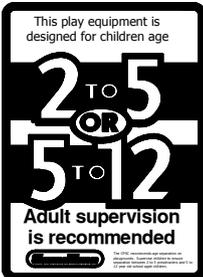
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1-800-235-2440

ISSUED/REVISED: 12/13/16

19047 TREE CLIMBER

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

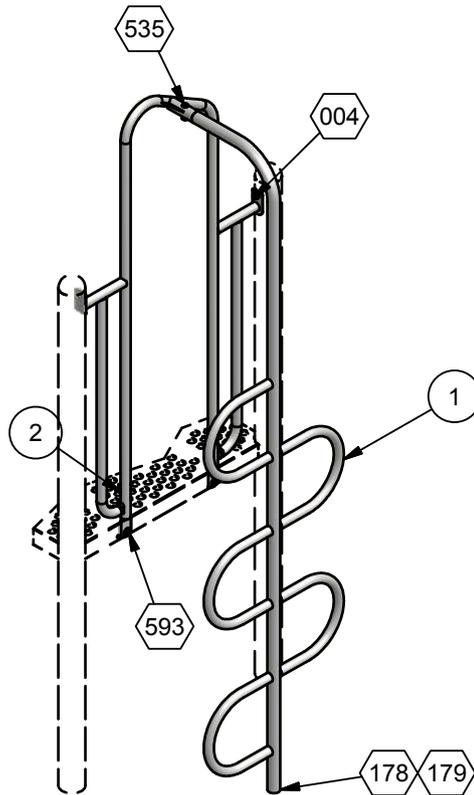


19048
19049 5'-0"



19047
19049 5'-6"
19050
19051
19052

3', 3'-6"	19047
4', 4'-6"	19048
5', 5'-6"	19049
6', 6'-6"	19050
7', 7'-6"	19051
8'	19052



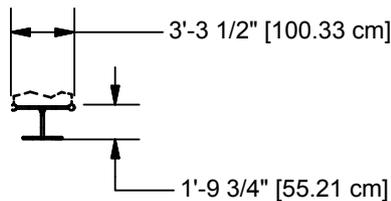
ASSEMBLY DRAWING

19047 SHOWN
OTHERS SIMILAR

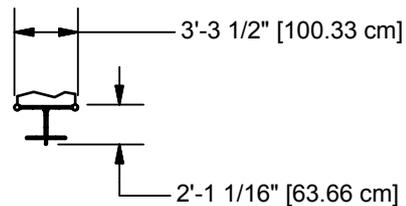
NOTE: 3'-6", 4'-6", 5'-6",
6'-6", 7'-6", AND 8'
DECKS ONLY.

INSTALLATION INSTRUCTIONS

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



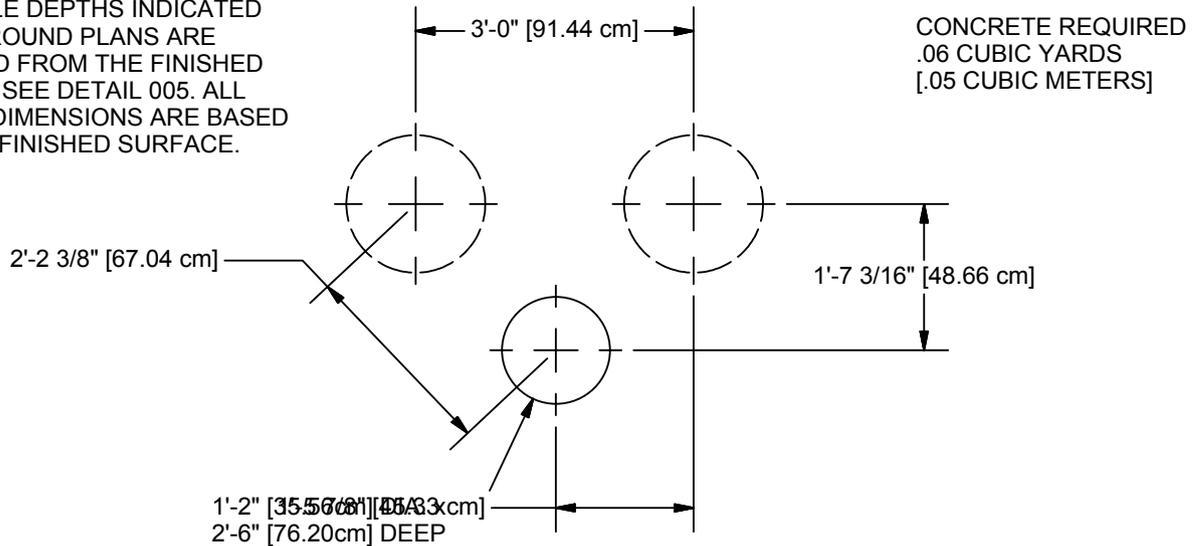
19047



19048, 19049, 19050,
19051, & 19052

TOP VIEWS

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

Parts List								
REF.	DESCRIPTION	19047	19048	19049	19050	19051	19052	PART NUMBER
1	TREE CLIMBER ASS'Y	1	0	0	0	0	0	179041
1	TREE CLIMBER ASS'Y	0	1	0	0	0	0	179043
1	TREE CLIMBER ASS'Y	0	0	1	0	0	0	179045
1	TREE CLIMBER ASS'Y	0	0	0	1	0	0	179047
1	TREE CLIMBER ASS'Y	0	0	0	0	1	0	179049
1	TREE CLIMBER ASS'Y	0	0	0	0	0	1	179051
2	ARCHWAY WELD ASS'Y	1	1	1	1	1	1	202627
	HARDWARE COMPLETE	1	1	1	1	1	0	203228
	HARDWARE COMPLETE	0	0	0	0	0	1	203230
	3/8" x 3/4" B.H.C.S.	2	2	2	2	2	2	811052*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	2	2	811051*
	3/8" x 1 1/2" P.B.H.C.S. w/PATCH	1	1	1	1	1	1	812053*
	3/8" x 1-3/4" B.H.C.S.	1	1	1	1	1	1	811054*
	3/8" FLAT WASHER	3	3	3	3	3	3	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	817424*
	3/8" LOCKWASHER	5	5	5	5	5	5	817334*
	3/8" BARREL NUT	1	1	1	1	1	1	804804*
	3/8" T-NUT	3	3	3	3	3	3	804556*
	EXTENSION LEG	1	1	1	1	1	0	152110*
	EXTENSION LEG	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.**

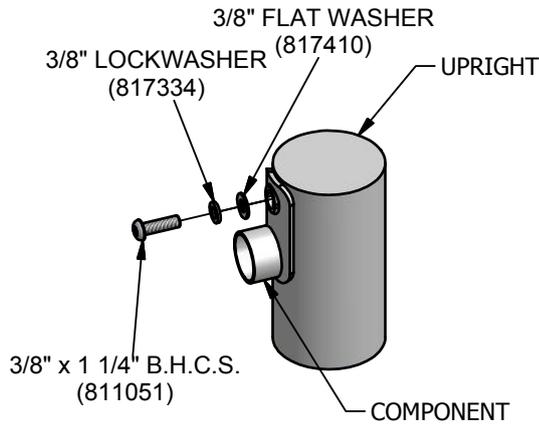
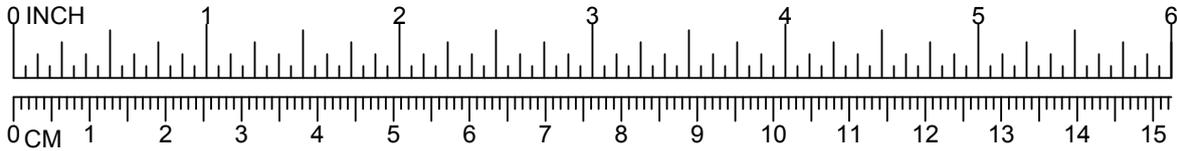
DETAILS -for- 19047 - 19052

IMPORTANT

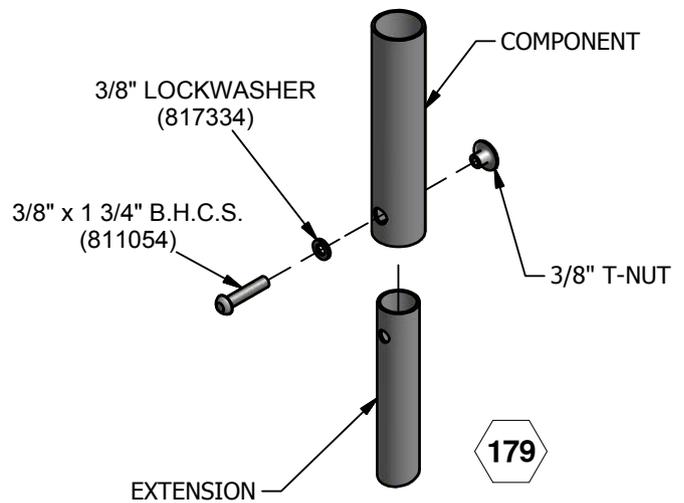
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

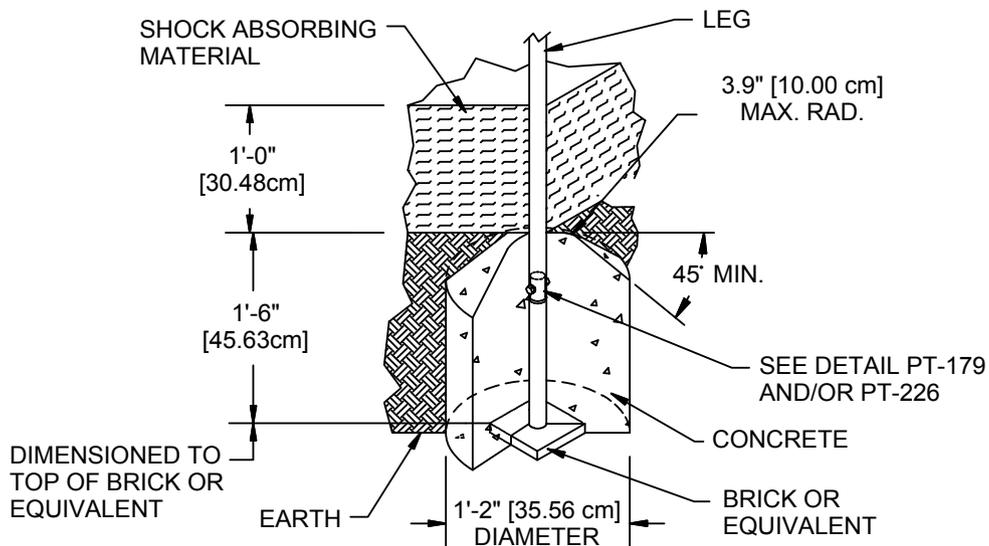
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



004



179



178

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

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

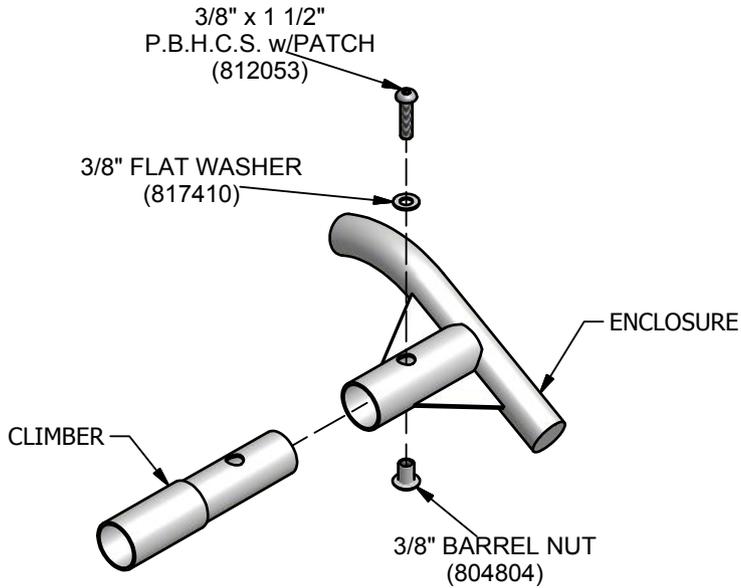
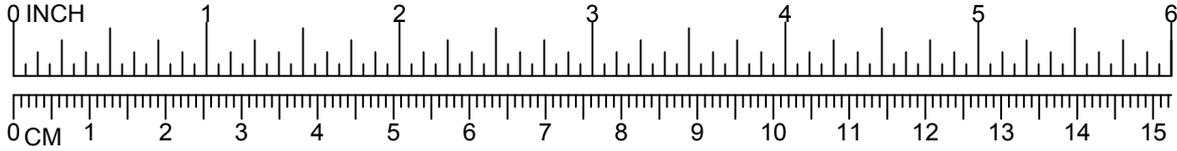
DETAILS -for- 19047 - 19052

IMPORTANT

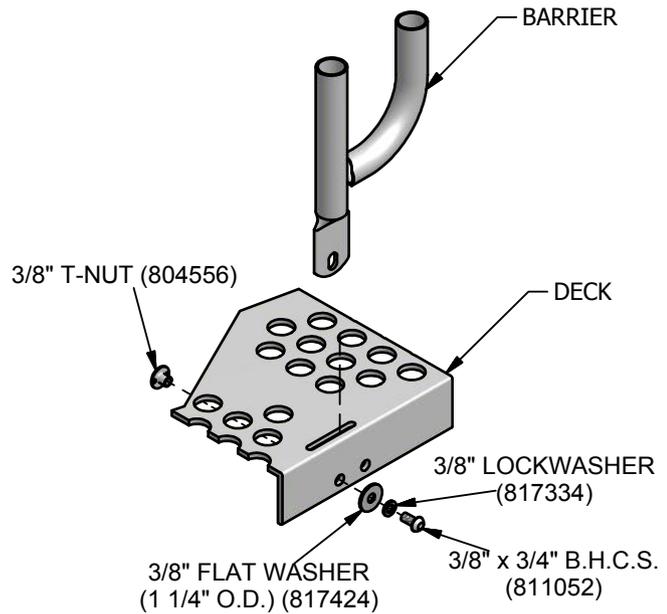
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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.



535



593

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ISSUED/REVISED: 11/7/24

19093 SCHOONER CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



19093
19094
19095
19096

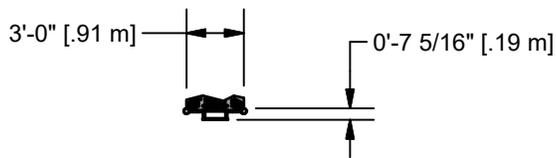


19097
19098
19099

INSTRUCTIONS

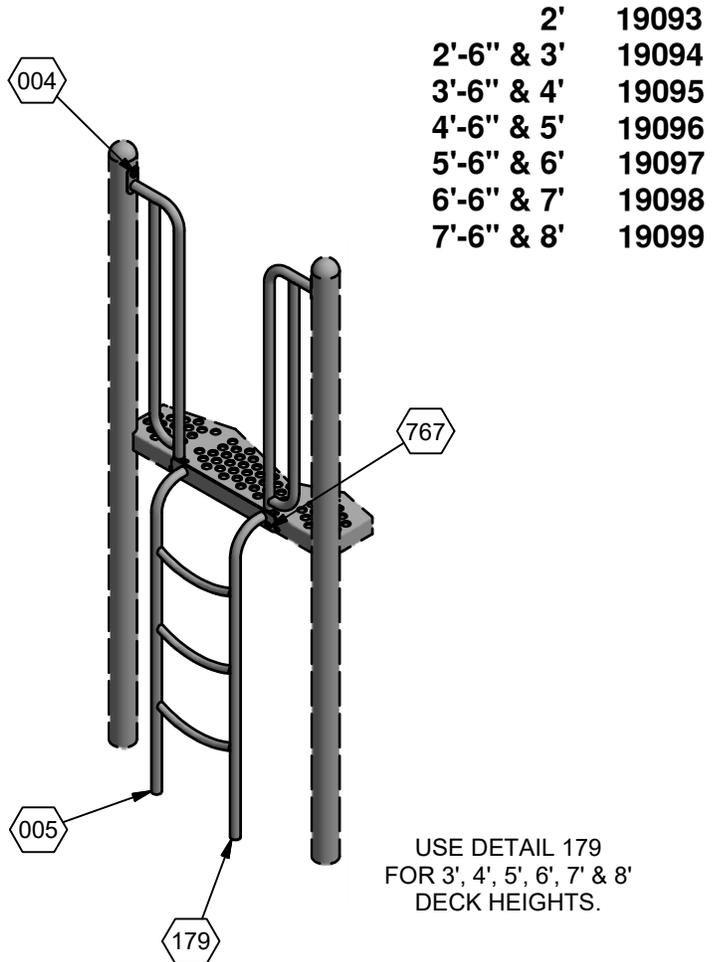
1. Before assembling this equipment, read the enclosed INSTALLATION INSTRUCTIONS in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. Loctite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

TOP VIEW



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

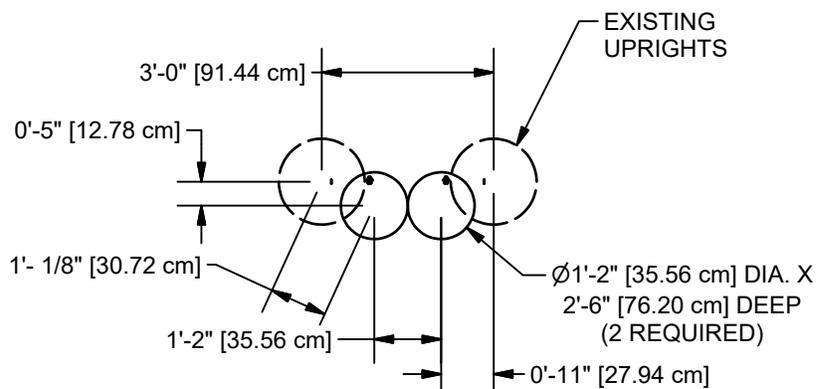
NOTE: HOLE DEPTHS INDICATED ON ALL GROUND PLANS ARE MEASURED FROM THE FINISHED SURFACE. SEE DETAIL 005. ALL FOOTING DIMENSIONS ARE BASED ON LEVEL FINISHED SURFACE.



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

ASSEMBLY DRAWING

19095 SHOWN



GROUND PLAN

Parts List									
REF.	DESCRIPTION	19093	19094	19095	19096	19097	19098	19099	PART NUMBER
1	SCHOONER CLIMBER WELD ASS'Y	1	0	0	0	0	0	0	200473
1	SCHOONER CLIMBER WELD ASS'Y	0	1	0	0	0	0	0	200469
1	SCHOONER CLIMBER WELD ASS'Y	0	0	1	0	0	0	0	200307
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	1	0	0	0	200462
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	1	0	0	200466
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	1	0	200479
1	SCHOONER CLIMBER WELD ASS'Y	0	0	0	0	0	0	1	200482
2	D-RING WELD ASS'Y	2	2	2	2	2	2	2	202623
	HARDWARE COMPLETE	1	0	0	0	0	0	0	202952
	HARDWARE COMPLETE	0	1	1	1	1	1	1	202953
	3/8" x 1 1/4" B.H.C.S.	4	4	4	4	4	4	4	811051*
	3/8" x 1 3/4" B.H.C.S.	0	2	2	2	2	2	2	811054*
	3/8" LOCK WASHER	2	4	4	4	4	4	4	817334*
	3/8" T-NUT	2	4	2	4	4	4	4	804556*
	1.029" O.D. EXTENSION	0	2	2	2	2	2	2	158359*
	3/8" FLAT WASHER	2	2	4	2	2	2	2	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	2	817424*
	3/8" HEX NUT	2	2	2	2	2	2	2	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.

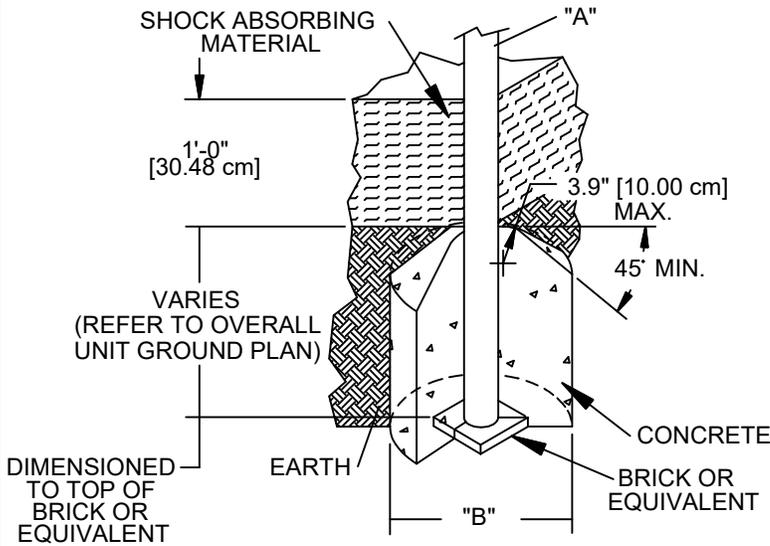
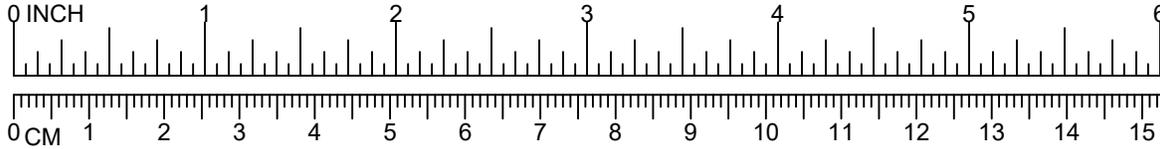
DETAILS -for- 19093, 19094, 19095, 19096, 19097, 19098 & 19099

IMPORTANT

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

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

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



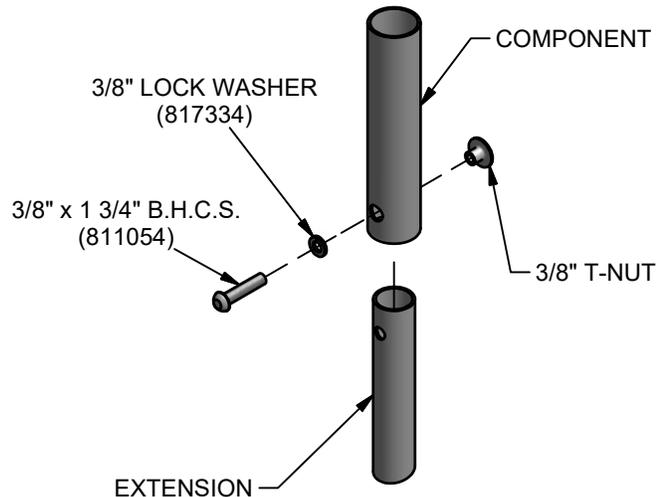
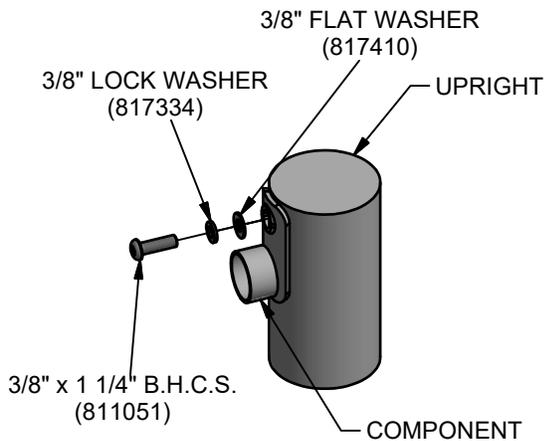
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72cm]
TRACK RIDE & SWINGS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

NOTES:

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



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



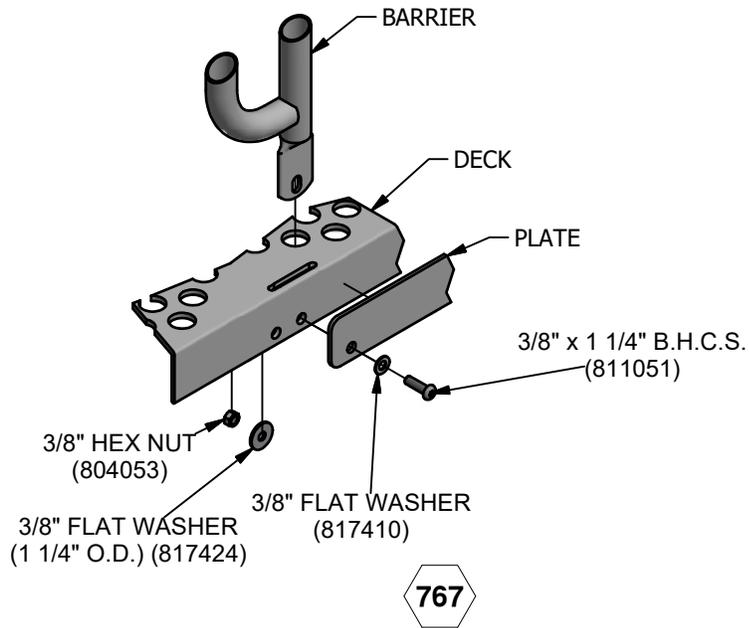
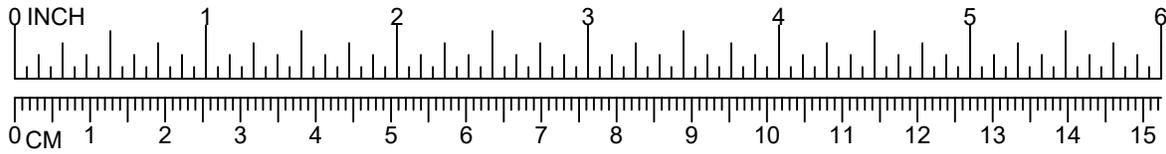
DETAILS -for- 19093, 19094, 19095, 19096, 19097, 19098 & 19099

IMPORTANT

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

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

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



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ISSUED/REVISED: 12/01/11

19102 STEPPED DECK

⬡ = INSTALLATION
DETAIL

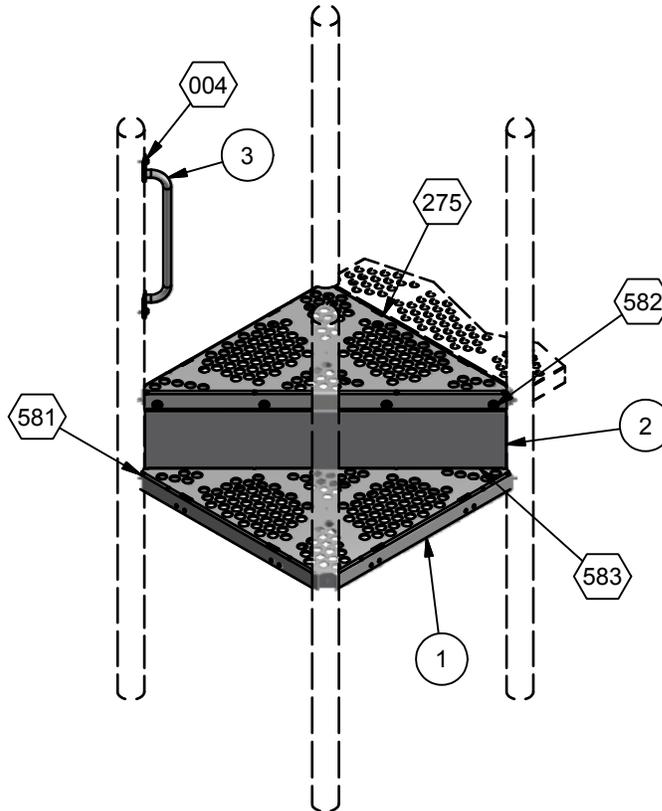
○ = PARTS LIST
REFERENCE

6" 19102
12" 19103

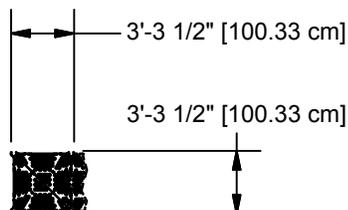


INSTALLATION INSTRUCTIONS

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

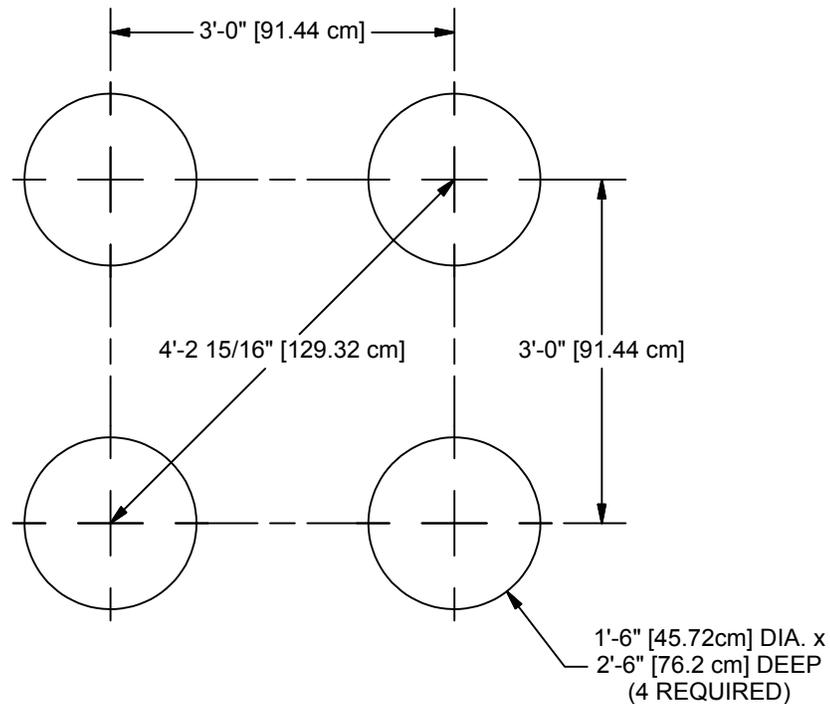


ASSEMBLY DRAWING
19103 SHOWN



CONCRETE REQUIRED
 .40 CUBIC YARDS
 [.21 CUBIC METERS]

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



GROUND PLAN

Parts List				
REF.	DESCRIPTION	19102	19103	PART NUMBER
1	STEP DECK	2	2	200769
2	KICKPLATE	0	1	200777
3	HANDHOLD	0	1	151833
	HARDWARE COMPLETE	1	0	201855
	HARDWARE COMPLETE	0	1	201856
	3/8" x 1 1/4" B.H.C.S.	6	8	811051*
	3/8" FLAT WASHER	6	6	817410*
	3/8" LOCKWASHER	8	18	817334*
	3/8" x 3/4" B.H.C.S.	2	6	811052*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	10	817424*
	3/8" T-NUT	2	6	804556*
	3/8" x 1" B.H.C.S.	0	4	811050*
	3/8" HEX NUT	0	4	804053*

*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.**

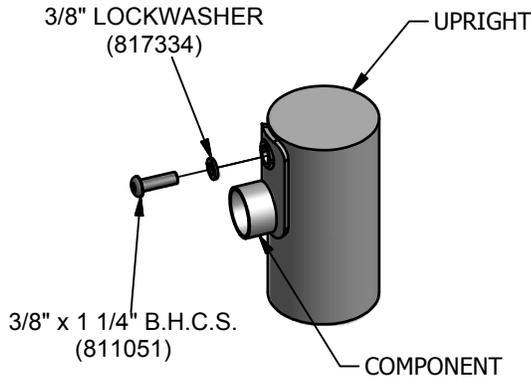
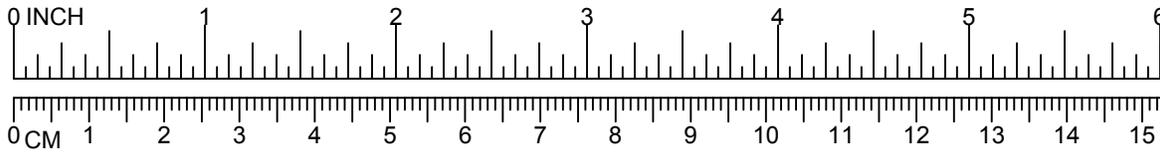
DETAILS -for- 19102 AND 19103

IMPORTANT

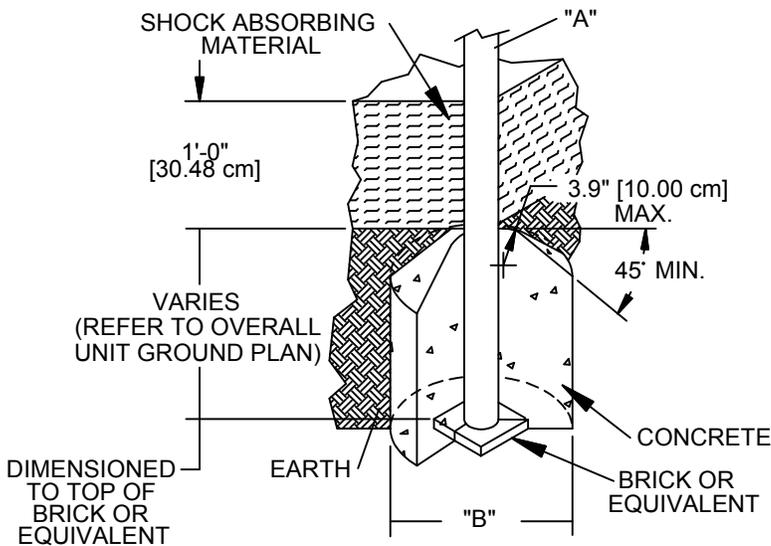
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



004



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

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

005

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

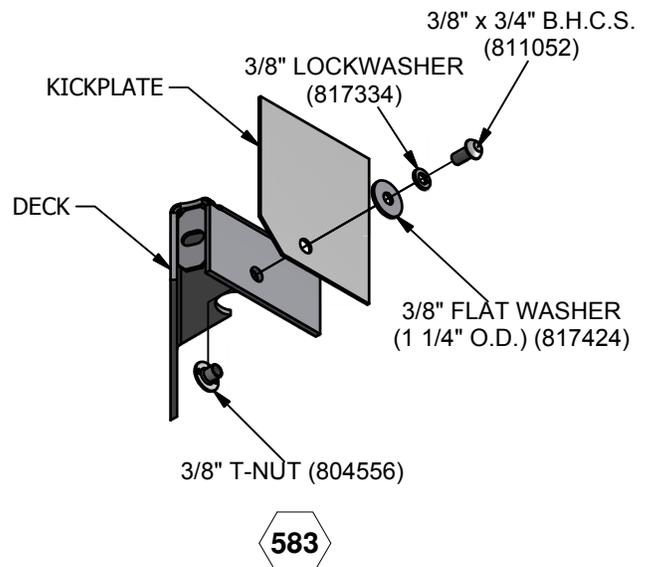
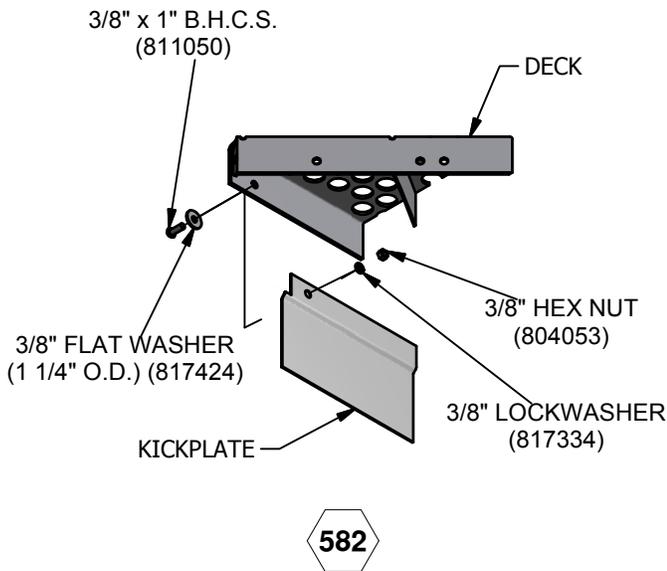
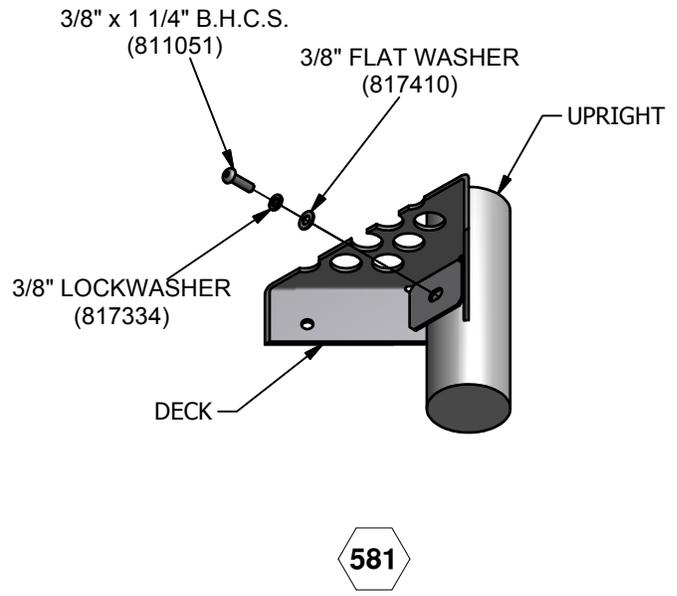
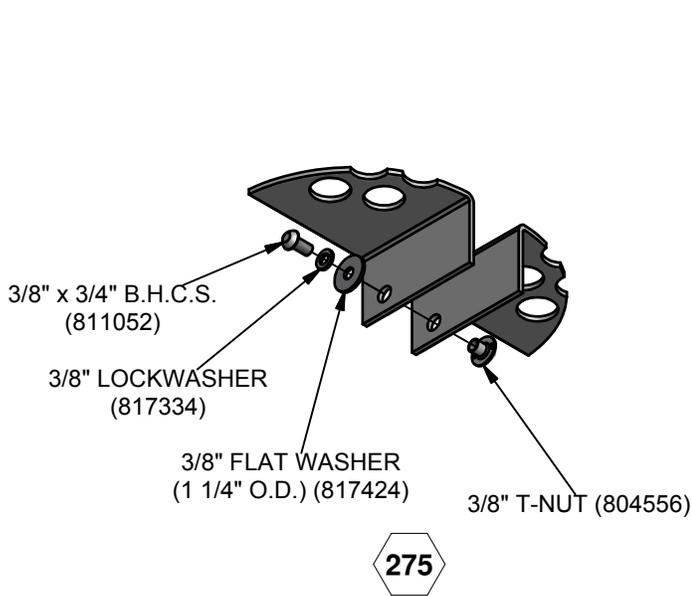
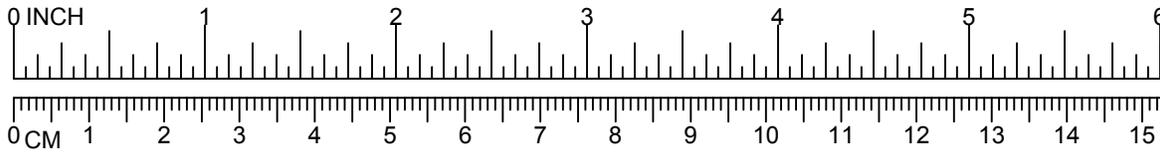
DETAILS -for- 19102 AND 19103

