



STATE COLLEGE AREA SCHOOL DISTRICT

PLAYGROUND MASTERPLAN

JUNE 3, 2019



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Platforms, Landings, and Walkways (continued)

Page 15					August 2011
General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
13. Barriers provided on elevated surfaces > 30" when intended for 2-5, and > 48" when intendedfor 5-12. (ASTM 7.5.6.1)	X				
14. Wheelchair accessible ramps that require barriers have one handrail on both sides between 20-28" H. (DOJ 2010 Standard Section 1008.2.5)	N/A				
15. Barriers surround elevated surface except for access and egress openings; max. clear opening w/o a horizontal top rail is 15". (ASTM 7.5.6.3)	X				
16. Top surface of barrier is 29" min. when intended for 2-5, and 38" max. when intended for 5-12. (ASTM 7.5.6.4)	X				
17. Adjacent platforms w/ height difference > 12" when intended for 2-5 or > 18" when intended for 5-12 have an access component. (ASTM 7.5.7.1)	X				
18. Head Entrapment... All components pass entrapment and partially-bounded opening tests. Partially bounded openings < 24" H exempt. (ASTM 6.1, 6.1.4, 6.1.4.7(3))	X				
19. Sharp Points and Edges... Eqpt free of splinters, sharp points, edges; tubing is capped; bolts free of burrs, sharp points, and edges. (ASTM 6.2; CPSC 3.4)	X				
20. Protrusions... All components pass protrusion test. Nuts, bolts, screws recessed, covered, or sanded smooth and level. (ASTM 6.3; CPSC 3.2)	X				
21. Entanglements... No protrusions project upwards > 1/8" from horizontal plane; max. 2 fastener threads protrude through any nut perpendicular to initial surface; any protrusion increasing in diameter from initial surface less than or equal to 1/8" in width and 1/8" in depth is exempt. (ASTM 6.4.2, 6.4.3, 6.4.4)	X				
22. Entanglements... All connecting devices (S-hooks, C-hooks, etc.) are closed to within .04"; lower loop of S-hooks does not protrude past the upper loop; lower loop does not overlap. (ASTM 6.4.5.1) Connectors whose interior spaces are completely infilled are exempt. (ASTM 6.4.5.2.1)	X				
23. Crush/Shear... All components pass crush shear tests. (ASTM 6.5; CPSC 3.1)	X				

Platforms, Landings, and Walkways (continued)

Page 16					August 2011
General Equipment Conditions	Compliant (YES)	Non-comp (NO)	Priority Rating	Comments	
24. Hardware/General Concerns					
Fasteners are corrosion-resistant or have a corrosion-resistant coating. Fasteners cannot be loosened without tools; nuts and bolts are self-locking or have a means to prevent detachment. (ASTM 4.2.1, 4.2.2; CPSC 2.5.2)	X				
Tires do not trap water; tires have no exposed steel belts. (ASTM 4.3; CPSC 3.7)	X				
Equipment is free of rust/chipping paint. (CPSC 2.5.4)	X				
Play area is free of tripping hazards. All anchoring devices are installed below ground level and beneath protective surfacing. Surfacing containment border is highly visible. (ASTM 7.3.2.2; CPSC 3.6)	X				

ADDENDUM : EXISTING EQUIPMENT

Corl Street Elementary School



CHALLENGER

Play Structure: 001746_P4

Ref.	Part No.	Description	Qty.
1	ZZCH0009	3-1/2" X 112" STEEL POST W/ RIVETED CAP	3
2	ZZCH0028	3-1/2" X 136" STEEL POST W/ RIVETED CAP	1
3	ZZCH6970	CLIMB ACROSS	1
4	ZZCH6441	10' VINYL COATED CHAIN BRIDGE	1
5	ZZCH9990	CHALLENGER "TOOLS & ADDITIONAL PARTS KIT"	1
6	ZZUN9910	SURFACING WARNING LABEL KIT	1
7	ZZUN9930	MAINTENANCE KIT	1

This modular unit contains 02 active play components that will accommodate approximately 5 users and take approximately 12.0 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 0.77 yards of concrete for footings.

Corl Street Playground



CHALLENGER

DRAWING NUMBER: 001746_3

Ref.	Part No.	Description	Qty.
1	CH0028	3-1/2" x 136" Steel Post w/ Riveted Cap	1
2	CH6980	Spring Training	1
3	CH9990	Challenger Tools & Additional Parts Kit	1
4	UN9910	Surfacing Warning Label Kit	1
5	UN9930	Maintainence Kit	1

The modular unit contains 01 active play components will accommodate approximately 1 users and take approximately 5.5 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 0.13 yards of concrete for footings.



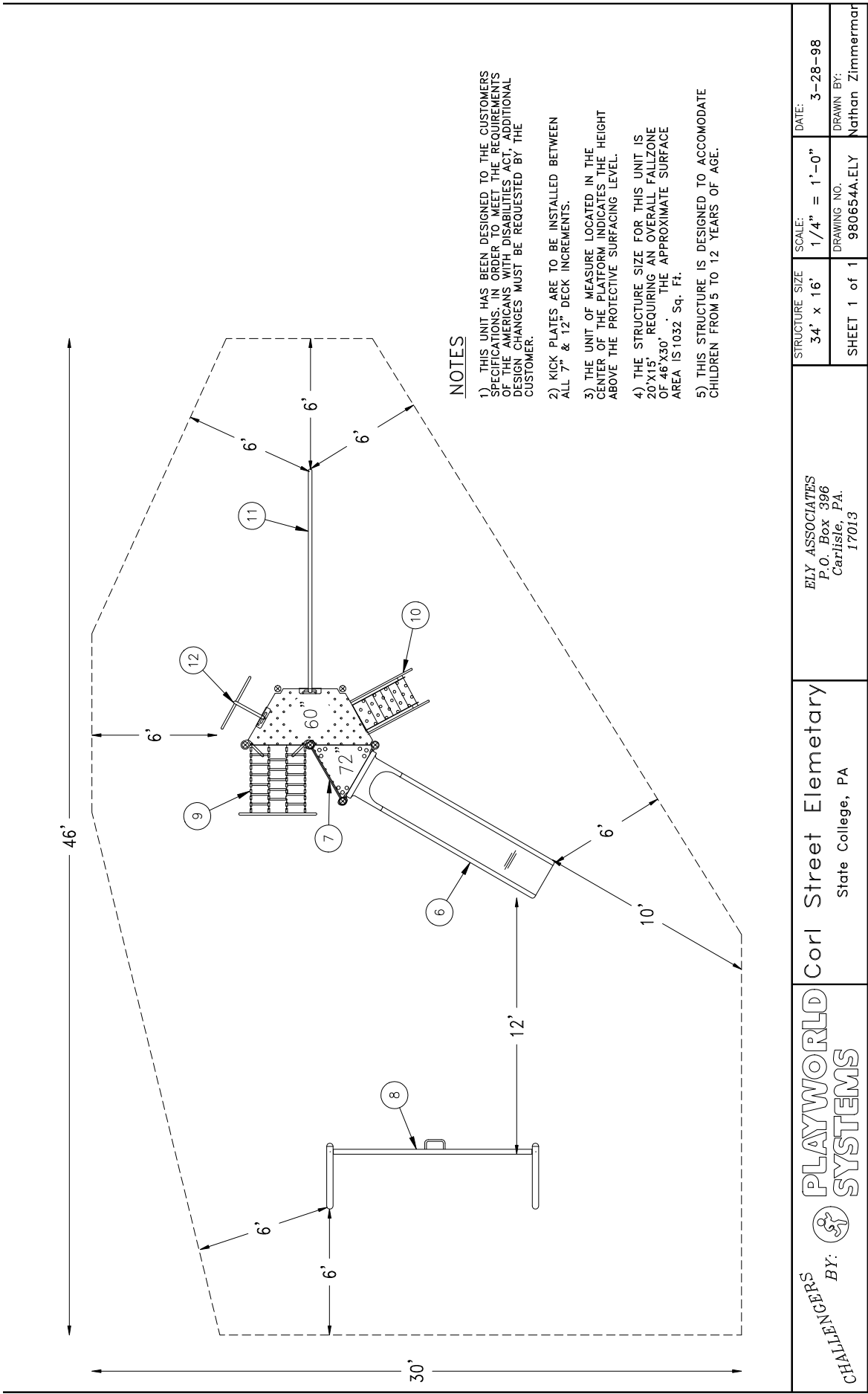
CORL STREET ELEMENTARY

CHALLENGER

DRAWING NUMBER: 980654A

Ref.	Part No.	Description	Qty.
1	CH0795	Triangular Vinyl Coated Deck Assembly	1
2	CH0805	Vinyl Coated Half Hex Deck Assembly	1
3	CH0920	156" Support Post w/Riveted Cap	6
4	CH2530	12" Deck to Deck Kick Plate	1
5	CH1850	Cantilever Post	2
6	CH2930	Lightning Slide w/Hood (72" Deck)	1
7	CH4090	Centerline Pipe Wall Barrier	1
8	UN6990	Monorail	1
9	CH7240	Chain Net Climber (60" Deck)	1
10	CH9325	Vinyl Coated Ladder (60" Deck)	1
11	UN7640	Mountain Climber (60" Deck)	1
12	UN7670	Tree Climber Assembly (60" Deck)	1
13	CH9990	Challenger Tools & Additional Parts Kit	1
14	UN9910	Surfacing Warning Label Kit	1
15	UN9930	Maintainence Kit	1

The modular unit will accommodate approximately 23 users and take approximately 21.4 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 1.28 yards of concrete for footings.



2001 CHALLENGERS

Notes:
1) Kick plates are to be installed between all 300deck increments.
2) The unit of measure located in the center of the platform indicates the height above the protective surfacing level.
3) The structure size for this unit is 17' X 11' requiring protective surfacing for an overall fallzone of 20' X 15' (300" X 225"). APPROXIMATE SURFACE AREA IS 1032 Sq. Ft.
4) This structure is designed to accommodate 8 children from 5 to 12 years of age.
5) This design configuration is the property of this firm and may not be reproduced without the expressed written consent of this firm and Playworld Systems Inc.a.