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING 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

ISSUED/REVISED: 12/5/16

**19104
RIDGE
CLIMBER**

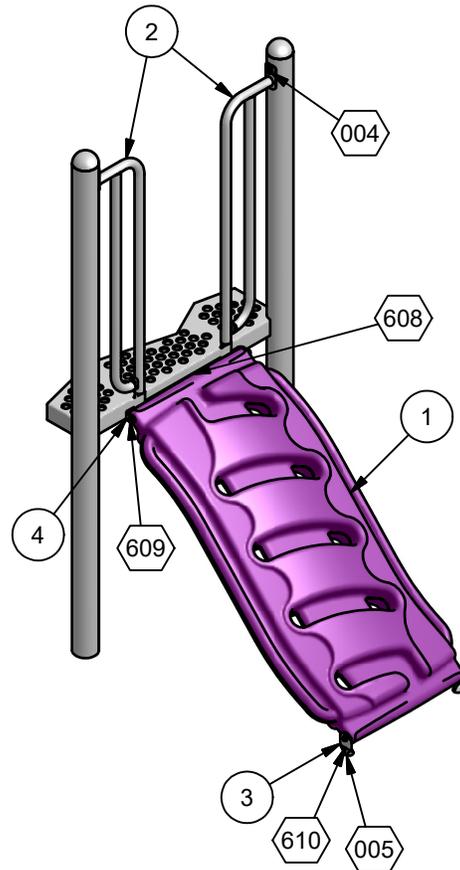
⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE

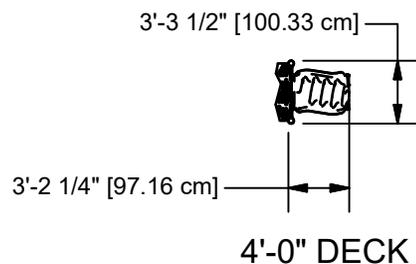
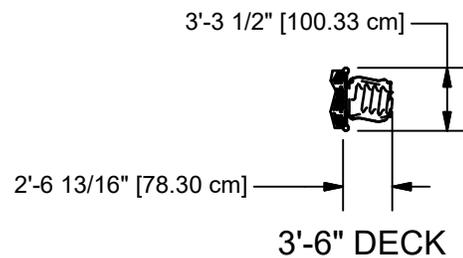
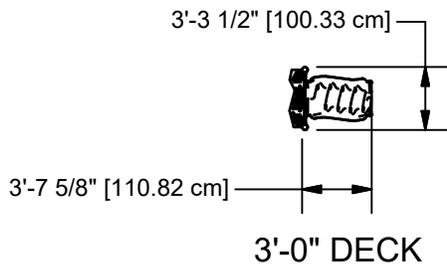


**INSTALLATION
INSTRUCTIONS**

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

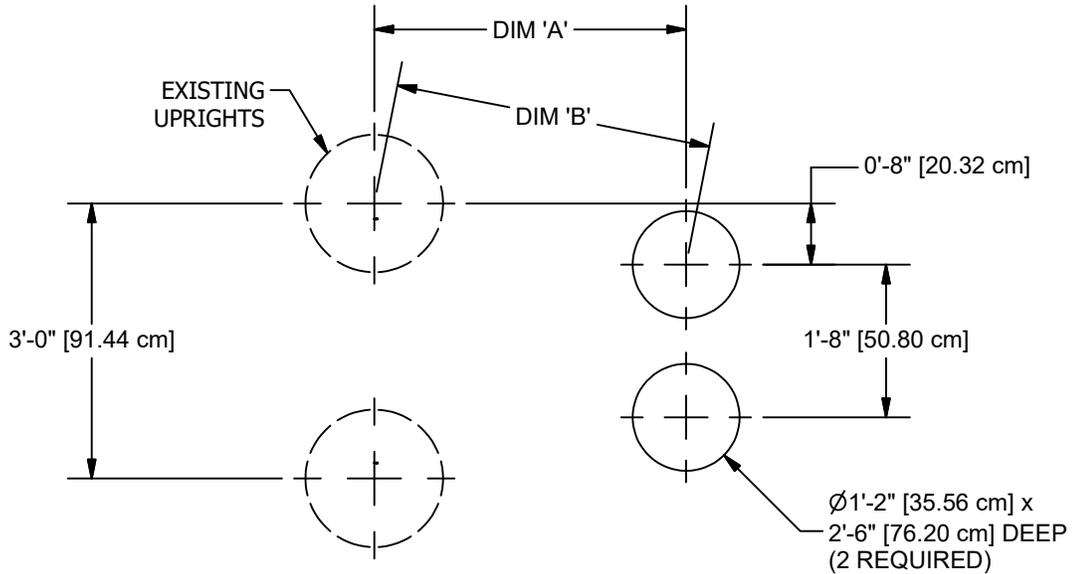


ASSEMBLY VIEW



TOP VIEWS

Table		
DECK HEIGHTS	DIMENSION 'A'	DIMENSION 'B'
3'-0"	3'-5" [105.40 cm]	3'-6" [106.68 cm]
3'-6"	2'-11" [88.9 cm]	3'-0" [91.44 cm]
4'-0"	2'-3" [68.58 cm]	2'-4" [71.12 cm]



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

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

GROUND PLAN

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RIDGE CLIMBER	1	202648
2	D-RING WELD ASS'Y	2	202623
3	SMASHED FOOTBUCK	2	160410
4	MOUNTING BRACKET	1	203010
	HARDWARE COMPLETE	1	203076
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	6	811051*
	3/8" LOCKWASHER	8	817334*
	3/8" FLAT WASHER	4	817410*
	3/8" T-NUT	2	804556*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*

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

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

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

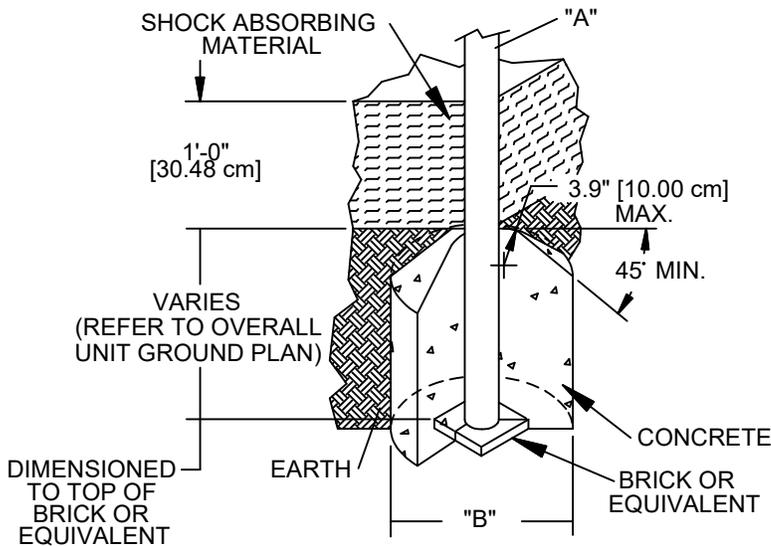
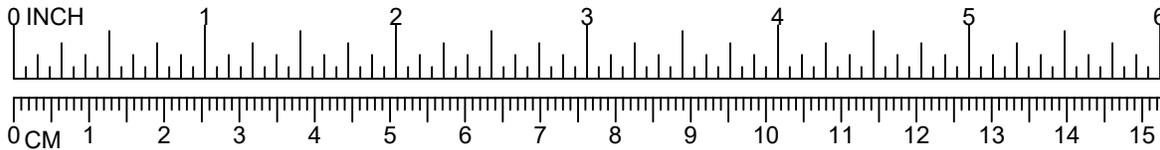
DETAILS -for- 19104

IMPORTANT

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

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

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



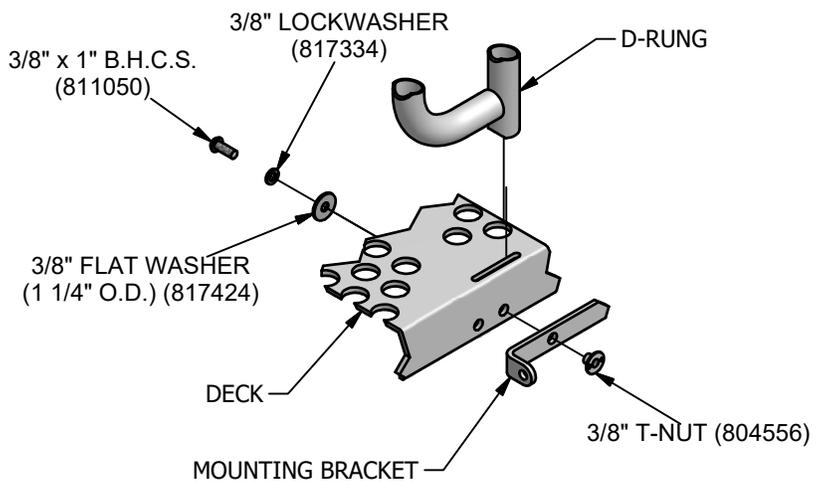
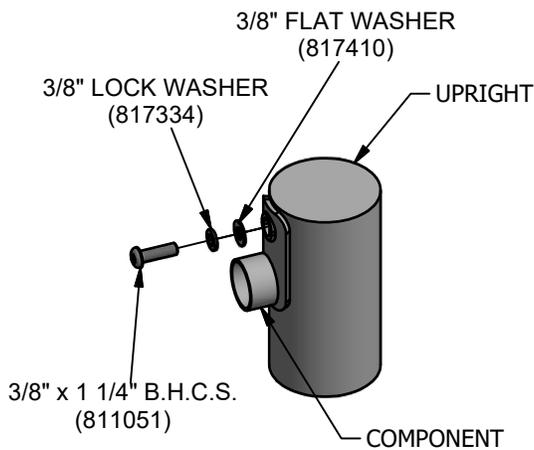
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



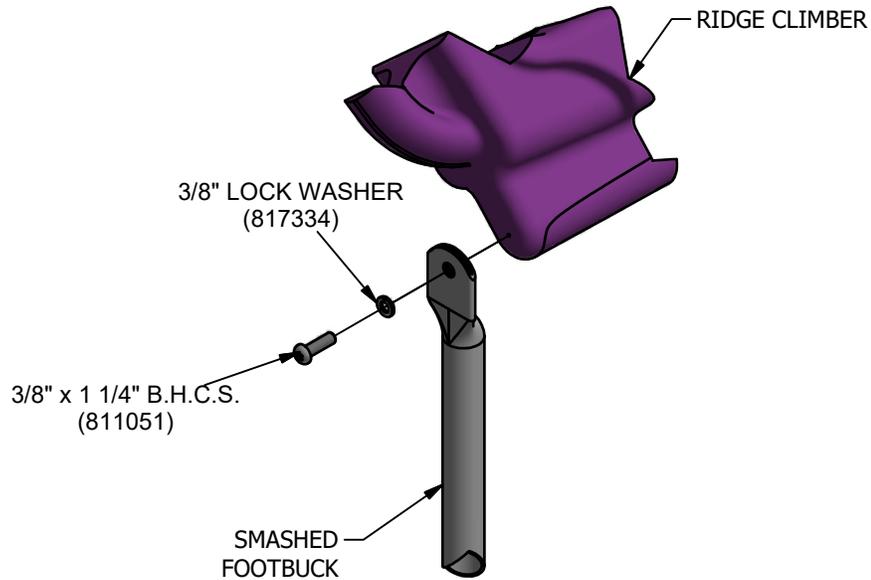
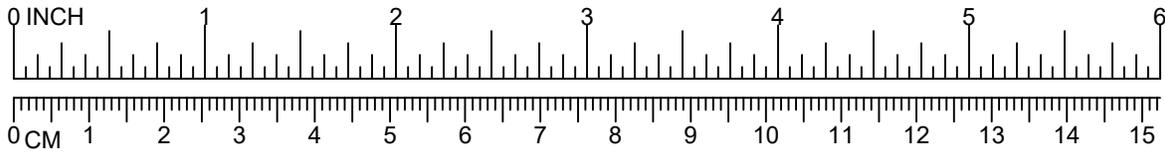
DETAILS -for- 19104

IMPORTANT

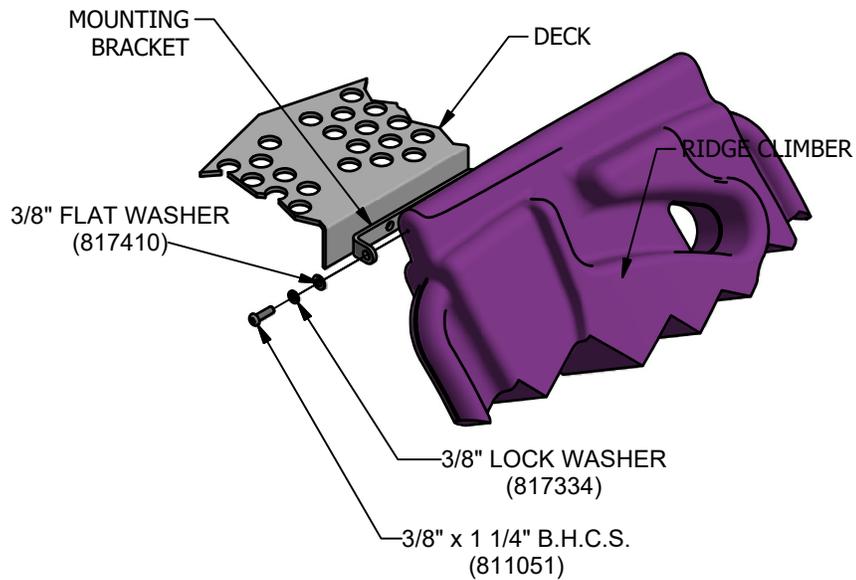
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

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



609



610

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ISSUED/REVISED: 12/16/11

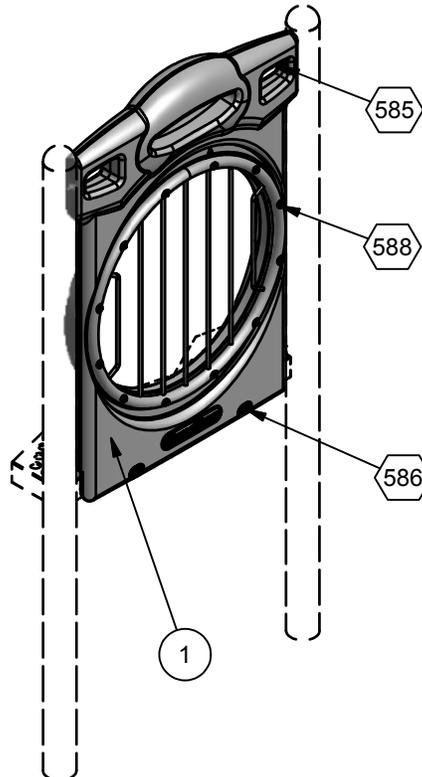
19158
**ZOO PANEL
ENCLOSURE**

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

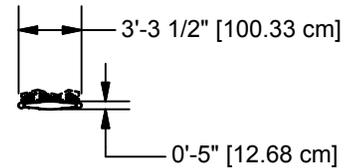


**INSTALLATION
INSTRUCTIONS**

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



ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	CRAWL TUBE PANEL	1	202633
2	ZOO RING WELD ASSEMBLY	1	202975
	HARDWARE COMPLETE	1	203172
	3/8" x 1 1/2" B.H.C.S.	2	811053*
	3/8" x 2 1/4" B.H.C.S.	2	811056*
	3/8" x 3" B.H.C.S.	12	811059*
	3/8" FLAT WASHER	12	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	4	817424*
	3/8" LOCKWASHER	28	817334*
	3/8" ACORN NUT	12	804002*
	3/8" T-NUT	2	804556*

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

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

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

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

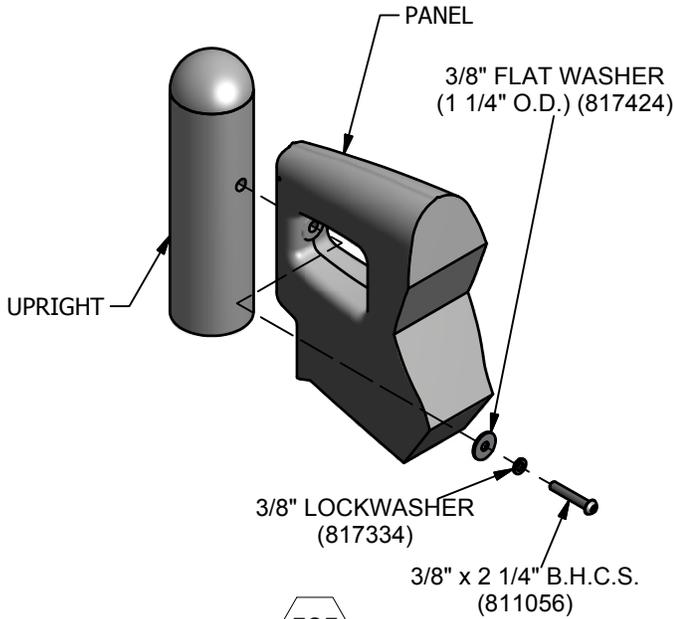
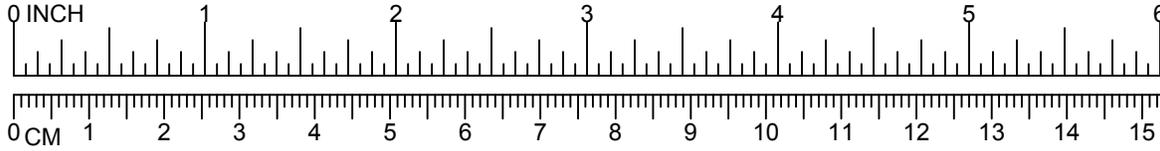
DETAILS -for- 19158

IMPORTANT

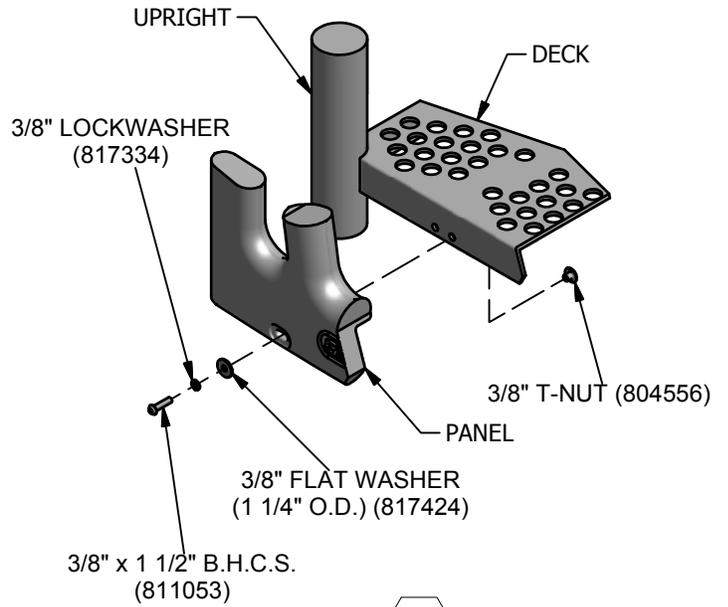
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

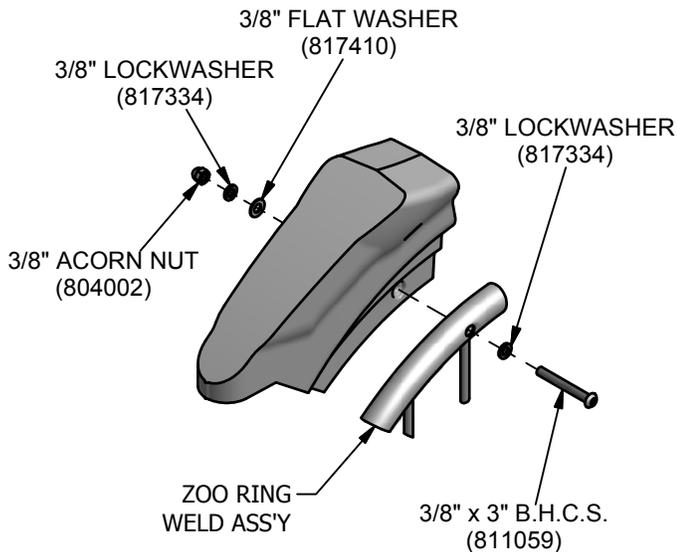
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



585



586



588

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ISSUED/REVISED: 5/22/23

19169 LEANING WALL CLIMBER

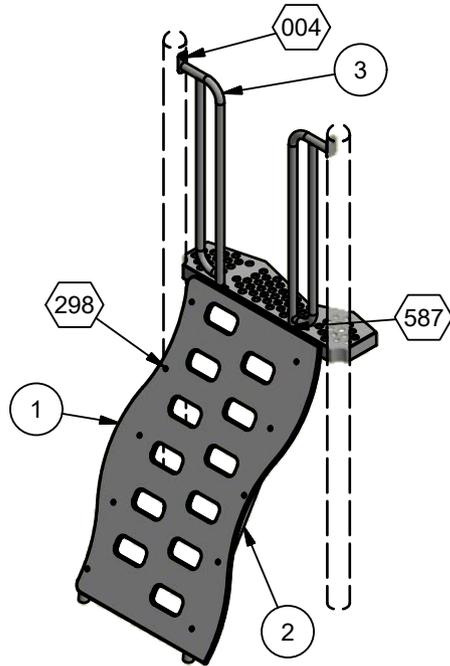
-  = INSTALLATION DETAIL
-  = PARTS LIST REFERENCE



19169
19170
19171
19172
19173
19174



19175
19176

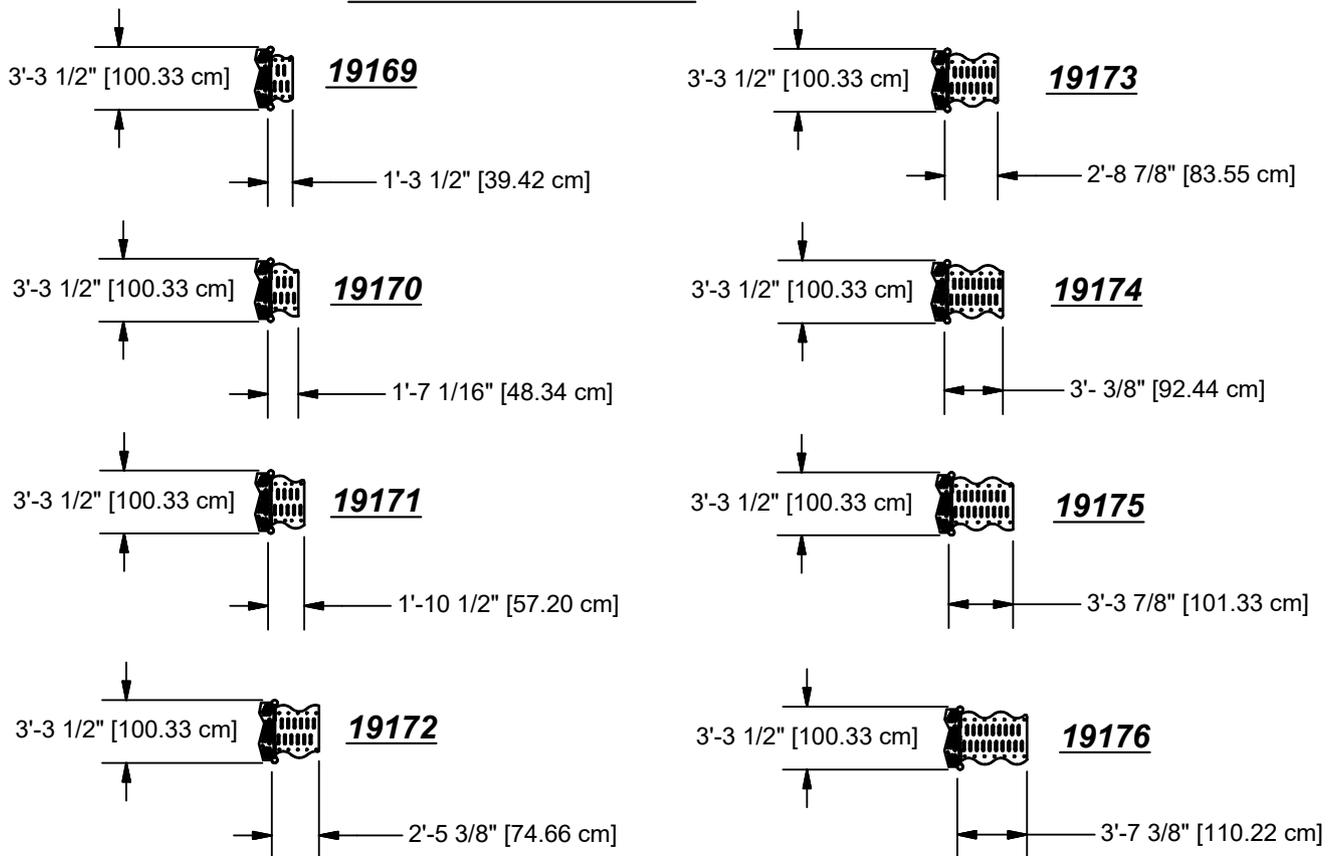


ASSEMBLY DRAWING

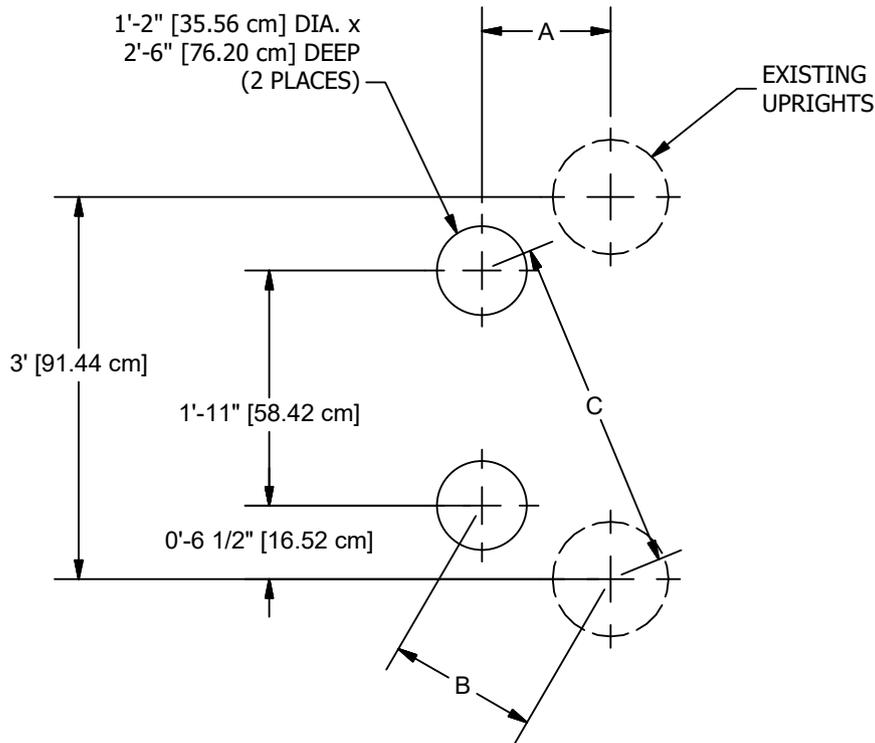
2'	19169
2'-6"	19170
3'	19171
4'	19172
4'-6"	19173
5'	19174
5'-6"	19175
6'	19176

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 OTHER) SHOULD BE USED ON ALL THREADED HARDWARE.



TOP VIEWS



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

GROUND PLAN

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

FINAL	"A" DIMENSION	"B" DIMENSION	"C" DIMENSION
19169	1'-5/8" [32.05 cm]	1'-2 3/16" [36.05 cm]	2'-8 1/16" [81.50 cm]
19170	1'-4 1/16" [40.86 cm]	1'-5 3/8" [44.07 cm]	2'-9 5/8" [85.35 cm]
19171	1'-7 9/16" [49.67 cm]	1'-8 5/8" [52.34 cm]	2'-11 3/8" [89.90 cm]
19172	2'-2 1/2" [67.27 cm]	2'-3 1/4" [69.26 cm]	3'-3 5/8" [100.69 cm]
19173	2'-5 11/16" [75.33 cm]	2'-6 3/8" [77.12 cm]	3'-5 13/16" [106.25 cm]
19174	2'-9 1/8" [84.13 cm]	2'-9 3/4" [85.73 cm]	3'-8 3/8" [112.66 cm]
19175	3'-7/8" [93.66 cm]	3'-1 7/16" [95.11 cm]	3'-11 1/4" [119.95 cm]
19176	3'-4 5/16" [102.46 cm]	3'-4 7/8" [103.78 cm]	4'-2" [126.94 cm]

Parts List										
REF.	DESCRIPTION	19169	19170	19171	19172	19173	19174	19175	19176	PART NUMBER
1	LEANING WALL	1	0	0	0	0	0	0	0	163007
1	LEANING WALL	0	1	0	0	0	0	0	0	163008
1	LEANING WALL	0	0	1	0	0	0	0	0	163009
1	LEANING WALL	0	0	0	1	0	0	0	0	177864
1	LEANING WALL	0	0	0	0	1	0	0	0	177866
1	LEANING WALL	0	0	0	0	0	1	0	0	177868
1	LEANING WALL	0	0	0	0	0	0	1	0	177870
1	LEANING WALL	0	0	0	0	0	0	0	1	177872
2	FRAME ASS'Y for LEANING WALL	1	0	0	0	0	0	0	0	162262
2	FRAME ASS'Y for LEANING WALL	0	1	0	0	0	0	0	0	162263
2	FRAME ASS'Y for LEANING WALL	0	0	1	0	0	0	0	0	162246
2	FRAME ASS'Y for LEANING WALL	0	0	0	1	0	0	0	0	177855
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	1	0	0	0	177857
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	0	1	0	0	177859
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	0	0	1	0	177861
2	FRAME ASS'Y for LEANING WALL	0	0	0	0	0	0	0	1	177863
3	D-RING WELD ASS'Y	2	2	2	2	2	2	2	2	202623
	HARDWARE COMPLETE	1	1	0	0	0	0	0	0	223033
	HARDWARE COMPLETE	0	0	1	0	0	0	0	0	223034
	HARDWARE COMPLETE	0	0	0	1	1	0	0	0	223035
	HARDWARE COMPLETE	0	0	0	0	0	1	1	0	223036
	HARDWARE COMPLETE	0	0	0	0	0	0	0	1	223037
	3/8" x 1" B.H.C.S.	2	2	2	2	2	2	2	2	811050*
	3/8" x 1 1/4" B.H.C.S.	2	2	2	2	2	2	2	2	811051*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	2	2	2	2	2	2	2	817424*
	3/8" LOCK WASHER	4	4	4	4	4	4	4	4	817334*
	3/8" T-NUT	2	2	2	2	2	2	2	2	804556*
	3/8" FLAT WASHER	2	2	2	2	2	2	2	2	817410*
	NUT 5/16"- INSERT TYPE 1	6	6	8	10	10	12	12	14	HWN0149*
	5/16" FLAT WASHER (11/16" O.D.)	6	6	8	10	10	12	12	14	817406*
	5/16" LOCK WASHER	6	6	8	10	10	12	12	14	817330*
	5/16" x 2 1/2" B.H.C.S.	6	6	8	10	10	12	12	14	811048*

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.**

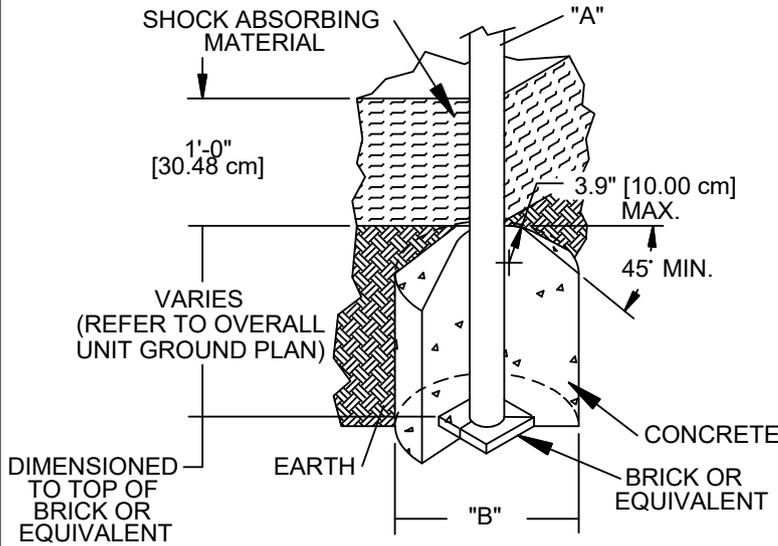
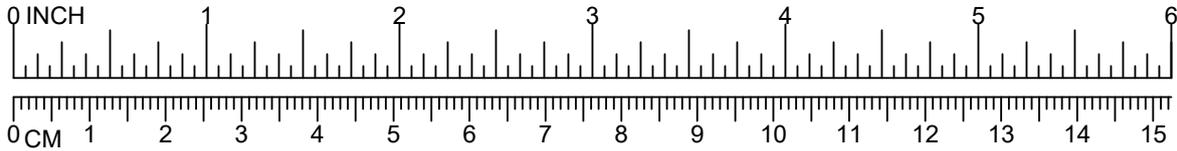
DETAILS -for- 19169 - 19176

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



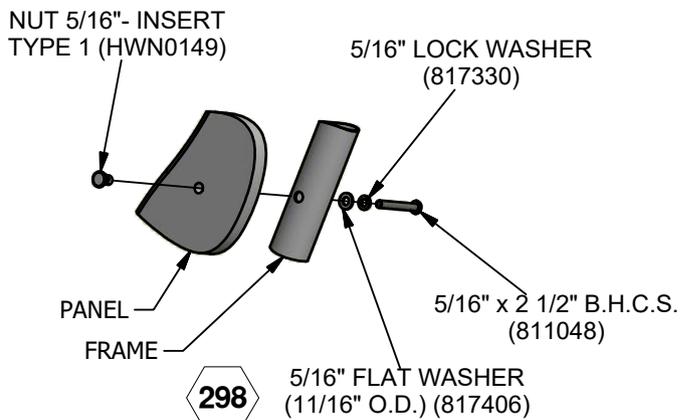
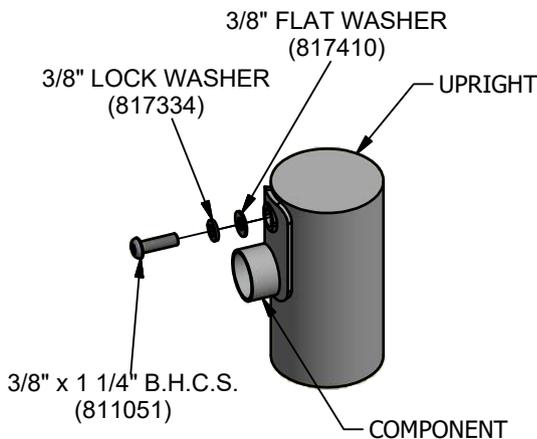
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

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.



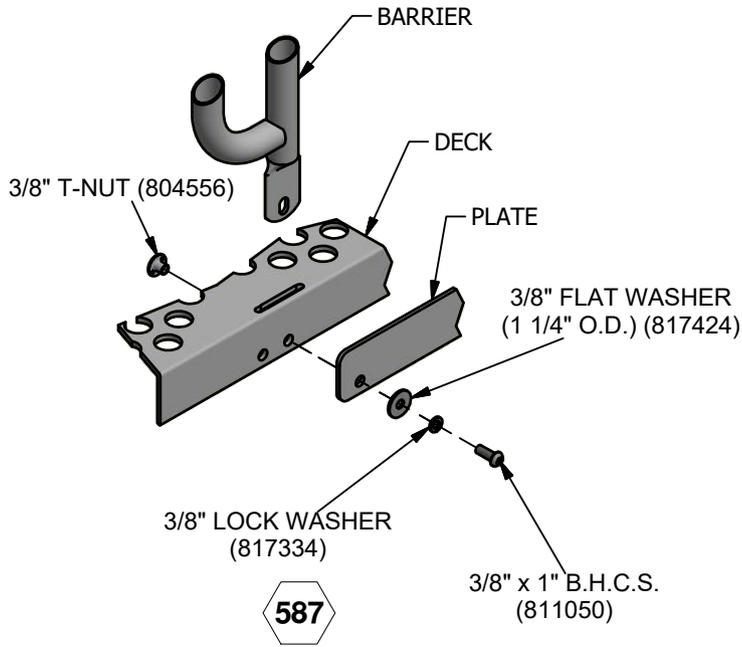
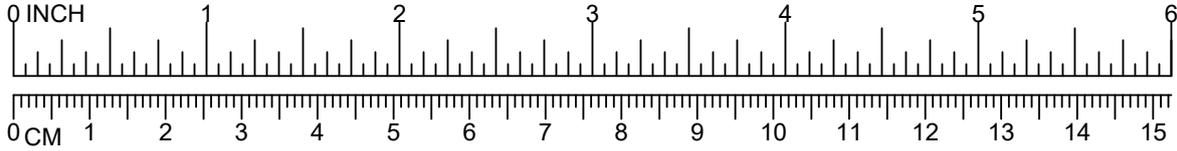
DETAILS -for- 19169 - 19176

IMPORTANT

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

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

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



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ISSUED/REVISED: 1/17/17

19215

**RUNG ENCLOSURE w/
MOLDED STEERING WHEEL**

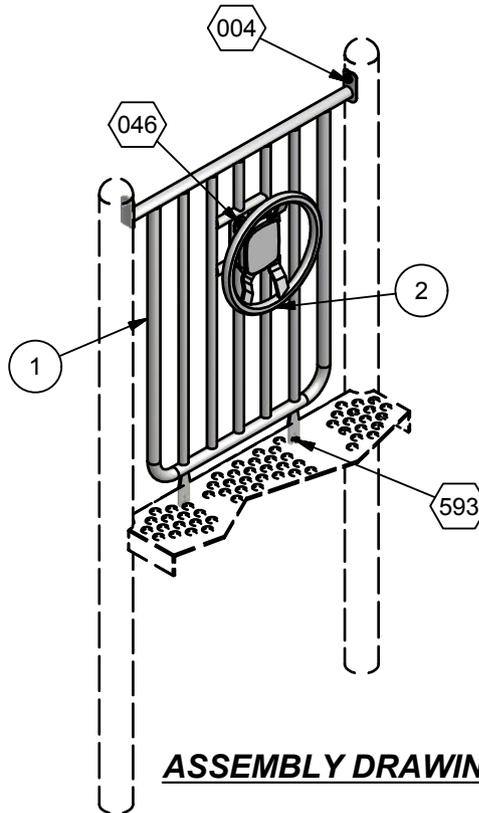
⬡ = INSTALLATION
= DETAIL

○ = PARTS LIST
REFERENCE

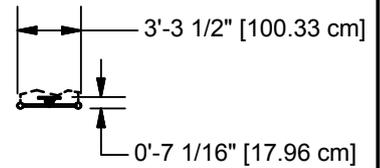


**INSTALLATION
INSTRUCTIONS**

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



ASSEMBLY DRAWING



TOP VIEW

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	RUNG ENCLOSURE w/ PLATE	1	203063
2	STEERING WHEEL ASSEMBLY	1	163235
	HARDWARE COMPLETE	1	203258
	3/8" x 3/4" B.H.C.S.	2	811052*
	3/8" x 1" B.H.C.S.	2	811050*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	3/8" FLAT WASHER	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
	3/8" LOCKWASHER	6	817334*
	3/8" ACORN NUT	2	804002*
	3/8" T-NUT	2	804556*

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

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

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

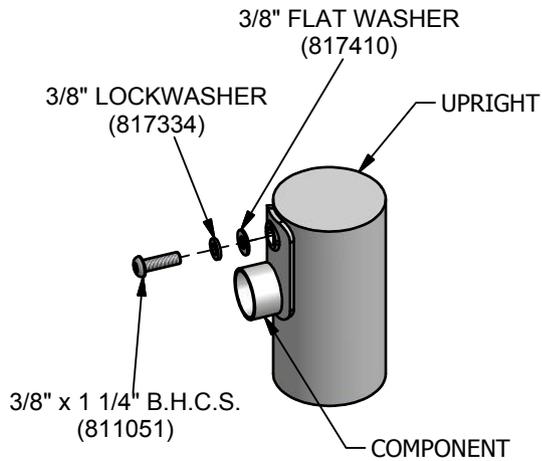
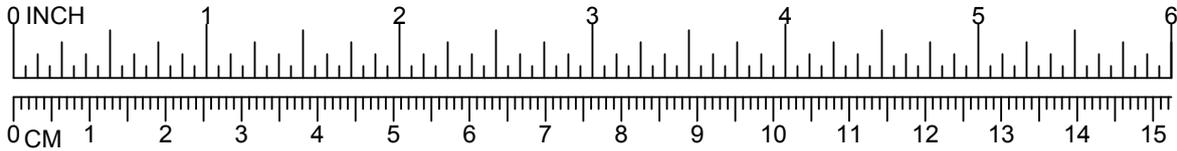
DETAILS -for- 19215

IMPORTANT

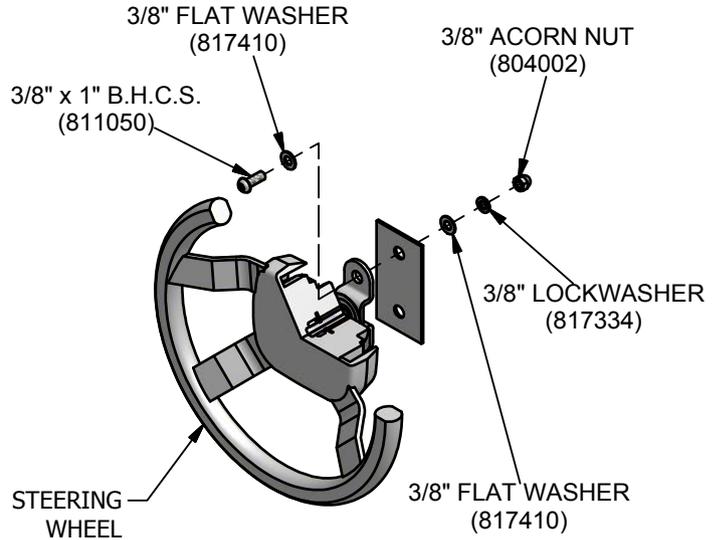
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED SMOOTH AND TREATED TO PREVENT CORROSION.

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

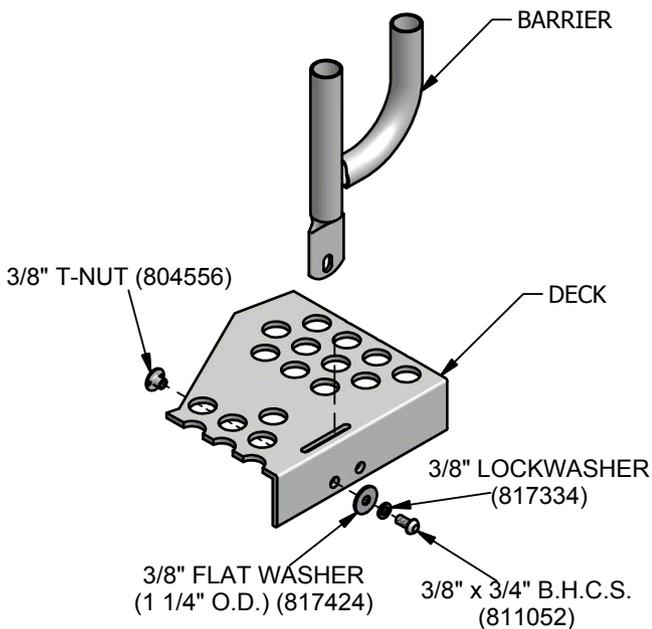
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



004



046



593

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ISSUED/REVISED: 10/30/13

19243 DRIVERS PANEL

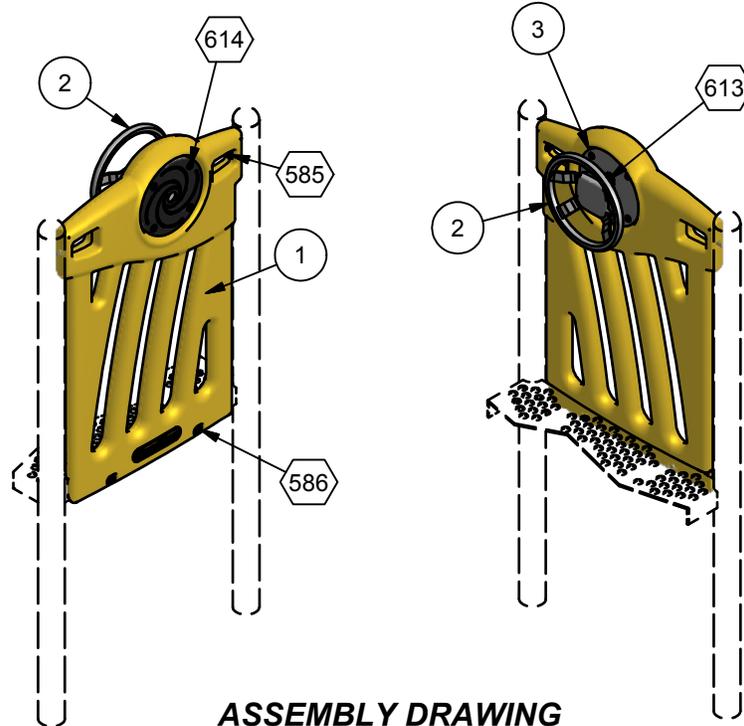
-  = INSTALLATION
-  = PARTS LIST REFERENCE

DRIVERS PANEL 19243
THUNDERRING PANEL 19244

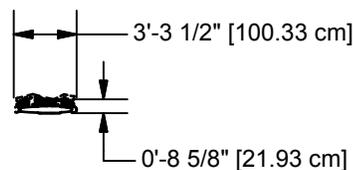


INSTALLATION INSTRUCTIONS

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 OTHER) SHOULD BE USED ON ALL THREADED HARDWARE.
4. ATTACH STEERING WHEEL OR THUNDERRING TO PLATE USING DETAIL 613 BEFORE ATTACHING PLATE TO PANEL.



ASSEMBLY DRAWING



TOP VIEW

Parts List				
REF	DESCRIPTION	19243	19244	PART NUMBER
1	SINGLE GIZMO PANEL	1	1	202602
2	STEERING WHEEL ASSEMBLY	1	0	163235
2	THUNDER RING	0	1	179013
3	WHEEL PLATE FRONT	1	1	203186
4	WHEEL PLATE REAR	1	1	207477
	HARDWARE COMPLETE	1	1	207546
	3/8" x 1 1/2" B.H.C.S.	2	2	811053*
	3/8" x 2 1/4" B.H.C.S.	2	2	811056*
	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" x 1" HEX BOLT	2	2	801003*
	3/8" T-NUT	2	2	804556*
	3/8" x 2 3/4" B.H.C.S.	4	4	811058*

*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.

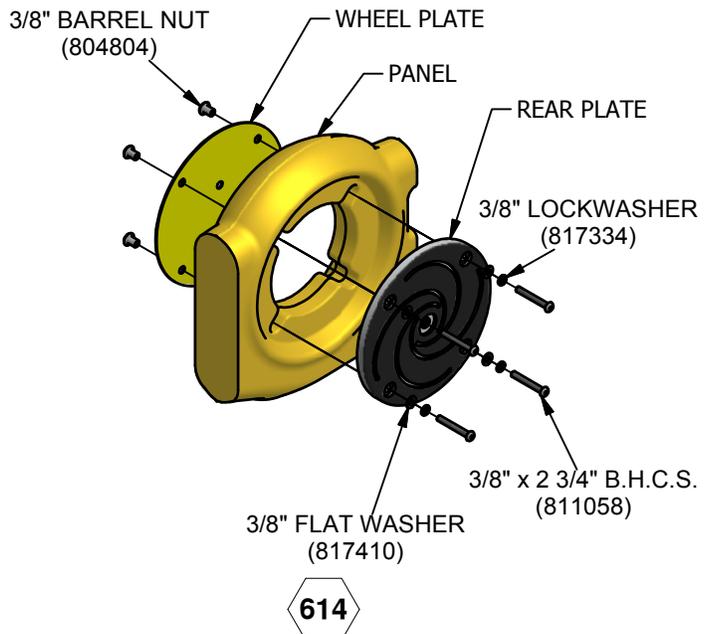
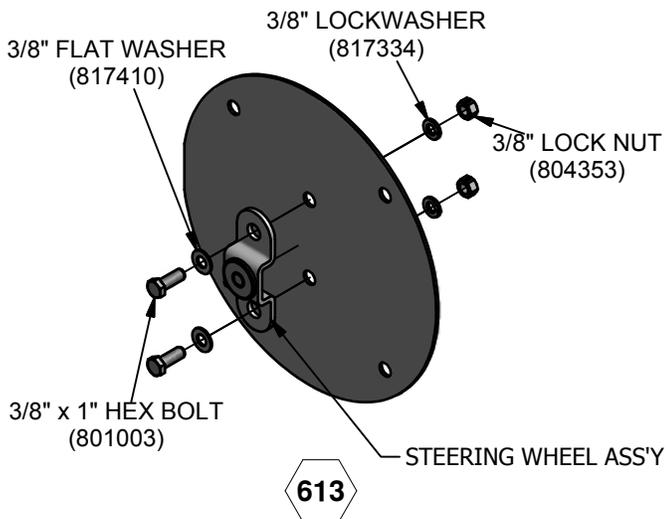
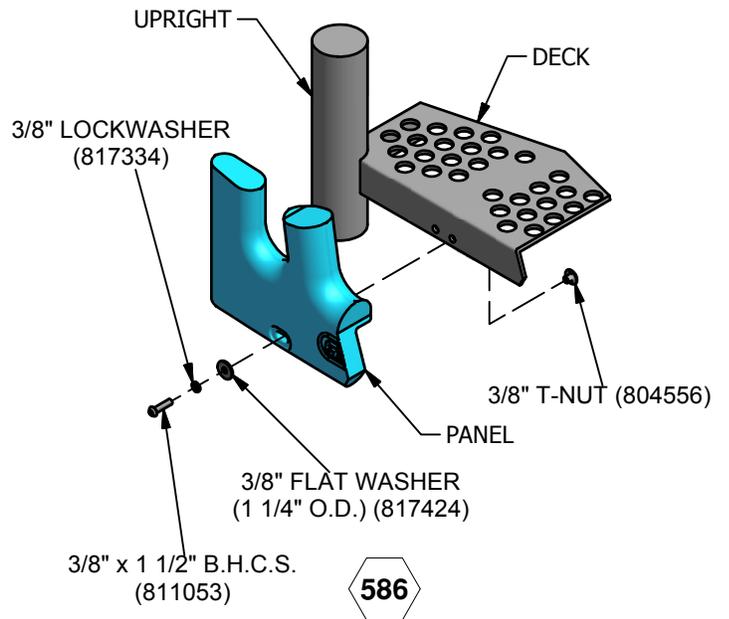
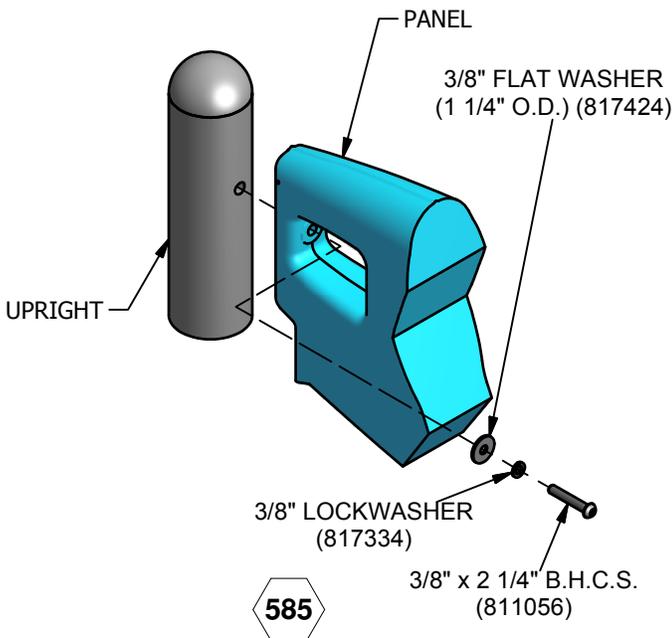
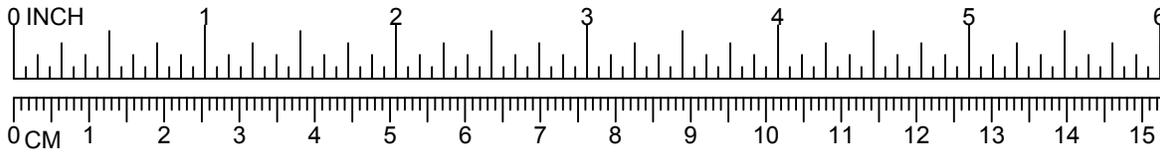
DETAILS -for- 19243 AND 19244

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING 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.

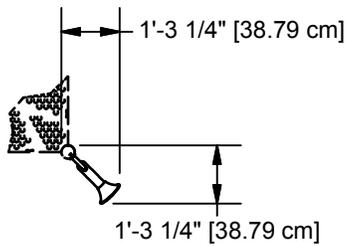
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



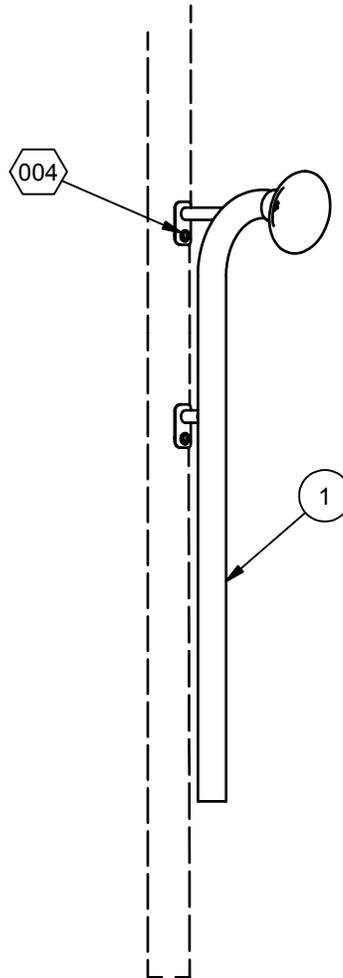
**19367
TALK TUBE
ATTACHMENTS**

-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

GROUND LEVEL 19367



**19367
TOP VIEW**



**SHOWN
19367**

INSTALLATION INSTRUCTIONS

IN-GROUND ASSEMBLY

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

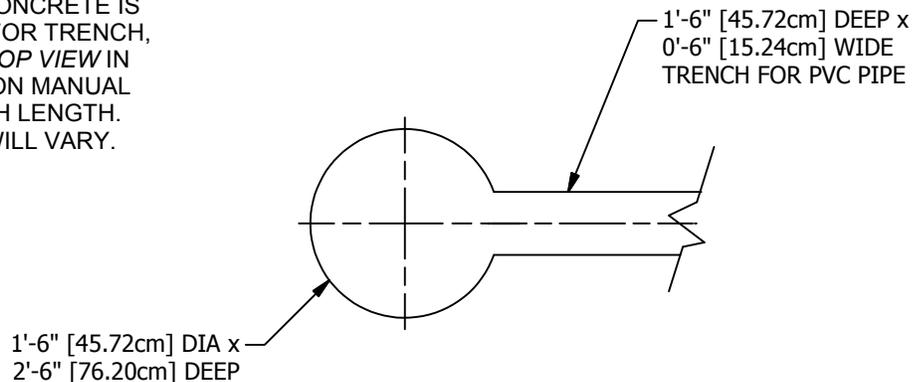
DECK ASSEMBLY

1. Before assembling this equipment, read the enclosed *Installer Instructions* in the installation booklet; follow all instructions during installation.
2. Assemble parts as shown in the *Assembly Drawing*. Refer to the assembly details for the specific hardware required in each connection.
3. Dig 6" wide x 6" deep trench between designated locations for talk tubes.

4. For ground level installation, attach Cone Assembly to upright using detail 004. Refer to Assembly Drawing for proper placement.

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

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

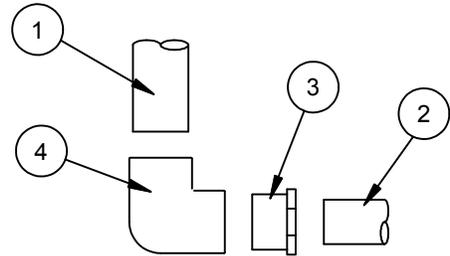
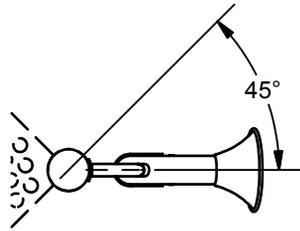


GROUND PLAN

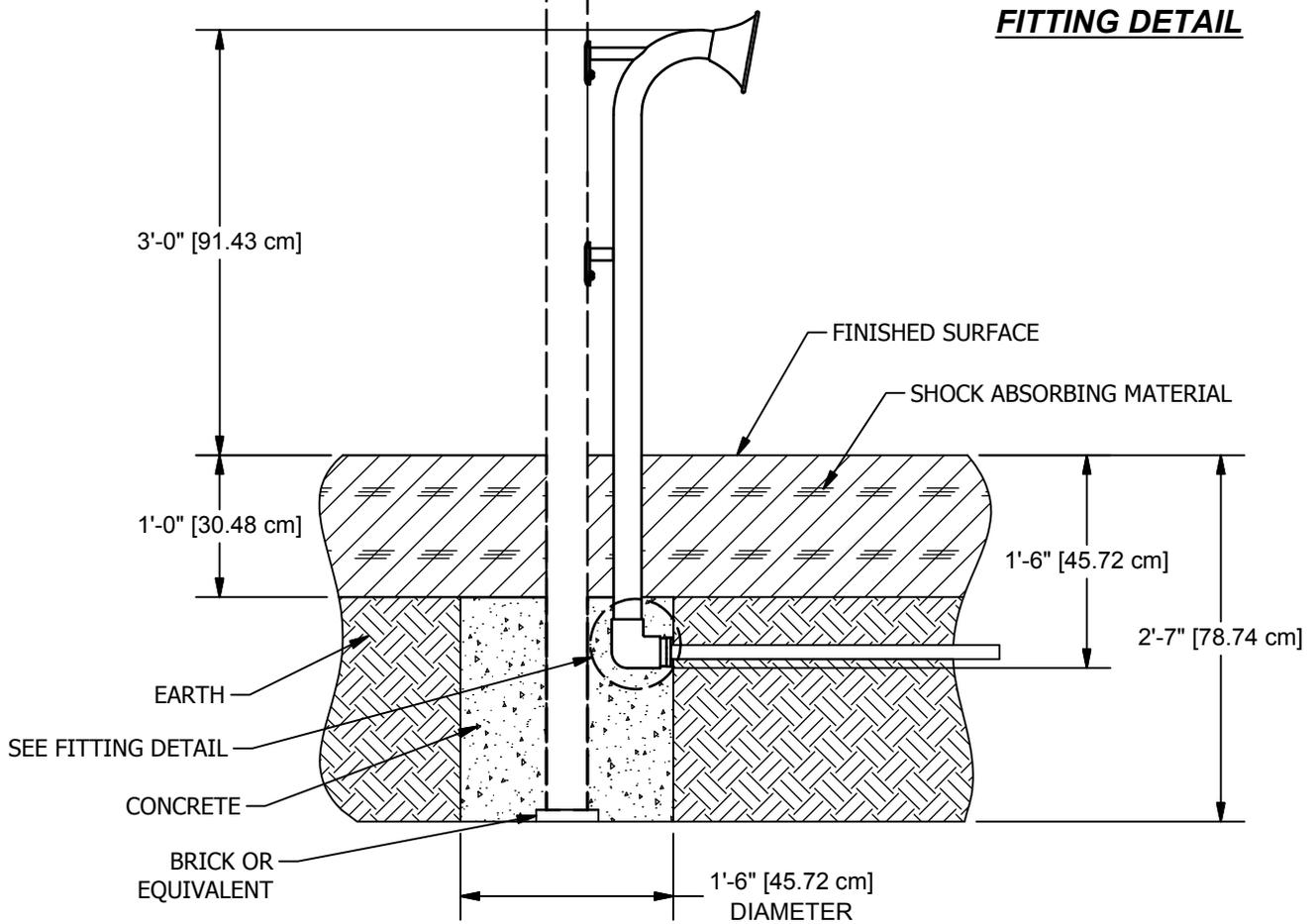
CONCRETE REQUIRED:
.10 CUBIC YARDS
[.07 CUBIC METERS]

NOTE: SUGGESTED MINIMUM
CONCRETE RATING: 3000 PSI

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



FITTING DETAIL



ASSEMBLY DRAWING
19367 SHOWN
(2 TO 5 YEAR OLD)

Parts List			
ITEM	DESCRIPTION	QTY	PART NUMBER
1	FUNNEL WELD ASSEMBLY	1	206460
2	1 1/4" PVC PIPE (10' LG.)	1	147221
	HARDWARE COMPLETE	1	206463
3	2" X 1 1/4" PVC BUSHING	1	141216*
4	2" PVC 90° ELBOW	1	141214*
	4 OZ. CAN PVC GLUE	1	147199*
	3/8" x 1 1/4" B.H.C.S.	2	811051*
	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: 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.

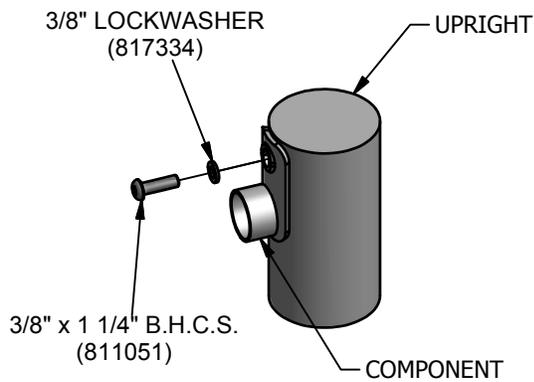
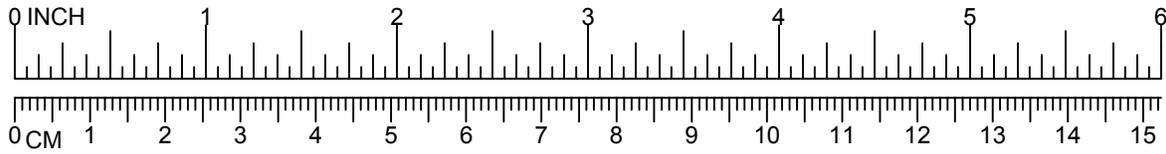
DETAILS -for- 19367

IMPORTANT

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

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

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



004



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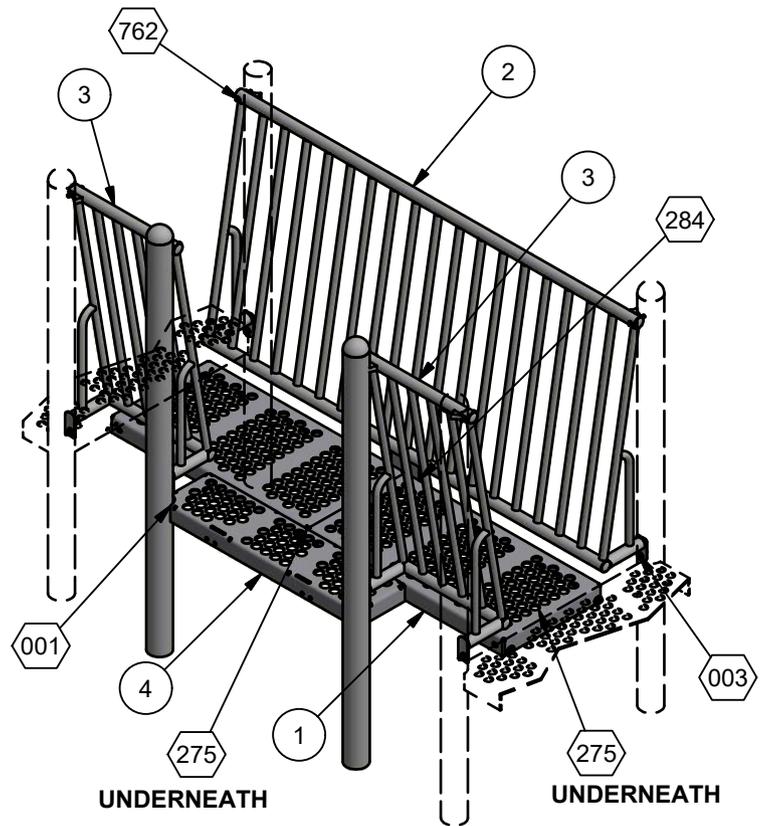
ISSUED/REVISED: 3/10/20

PLAY PORT FUNNEL BRIDGE

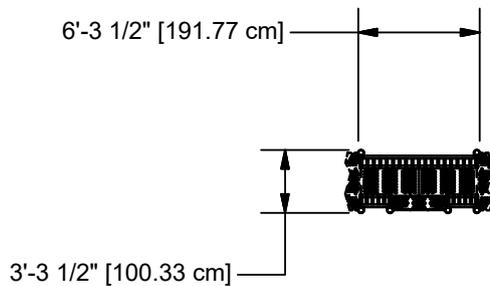
-  = INSTALLATION
= DETAIL
-  = PARTS LIST
= REFERENCE

INSTALLATION INSTRUCTIONS

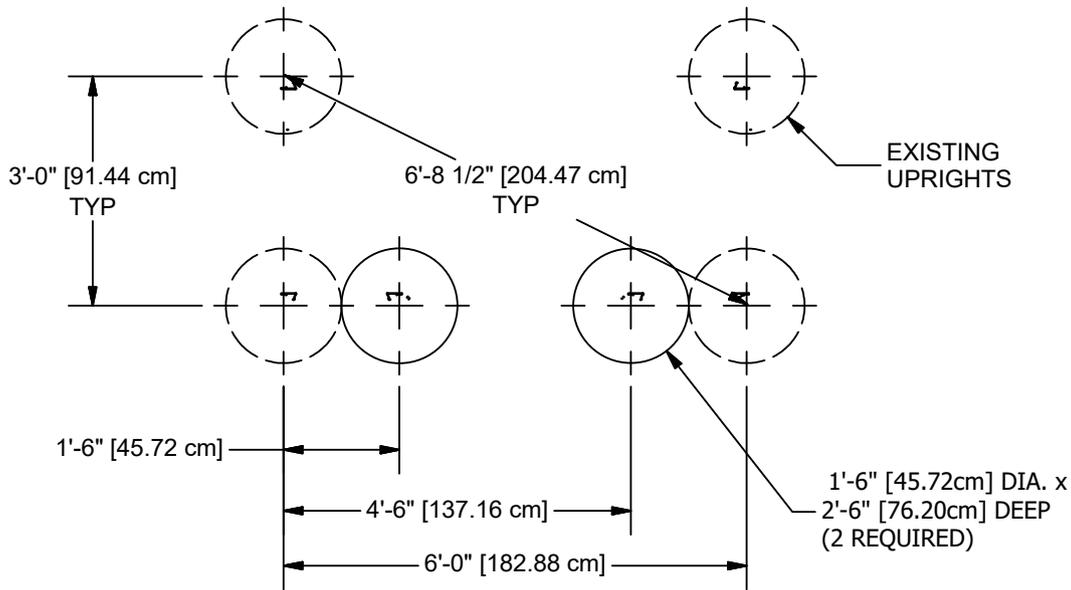
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.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



ASSEMBLY DRAWING



TOP VIEW



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

GROUND PLAN

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	PUNCHED STEEL WALKWAY	2	159301
2	6' FUNNEL BRIDGE BARRIER RAIL	1	218706
3	BARRIER WELD ASS'Y	2	218717
4	FILLER DECK COATED	1	206737
	HARDWARE COMPLETE	1	206738
	3/8" x 3/4" B.H.C.S.	12	811052*
	3/8" x 1 1/4" B.H.C.S.	6	811051*
	3/8" x 2 1/2" B.H.C.S.	6	811057*
	3/8" FLAT WASHER (1 1/4" O.D.)	14	817424*
	3/8" LOCK WASHER	26	817334*
	3/8" T-NUT	12	804556*
	3/8" x 1 1/2" B.H.C.S.	2	811053*
	3/8" FLAT WASHER	6	817410*
	HDPE FILLER TAB	6	218756*

*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 2
Note: Loctite (supplied by others) should be used on any non-patch hardware.

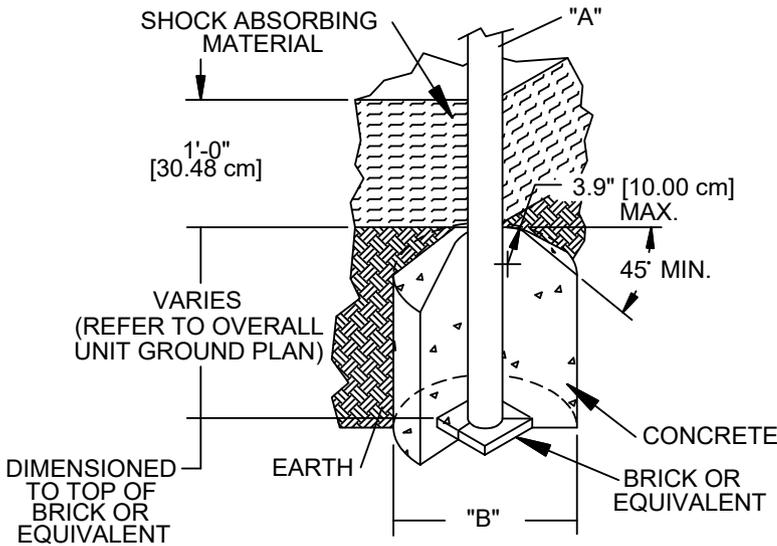
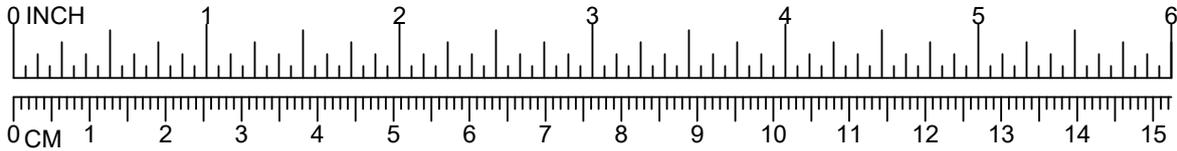
DETAILS -for- 19372

IMPORTANT

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

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

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



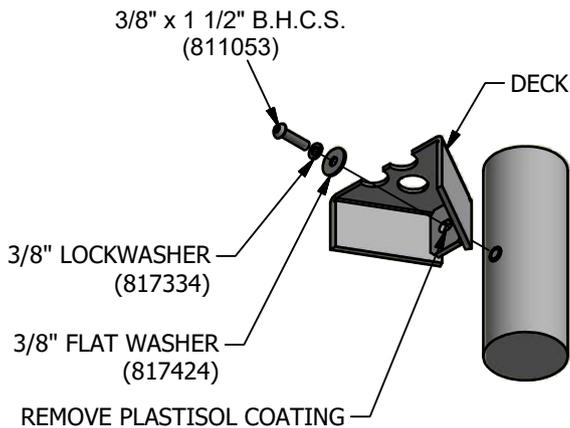
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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

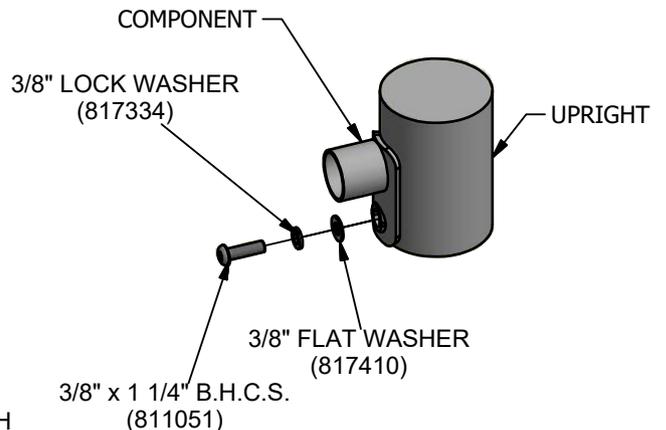
005

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



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

001



003

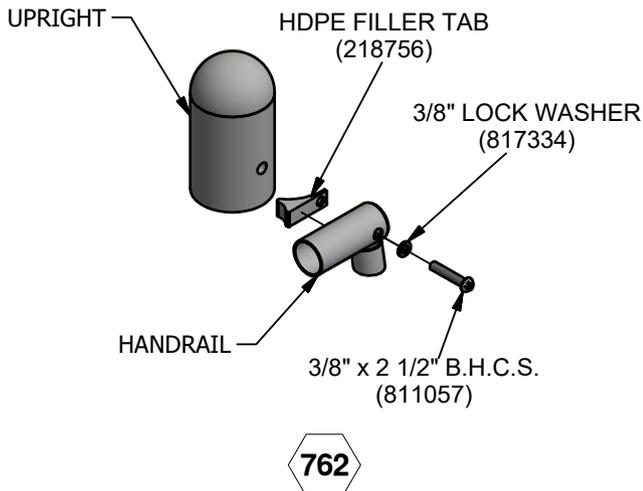
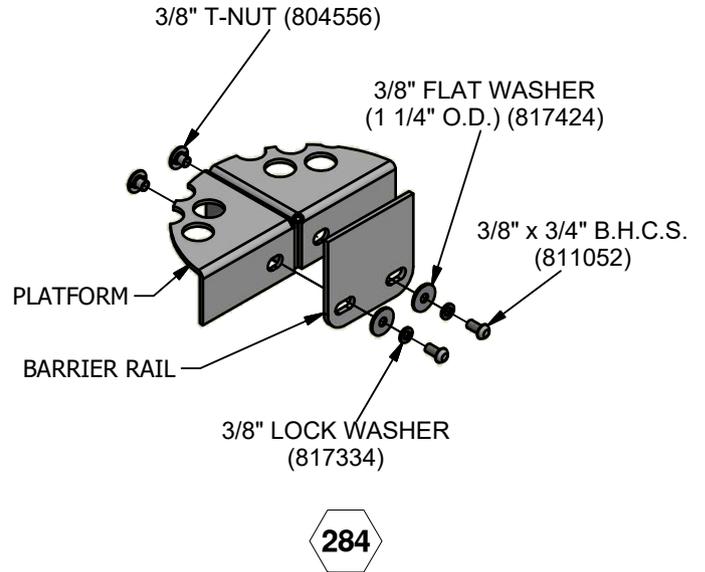
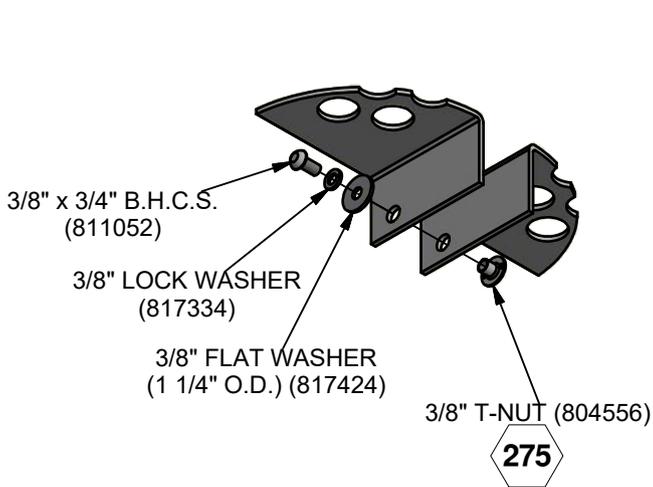
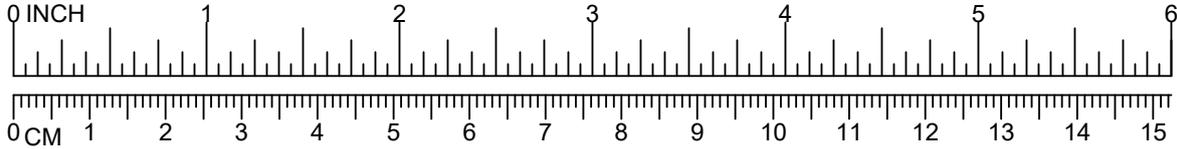
DETAILS -for- 19372

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.