CORL STREET ELEMENTARY SCHOOL

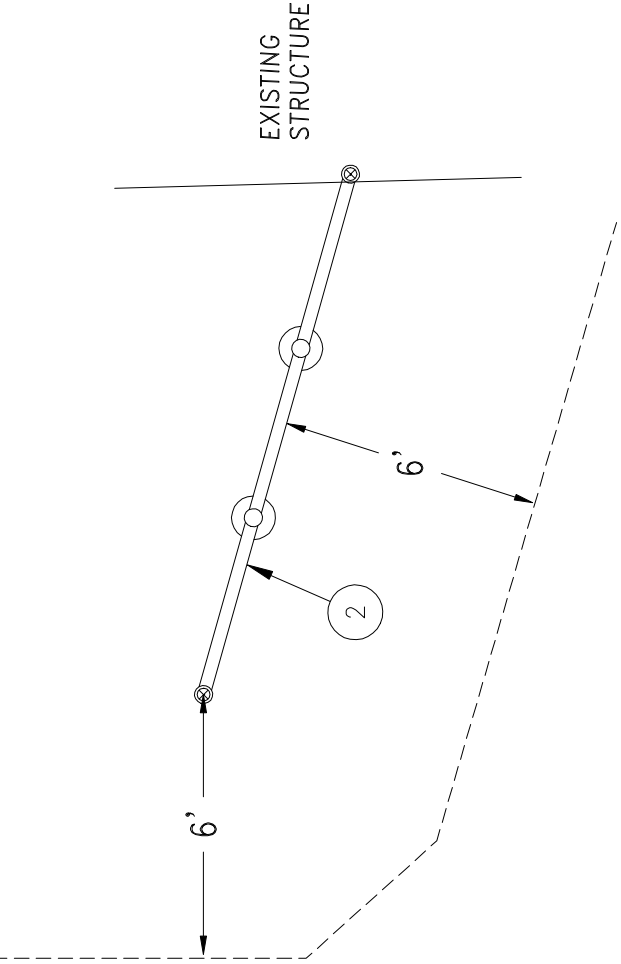


STATE COLLEGE, PA

ELY ASSOCIATES
P.O. Box 386
Carlisle, PA
17013

SCALE: 1/4" = 1'-0"

DATE: 21-JUN-01
DRAWN BY: S. ROTHERMEL



Notes:
3) The play system design meets or exceeds the requirements for access under the Accessibility Guidelines for Play Areas developed by the Federal Access Board.
2) Kick plates are to be installed between all 7" and 12" deck increments.
3) The unit of measure located in the center of the platform indicates the height above the protective surfacing level.
4) The structure size for this unit is 17' X 11' requiring protective surfacing for an overall fallzone of 20' X 15' (300" X 225"). APPROXIMATE SURFACE AREA IS 1032 Sq. Ft.
5) This structure is designed to accommodate 8 children from 5 to 12 years of age.
6) This design configuration is the property of this firm and may not be reproduced without the expressed written consent of this firm and Playworld Systems Inc.a.



CORL STREET PLAYGROUND

STATE COLLEGE, PA

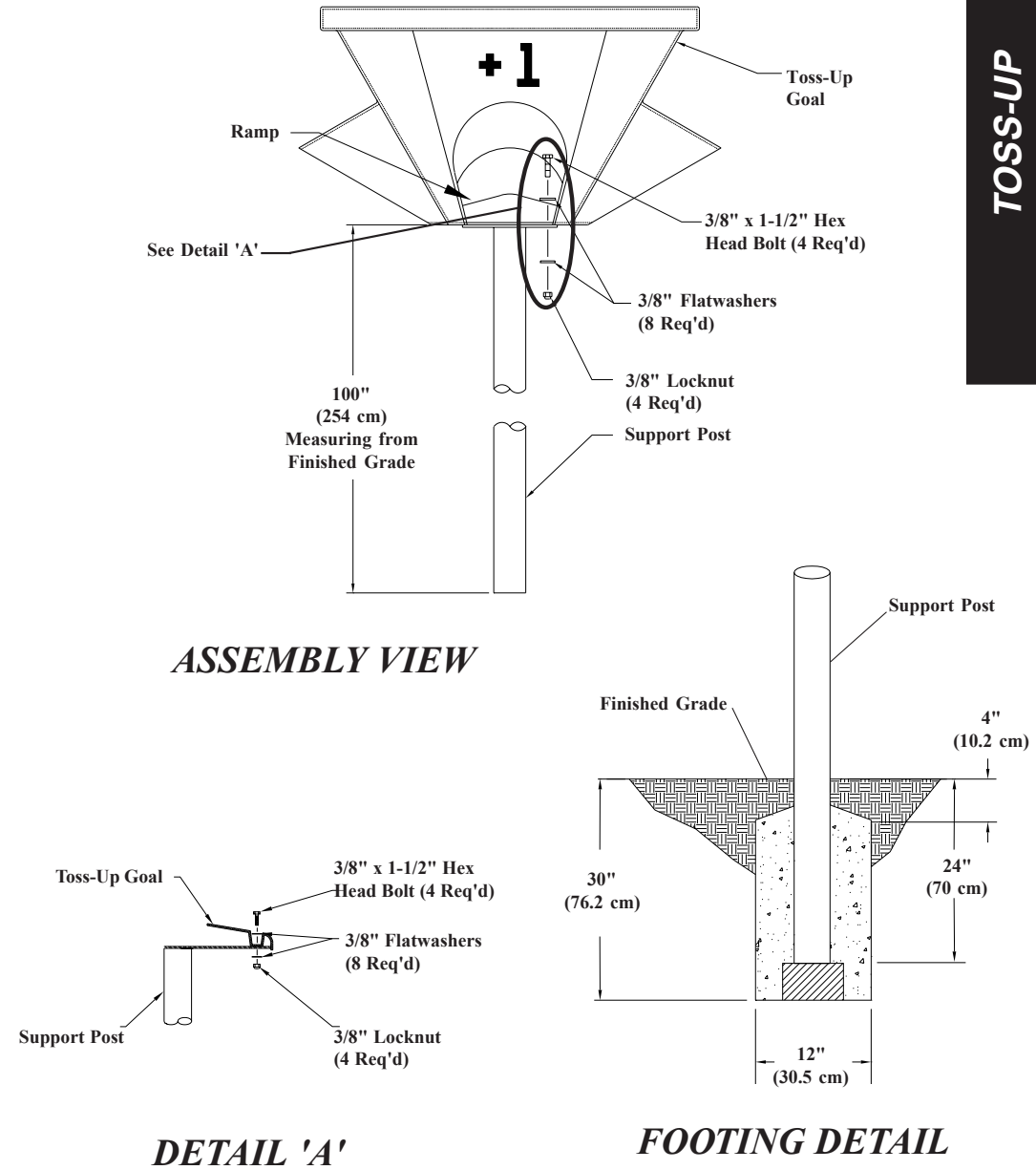
ELY ASSOCIATES
P.O. Box 386
Carlisle, PA
17013

SCALE: 3/8"=1'-0"

DATE: 5-2-00
DRAWN BY: GRANT SNYDER

TOSS-UP MODEL 1050

TOSS-UP



FOOTING DETAIL

DETAIL 'A'

ASSEMBLY VIEW

PLAYWORLD SYSTEMS

NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

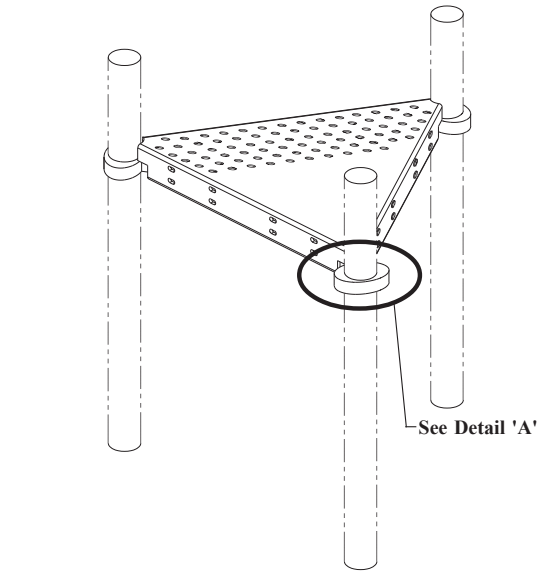
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SE1712

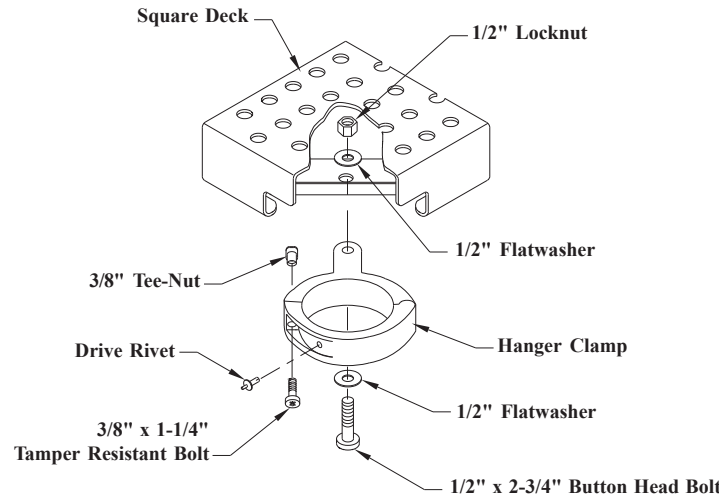
CHALLENGER

TRIANGULAR VINYL DECK MODEL CH0795

TRI VINYL DECK



ASSEMBLY VIEW



DETAIL 'A'

PLAYWORLD SYSTEMS

NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

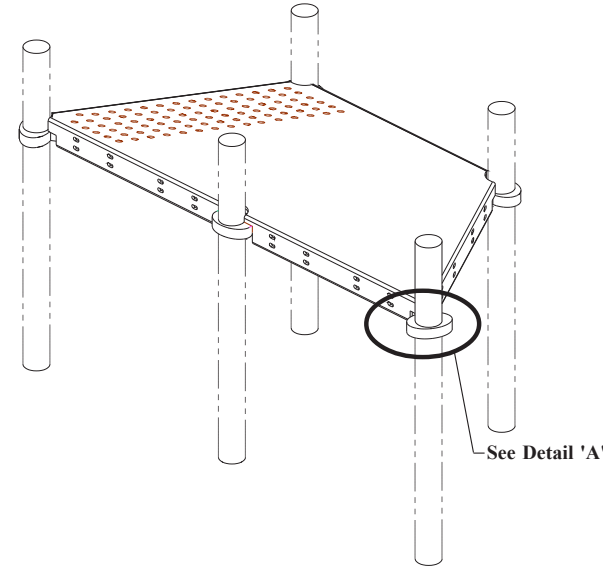
Page 1 of 2

PA483

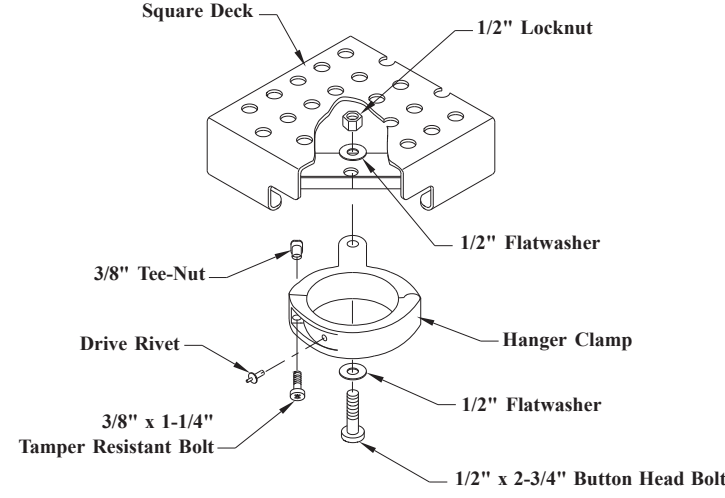
CHALLENGER

HALF HEX VINYL DECK MODEL CH0805

HALF HEX VINYL DECK



ASSEMBLY VIEW



DETAIL 'A'

PLAYWORLD SYSTEMS

NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

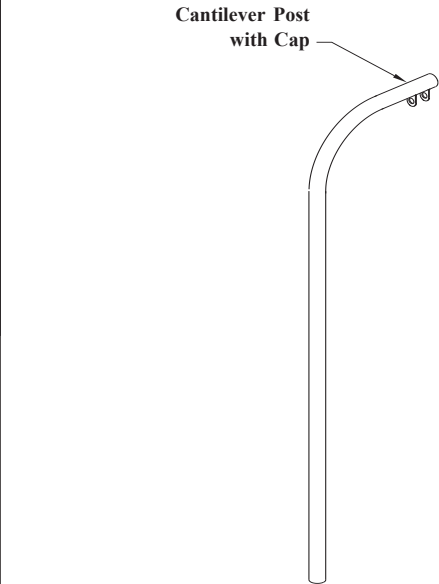
Page 1 of 2

PA483

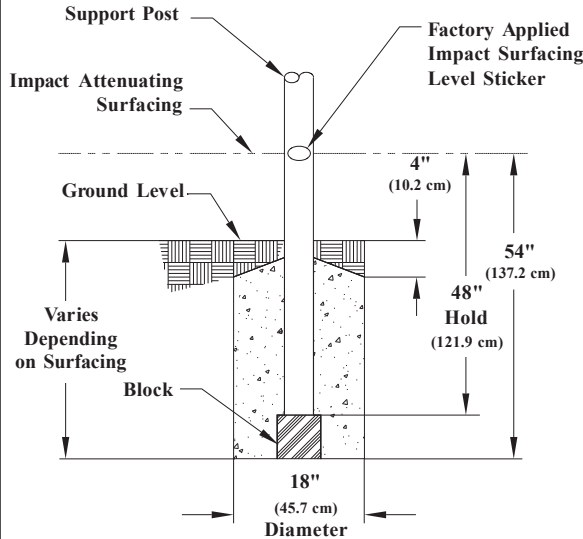
CHALLENGER

CANTILEVER POST GROUND ZERO MODEL CH1850

CANTILEVER POST



ASSEMBLY VIEW



FOOTING DETAIL

Footing Notes:

A. Footing depth equals 54" less the depth of the impact attenuating surfacing material. Example: If 12" of wood mulch is used for surfacing, the footing depth would be 42".