FILLER TABS ARE REQUIRED FOR CSA/EN COMPLIANCE ONLY WHEN CONNECTION IS ADJACENT TO A SLIDE OPENING.

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1-800-235-2440

ISSUED/REVISED: 09/06/2024

**19382
WILDER
SLIDE II**

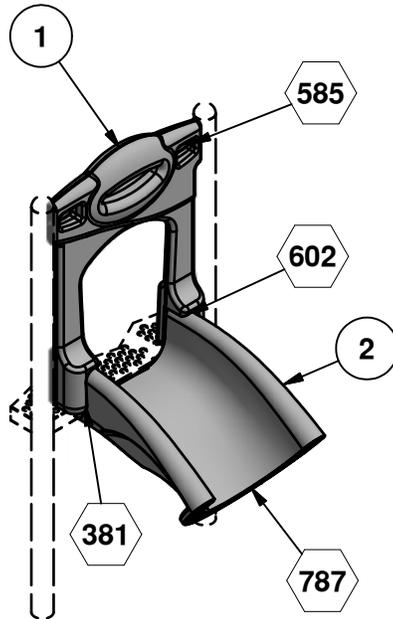
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-  = PARTS LIST REFERENCE



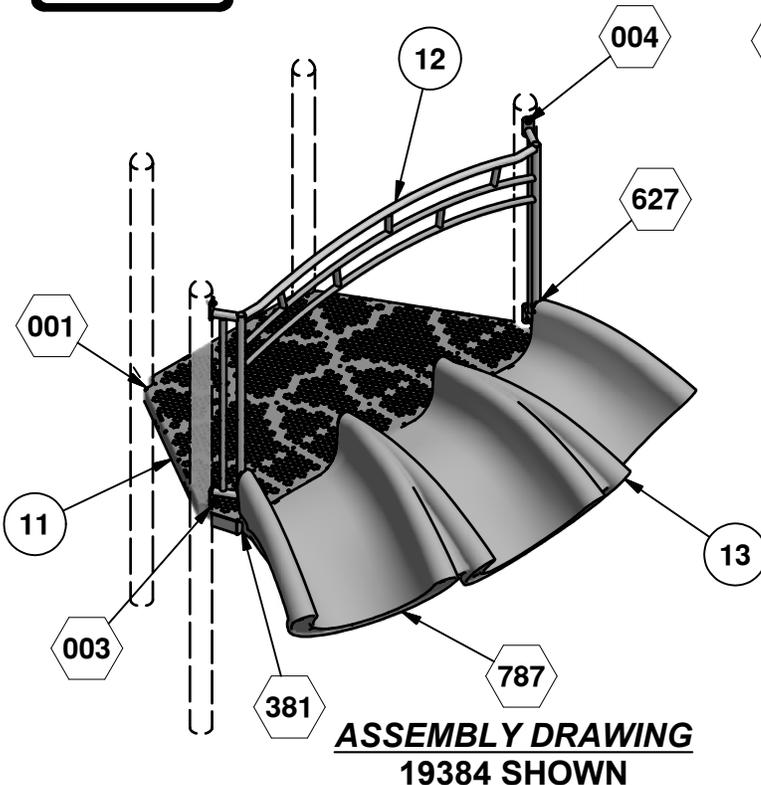
UP TO 5'-0"



UP TO 8'-0"

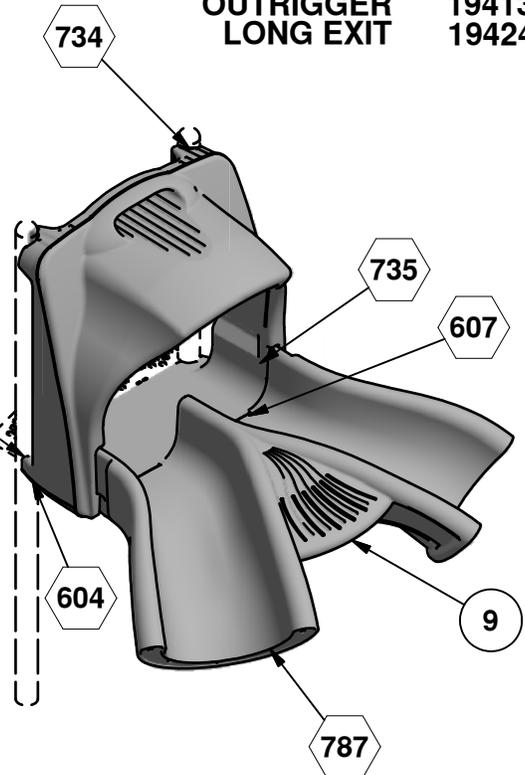


**ASSEMBLY DRAWING
19382 SHOWN**

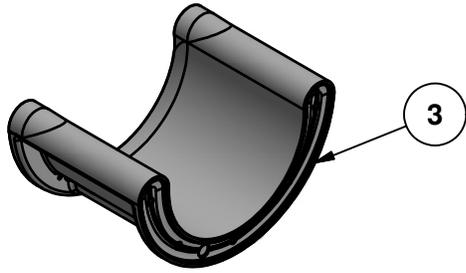


**ASSEMBLY DRAWING
19384 SHOWN**

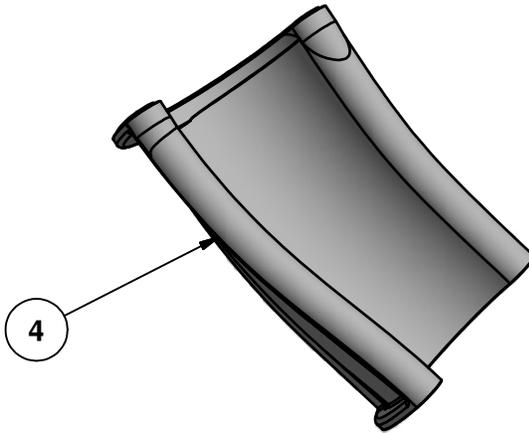
SINGLE ENTRANCE	19382
DOUBLE ENTRANCE	19464
TRIPLE ENTRANCE	19384
STRAIGHT	19385
CURVE LEFT	19386
CURVE RIGHT	19387
EXIT	19388
OBSOLETE 140° HELIX SPIRAL	19389
HELIX SPIRAL	19390
SLIDE SUPPORT	19391
SLIDE SUPPORT	19392
DOUBLE STRAIGHT	19403
SLIDE SUPPORT	19412
OUTRIGGER	19413
LONG EXIT	19424



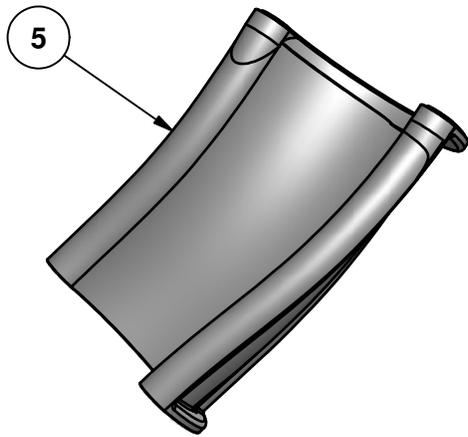
**ASSEMBLY DRAWING
19464 SHOWN**



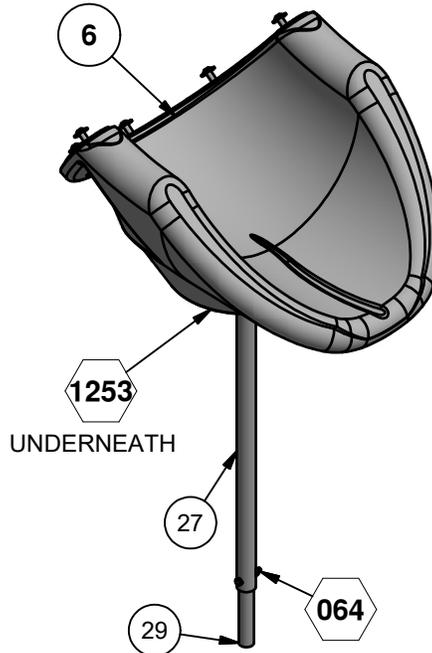
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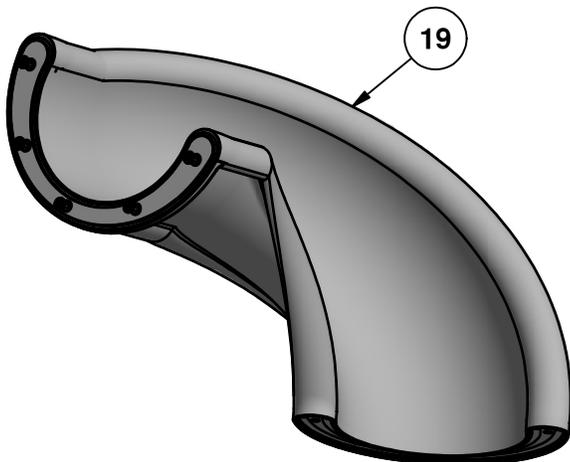
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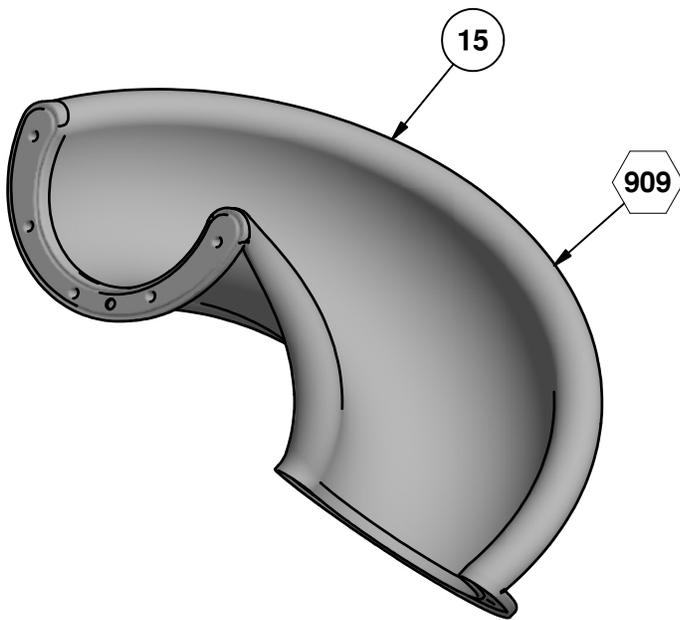
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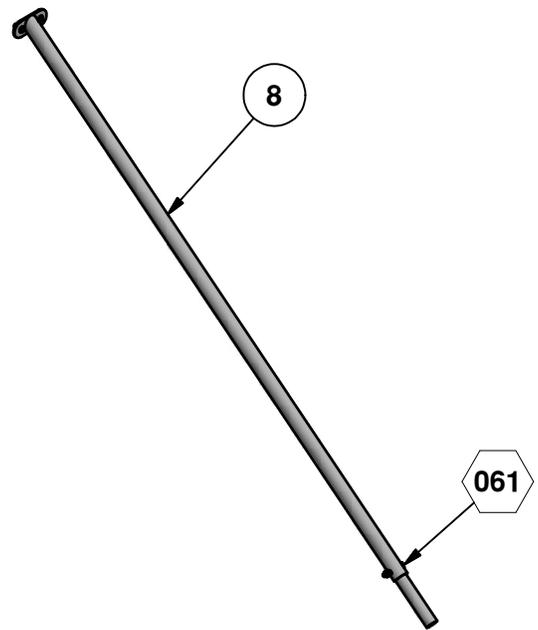
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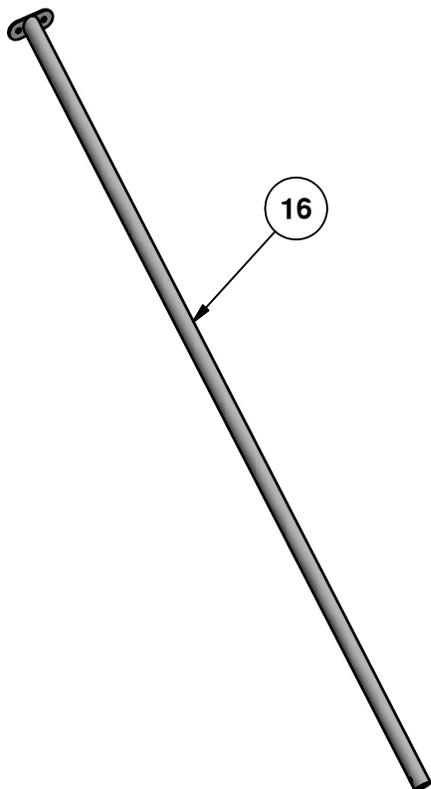
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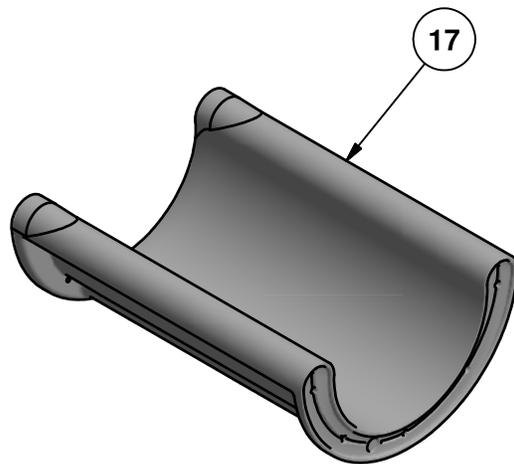
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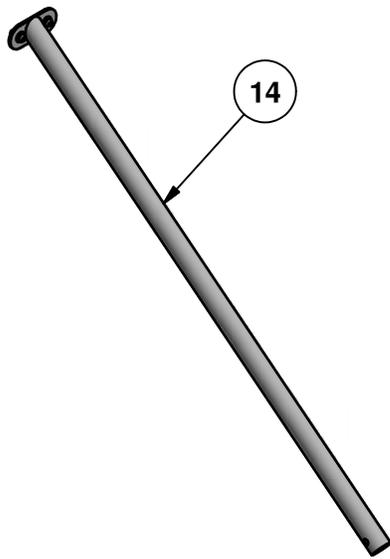
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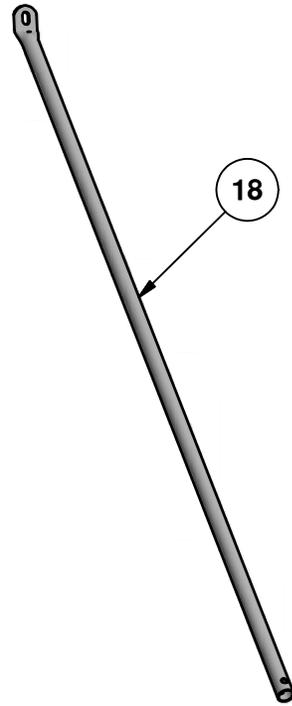
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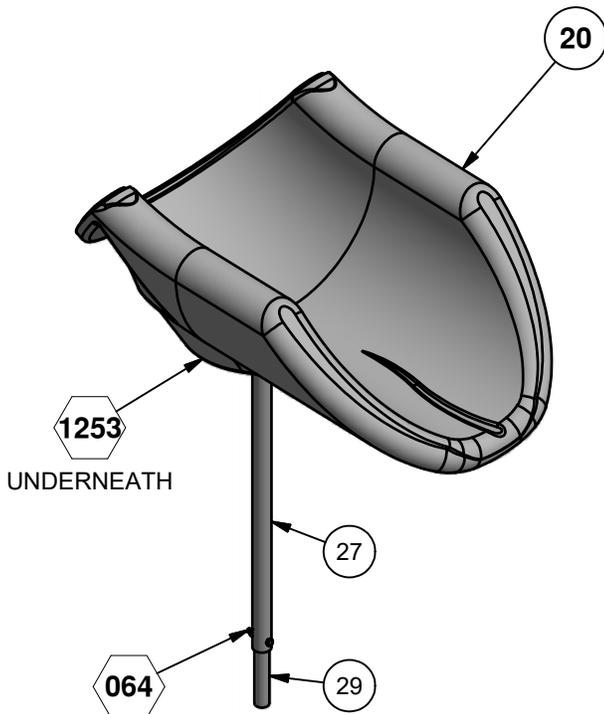
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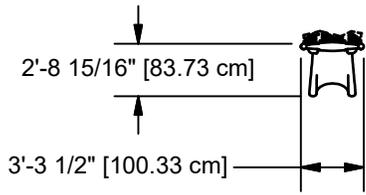
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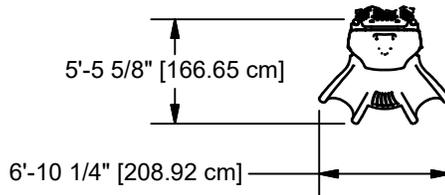
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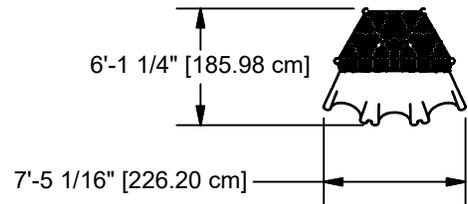
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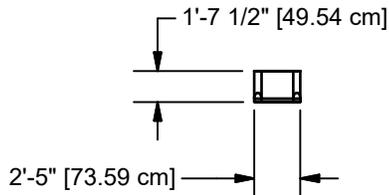
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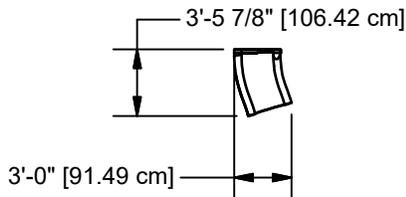
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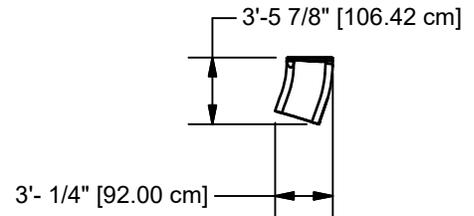
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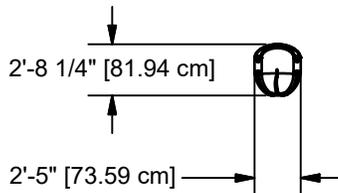
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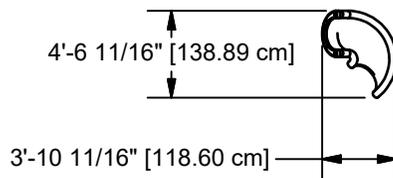
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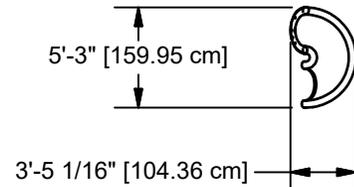
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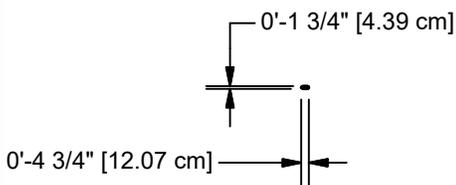
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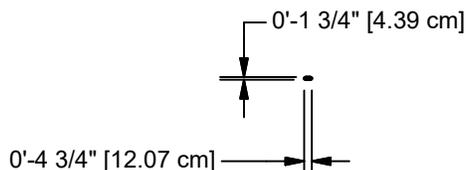
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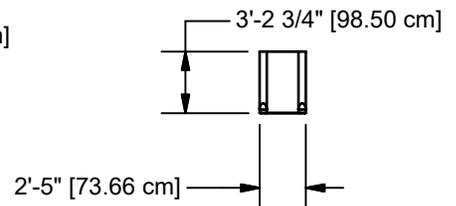
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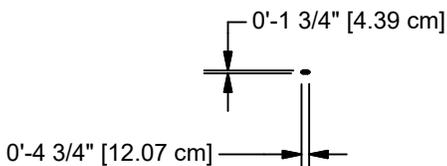
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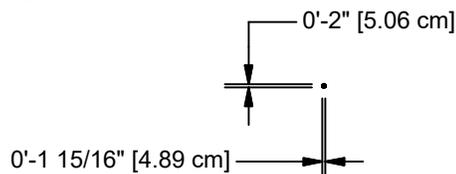
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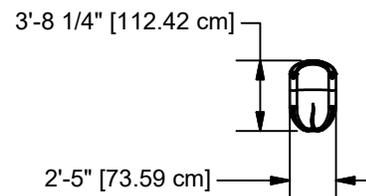
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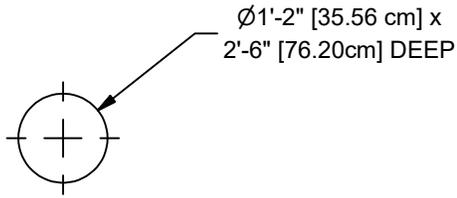


19413



19424

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

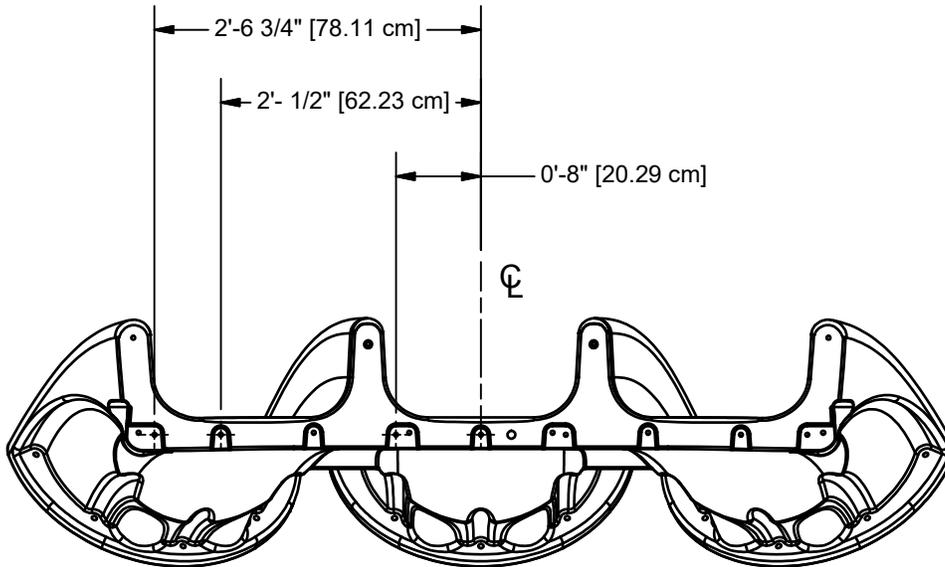


CONCRETE REQUIRED:
.06 CUBIC YARDS
[.05 CUBIC METERS]

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

PER GROUND HOLE
(DETERMINED BY CONFIGURATION)

GROUND PLAN



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

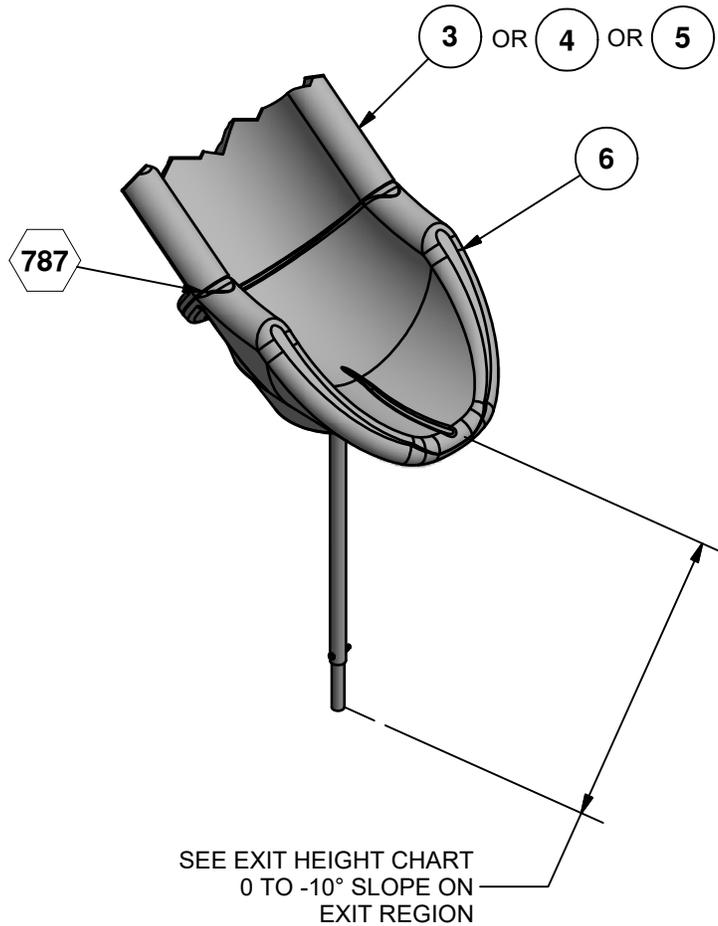
TRIPLE ENTRANCE HOLE PATTERN DETAIL

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

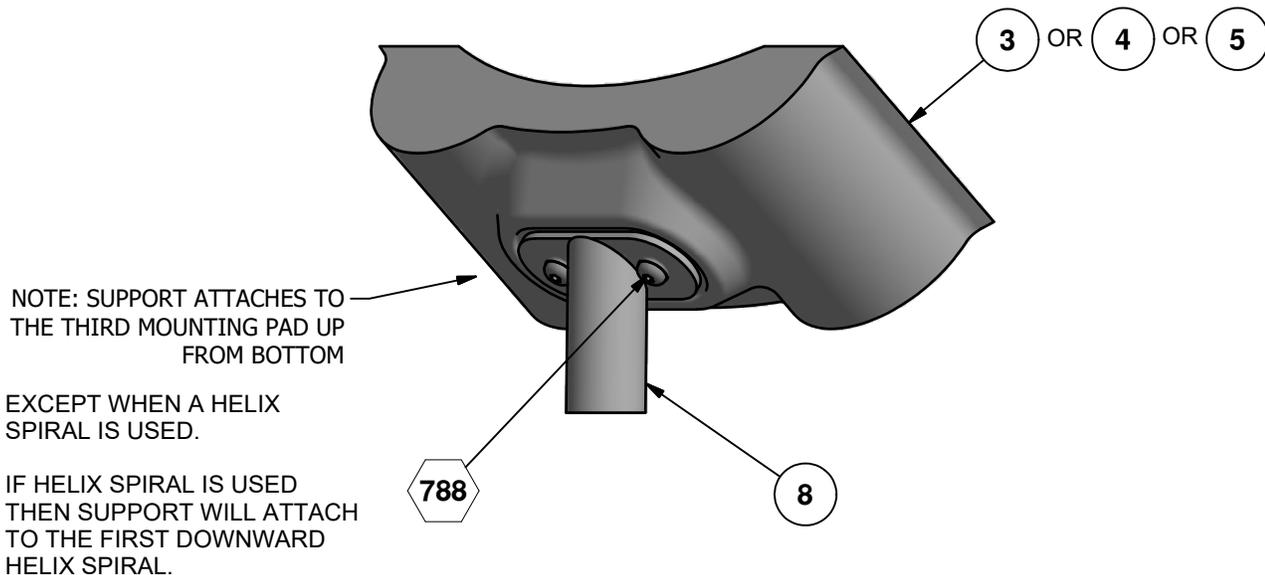
NOTE: CHECK SLIDE EXIT FOR PROPER WATER DRAINAGE BEFORE CONCRETE IS APPLIED

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

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



EXIT SECTION ASSEMBLY DRAWING



SLIDE SUPPORT ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

SINGLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Zip Slide Hood using Detail 585.
4. Attach Footbuck to Exit Section using Detail 319.
5. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
6. Once all sections are bolted together, hand tight, install the slide to the Zip Slide Hood and platform using Detail 381 and Detail 602.
7. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
8. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
9. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 7 and 8 until seams are properly fitted.
10. After the slide is adjusted and the bolts are tight, attach the slide support using Detail 659 (if required).
11. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
12. Attach Outrigger to Spirals if required using Detail 840.

DOUBLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach Double Slide Hood using Detail 734, Detail 604, and Detail 605.
4. Attach Footbucks to Exit Sections using Detail 319.
5. Attach the Double Entrance Section using Detail 735 and Detail 607.
6. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
7. Once all sections are bolted together, hand tight, install the slides to the Double Entrance Section using Detail 787.
8. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
9. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
10. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 8 and 9 until seams are properly fitted.
11. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 659 (if required).
12. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
13. Attach Outrigger to Spirals if required using Detail 840.

TRIPLE BEDWAY SLIDES

1. Before assembling this equipment, read the enclosed *INSTALLATION INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in *ASSEMBLY DRAWINGS*. Refer to the assembly details for the specific hardware required in each connection.
3. Attach the four Uprights to Triple Slide Deck using Detail 001.
4. Attach Triple Slide Enclosure using Detail 003 and Detail 004.
5. Attach Footbucks to Exit Sections using Detail 1253.
6. Attach the Triple Entrance Section using Detail 381 and Detail 627.
7. Assemble all slide sections on the ground. Bolt each section together using the hardware shown in Detail 787. Hand tighten the five bolts that join each section.
Note: Refer to your units Top View for proper placement and orientation of each slide section.
8. Once all sections are bolted together, hand tight, install the slides to the Triple Entrance Section using Detail 787.
9. Starting at the top section, tighten the five bolts with a wrench. Tighten the top 2 bolts first, the bottom single bolt second, then the remaining 2 bolts as shown, See Figure #1.
10. It is important that each seam between slide sections are as tight as possible. Be sure that the seams are flush or higher on the upper piece. See Figure #2.
11. After tightening all the pieces, if seam adjustment is necessary, slightly loosen the bolts in the area to be adjusted and repeat step 9 and 10 until seams are properly fitted.
12. After the slide is adjusted and the bolts are tight, attach the slide supports using Detail 659 (if required).
13. Use Detail 660 to plug inserts in Straight and Curved Sections as required.
14. Attach Outrigger to Spirals if required using Detail 840.

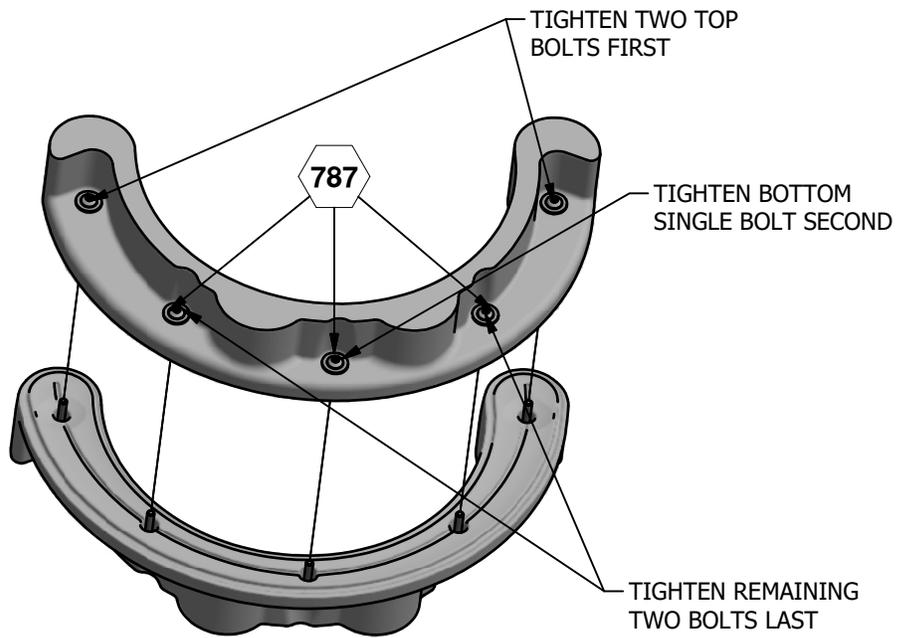


FIGURE #1

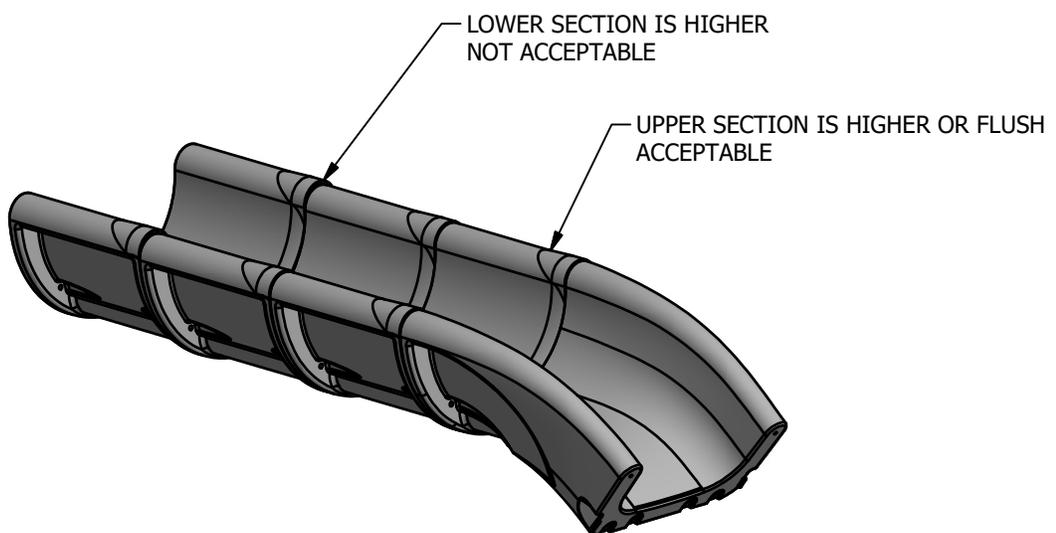


FIGURE #2

Parts List									
REF.	DESCRIPTION	19382	19464	19384	19385	19386	19387	19388	PART NUMBER
1	ZIP SLIDE ENTRANCE	1	0	0	0	0	0	0	202636
2	SINGLE ENTRANCE SECTION	1	0	0	0	0	0	0	205960
3	STRAIGHT SECTION	0	0	0	1	0	0	0	205962
4	CURVED LEFT SECTION	0	0	0	0	1	0	0	205963
5	CURVED RIGHT SECTION	0	0	0	0	0	1	0	205964
6	EXIT	0	0	0	0	0	0	1	206179
7	FOOTBUCK PLATE	0	0	0	0	0	0	1	223226
8	SUPPORT ASS'Y	0	0	0	0	0	0	0	312634
9	DOUBLE ENTRANCE SECTION	0	1	0	0	0	0	0	206167
10	DOUBLE SLIDE HOOD	0	1	0	0	0	0	0	214527
11	COATED TRIPLE SLIDE DECK	0	0	1	0	0	0	0	207568
12	TRIPLE SLIDE ENCLOSURE WELD ASS'Y	0	0	1	0	0	0	0	207561
13	TRIPLE ENTRANCE SECTION	0	0	1	0	0	0	0	206168
14	SLIDE SUPPORT	0	0	0	0	0	0	0	208976
15	HELIX SPIRAL	0	0	0	0	0	0	0	206170
16	SUPPORT ASS'Y	0	0	0	0	0	0	0	312637
17	DOUBLE STRAIGHT SECTION	0	0	0	0	0	0	0	207601
18	OUTRIGGER	0	0	0	0	0	0	0	209049
19	HELIX SPIRAL 140 DEGREES	0	0	0	0	0	0	0	210735
20	EXIT SECTION	0	0	0	0	0	0	0	211303
21	FOOTBUCK PIPE	0	0	0	0	0	0	1	223452
	HARDWARE COMPLETE	1	0	0	0	0	0	0	207053
	HARDWARE COMPLETE	0	0	0	1	0	0	0	207054
	HARDWARE COMPLETE	0	0	0	0	1	1	0	207055
	HARDWARE COMPLETE	0	0	0	0	0	0	1	224867
	HARDWARE COMPLETE	0	1	0	0	0	0	0	207572
	HARDWARE COMPLETE	0	0	1	0	0	0	0	207573
	EXTENSION LEG	0	0	0	0	0	0	1	152110*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	0	4	812052*
	3/8" x 1" B.H.C.S.	0	2	0	2	4	4	0	811050*
	3/8" x 1 1/4" B.H.C.S.	0	0	6	0	0	0	0	811051*
	3/8" x 1 1/4" SELF TAPPER SCREW	0	0	0	0	0	0	1	HWS0081*
	3/8" x 1 1/2" B.H.C.S.	0	0	4	0	0	0	0	811053*
	3/8" x 1 3/4" B.H.C.S.	2	0	6	0	0	0	0	811054*
	3/8" x 2" P.B.H.C.S w/Patch	0	0	0	5	5	5	5	812055*
	3/8" x 2" B.H.C.S	0	4	2	0	0	0	0	811055*
	3/8" x 2 1/4" B.H.C.S.	2	0	0	0	0	0	0	811056*
	3/8" x 2 1/2" B.H.C.S.	2	0	0	0	0	0	0	811057*
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	0	0	0	0	1	801009*
	3/8" X 3" B.H.C.S.	0	8	0	0	0	0	0	811059*
	3/8" FLATWASHER	0	0	4	0	0	0	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	6	14	14	6	6	6	5	817424*
	3/8" LOCK WASHER	6	12	20	5	5	5	10	817334*
	3/8" HEX NUT	0	2	0	0	0	0	1	804053*
	3/8" BARREL NUT LONG	0	0	0	5	5	5	5	804820*
	1/2" FLATWASHER	0	0	0	6	6	6	5	817425*

Unless Otherwise Specified, All Units of Measure are Each
*Included in Hardware
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**
**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.**

Parts List										
REF.	DESCRIPTION	19389	19390	19391	19392	19403	19412	19413	19424	PART NUMBER
1	ZIP SLIDE ENTRANCE	0	0	0	0	0	0	0	0	202636
2	SINGLE ENTRANCE SECTION	0	0	0	0	0	0	0	0	205960
3	STRAIGHT SECTION	0	0	0	0	0	0	0	0	205962
4	CURVED LEFT SECTION	0	0	0	0	0	0	0	0	205963
5	CURVED RIGHT SECTION	0	0	0	0	0	0	0	0	205964
6	EXIT	0	0	0	0	0	0	0	0	206179
7	FOOTBUCK PLATE	0	0	0	0	0	0	0	1	223226
8	SUPPORT ASS'Y	0	0	1	0	0	0	0	0	312634
9	DOUBLE ENTRANCE SECTION	0	0	0	0	0	0	0	0	206167
10	DOUBLE SLIDE HOOD	0	0	0	0	0	0	0	0	214527
11	COATED TRIPLE SLIDE DECK	0	0	0	0	0	0	0	0	207568
12	TRIPLE SLIDE ENCLOSURE WELD ASS'Y	0	0	0	0	0	0	0	0	207561
13	TRIPLE ENTRANCE SECTION	0	0	0	0	0	0	0	0	206168
14	SLIDE SUPPORT	0	0	0	0	0	1	0	0	208976
15	HELIX SPIRAL	0	1	0	0	0	0	0	0	206170
16	SUPPORT ASS'Y	0	0	0	1	0	0	0	0	312637
17	DOUBLE STRAIGHT SECTION	0	0	0	0	1	0	0	0	207601
18	OUTRIGGER	0	0	0	0	0	0	1	0	209049
19	HELIX SPIRAL 140 DEGREES	1	0	0	0	0	0	0	0	210735
20	EXIT SECTION	0	0	0	0	0	0	0	1	211303
21	FOOTBUCK PIPE	0	0	0	0	0	0	0	1	223452
	HARDWARE COMPLETE	1	1	0	0	0	0	0	0	207054
	HARDWARE COMPLETE	0	0	0	0	1	0	0	0	207055
	HARDWARE COMPLETE	0	0	0	0	0	0	0	1	224868
	HARDWARE COMPLETE	0	0	1	0	0	0	0	0	207057
	HARDWARE COMPLETE	0	0	0	1	0	1	0	0	208399
	EXTENSION LEG	0	0	0	0	0	0	0	1	152110*
	3/8" x 3/4" P.B.H.C.S. w/PATCH	0	0	0	0	0	0	0	4	812052*
	3/8" x 1" B.H.C.S.	2	2	2	2	4	2	0	0	811050*
	3/8" x 1 1/4" SELF TAPPER SCREW	0	0	0	0	0	0	0	1	HWS0081*
	3/8" x 2" P.B.H.C.S w/Patch	0	5	0	0	5	0	0	5	812055*
	3/8" x 2 1/4" P.B.H.C.S w/Patch	5	0	0	0	0	0	0	0	812056*
	3/8" x 2 1/2" HEX HEAD BOLT	0	0	1	0	0	0	0	1	801009*
	3/8" FLATWASHER	0	0	2	2	0	2	0	4	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	5	6	0	0	6	0	0	5	817424*
	3/8" LOCK WASHER	5	5	3	2	5	2	0	10	817334*
	3/8" HEX NUT	0	0	1	0	0	0	0	1	804053*
	3/8" BARREL NUT LONG	5	5	0	0	5	0	0	5	804820*
	1/2" FLATWASHER	5	6	0	0	6	0	0	5	817425*

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

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

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

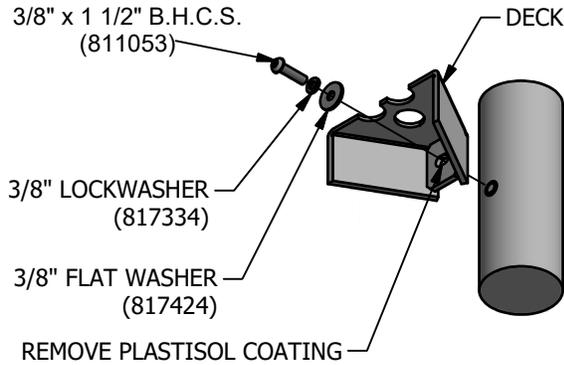
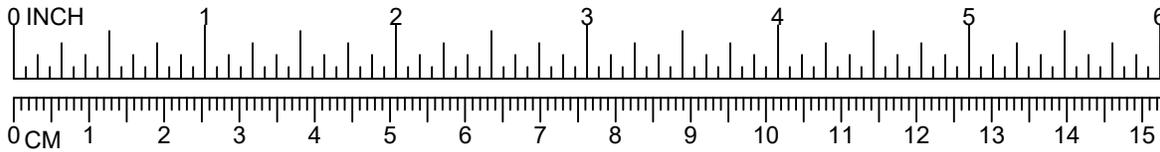
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

IMPORTANT

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

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

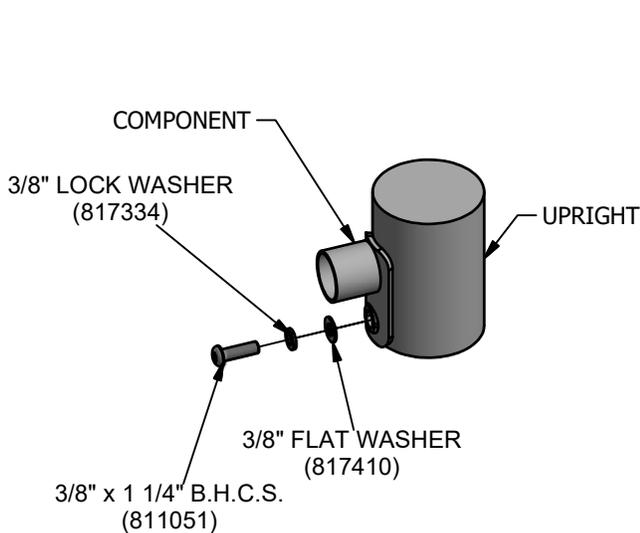
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



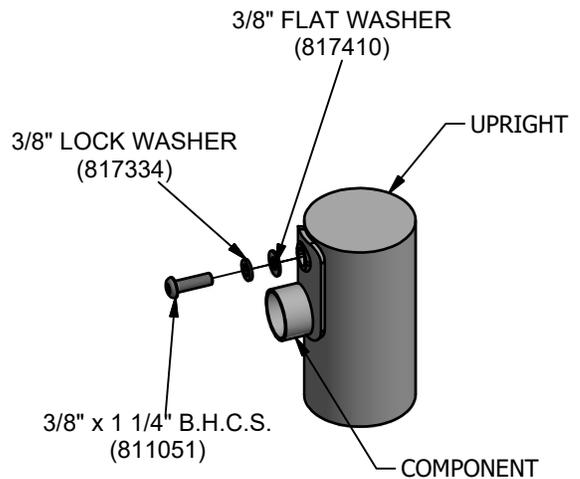
NOTE:
BOLTS SHOULD BE TORQUED TO 20-25 FT. LBS. FOR PROPER INSTALLATION.

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

001



003



004

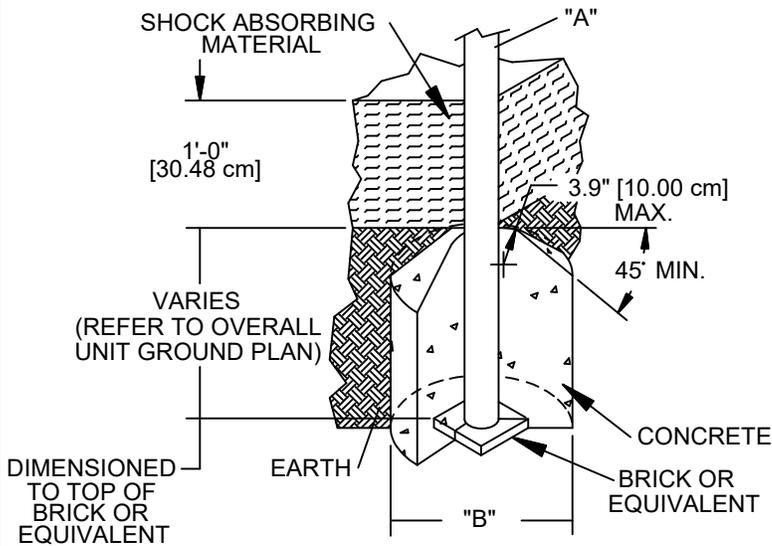
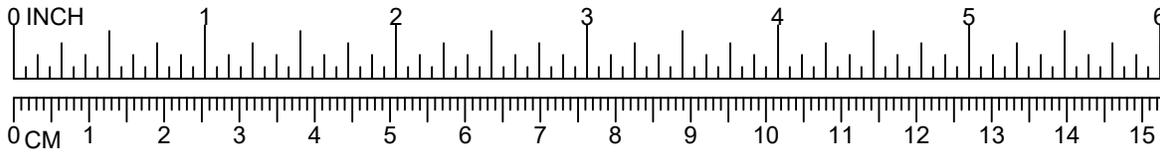
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

IMPORTANT

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

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

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



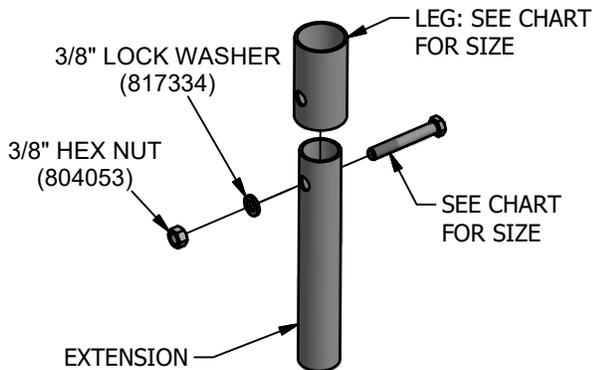
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
ARCH SWING	
5" [12.70 cm]	2'-0" [60.96 cm]

NOTES:

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

005

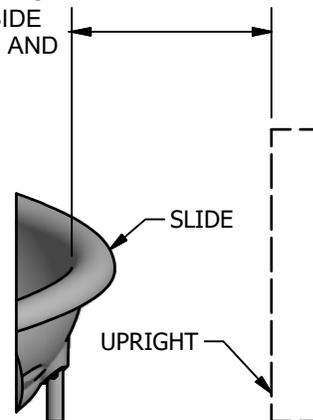
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



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

064

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



909

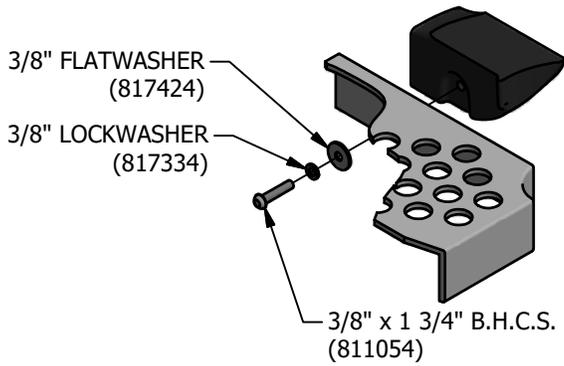
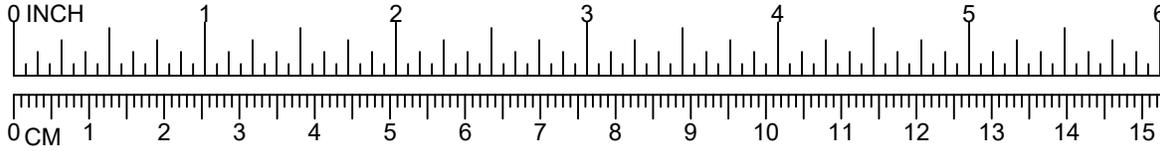
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

IMPORTANT

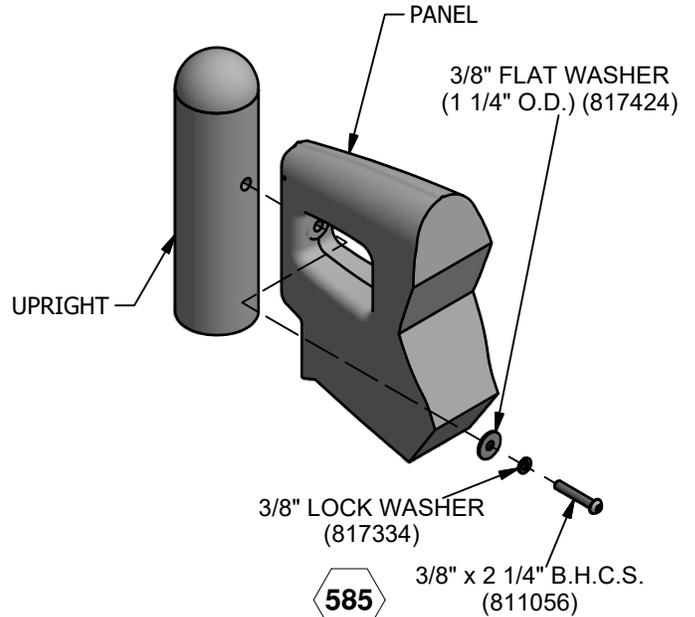
TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END
PROTRUDING MORE THAN TWO FULL THREADS BEYOND THE FACE OF THE NUT SHALL BE CUT-OFF FLUSH, FILED
SMOOTH AND TREATED TO PREVENT CORROSION.

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

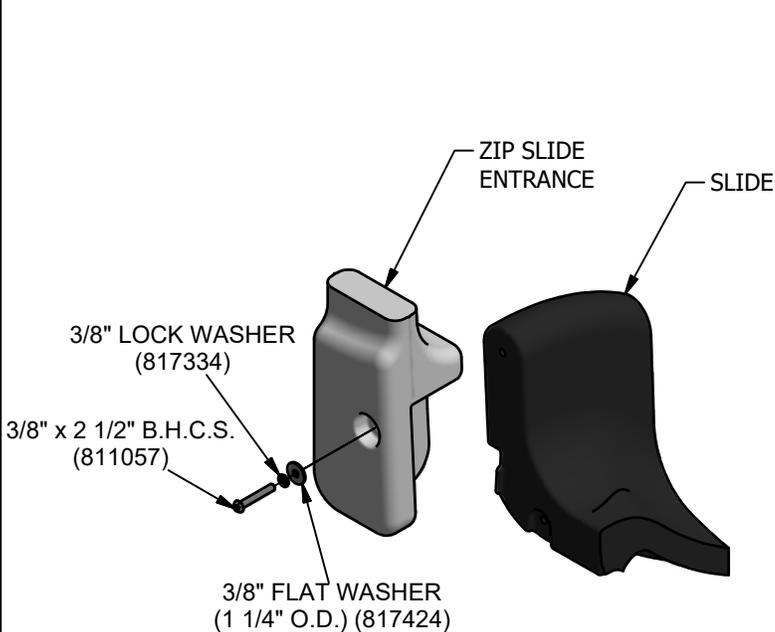
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



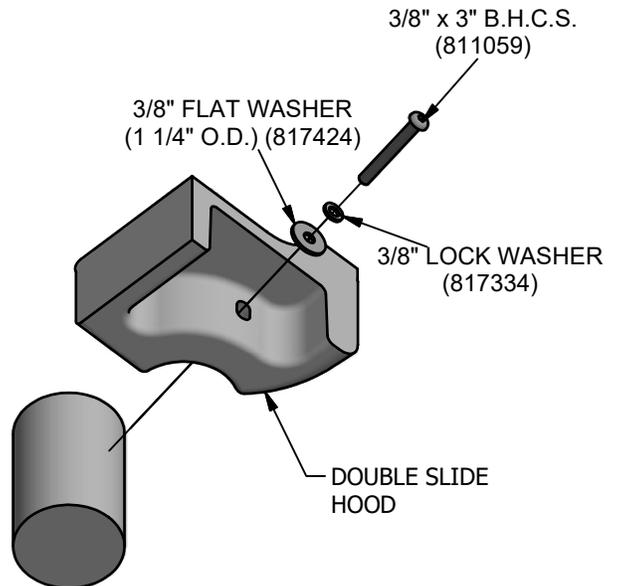
381



585



602



604

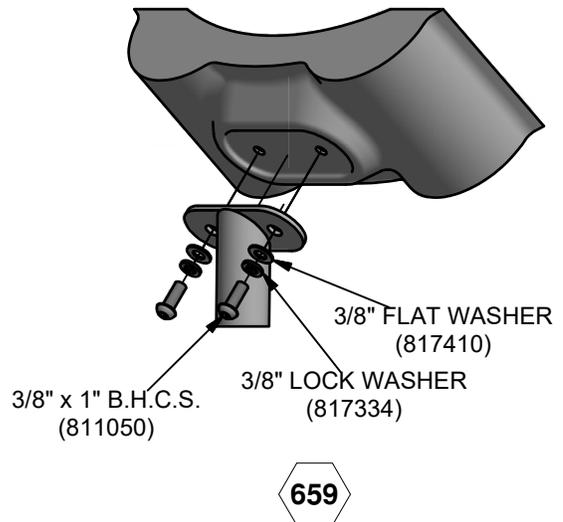
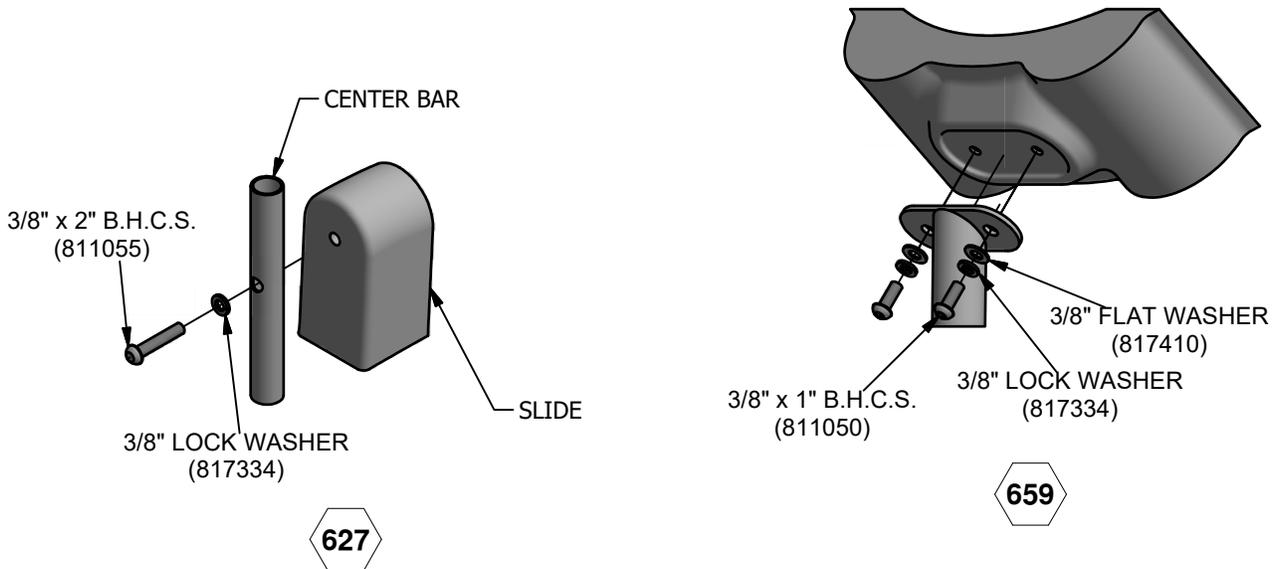
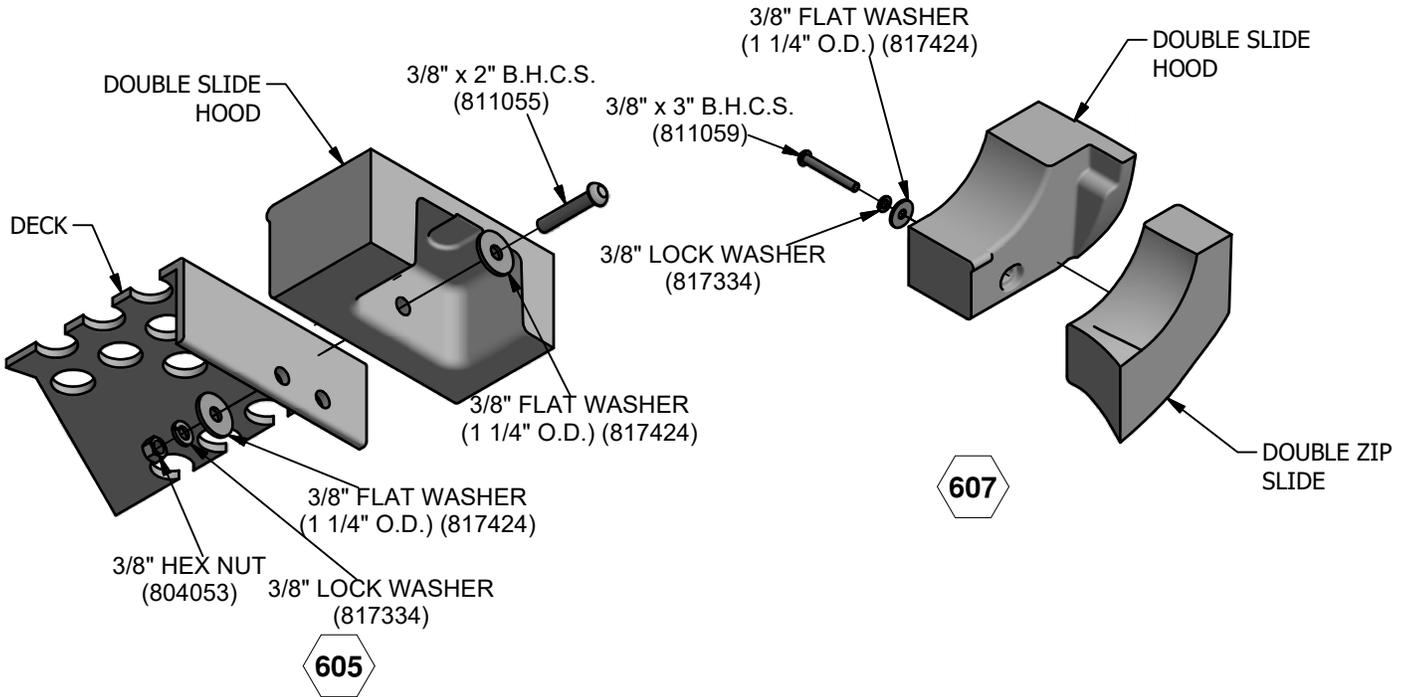
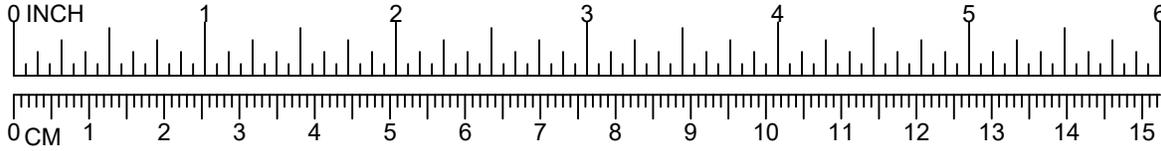
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

IMPORTANT

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

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



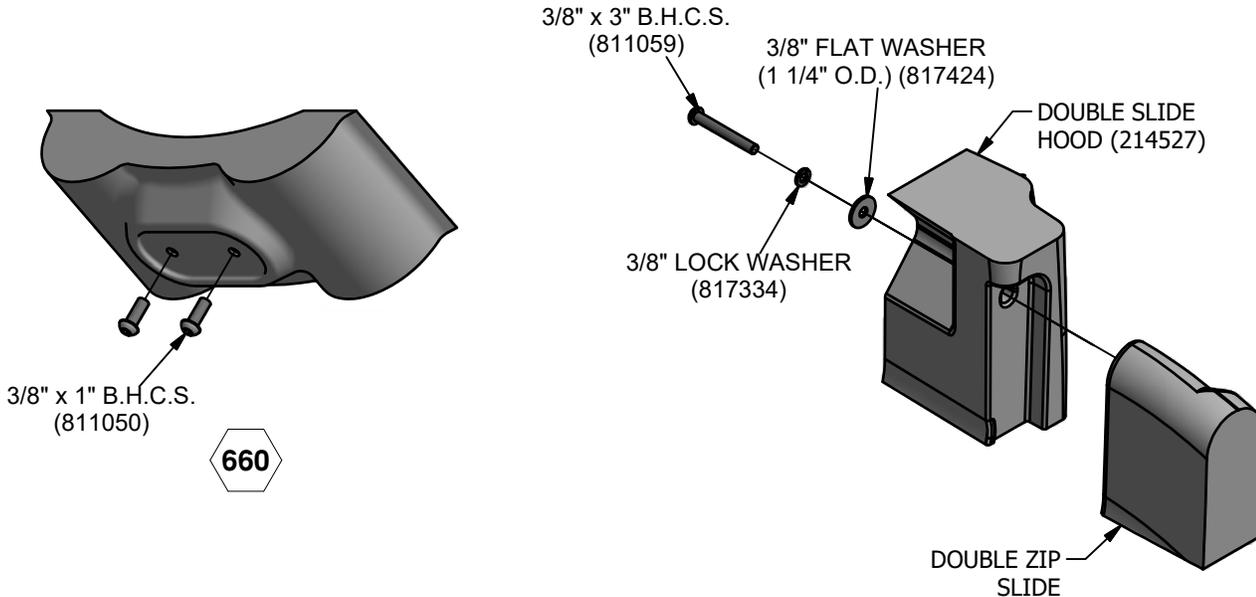
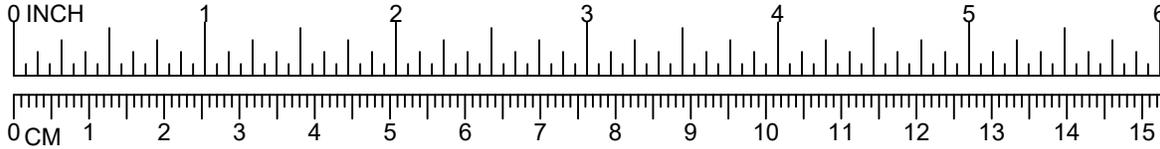
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

IMPORTANT

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

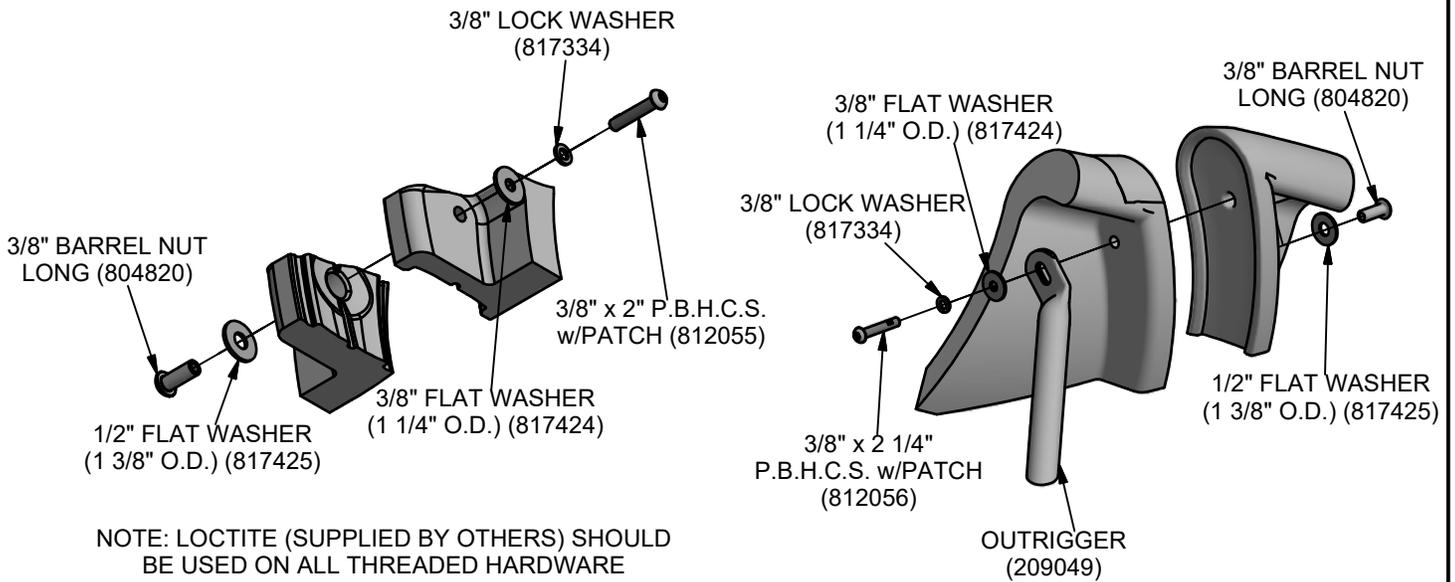


660

DOUBLE SLIDE HOOD (214527)

DOUBLE ZIP SLIDE

735



787

840

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

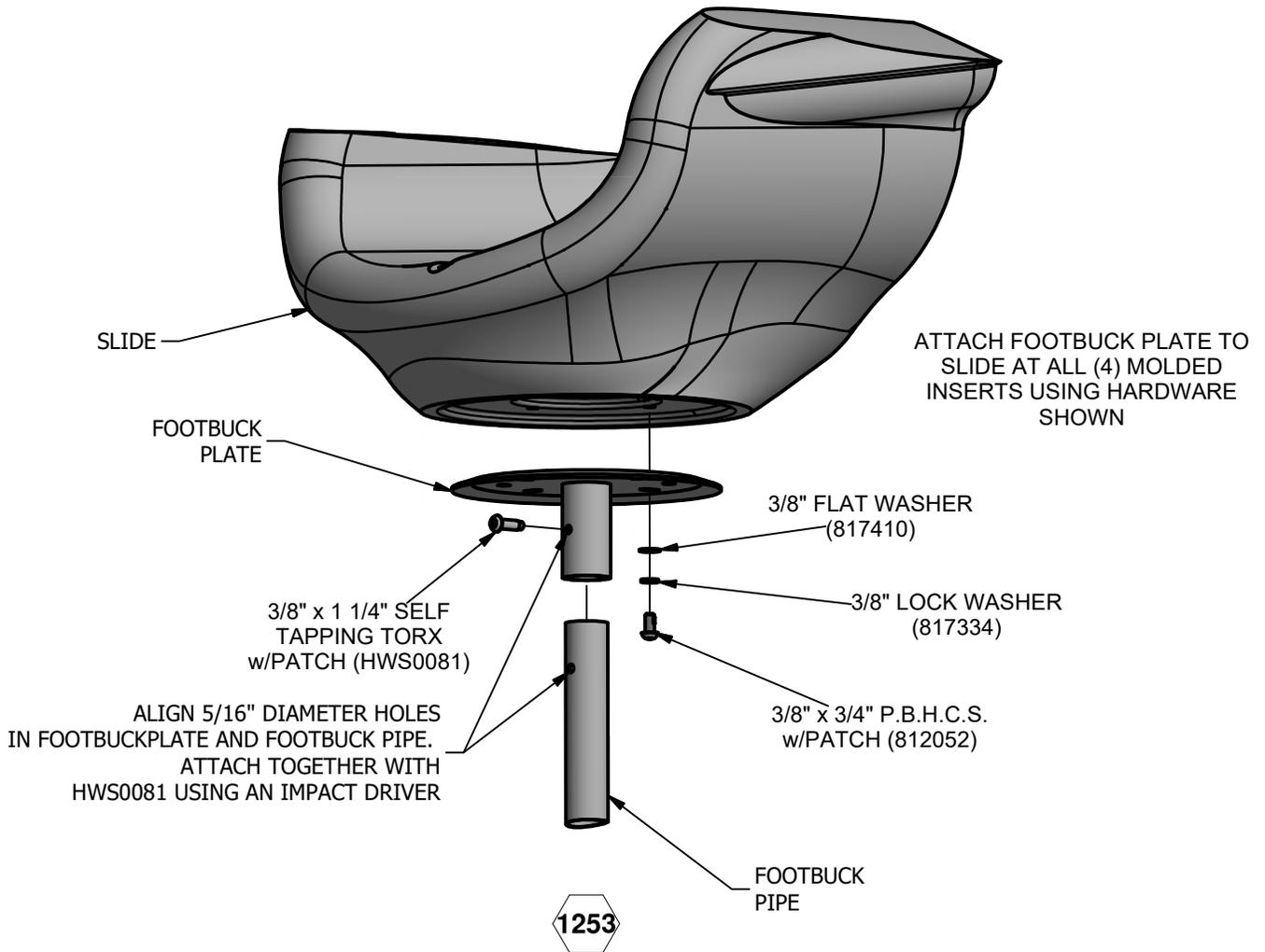
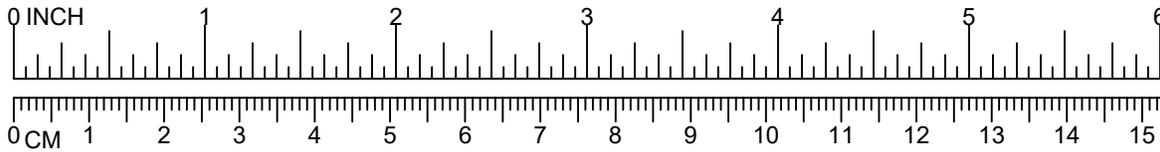
DETAILS -for- 19382 THRU 19392, 19403, 19412, 19413, 19424 & 19464

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.



primetime®

19756

GameTime®

A PLAYCORE Company

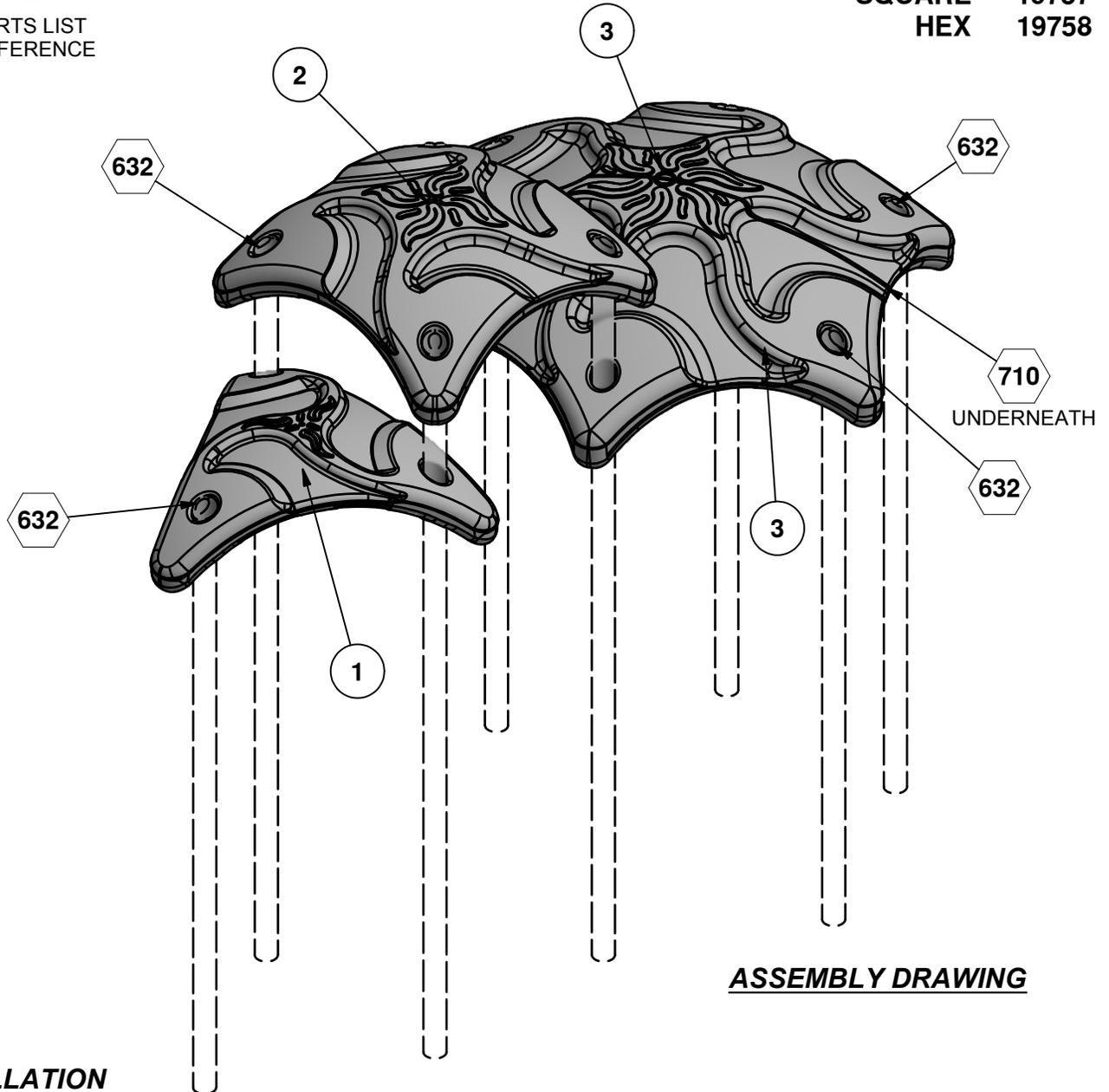
1-800-235-2440

ISSUED/REVISED: 2/15/2018

UMBRA ROOFS

⬡ = INSTALLATION
DETAIL
○ = PARTS LIST
REFERENCE

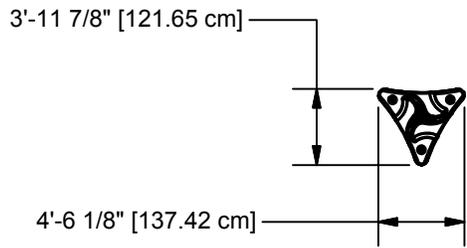
TRIANGLE	19756
SQUARE	19757
HEX	19758



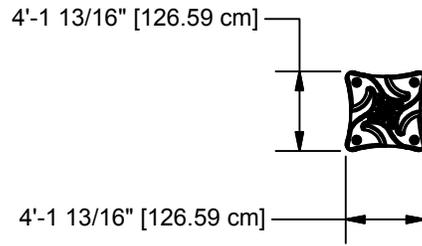
ASSEMBLY DRAWING

INSTALLATION INSTRUCTIONS

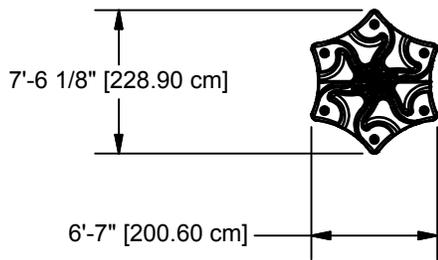
1. Before assembling this equipment, read the enclosed *INSTALLER INSTRUCTIONS* in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the *ASSEMBLY DRAWING*. Refer to the assembly details for the specific hardware required in each connection.



19756



19757



19758

TOP VIEWS

Parts List					
REF.	DESCRIPTION	19756	19757	19758	PART NUMBER
1	UMBRA TRIANGLE	1	0	0	212988
2	UMBRA SQUARE	0	1	0	212989
3	UMBRA HALF HEX	0	0	2	212990
	HARDWARE COMPLETE	1	0	0	213303
	HARDWARE COMPLETE	0	1	0	213304
	HARDWARE COMPLETE	0	0	1	213305
	3/8" x 2 3/4" P.B.C.H.S. w/PATCH	0	0	6	812058*
	3/8" x 4 1/2" P.B.H.C.S. w/PATCH	3	4	6	812077*
	3/8" FLAT WASHER	3	4	6	817410*
	3/8" FLAT WASHER (1 1/4" O.D.)	0	0	6	817424*
	3/8" LOCK WASHER	3	4	12	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.