B. All 3-1/2" O.D. Challenger cantilever posts shall have a factory applied sticker with line designating placement of post in relationship to depth of impact attenuating surfacing on a level and clear installation site.

C. If play unit installed on uneven terrain, maintain cantilever post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Cantilever Posts and all attaching decks and play components must be plumb and level.

D. Footing size may vary due to local soil and weather conditions.

E. Base of footing must be below frost line.

F. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).

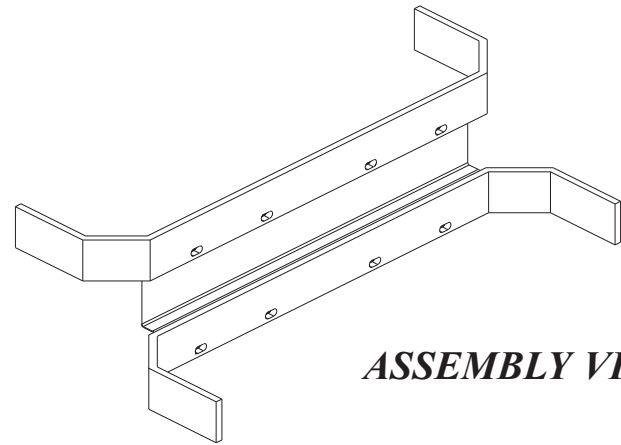
PLAYWORLD SYSTEMS

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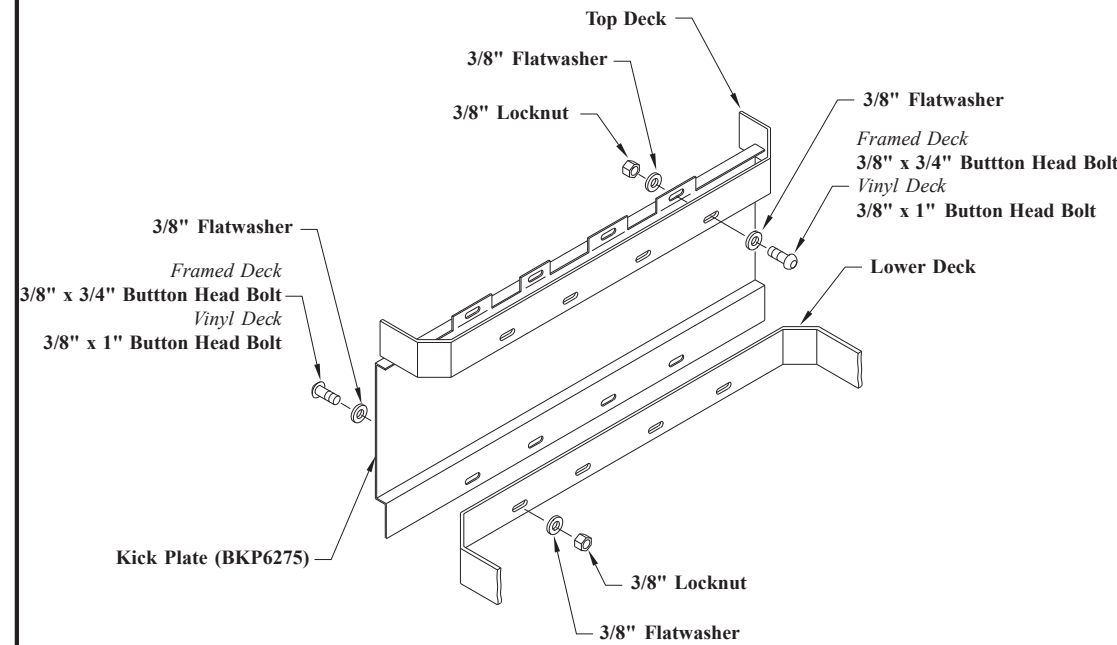
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SE1963

12" (30.5 cm) KICK PLATE
MODEL CH2530



ASSEMBLY VIEW



DETAIL 'A'

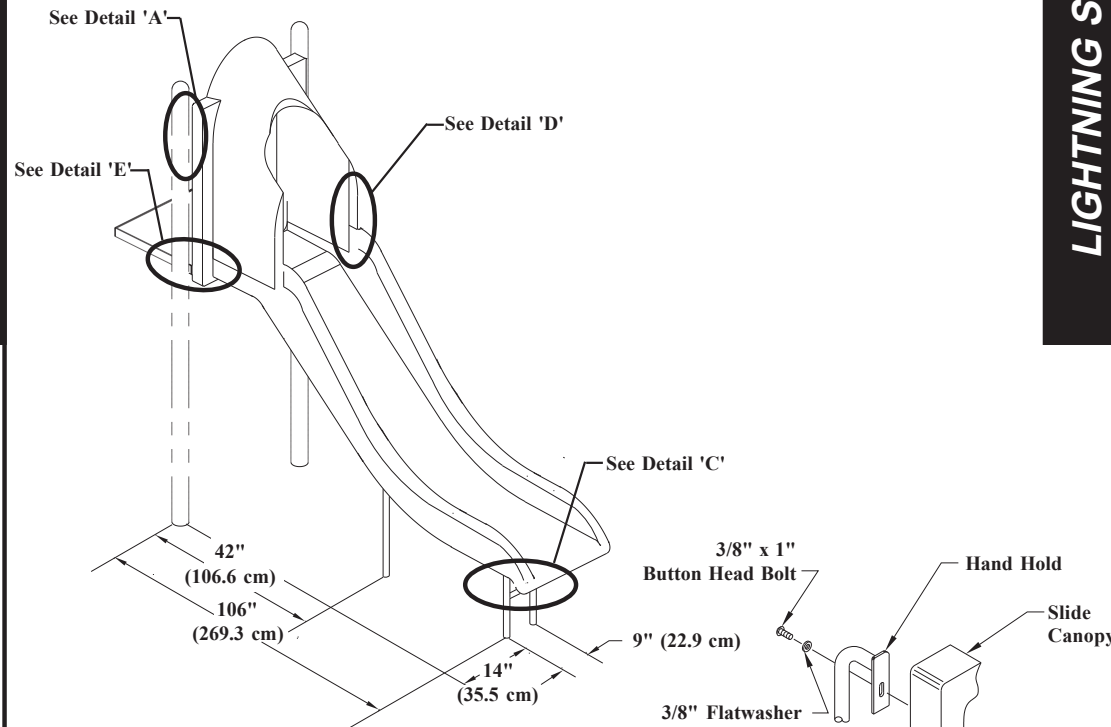


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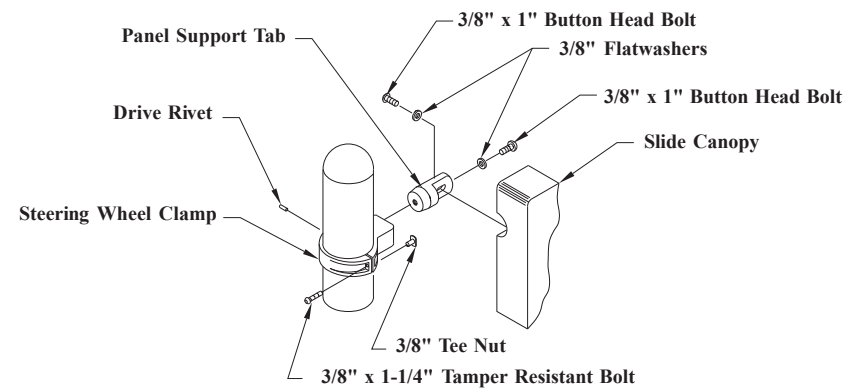
PA429

LIGHTNING SLIDE
72" (182.9 cm) DECK
MODEL CH2930



ASSEMBLY VIEW

DETAIL 'B'



DETAIL 'A'

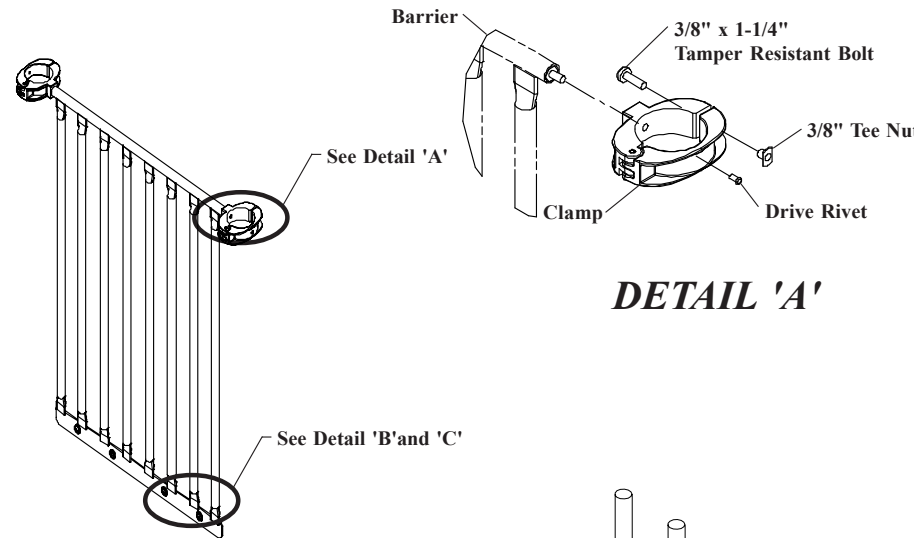


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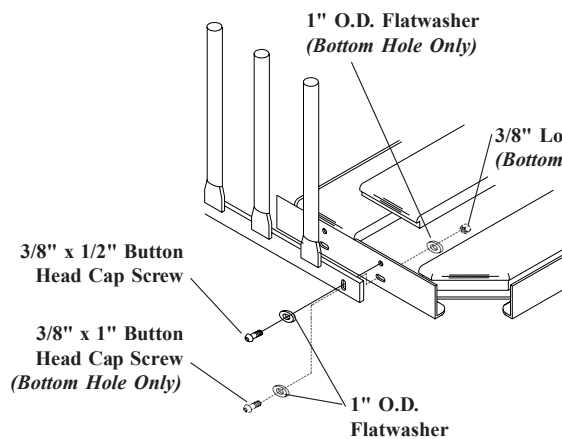
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SE2014

CENTERLINE PIPE WALL BARRIER
MODEL CH4090

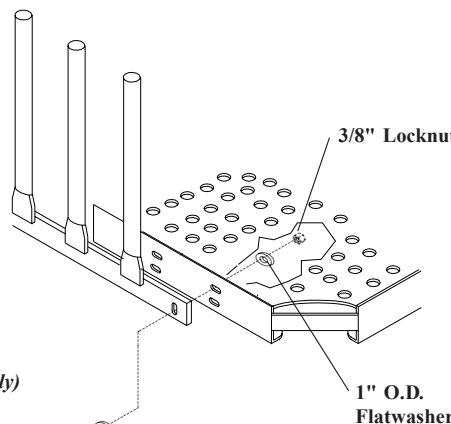


ASSEMBLY



DETAIL 'C'

Framed Deck Application



DETAIL 'B'

Vinyl Deck Application



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SE-2166



Putting The Fun Back Into Playgrounds™

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH5790

10 FT. (3048 mm) HORIZONTAL LOOP LADDER

Installation Preparation . . .

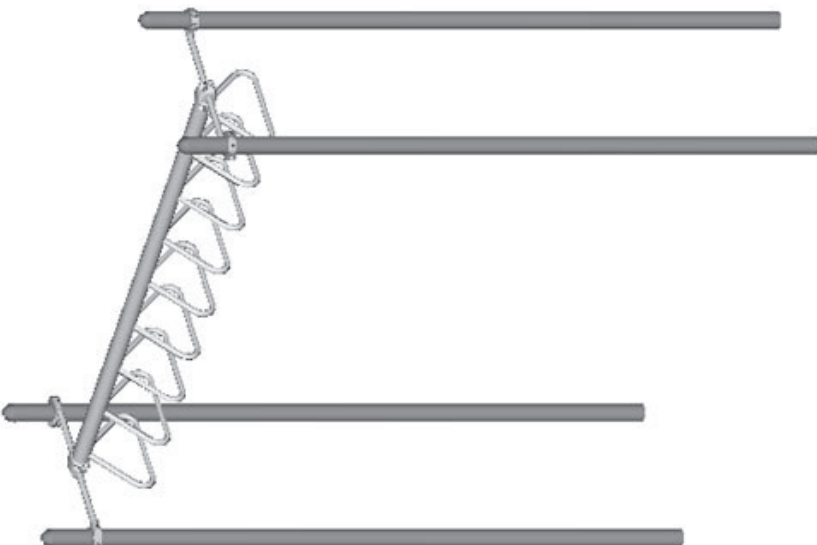
Installation Time: Approx. 1 hour
Weight: 74 Lbs. (34 Kilos)
Concrete Required: Approx. 2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View



INSTALLATION INSTRUCTIONS
CHALLENGERS™
MODEL CH5960
OVERHEAD EVENT ACCESS LADDER
(2) Rung



Assembly View

Installation Preparation . . .

Installation Time: Approx. 1 hour
Weight: 27 Lbs. (12 Kilos)
Concrete Required: Approx. .16 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

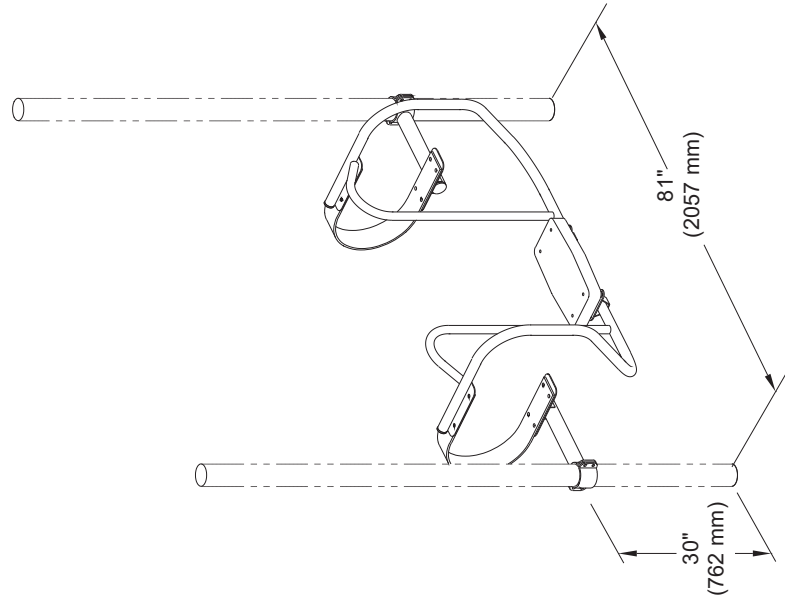
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Page 1 of 5

Model CH5960
ECN-203



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGER®
MODEL CH6850
U-BOUNCE

Installation Preparation . . .

Installation Time: Approx. 1 hour
Weight: 94 Lbs. (43 Kilos)
Concrete Required: Approx. 2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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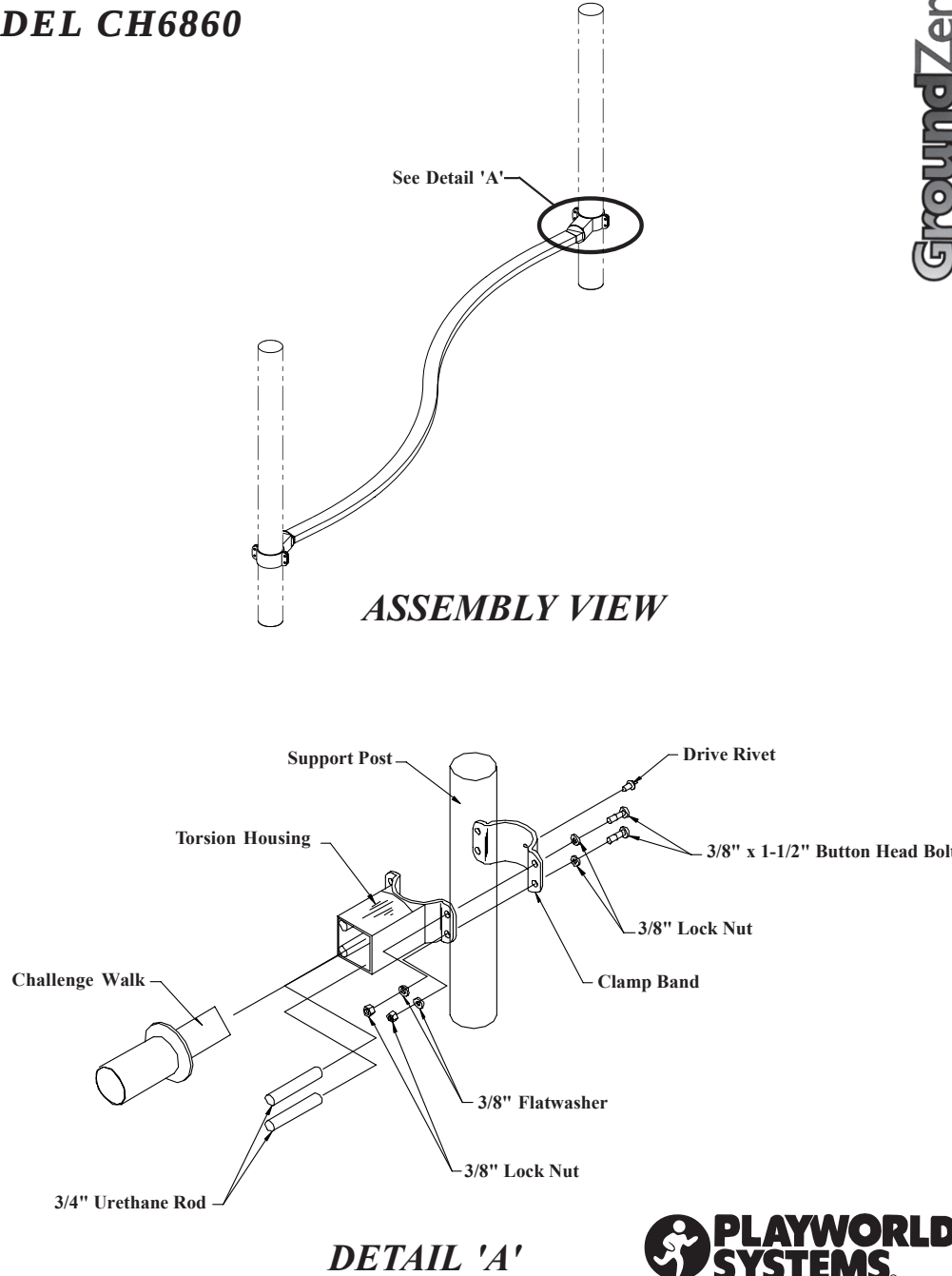


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Model CH6850
ECN-169

CHALLENGERS™

CHALLENGE WALK
MODEL CH6860



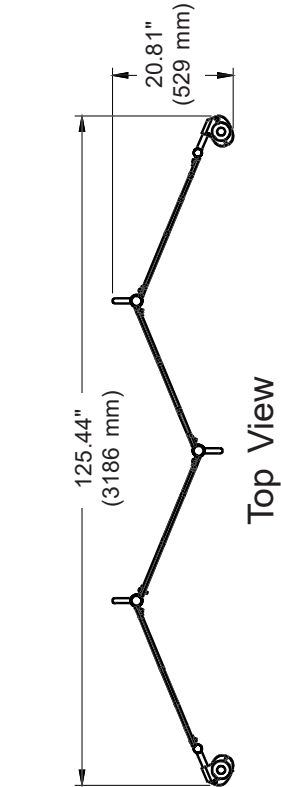
GroundZero™

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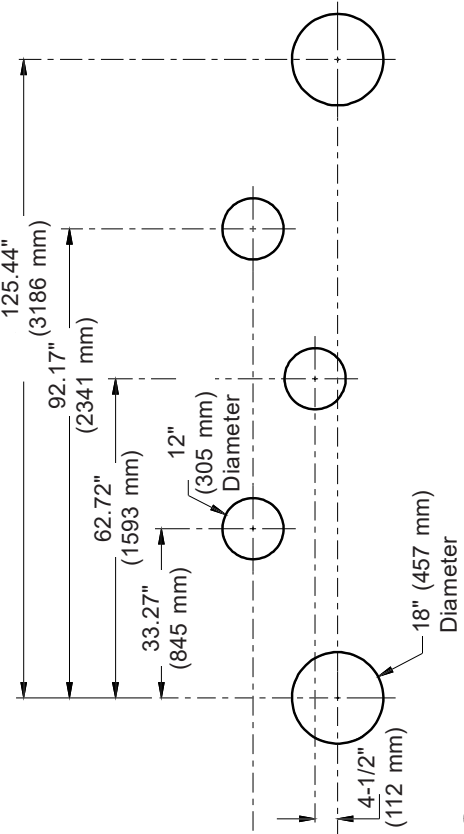
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ECN-34