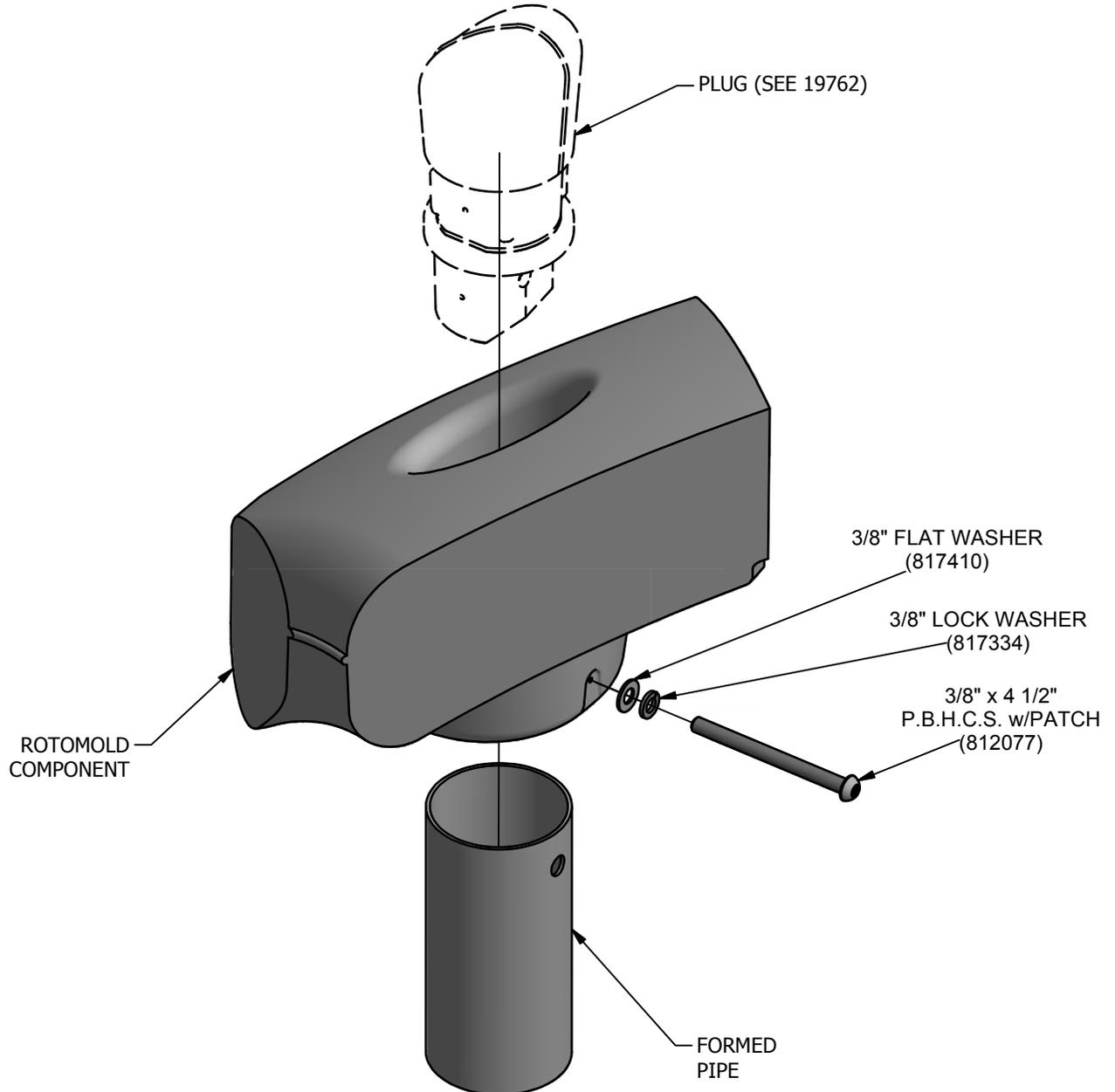
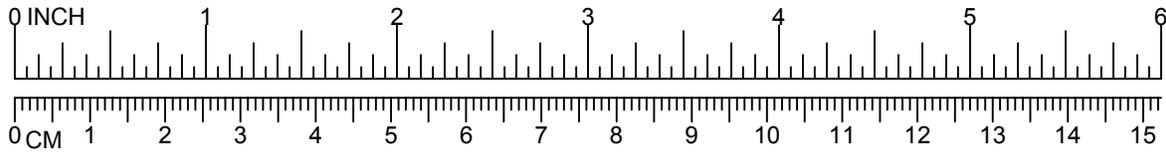
DETAILS -for- 19756, 19757 & 19758

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.



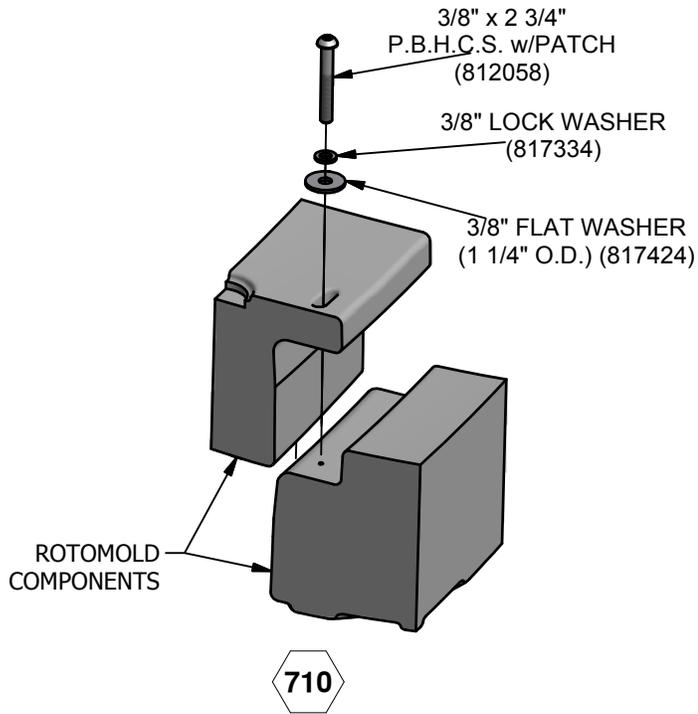
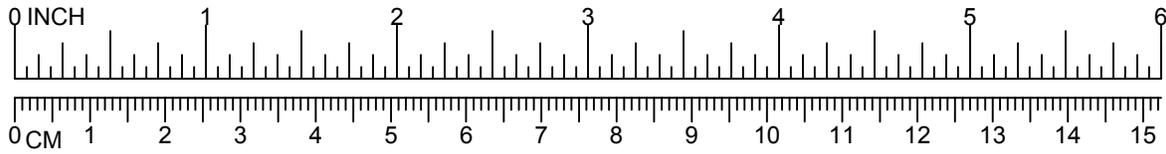
DETAILS -for- 19756, 19757 & 19758

IMPORTANT

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



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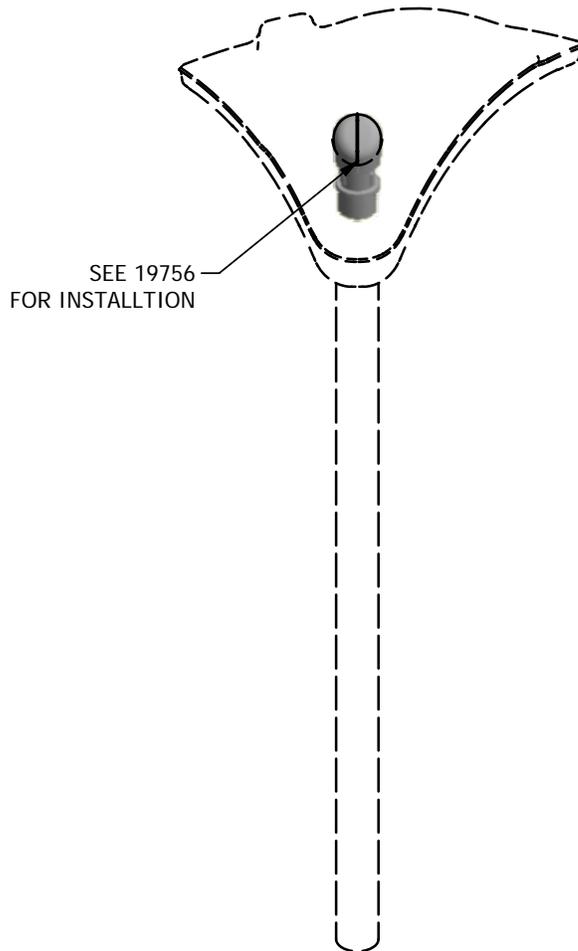
1-800-235-2440

ISSUED/REVISED: 9/27/2017

19762

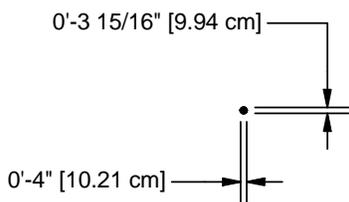
UMBRA PLUG

-  = 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.



TOP VIEW

ASSEMBLY DRAWING

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	UMBRA PLUG	1	212991

*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.***

primetime®

19792

GameTime®

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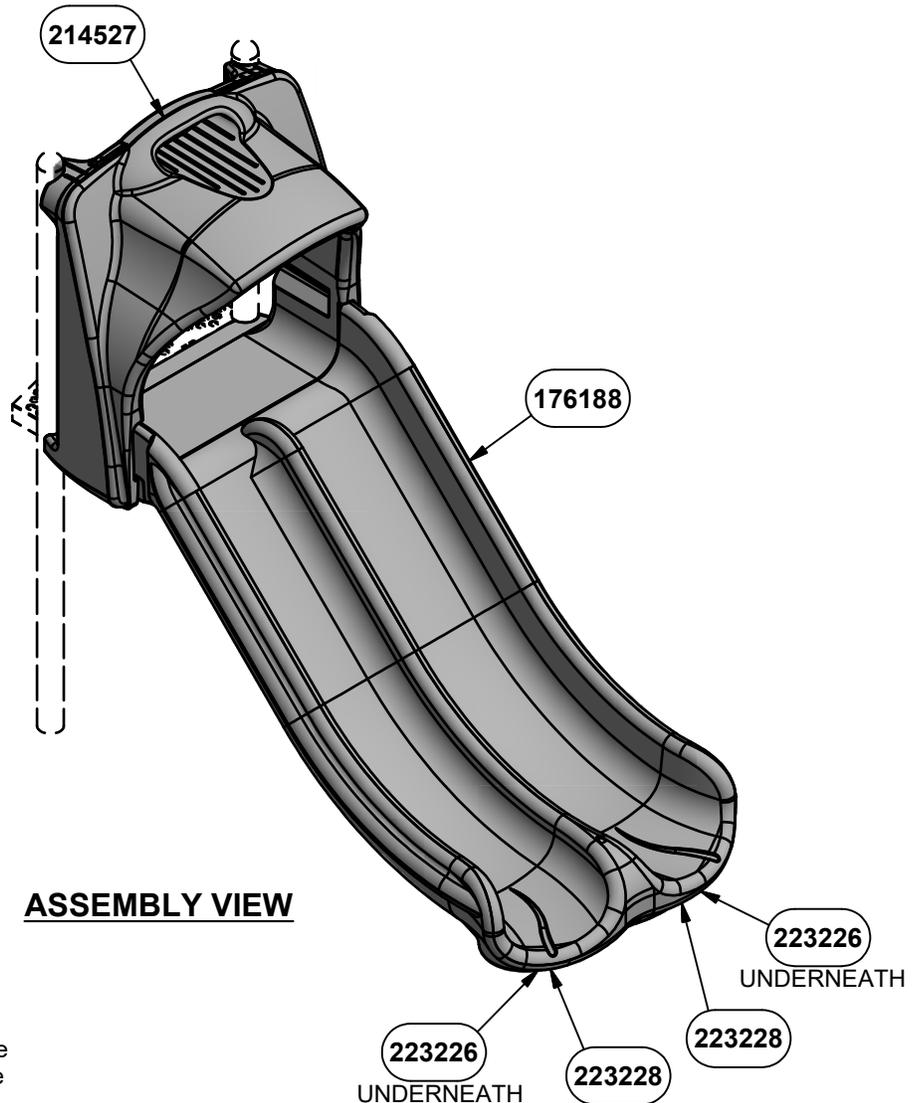
1-800-235-2440

ISSUED/REVISED: 3/14/2024

DOUBLE ZIP SLIDE

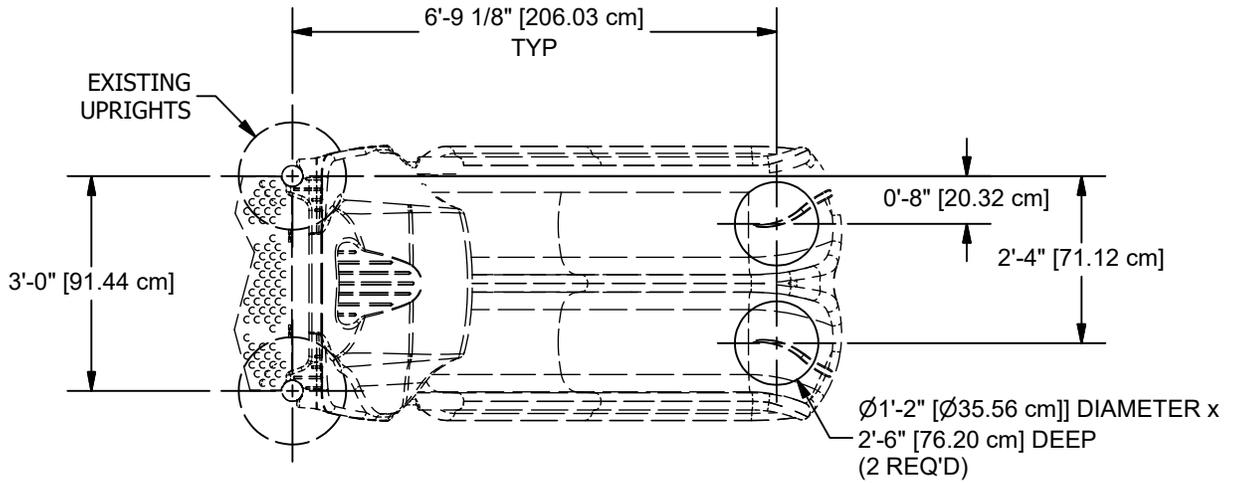


4'-0" 19792



INSTALLATION INSTRUCTIONS

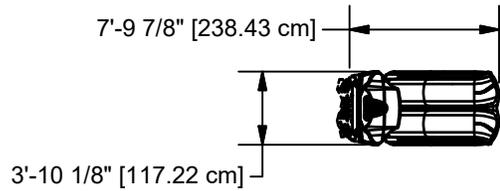
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2. Assemble parts as shown in the ASSEMBLY DRAWING. Refer to the assembly details for the specific hardware required in each connection.
3. **LOCTITE (SUPPLIED BY OTHERS) SHOULD BE USED ON ALL THREADED HARDWARE.**
4. **DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.**



PLAN VIEW

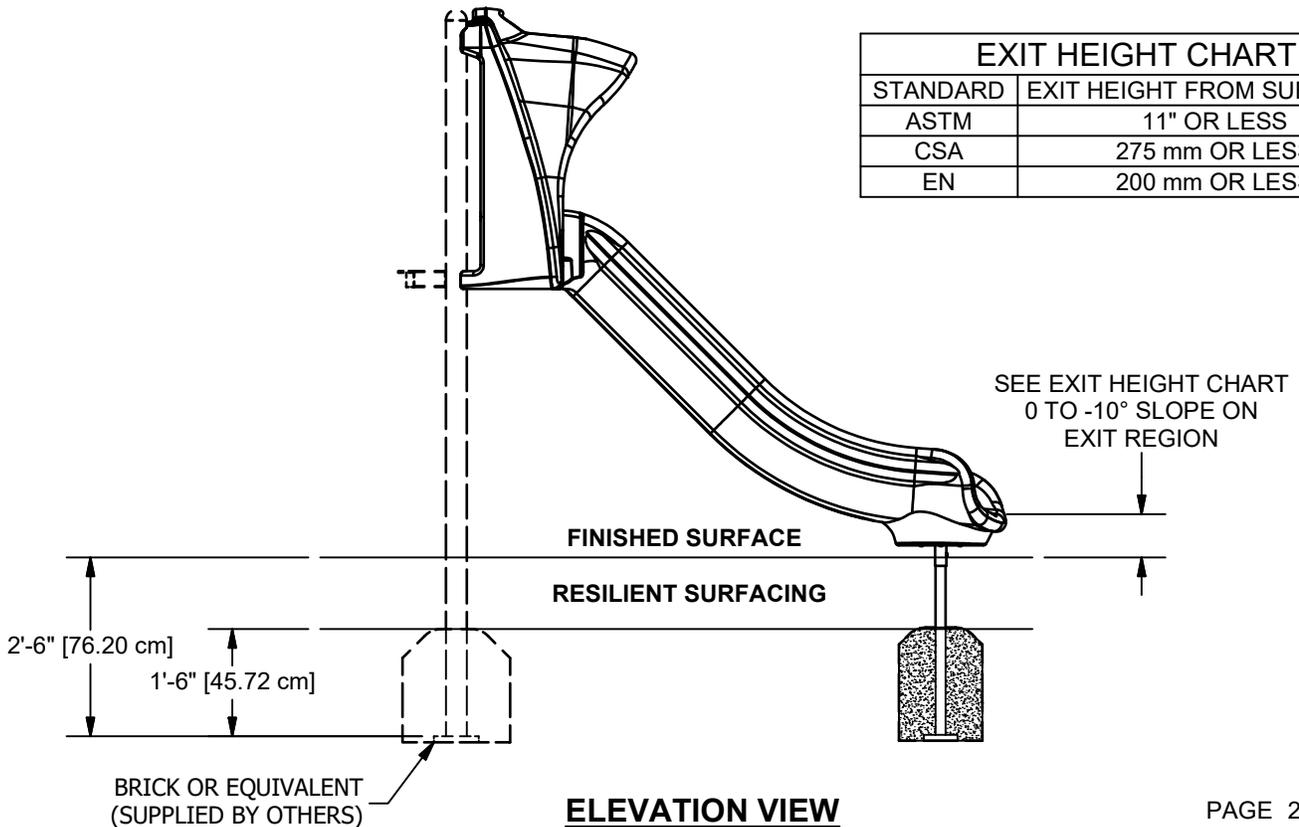
CONCRETE REQUIRED:
 0.12 CUBIC YARDS
 [0.10 CUBIC METERS]

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

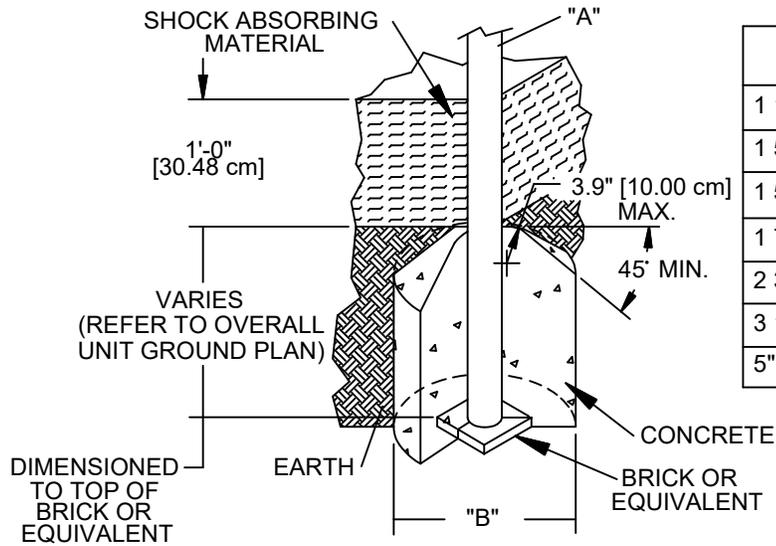


TOP VIEW

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



ELEVATION VIEW

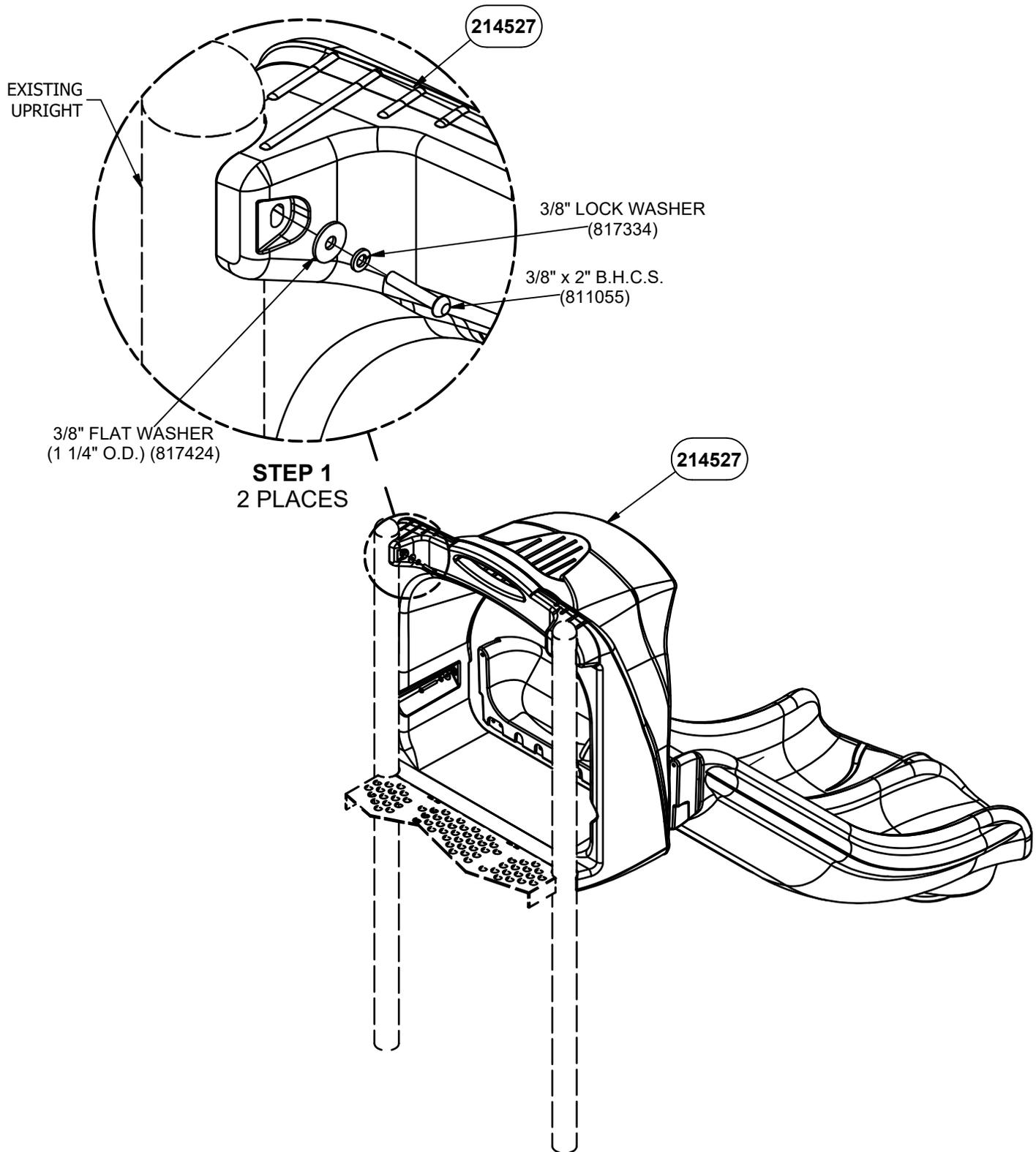
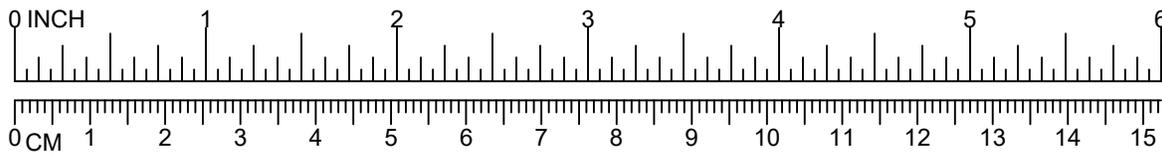


DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
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 -SUGGESTED MINIMUM CONCRETE RATING: 3000 PSI

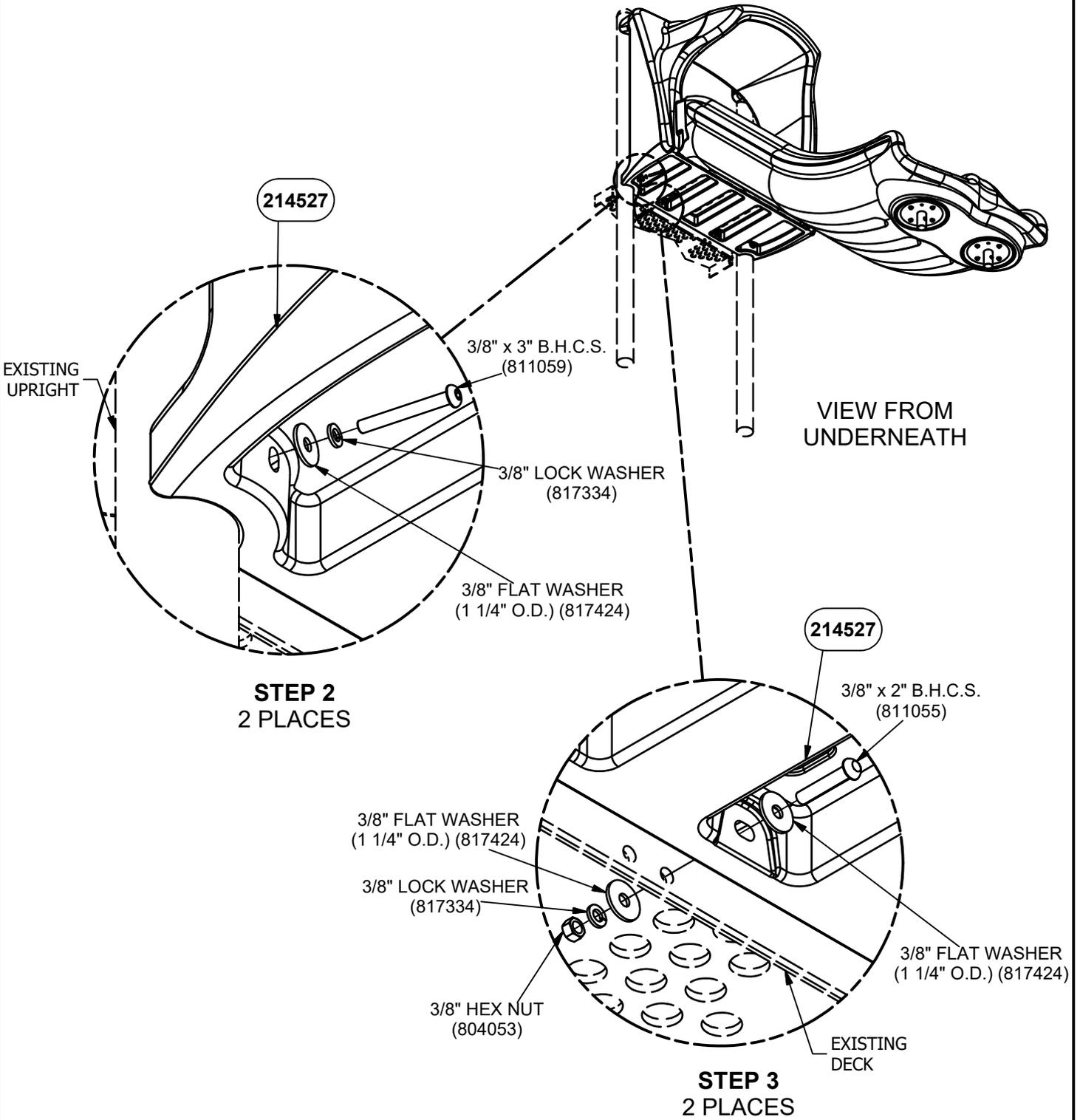
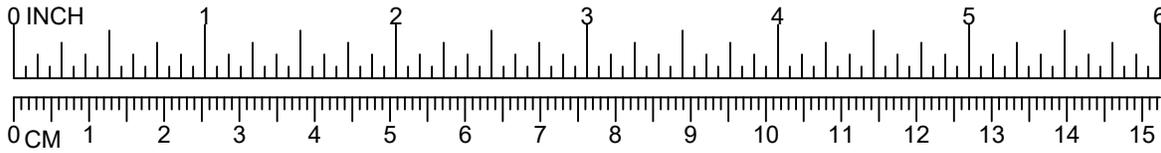
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FOOTING DETAIL



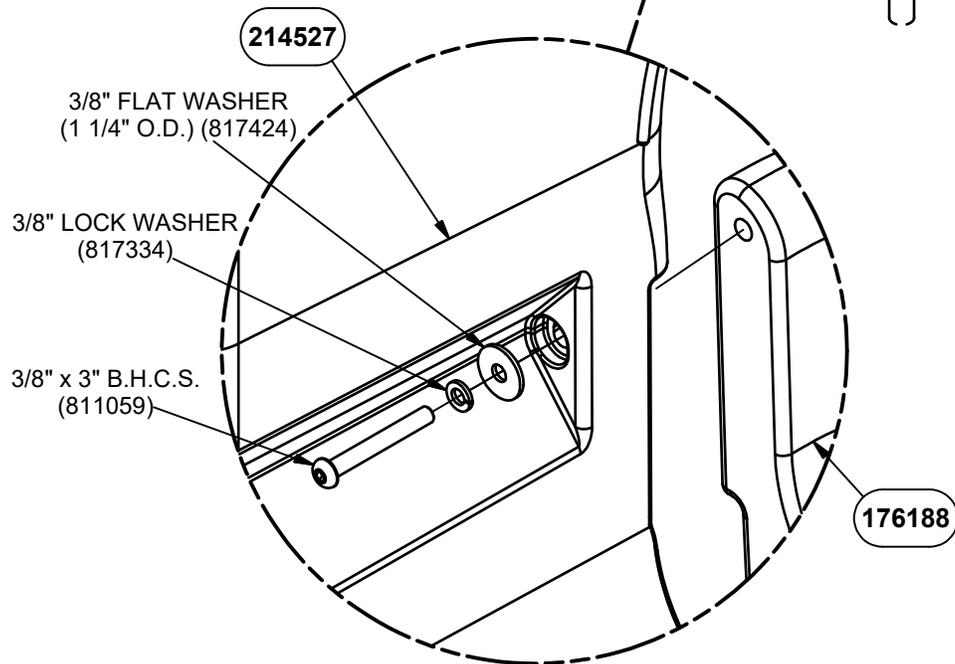
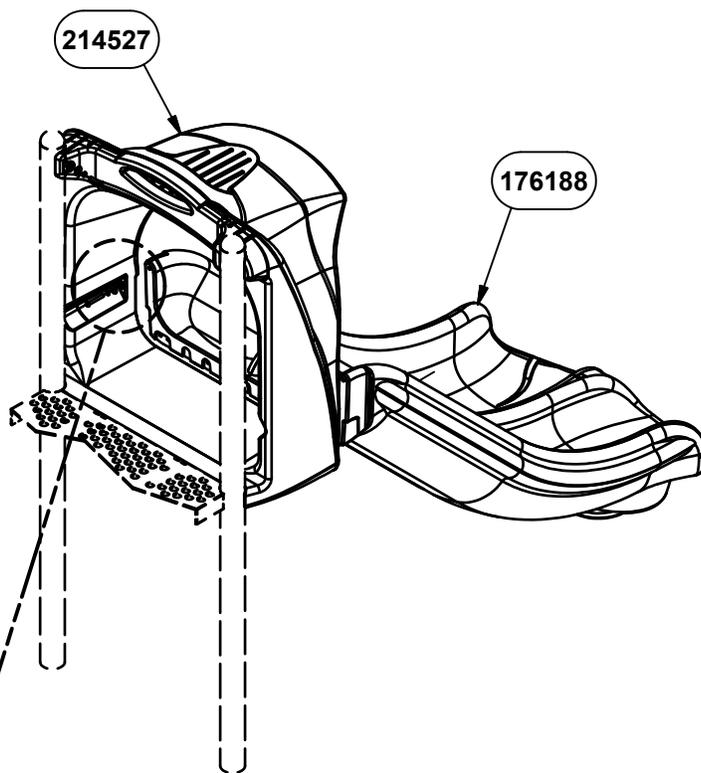
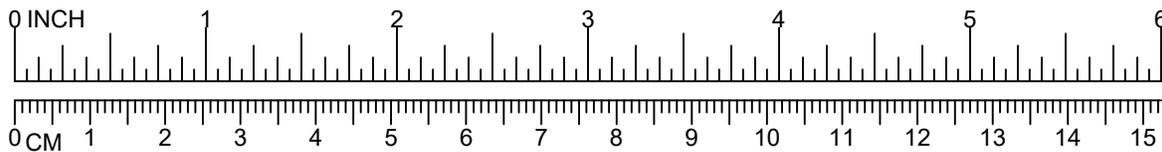
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



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

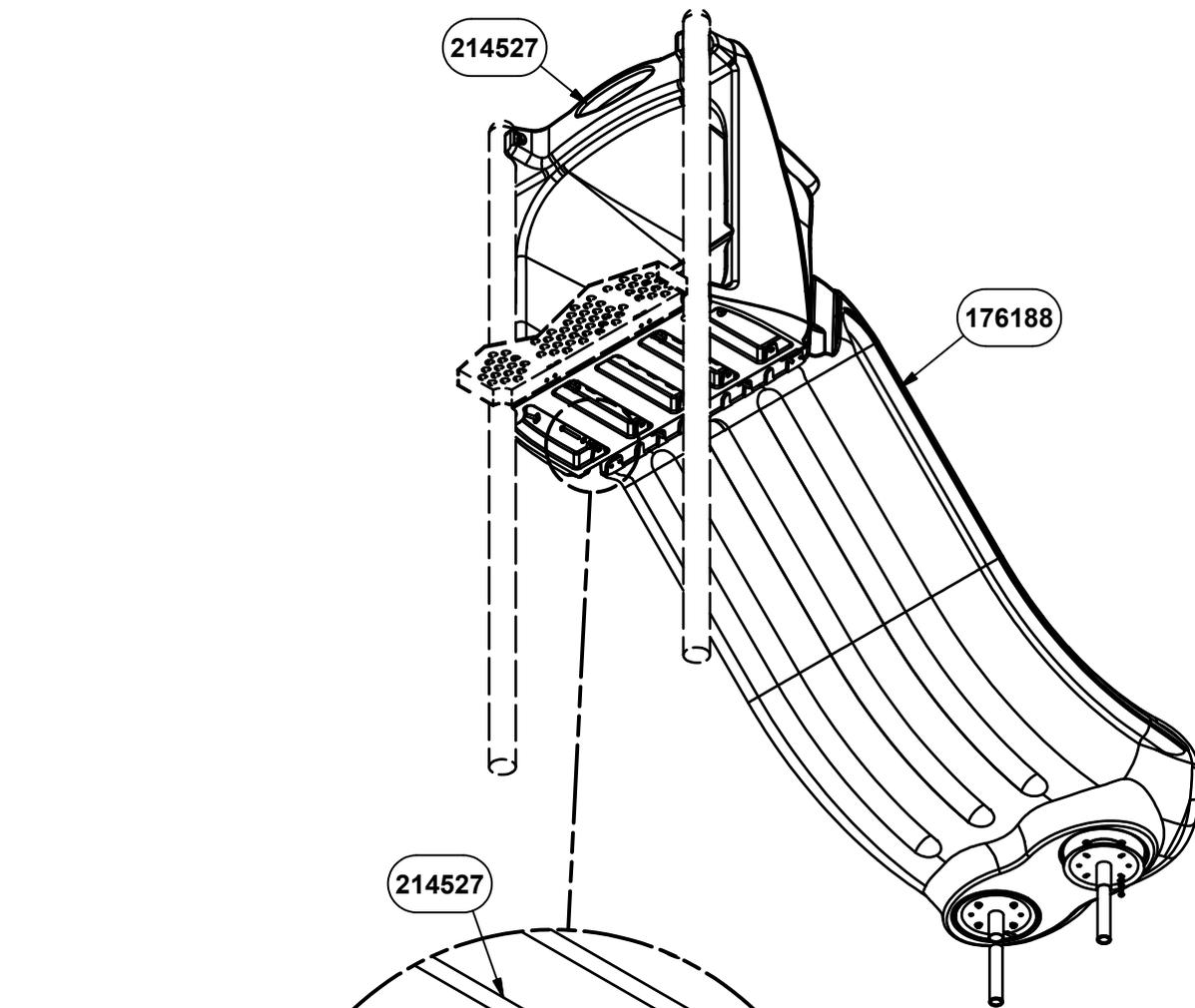
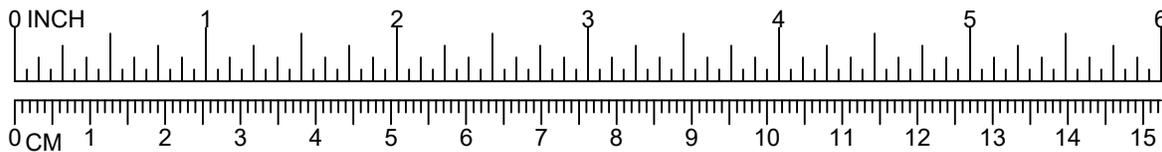
DETAIL VIEW