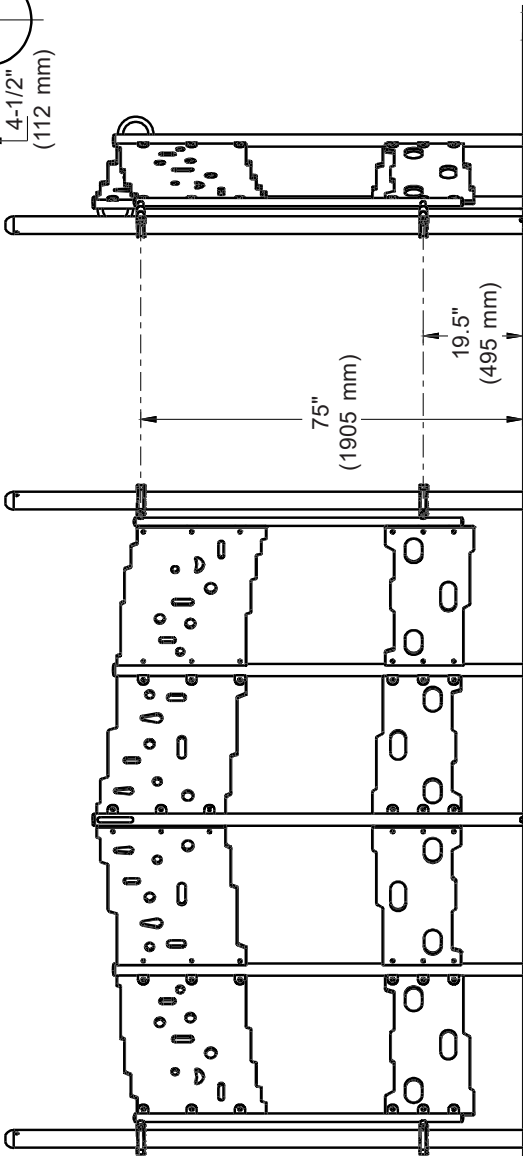
INSTALLATION INSTRUCTIONS



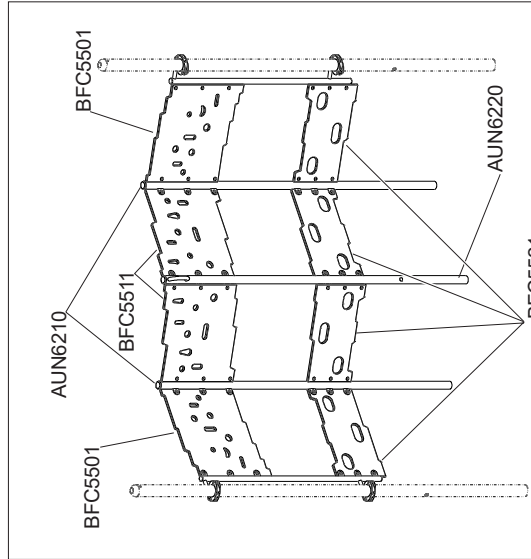
Top View



Footing Diagram



Elevation View

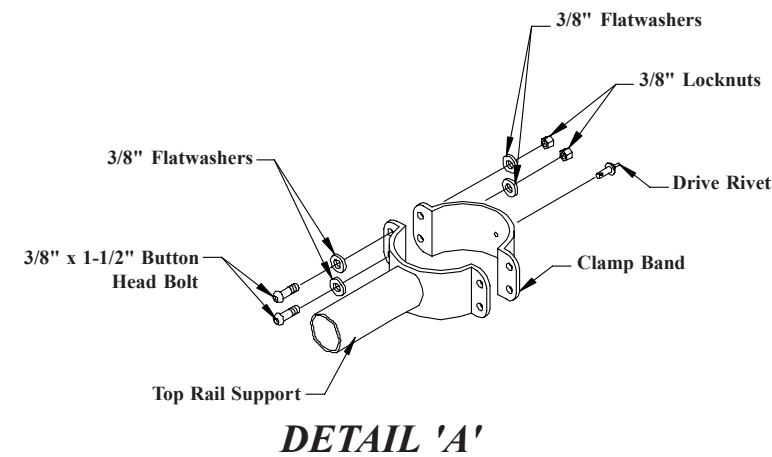
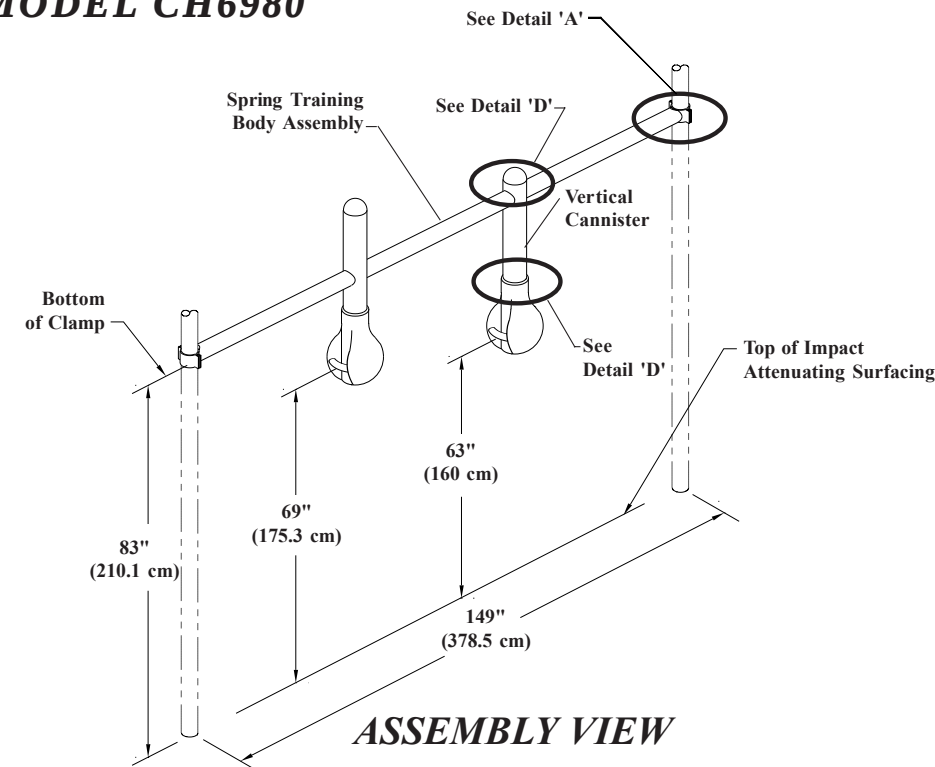


Assembly View Detail

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Model CH6970
ECN-409

SPRING TRAINING MODEL CH6980



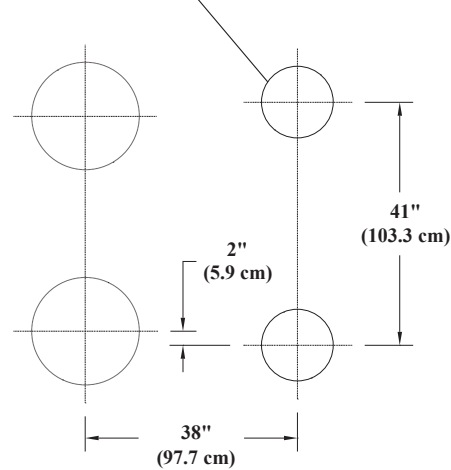
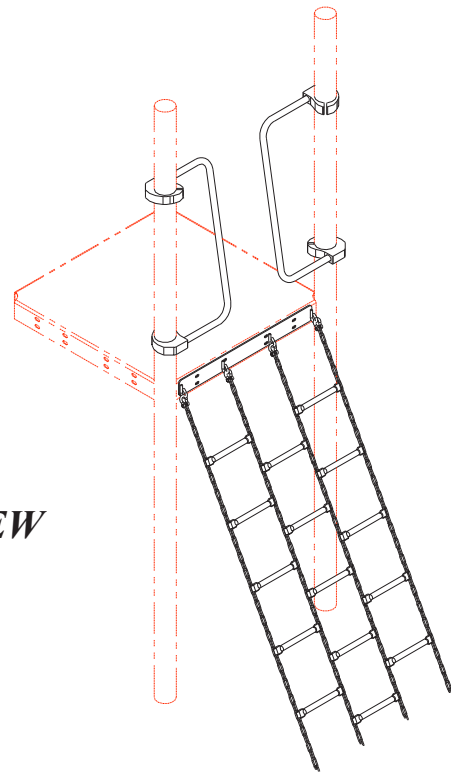
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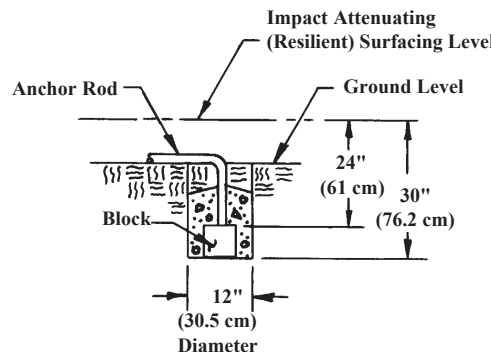
SE2086

GroundZero™

CHAIN NET CLIMBER 60" (152.4 cm) DECK MODEL CH7240



FOOTING DIAGRAM



FOOTING DETAIL



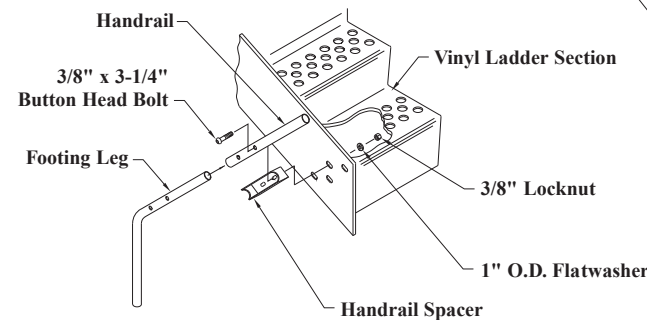
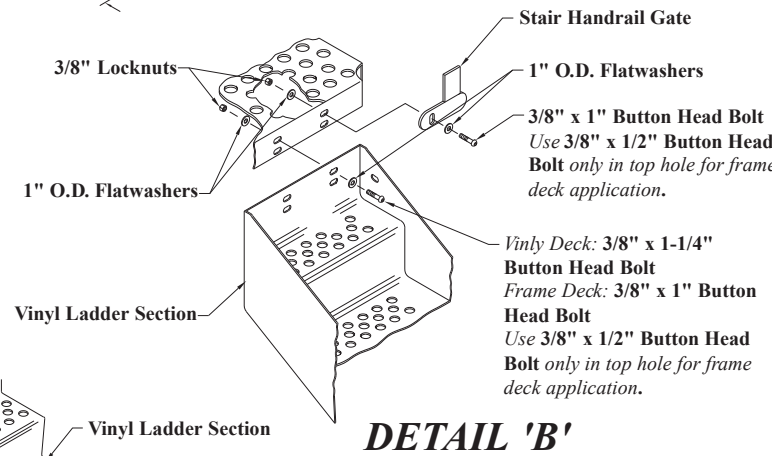
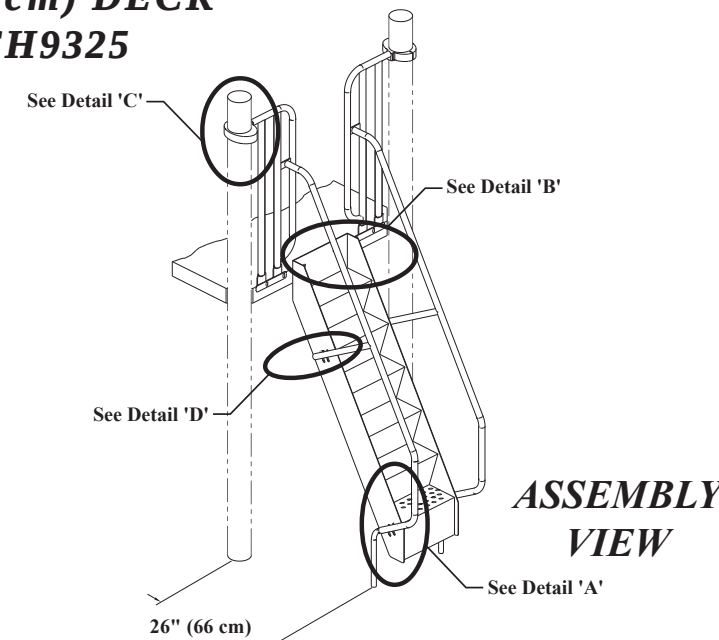
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SE2139

CHAIN NET CLIMBER

VINYL LADDER 60" (152.4 cm) DECK MODEL CH9325



DETAIL 'A'



NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

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SE2116

VINYL LADDER



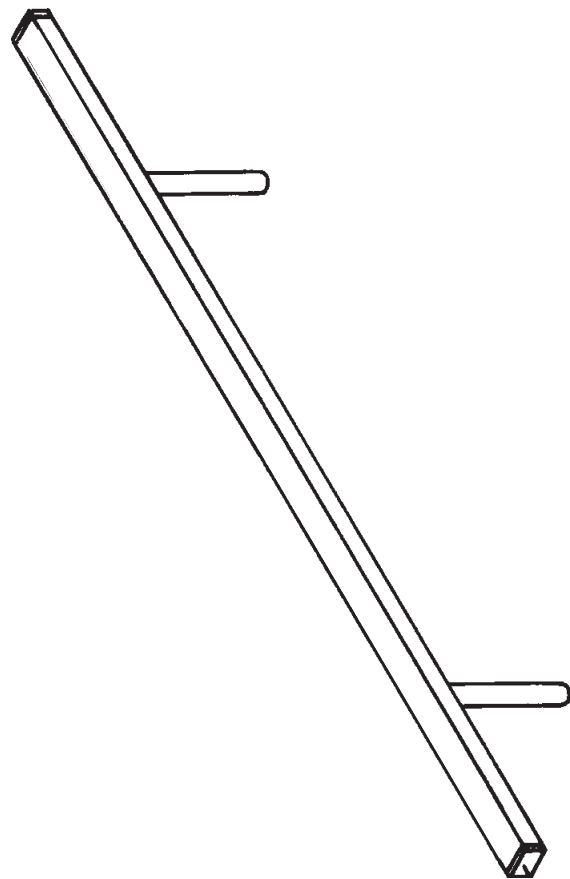
INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN6500
DURA BALANCE BEAM

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 58.5 Lbs. (26.3 Kilos)
Concrete Required: 0.11 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

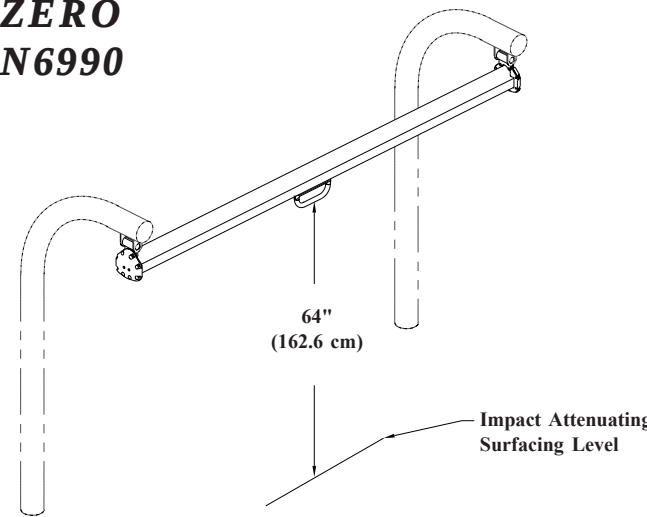
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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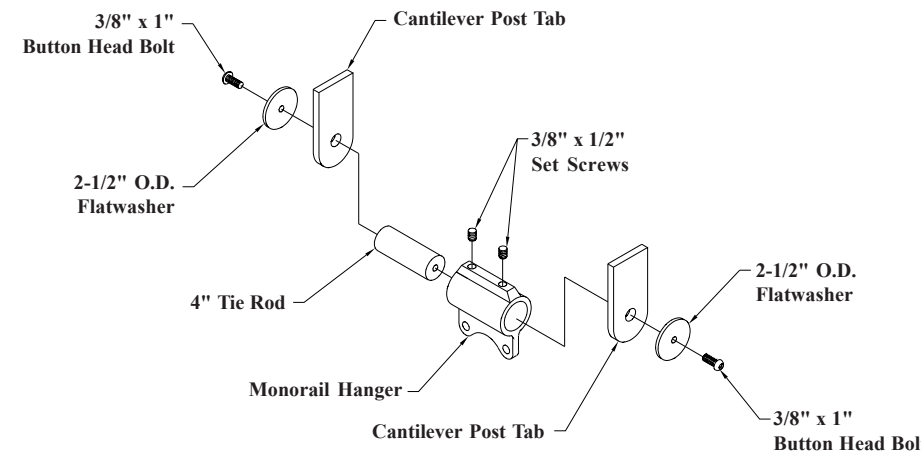


Assembly View

MONORAIL
GROUND ZERO
MODEL UN6990



ASSEMBLY VIEW



DETAIL 'A'

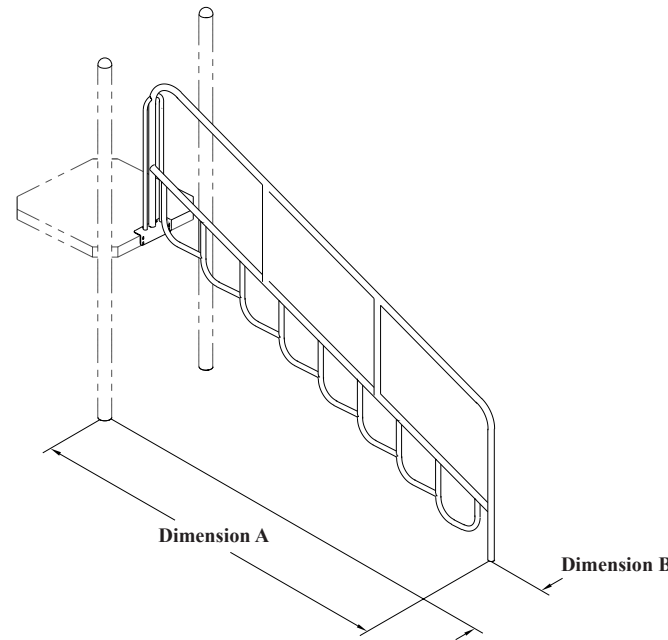


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ECN-52

GroundZero™

MOUNTAIN CLIMBER
60" (152.4 cm) DECK
MODEL UN7640



ASSEMBLY VIEW

System	Dim. A	Dim. B
Challenger	120" (304.8 cm)	18" (45.7 cm)
Playmaker	120" (304.8 cm)	24" (61 cm)
Modular Wood		
Side of Deck	117" (297.2 cm)	21" (53.3 cm)
End of Deck	123" (312.4 cm)	21" (53.3 cm)

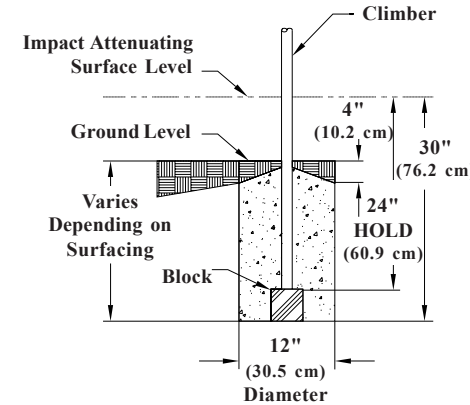


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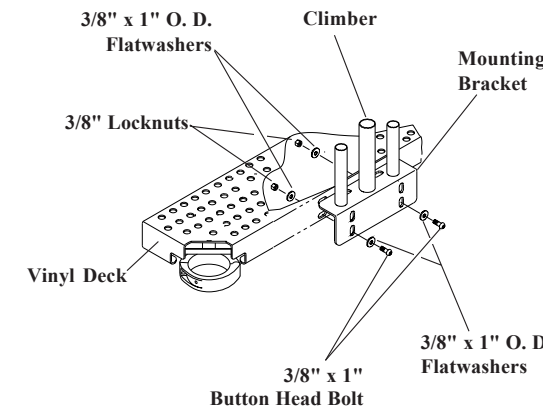
ECN-90

MOUNTAIN CLIMBER

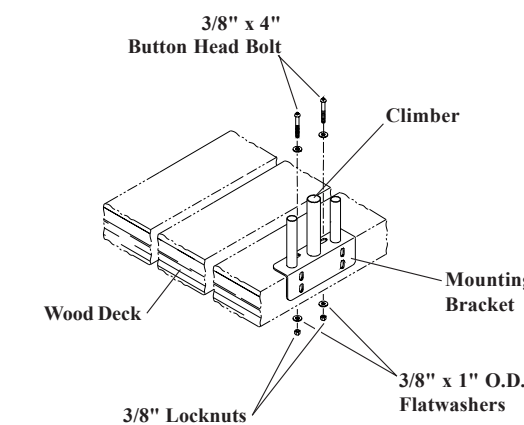
TREE CLIMBER
60" (152.4 cm) DECK
MODEL UN7670



FOOTING DETAIL



DETAIL 'A'
Vinly Deck Application Shown



DETAIL 'B'
Modular Wood Deck Application Only
PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds™

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Page 1 of 2

SE-2204

TREE CLIMBER



PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds™

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0252
8 ft. (2438 mm) 4-UNIT STANDARD SWING

Installation Preparation . . .