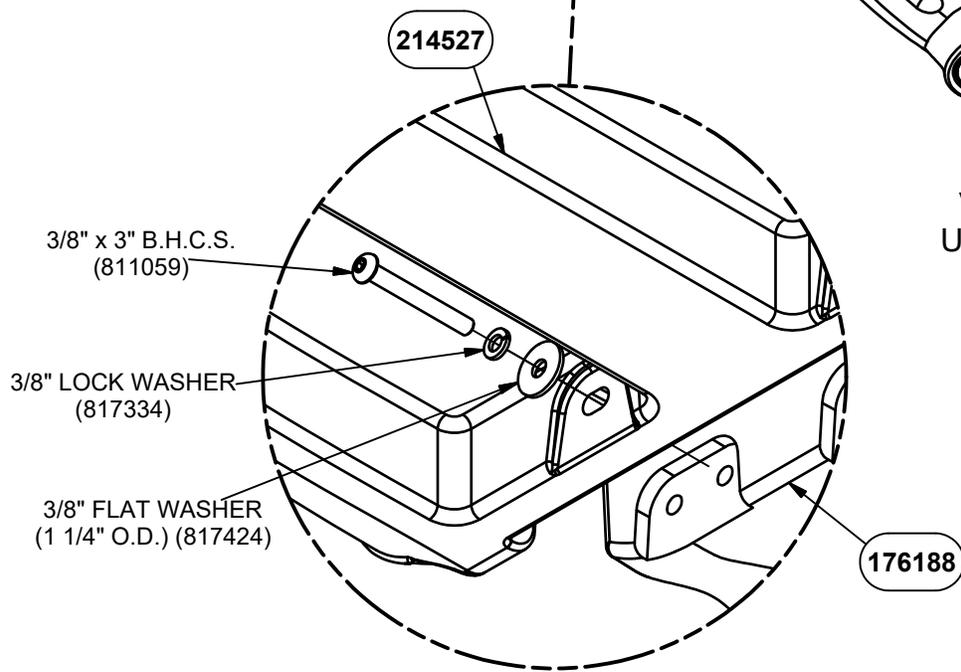
STEP 4
2 PLACES

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

DETAIL VIEW



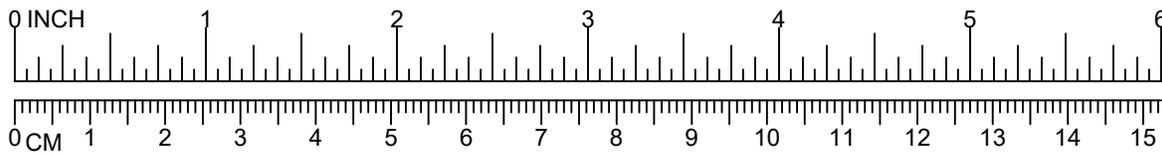
VIEW FROM UNDERNEATH



STEP 5
5 PLACES

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

DETAIL VIEW



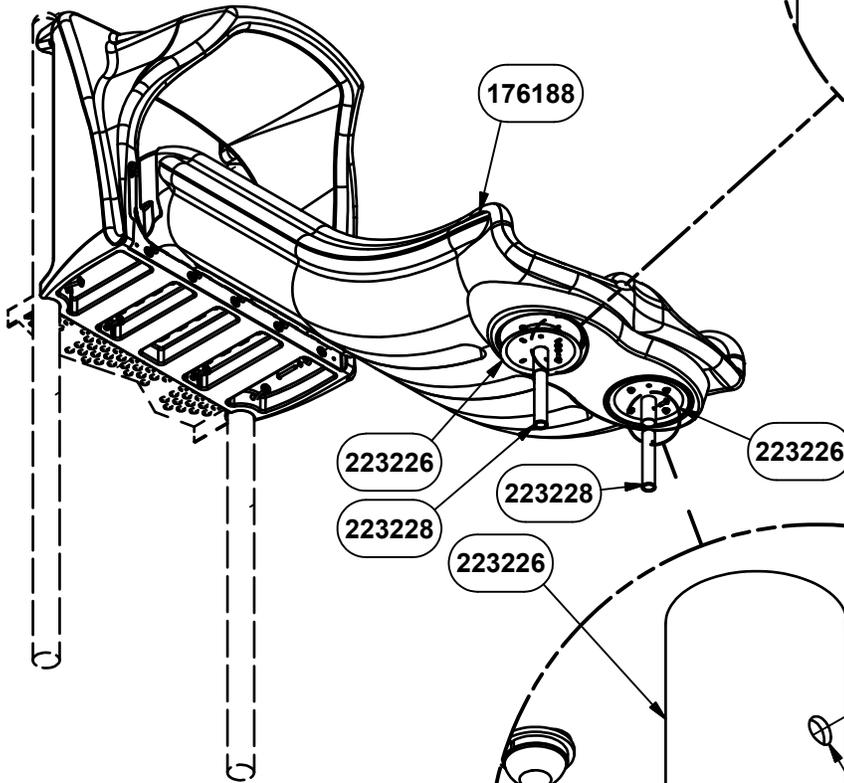
ATTACH FOOTBUCK
 PLATE TO SLIDE AT ALL
 (4) MOLDED-IN INSERTS
 USING HARDWARE SHOWN

3/8" FLAT WASHER
 (817410)

3/8" LOCK WASHER
 (817334)

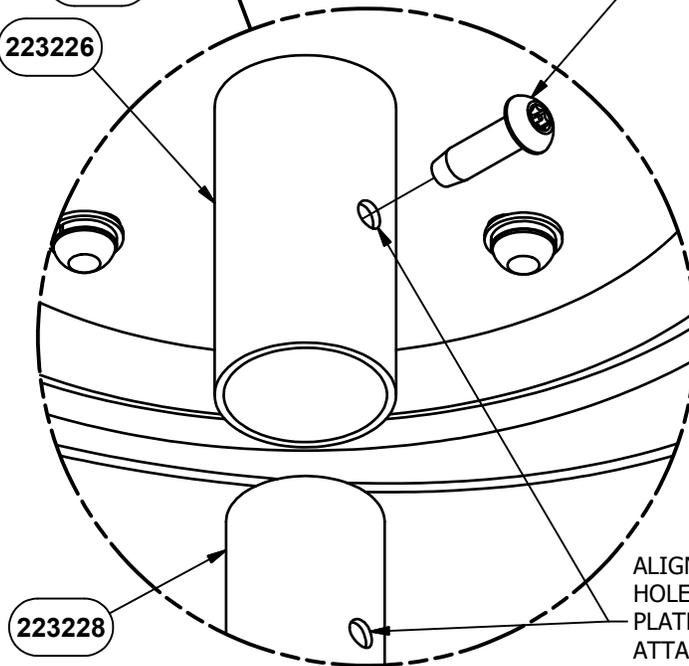
STEP 6
 8 PLACES

3/8" x 3/4" B.H.C.S.
 (811052)



VIEW FROM
 UNDERNEATH

3/8" x 1 1/4" SELF
 TAPPING TORX
 w/PATCH (HWS0081)



ALIGN 5/16" DIAMETER
 HOLES IN FOOTBUCK
 PLATE AND PIPE AND
 ATTACH WITH HWS0081
 USING IMPACT DRIVER

STEP 7
 2 PLACES

Parts List		
DESCRIPTION	QTY	PART NUMBER
4' DOUBLE SLIDE	1	176188
DOUBLE SLIDE HOOD	1	214527
FOOTBUCK PLATE	2	223226
FOOTBUCK PIPE, 32"	2	223228
HARDWARE COMPLETE	1	224110
3/8" x 3/4" B.H.C.S.	8	811052*
3/8" x 1 1/4" SELF TAPPING TORX w/PATCH	2	HWS0081*
3/8" x 2" B.H.C.S.	4	811055*
3/8" x 3" B.H.C.S.	9	811059*
3/8" FLAT WASHER (1 1/4" O.D.)	15	817424*
3/8" FLAT WASHER	8	817410*
3/8" LOCK WASHER	21	817334*
3/8" HEX NUT	2	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.

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

MAINTENANCE PROCEDURE:

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

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19947

GameTime[®]

A PLAYCORE Company

1-800-235-2440

TIC-TAC-TOE PANEL

ISSUED/REVISED: 9/19/2022



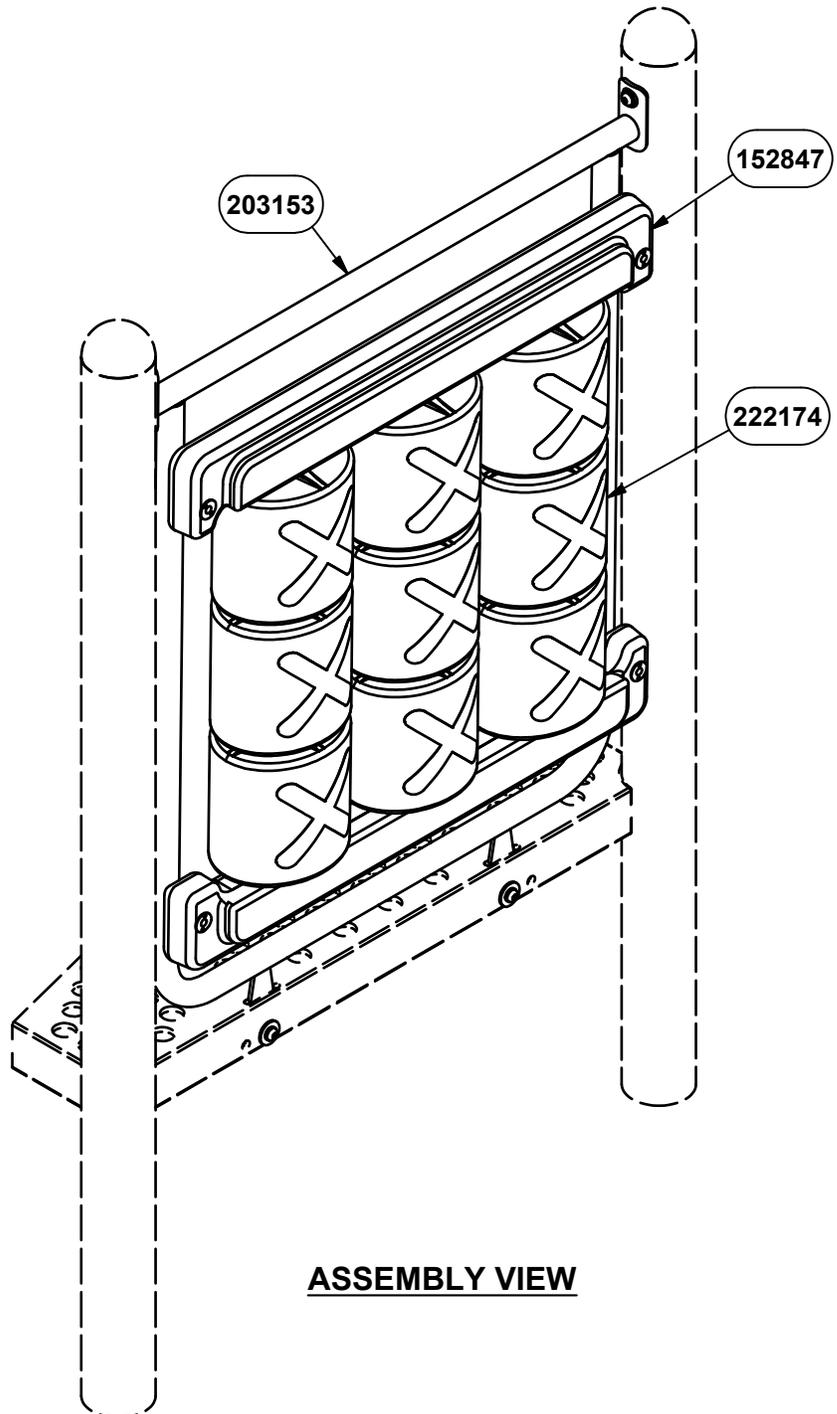
UP TO 5'-0"
DECK HEIGHTS



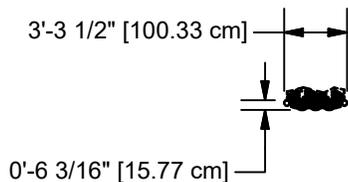
ALL
DECK HEIGHTS

INSTALLATION INSTRUCTIONS

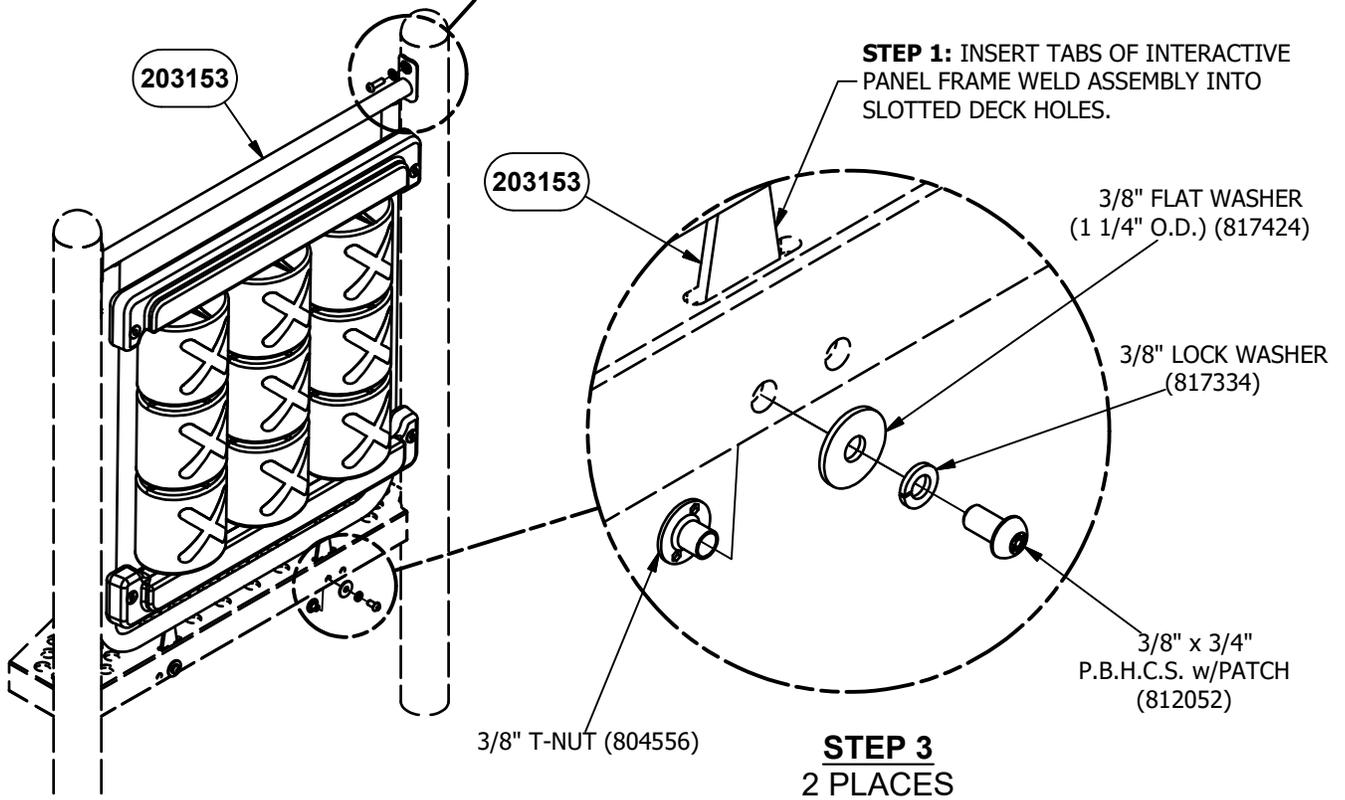
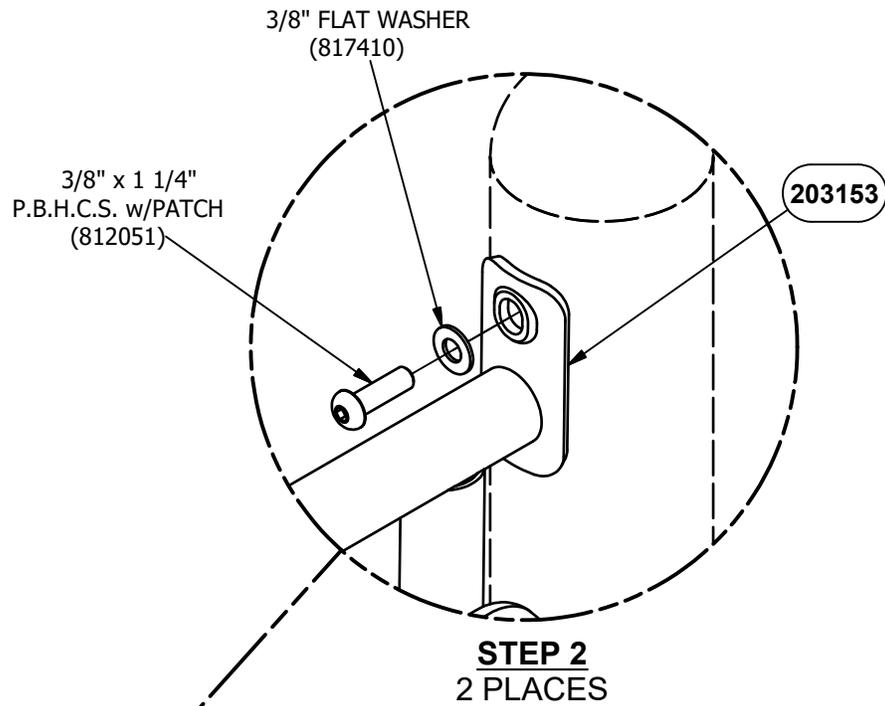
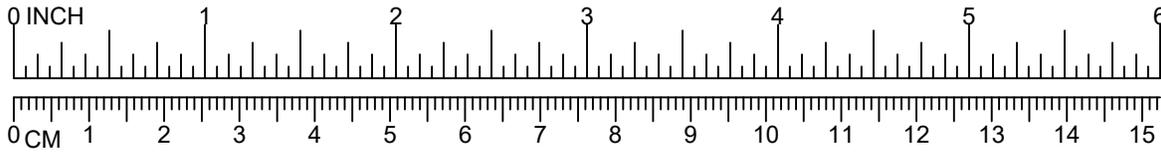
1. Before assembling this equipment, read the enclosed **INSTALLER INSTRUCTIONS** in the installation booklet; follow all the instructions during installation.
2. Assemble parts as shown in the **ASSEMBLY DRAWING**. Refer to the assembly details for the specific hardware required in each connection.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



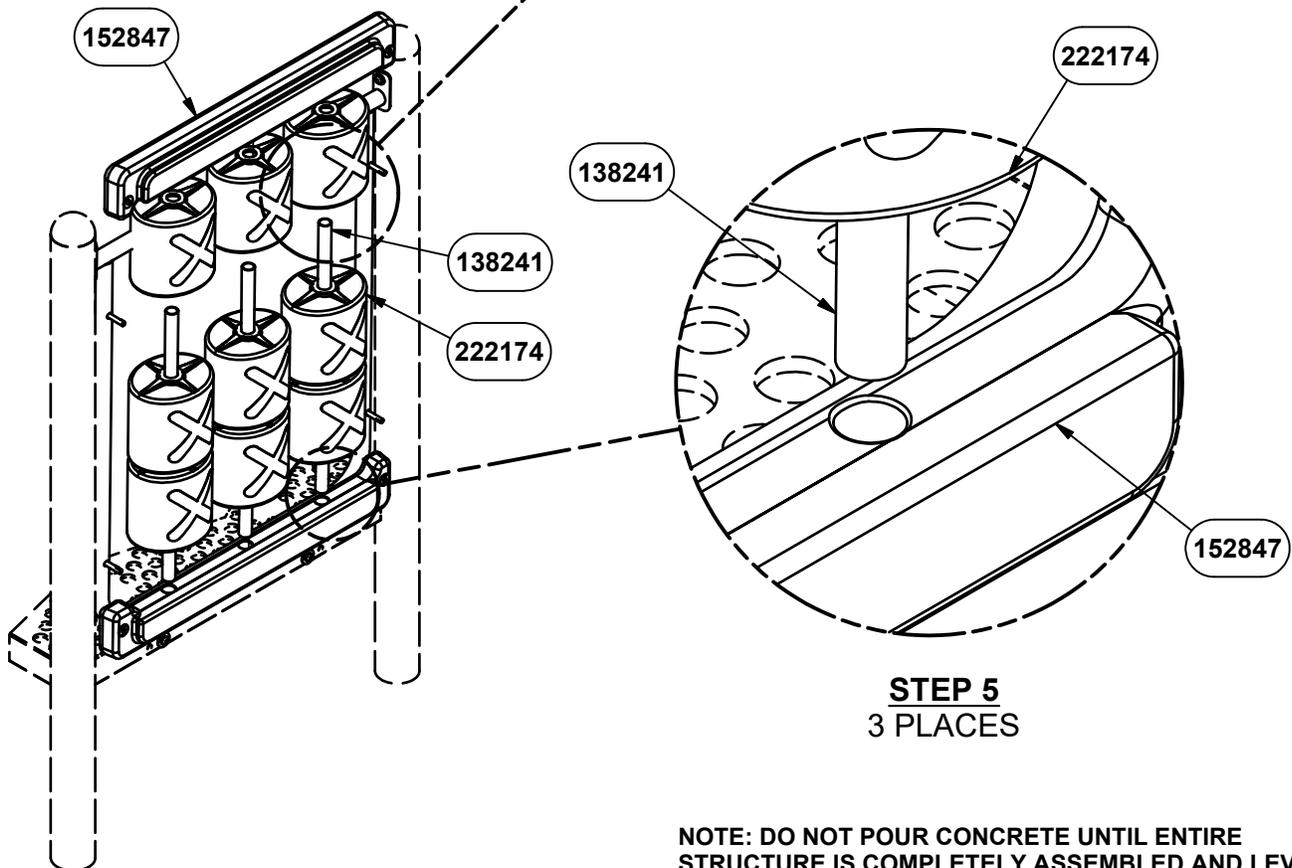
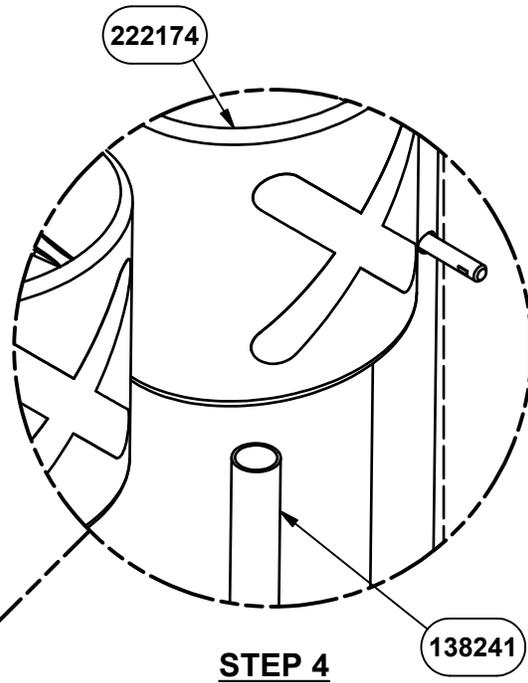
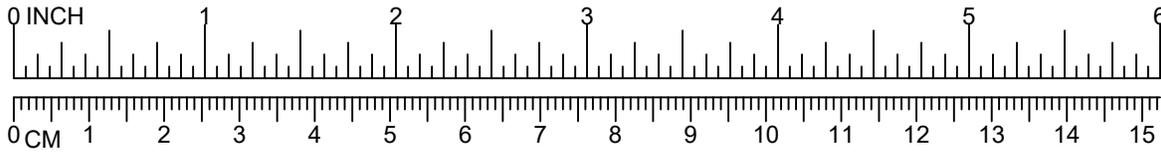
ASSEMBLY VIEW



TOP VIEW

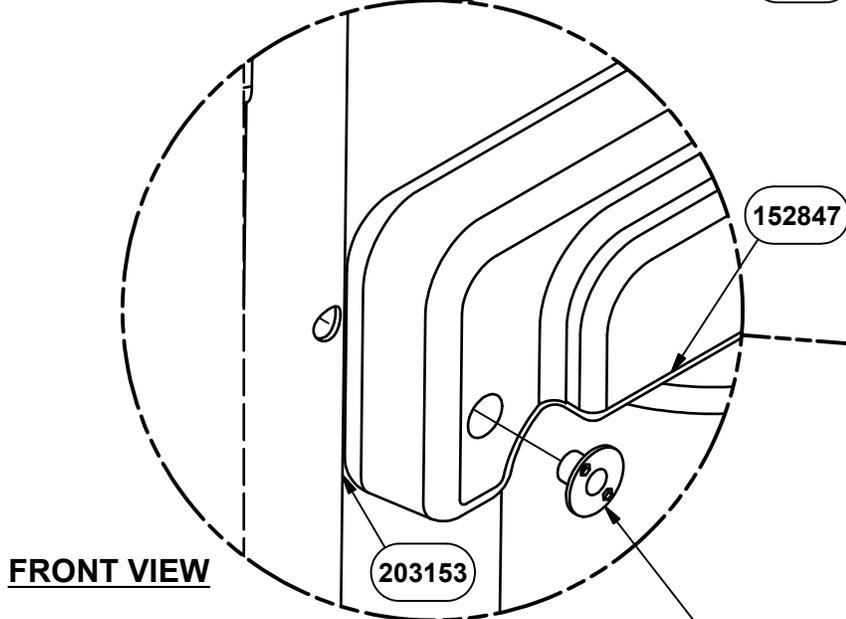
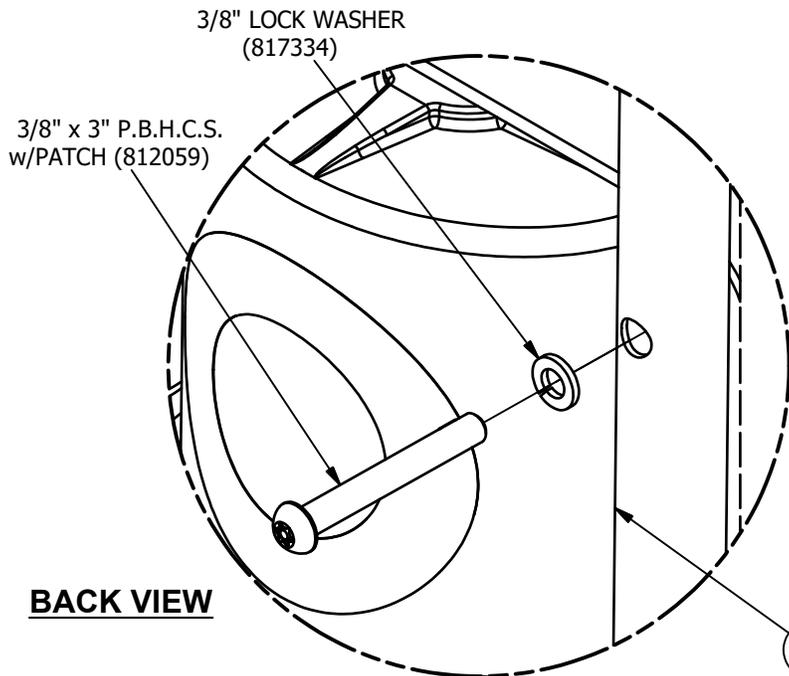
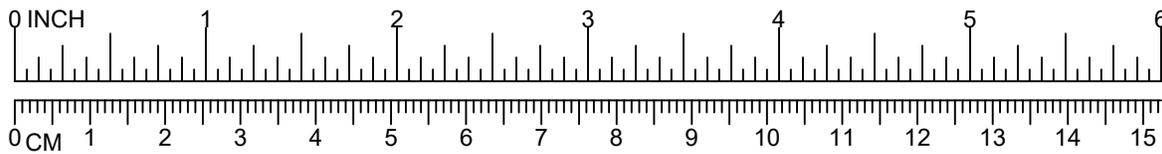


NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.



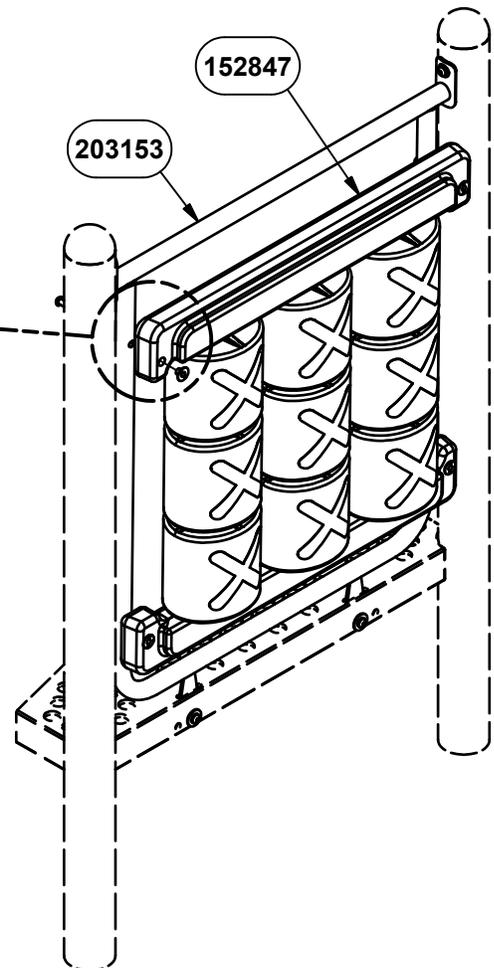
NOTE: DO NOT POUR CONCRETE UNTIL ENTIRE STRUCTURE IS COMPLETELY ASSEMBLED AND LEVEL.

DETAIL VIEW



STEP 6
4 PLACES

3/8" T-NUT (804556)



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

DETAIL VIEW

Parts List		
DESCRIPTION	QTY	PART NUMBER
TIC TAC TOE GAMEPIECE	1	222174
INTERACTIVE PANEL FRAME WELD ASSEMBLY	1	203153
PLASTIC MOUNTING CAP	2	152847
RUNG	3	138241
HARDWARE COMPLETE	1	222178
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 3" P.B.H.C.S. w/PATCH	4	812059*
3/8" FLAT WASHER	2	817410*
3/8" FLAT WASHER (1 1/4" O.D.)	2	817424*
3/8" LOCK WASHER	6	817334*
3/8" T-NUT	6	804556*

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

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

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

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

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

MAINTENANCE PROCEDURE:

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



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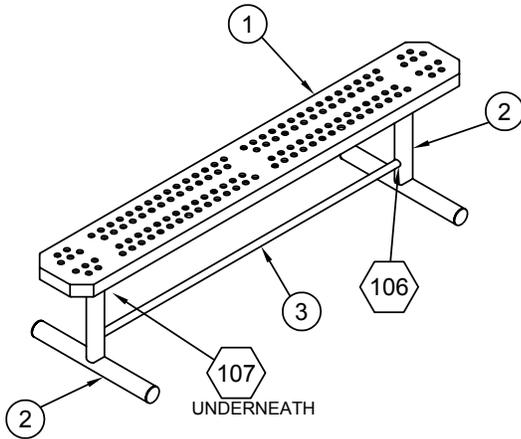
28002

PARK BENCH

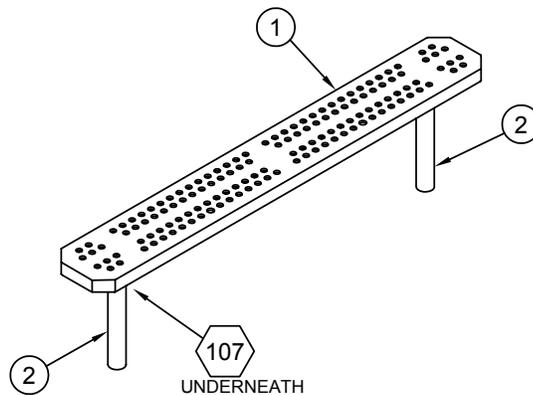
ISSUED/REVISED: 06/17/04

-  = INSTALLATION
DETAIL
-  = PARTS LIST
REFERENCE

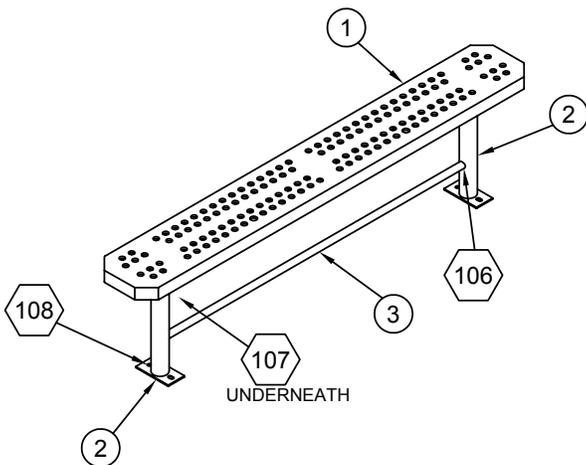
- 28002** 6' PORTABLE
- 28003** 6' IN-GROUND
- 28004** 6' SURFACE MOUNT
- 28005** 8' PORTABLE
- 28006** 8' IN-GROUND
- 28007** 8' SURFACE MOUNT



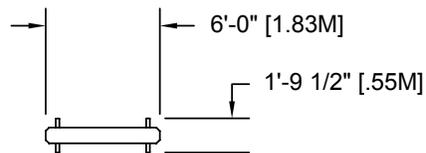
28002/28005
 28002 SHOWN



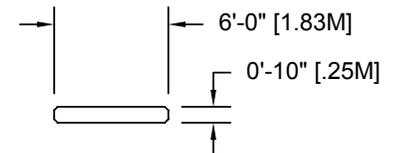
28003/28006
 28003 SHOWN



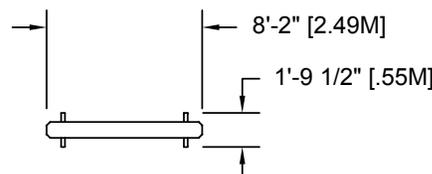
28004/28007
 28004 SHOWN



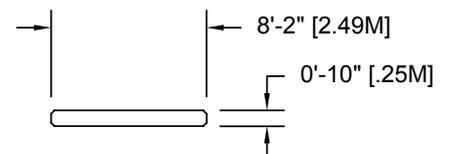
28002



28003/28004



28005



28006/28007

TOP VIEWS

SPECIFICATIONS

FRAME: The frames shall be fabricated of 2-3/8" O.D. galvanized pipe.

SEAT AND BACK: The seat shall be punched steel with a plastisol coating.

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

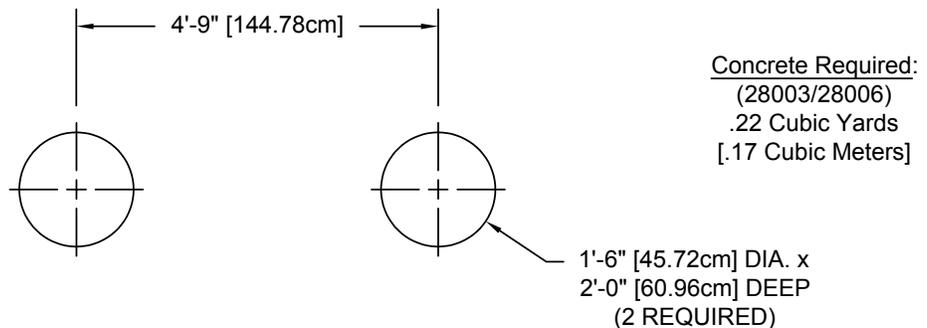
SPECIFICATIONS: GAMETIME® has a policy of continuous improvement and reserves the right to discontinue or change specifications without notice.



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



- ALWAYS FOLLOW INSTALLATION INSTRUCTIONS WHEN ERECTING EQUIPMENT.
- GAMETIME® PROVIDES ITS CUSTOMERS WITH COMPLETE SPECIFICATION SHEETS AND INSTALLATION INSTRUCTIONS. THE SPECIFICATION SHEET CONTAINS THE LISTING OF EVERY PART USED IN A PIECE OF EQUIPMENT AND SHOULD BE KEPT IN THE CUSTOMER'S FILES FOR ACCURATE REFERENCE WHEN REPLACEMENT PARTS ARE NEEDED.
- 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.
- Regular checking of all parts, castings, etc., should be made. If a part is broken or worn it should be replaced immediately.



GROUND PLAN

28003/28006

NOTE: Hole depths indicated on all ground plans are measured from the finished surface. See Detail 105. All footing dimensions are based on level finished surface.

INSTALLATION INSTRUCTIONS

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

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

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

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

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

STEP 1: Position the leg assemblies the correct distance apart.

STEP 2: Bolt the plastisol seat to leg assemblies, using Detail 107.

STEP 3: Bolt Horizontal Leg Brace to Leg Assembly using Leg Brace Assembly as in Detail 106. NOTE: Not required on in-ground model.

STEP 4: Make sure the frames are square. Tighten all nuts. Loctite (supplied by others) should be used on all threaded hardware.

STEP 5: Locate position of holes for legs using the assembled bench as a template.

IN-GROUND

STEP 6: Dig holes and place a brick or equivalent in the bottom of each to provide a solid foundation for the bench legs. See Detail 105.

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

STEP 7: Pour concrete to within 0'-4" [10.16 cm] of finished surface and fill the remainder with surfacing, and/or backfill. Allow concrete 48 hours minimum, to harden before using the park bench.

SURFACE MOUNT

STEP 8: Place assembled bench in desired location on a concrete slab or flooring. Mark the location of the holes using the mounting plates as templates. Move bench and drill 1/2" diameter holes 2" deep into concrete or flooring as marked. Reposition bench over holes and mount to the concrete as shown in Detail 108.