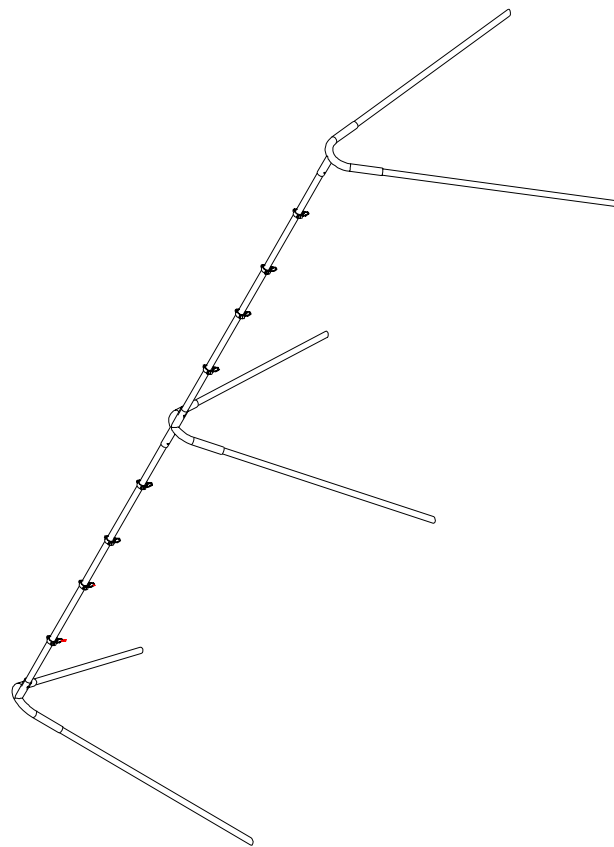
Installation Time: Approx. 4 hours
Weight: 356 Lbs. (160 Kilos)
Concrete Required: Approx. 21 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
16 ft. (4877 mm) front and back of top rail
Total: 41 ft.-9 in. (12725 mm) x 32 ft. (9754 mm)
User Group: Ages 2-12

Torque Specification:

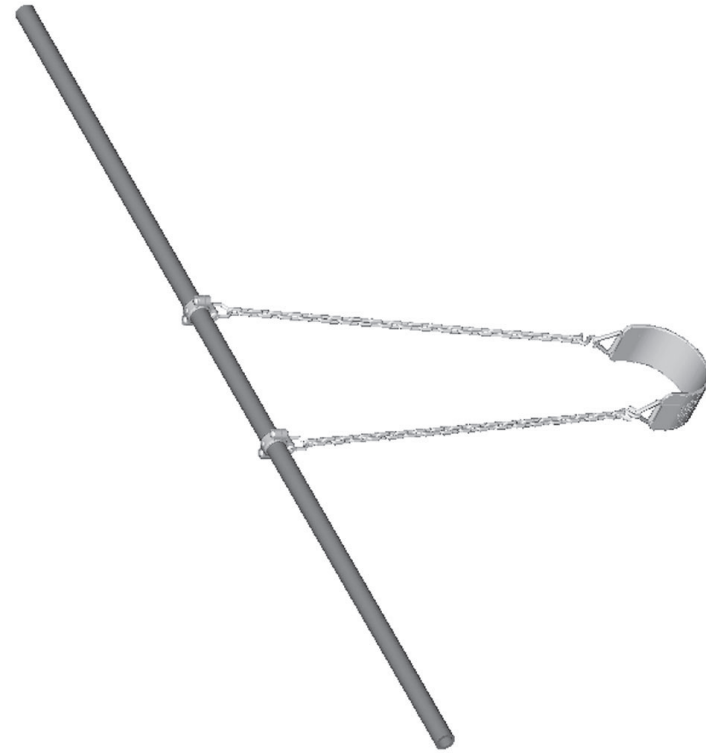
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

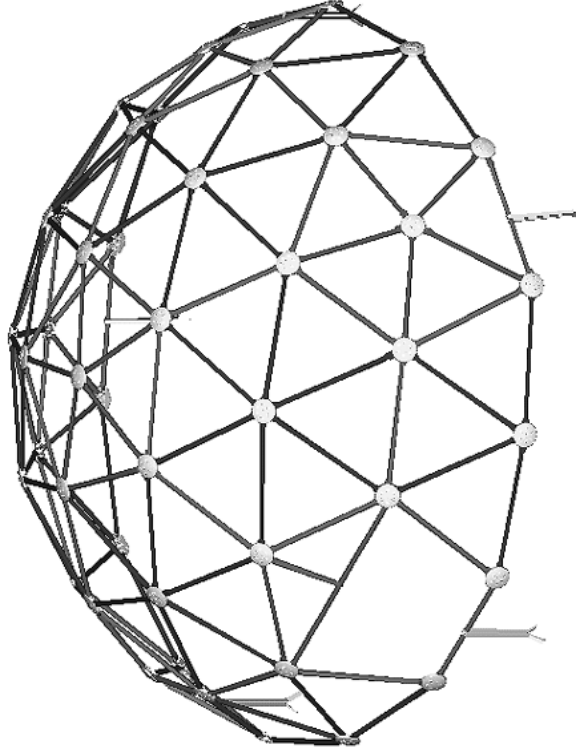


Assembly View



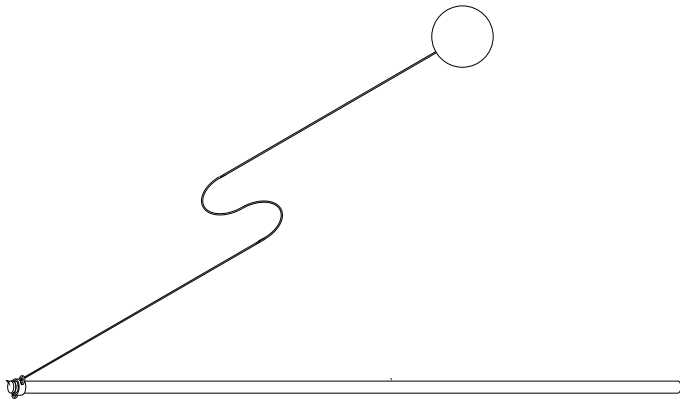
Assembly View

INSTALLATION INSTRUCTIONS PLAYWORLD SYSTEMS® MODEL XX0260 BELT SWING WITH GALVANIZED CHAIN 8 ft. (2438 mm) Top Rail Height	
Installation Preparation . . . Installation Time: Approx. 1/4 hours Weight: 6 Lbs. (3 Kilos) Use Zone: 16 ft. (4877 mm) Front and Back User Group: Ages 5 - 12 years	
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



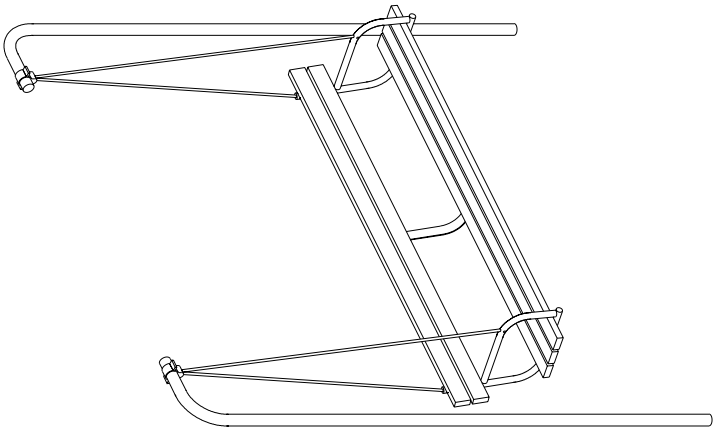
Assembly View

INSTALLATION INSTRUCTIONS PLAYWORLD SYSTEMS® MODEL XX0400 SUPER DOME	
Installation Preparation . . . Installation Time: Approx. 5 hours Weight: 400 Lbs. (180 Kilos) Concrete Required: Approx. 4 cubic feet Use Zone: 6 ft. (1829 mm) all sides User Group: Ages 5 - 12	
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS PLAYWORLD SYSTEMS® MODEL XX1079 TETHERBALL POST AND BALL	
Installation Preparation . . . Recommended Crew: Two (2) adults Installation Time: 1 man-hour Weight: 34.3 Lbs. (15.6 Kilos) Concrete Required: 0.14 cubic yard	
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	
Maintenance . . . • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

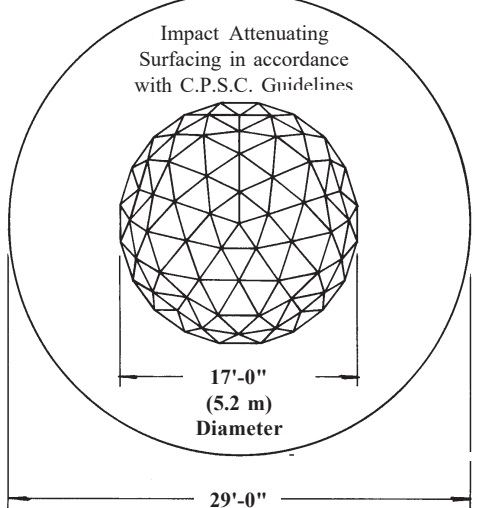
INSTALLATION INSTRUCTIONS PLAYWORLD SYSTEMS® MODEL XX1455 PIPE FRAME SWINGING BENCH	
Installation Preparation . . . Recommended Crew: Two (2) adults Installation Time: 3 man-hours Weight: 130 Lbs. (58.5 Kilos) Concrete Required: .26 cubic yard Use Zone: 6 ft. (1829 mm) all sides Total: 21 ft. (6401 mm) x 32-1/2 ft. (9906 mm)	
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



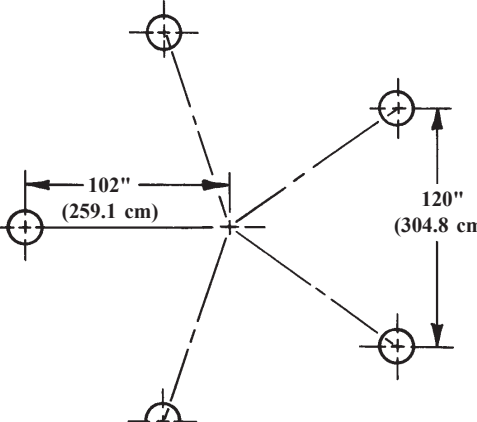
PLAYWORLD SYSTEMS

SUPER DOME CLIMBER

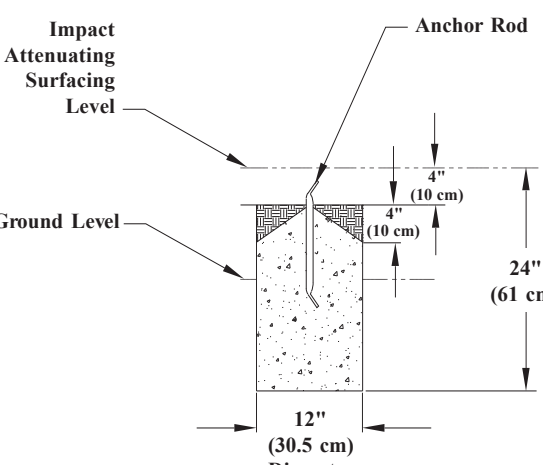
MODEL 0388



PLAN VIEW



FOOTING DIAGRAM



FOOTING DETAIL

FOOTING NOTES:

A. If play unit is installed on uneven terrain, maintain support post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Support posts and all attaching decks and play components must be plumb and level.

B. Footing size may vary due to local soil and weather conditions.

C. Base of footing must be below frost line.

D. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).