PARTS LIST

REF. NO.	DESCRIPTION	NUMBER REQUIRED						PART NUMBER
		28002	28003	28004	28005	28006	28007	
1	6' Punched Bench, Coated	1	1	1	0	0	0	160893
1	8' Punched Bench, Coated	0	0	0	1	1	1	160505
2	Leg Ass'y, Portable	2	0	0	2	0	0	160900
2	Leg Ass'y, In-Ground	0	2	0	0	2	0	160904
2	Leg Ass'y, Surface Mount	0	0	2	0	0	2	160902
3	Horizontal Support	1	0	1	0	0	0	157796
3	Horizontal Support	0	0	0	1	0	1	169450
	Hardware Complete	1	0	0	1	0	0	157847
	Hardware Complete	0	1	0	0	1	0	157848
	Hardware Complete	0	0	1	0	0	1	157849
	1/2" x 2-3/4" Wedge Anchor	0	0	4	0	0	4	800074*
	3/8" x 1-1/4" Hex Head Bolt	4	4	4	4	4	4	801004*
	3/8" x 2-3/4" Hex Head Bolt	2	0	2	2	0	2	801010*
	1/2" Lockwasher	0	0	4	0	0	4	817342*
	3/8" Flatwasher	8	8	8	8	8	8	817410*
	3/8" Lockwasher	6	6	6	6	6	6	817334*
	3/8" Hex Nut	4	4	4	4	4	4	804053*

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

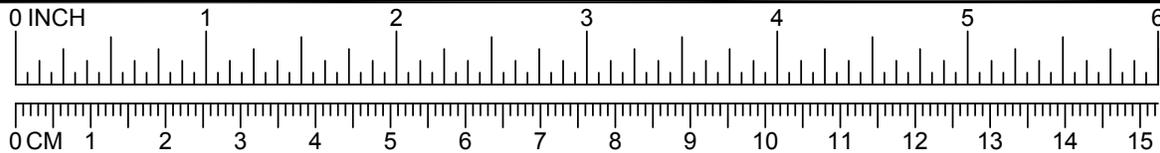
**Warning: During Installation, Hardware And Small Parts Are Choking Hazards
For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed.
Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment
And Dispose/Save Them In A Secure Location.**

DETAILS -for- 28002 thru 28007

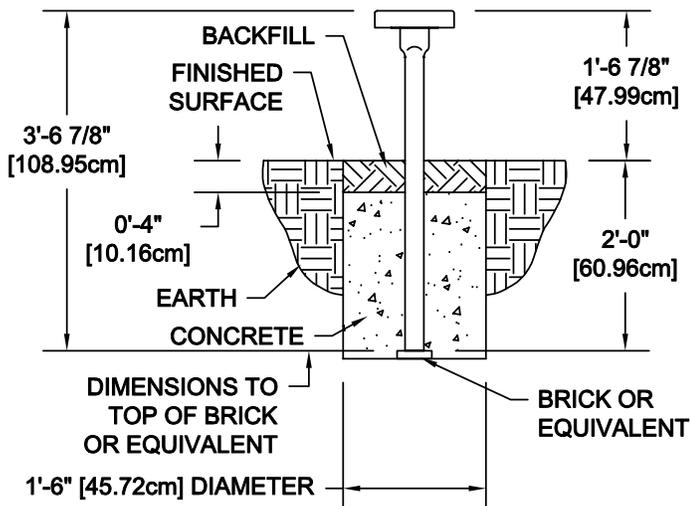
IMPORTANT

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

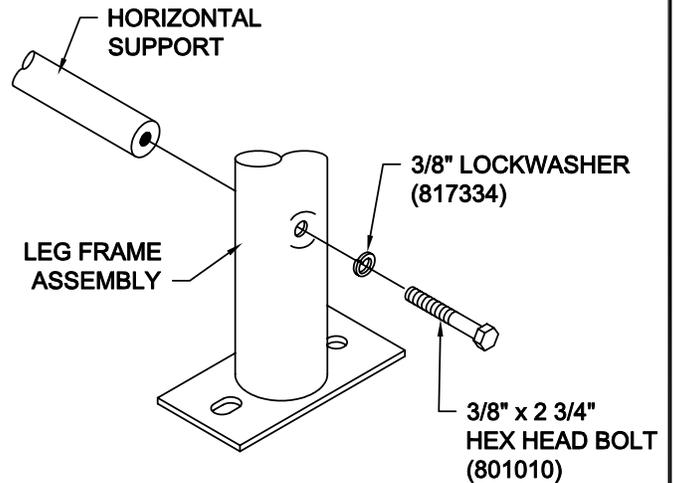
NOTE: AFTER ASSEMBLY IS COMPLETE, PEEN TEE-NUTS AND FLATWASHERS TO MATCH RADIUS OF PIPE.



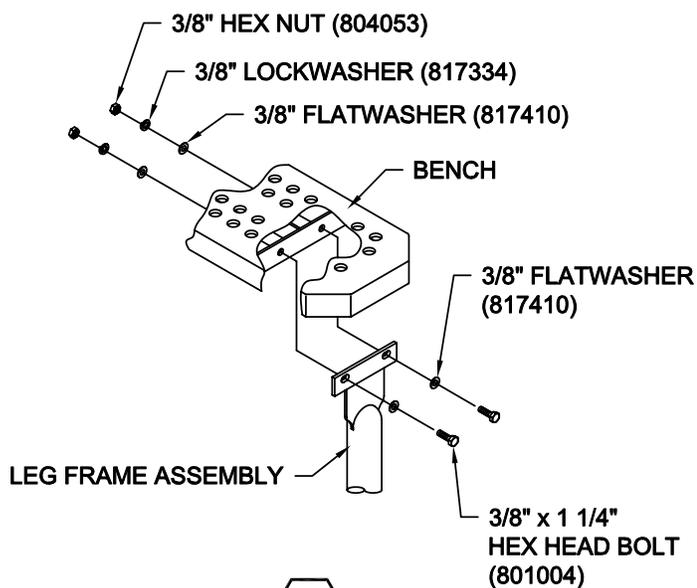
NOTE:
SUGGESTED MINIMUM CONCRETE RATING: 3000psi



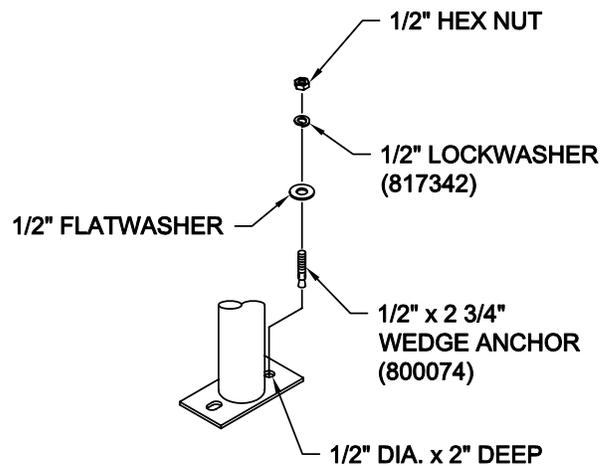
105



106



107



108



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38248L

FORKED LOG BALANCE BEAM w/ 2-5 OR 5-12 LABEL

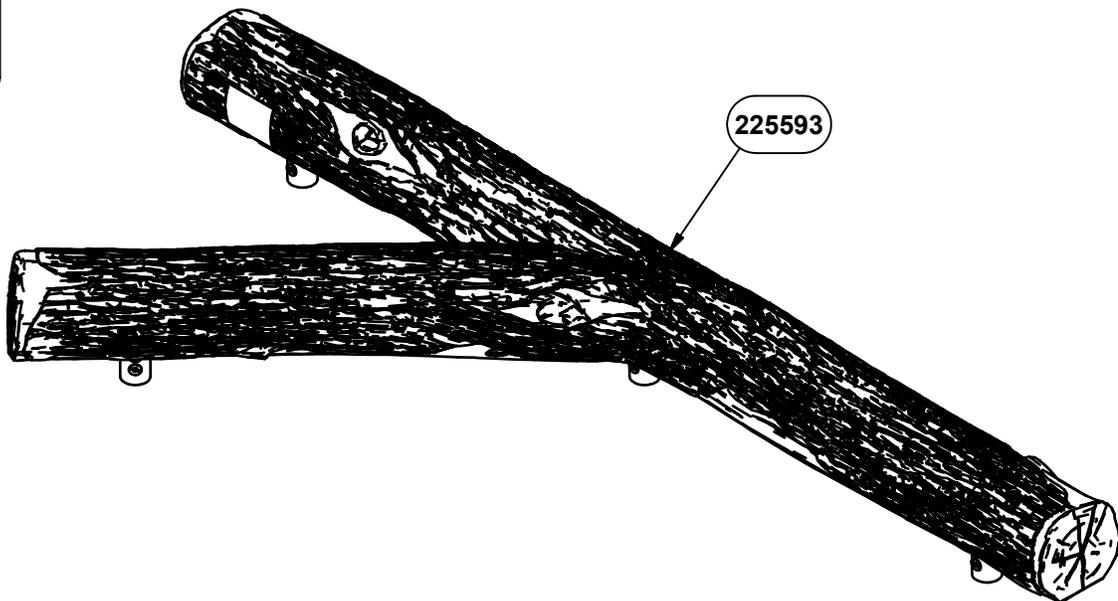
ISSUED/REVISED: 2/4/2025



REFER TO
PAGE 3



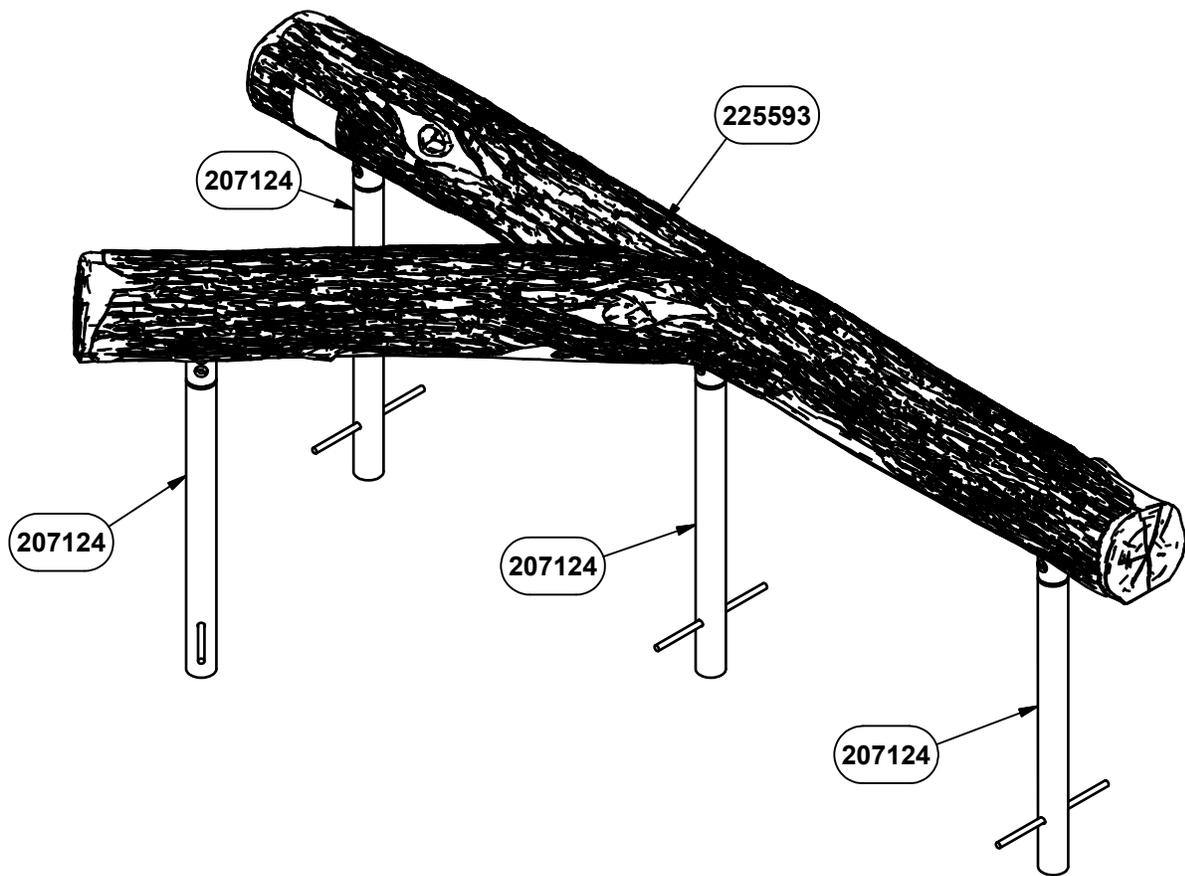
REFER TO
PAGE 3



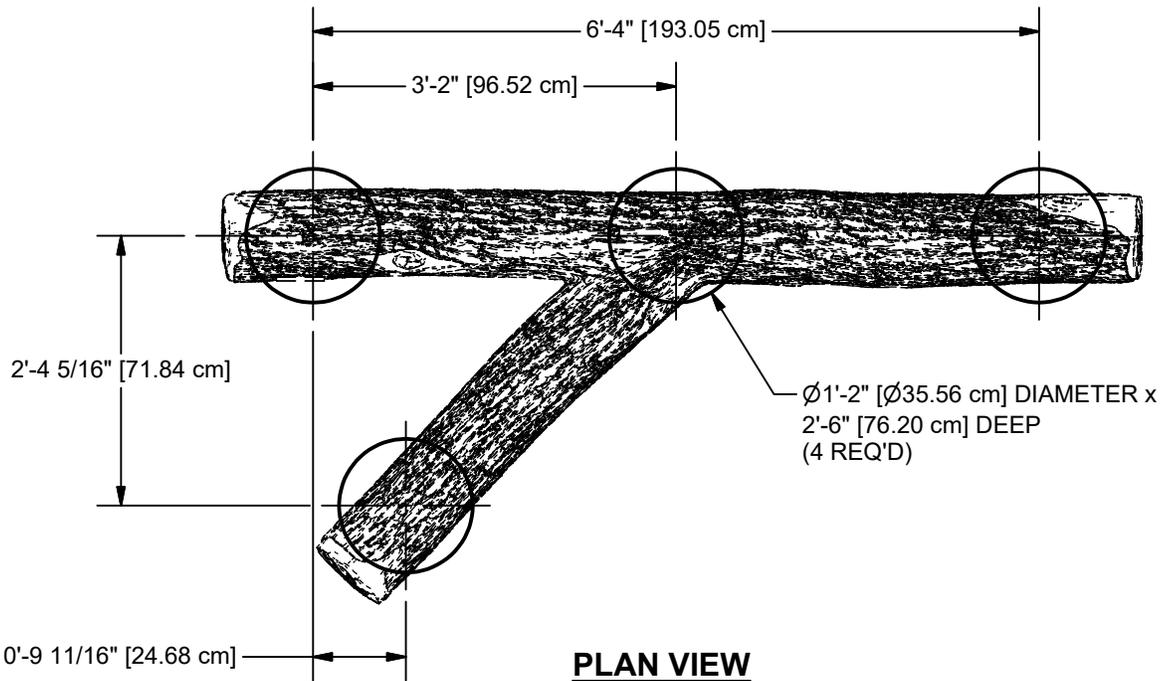
ASSEMBLY VIEW

INSTALLATION INSTRUCTIONS

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



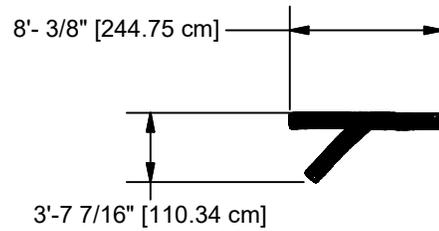
ASSEMBLY VIEW



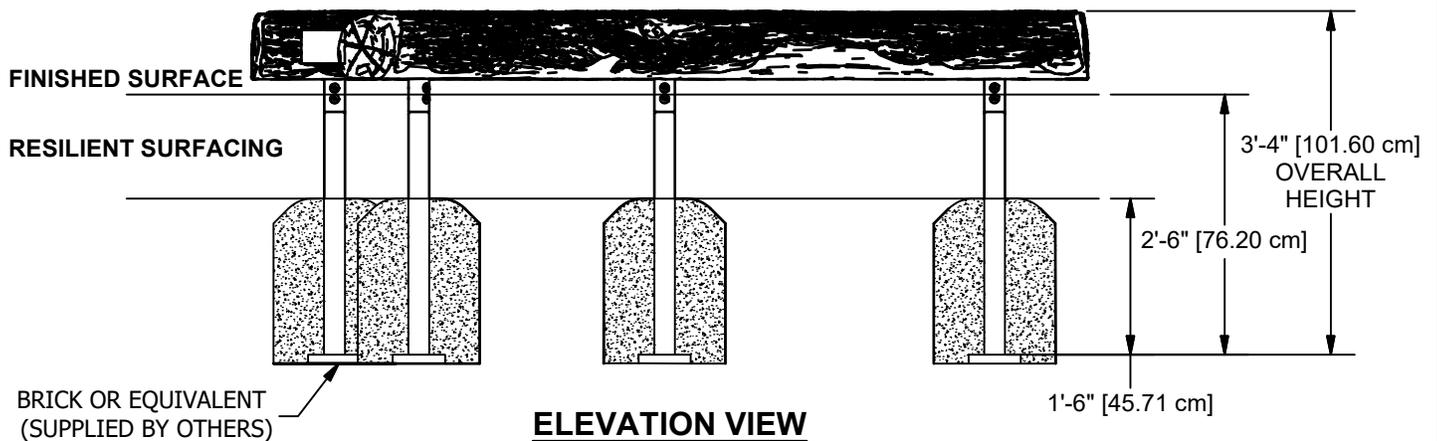
PLAN VIEW

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

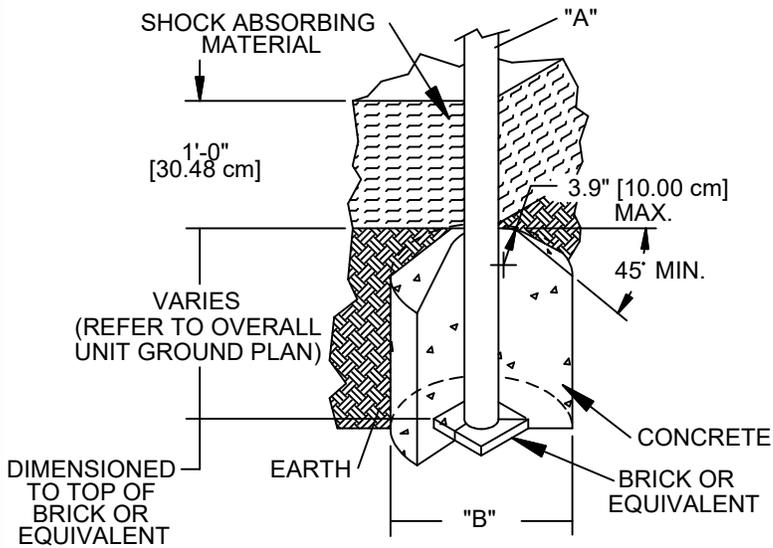
CONCRETE REQUIRED
 0.24 CUBIC YARDS
 [0.18 CUBIC METERS]



TOP VIEW



ELEVATION VIEW



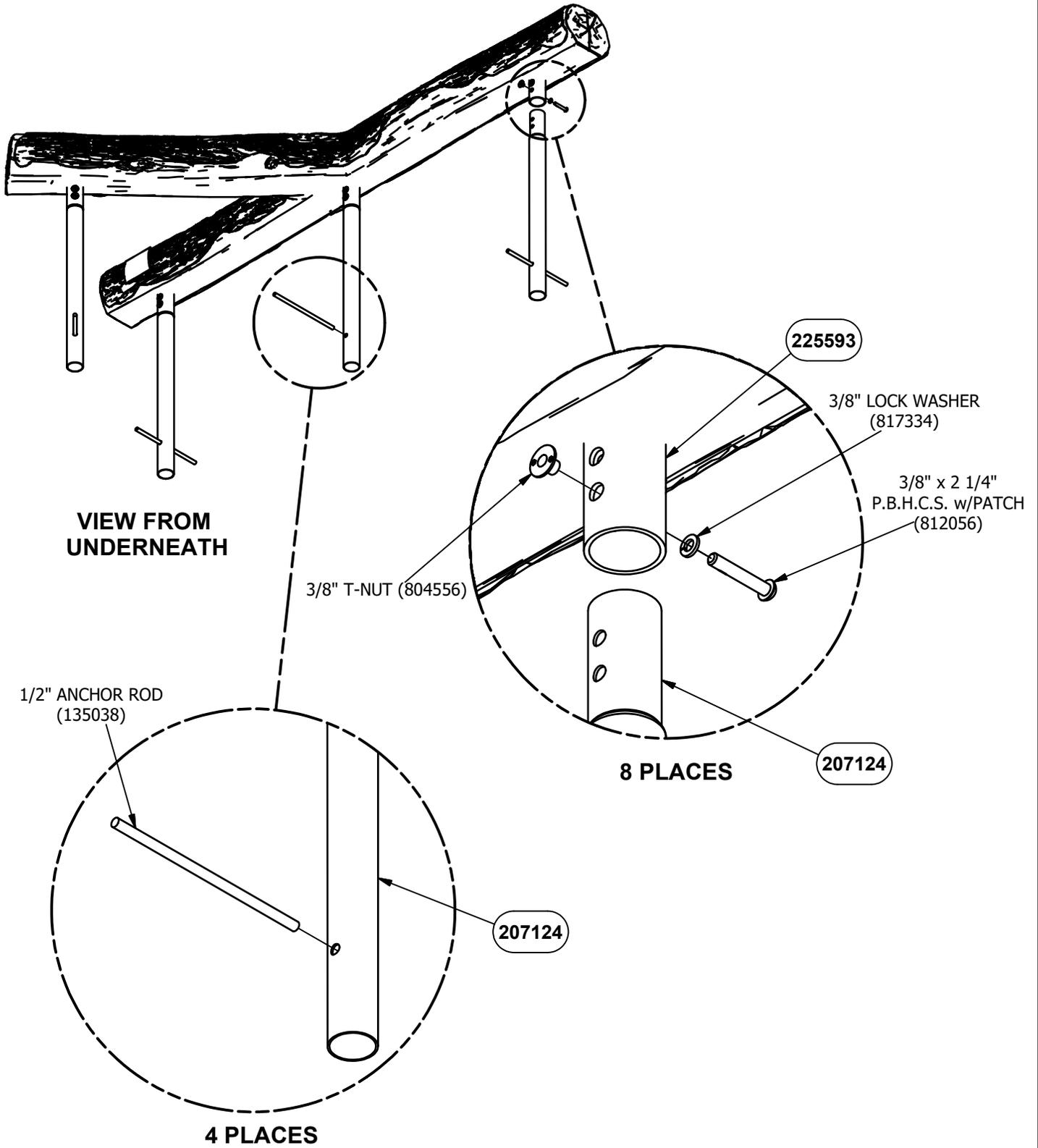
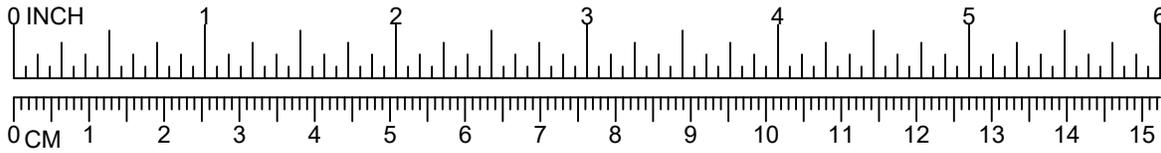
DIA. "A" (PIPE SIZE)	DIA. "B" (FOOTING SIZE)
1 1/16" [2.70 cm]	1'-2" [35.56 cm]
1 5/16" [3.33 cm]	1'-2" [35.56 cm]
1 5/8" [4.13 cm]	1'-2" [35.56 cm]
1 7/8" [4.83 cm]	1'-2" [35.56 cm]
2 3/8" [6.03 cm]	1'-2" [35.56 cm]
3 1/2" [8.89 cm]	1'-6" [45.72 cm]
5" [12.70 cm]	1'-6" [45.72 cm]

NOTES:

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

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

FOOTING DETAIL



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

DETAIL VIEW



IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

INSTALLATION INSTRUCTIONS

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

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

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

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

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

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

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

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

NOTE: REFER TO PAGES 3 THROUGH 4 FOR ELEVATION VIEW AND FOOTING DETAIL.

STEP 1: Dig required footing hole.

STEP 2: Position lifting strap around the GFRC component and attach free ends to lifting machinery.

CRITICAL NOTE: Lifting strap and lifting machinery must be rated for 500 lbs. minimum.

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

STEP 3: Carefully place GFRC component on Footbucks and secure with hardware. **REFER TO PAGE 5.**

STEP 4: Insert 1/2" Anchor Rod into holes of Footbuck. **REFER TO PAGE 5.**

STEP 5: Carefully place and center GFRC component and Footbucks into footing holes.

STEP 6: After GFRC component and Footbucks are in footing holes, use bracing material to level and secure in place. Proceed to remove all remaining packaging material, inspect component for blemishes, and use included repair kit as needed. Scan QR code below for Tuffcrete "Installer Training" video resources.



Parts List		
DESCRIPTION	QTY	PART NUMBER
FORKED LOG BALANCE BEAM WITH AGE LABEL	1	225593
FOOTBUCK 32 1/4"	4	207124
HARDWARE COMPLETE	1	225592
3/8" x 2 1/4" P.B.H.C.S. w/PATCH	8	812056*
3/8" LOCK WASHER	8	817334*
3/8" T-NUT	8	804556*
1/2" ANCHOR ROD	4	135038*

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

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

**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Red thread locker (supplied by others) must be applied to all non-patch threaded hardware.**

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

MAINTENANCE PROCEDURE:

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

PowerScape®

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1-800-235-2440

ISSUED/REVISED: 5/22/19

91284 THREE STUMP CLIMBER

⬡ = INSTALLATION
DETAIL

○ = PARTS LIST
REFERENCE



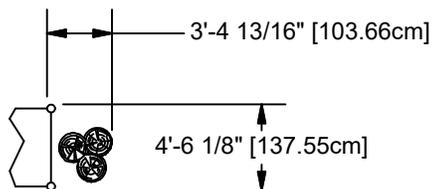
3'-6" DECK
HEIGHT



3'-6" AND
4'-0" DECK
HEIGHTS



ASSEMBLY VIEW



TOP VIEW

SPECIFICATIONS

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

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

INSTALLATION INSTRUCTIONS

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

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

NOTE: Read installation instructions thoroughly before starting assembly.

STEP 1: Dig required footing hole. 36" x 36" x 8" depth min.

STEP 2: Fill footing hole with concrete.

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

STEP 3: Carefully guide Fork Lift blades through fork pockets.

and attach free ends to lifting machinery

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

NOTE: Lifting strap and lifting machinery rated for 2500 lbs min.

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

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

Parts List			
REF.	DESCRIPTION	QTY	PART NUMBER
1	THREE STUMP CLIMBER GFRC	1	208090
	HARDWARE COMPLETE	1	208081
	3/8" x 3/4" P.B.H.C.S.	2	812052*
	3/8" LOCKWASHER	2	817334*
	3/8" FLATWASHER	2	817424*
	3/8" T-NUT	2	804556*
	1/2" x 4 1/4" WEDGE ANCHOR	4	800082*

Unless Otherwise Specified, All Units of Measure are Each

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

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



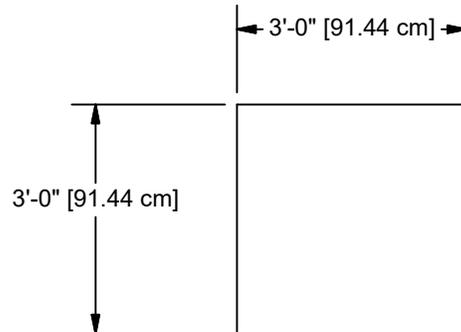
IMPORTANT PRODUCT INFORMATION AND SAFETY WARNINGS



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

GENERAL NOTES:

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



GROUND PLAN

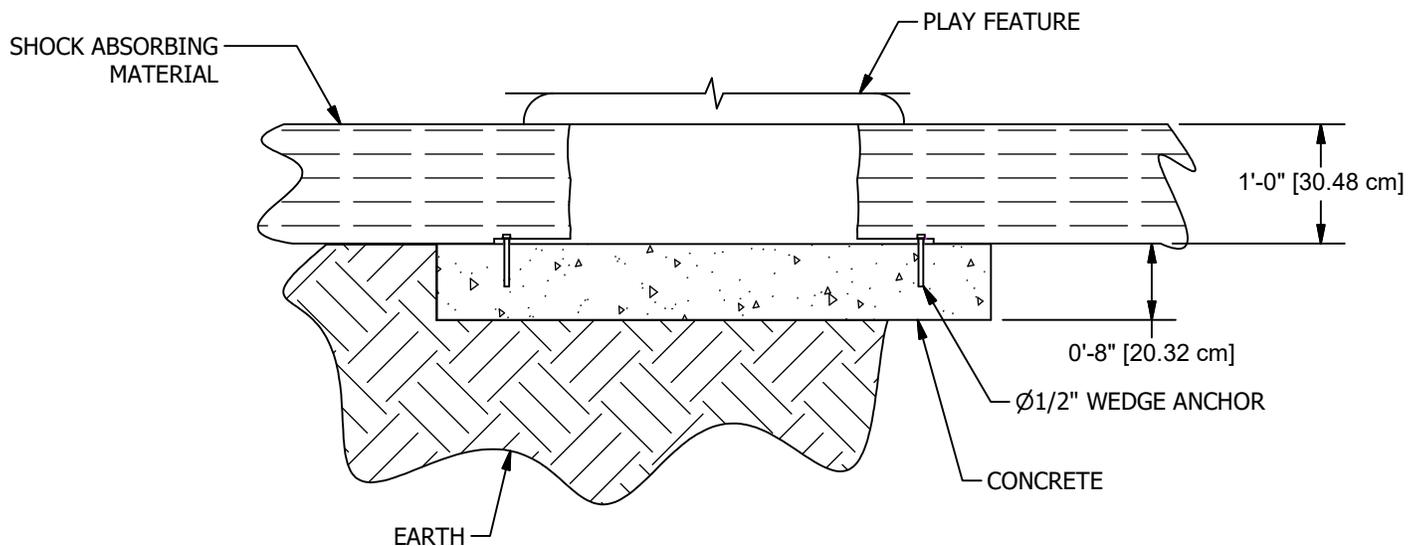
NOTE:

SUGGESTED MINIMUM CONCRETE RATING 3000 PSI.

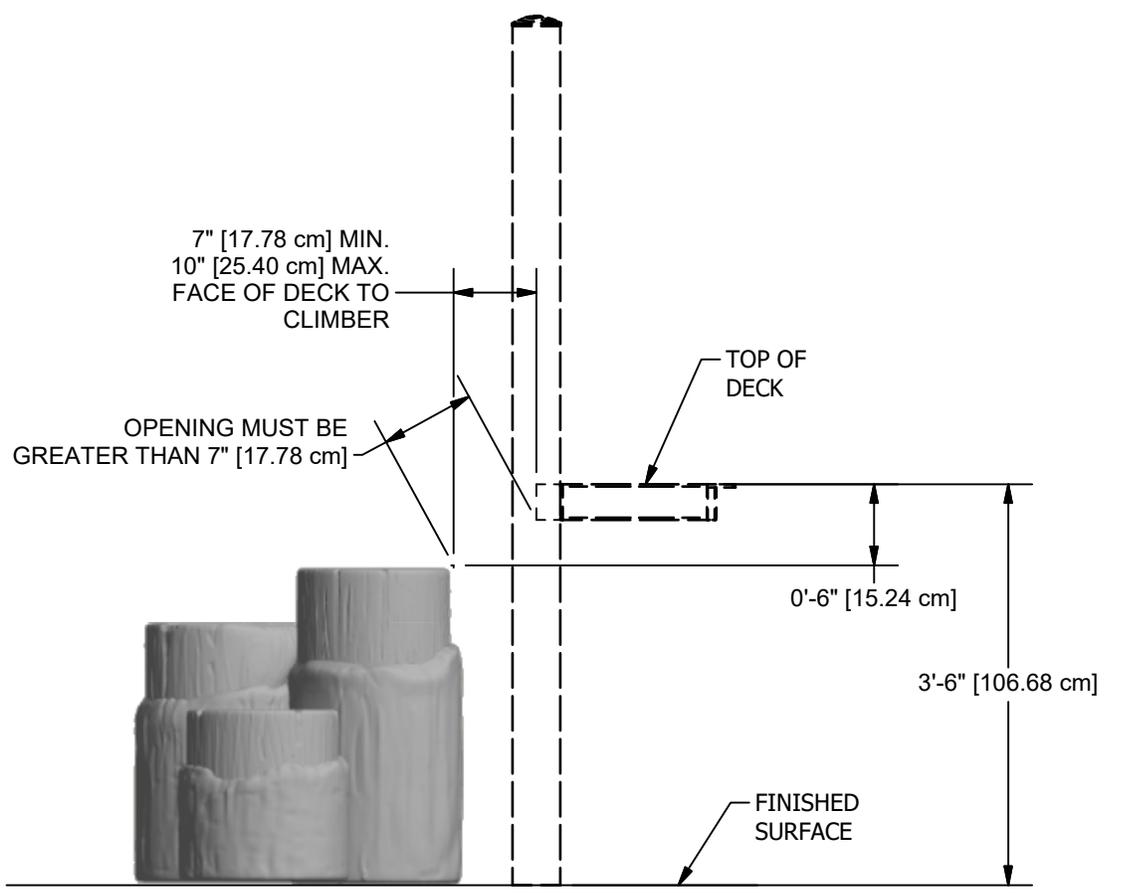
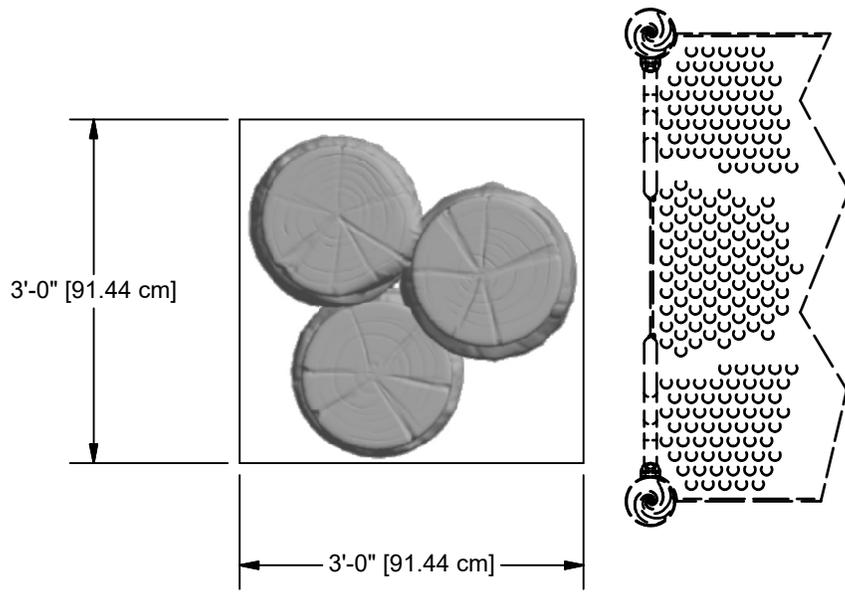
CONCRETE REQUIRED (38110):

.22 CUBIC YARDS
.17 CUBIC METERS

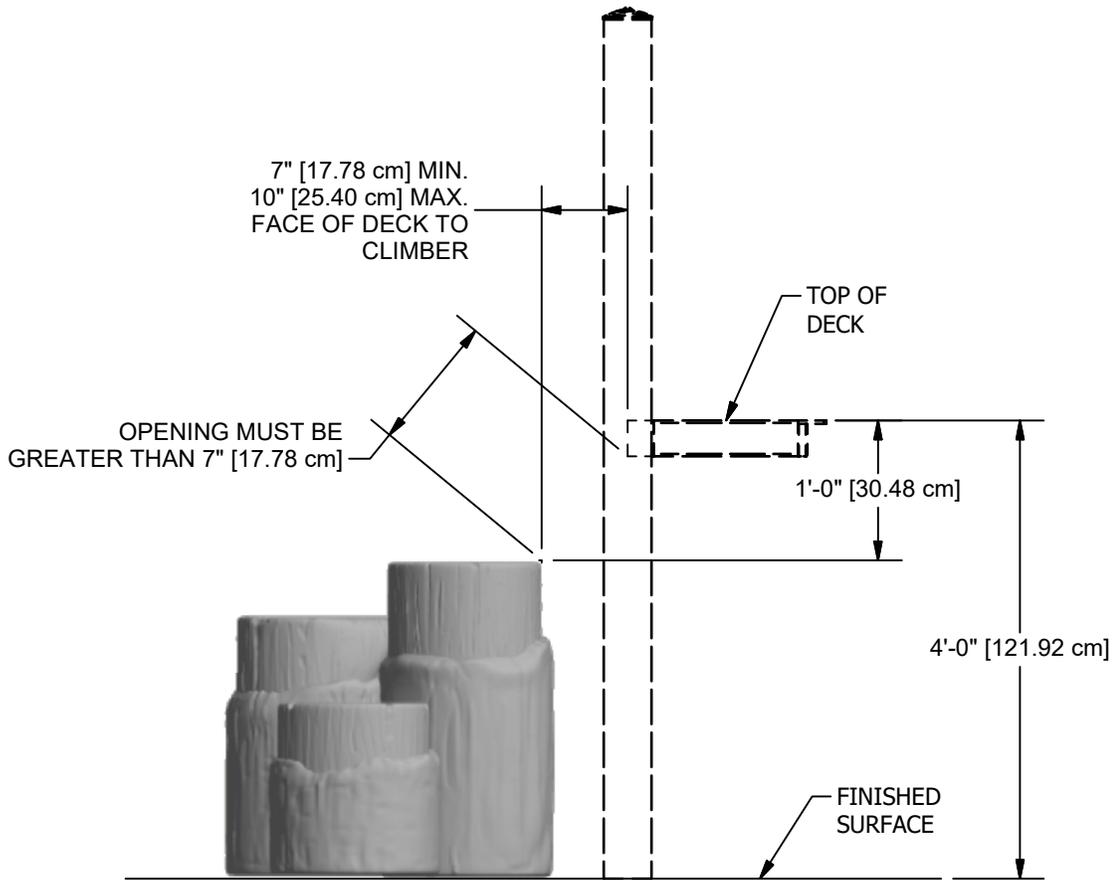
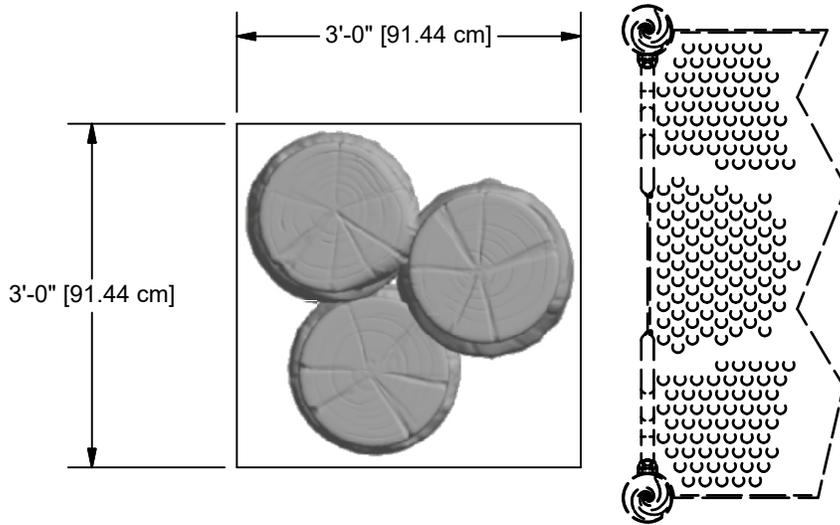
SHOCK ABSORBING PROPERTIES OF SURFACING MATERIALS VARY. IF YOU DETERMINE THAT LESS THAN 1'-0" [30.48cm] OF SURFACING IS REQUIRED, MAKE UP THE DIFFERENCE IN ELEVATION WITH EARTH, BEFORE APPLYING SURFACING.



FOOTING DETAIL



91284
3'-6" DECK HEIGHT



91284
4'-0" DECK HEIGHT

DETAILS -for- 91284

IMPORTANT

TO REDUCE THE RISK OF CLOTHING ENTANGLEMENT IN COMPLIANCE WITH ASTM F1487, ANY BOLT END PROTRUDING 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.