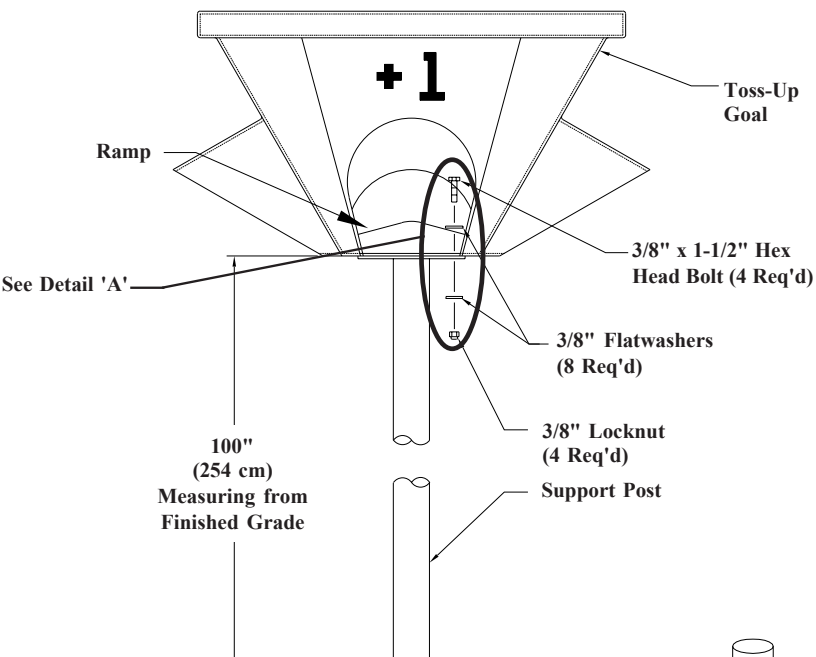
NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

Page 3 of 10 SE-2156

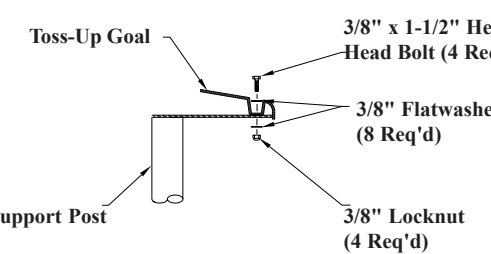
TOSS-UP

TOSS-UP

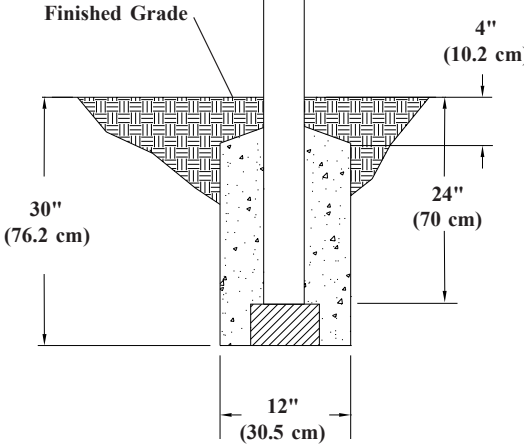
MODEL 1050



ASSEMBLY VIEW



DETAIL 'A'



FOOTING DETAIL

TOSS-UP



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Page 1 of 2 SE1712

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0028

136 in. (3454 mm) STEEL SUPPORT POST WITH CAP

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 0.5 man-hour

Weight: 43.5 Lbs. (19.8 Kilos)

Concrete Required: 0.13 cubic yard

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Model CH0028

ECN-343

Page 1 of 4

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0038GZ

GROUNDZERO® 148 in. (3759 mm) STEEL SUPPORT POST WITH CAP

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 1 man-hour

Weight: 47 Lbs. (21.2 Kilos)

Concrete Required: 0.18 cubic yard

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

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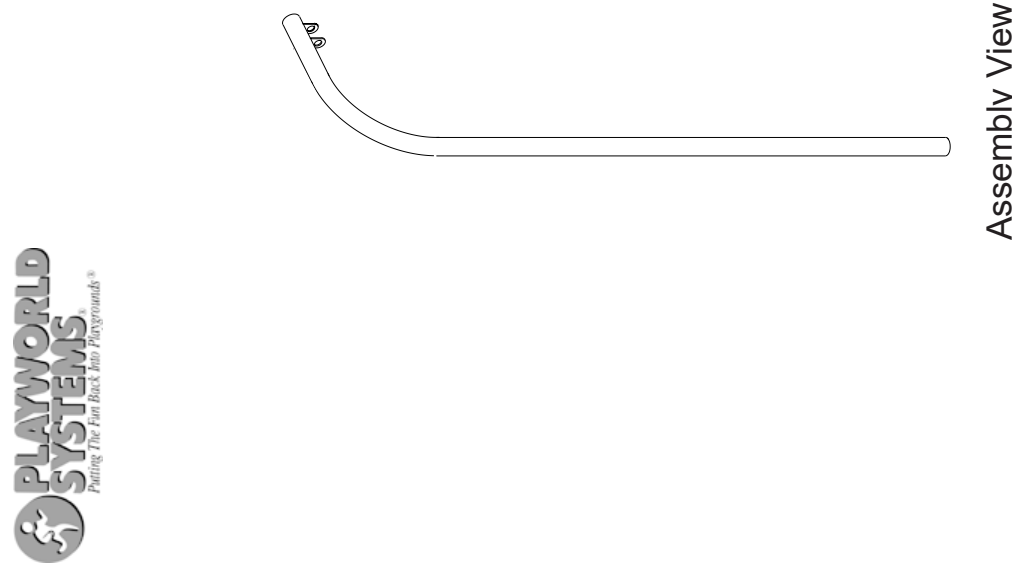


Model CH0038GZ

ECN-343

Page 1 of 4

Page 221 metcalfe



INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH1850

CANTILEVER POST

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 1 man-hour

Weight: 78.2 Lbs. (35.2 Kilos)

Concrete Required: .18 cubic yards

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

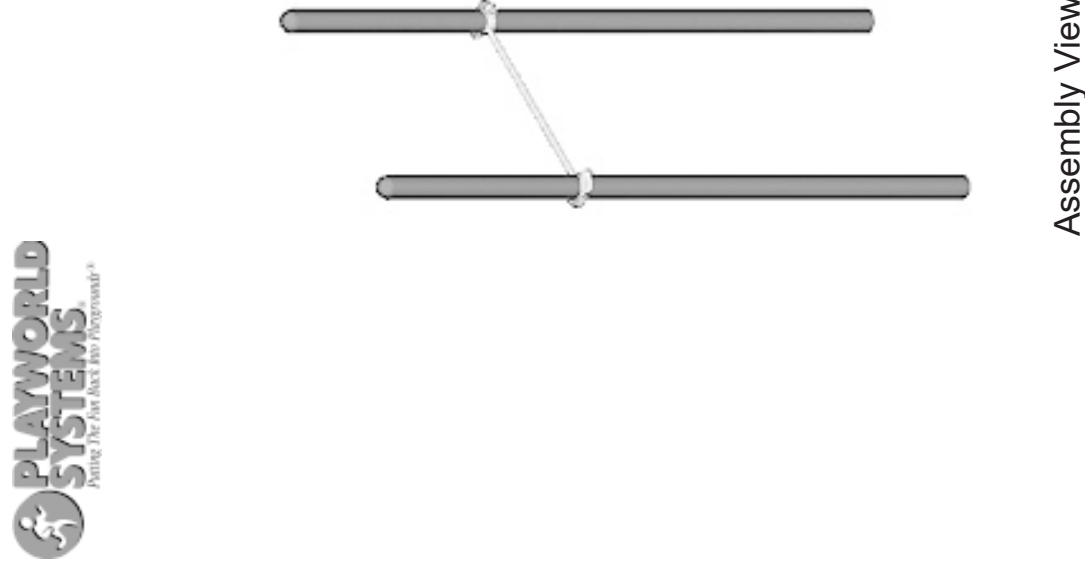
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Model CH1850

ECN-343

Page 1 of 5



INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH5736

CHINNING / TURNING BAR

Installation Preparation . . .

Recommended Crew: One (1) adult

Installation Time: .5 man-hour

Weight: 5.9 Lbs. (2.7 Kilos)

Use Zone: 72 in. (1829 mm) all sides

User Group: Ages 6 and up

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

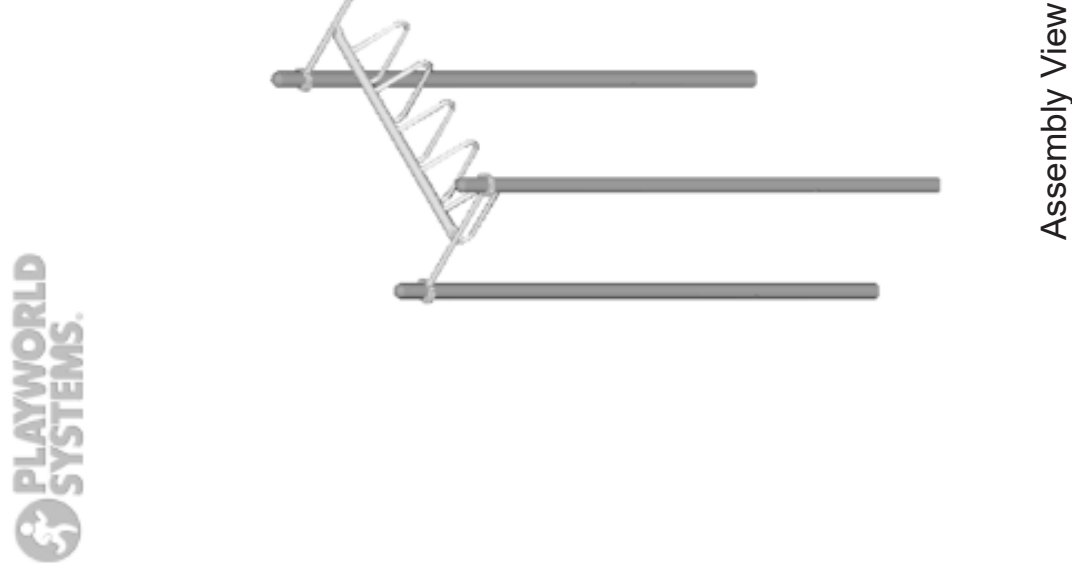
Maintenance . . .

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Model CH5736

ECN-817

Page 1 of 5



INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH5780

6 ft. (1829 mm) HORIZONTAL LOOP LADDER

Installation Preparation . . .

Recommended Crew: Three (3) adults

Installation Time: 1 man-hour

Weight: 55.7 Lbs. (25.3 Kilos)

Use Zone: 72 in. (1829 mm) all sides

User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

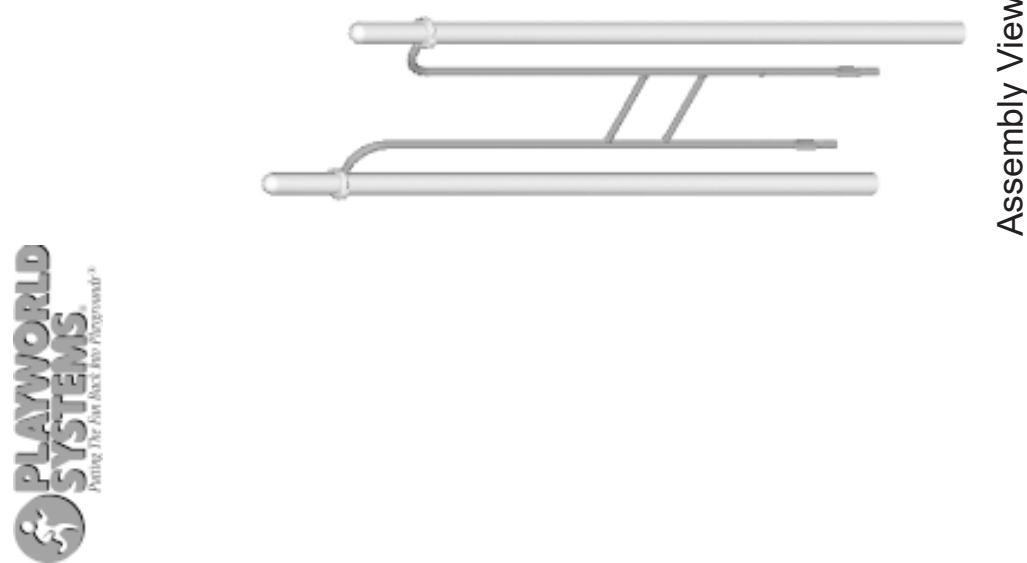
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model CH5780

ECN-602

Page 1 of 5



INSTALLATION INSTRUCTIONS

CHALLENGERS™

MODEL CH5960

OVERHEAD EVENT ACCESS LADDER

(2) Rungs

Installation Preparation . . .

Recommended Crew: One (1) adult

Installation Time: Approx. 1-1/2 hour

Weight: 26 Lbs. (12 Kilos)

Concrete Required: Approx. .06 cubic yard

Use Zone: 6 ft. (1829 mm) all sides

User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

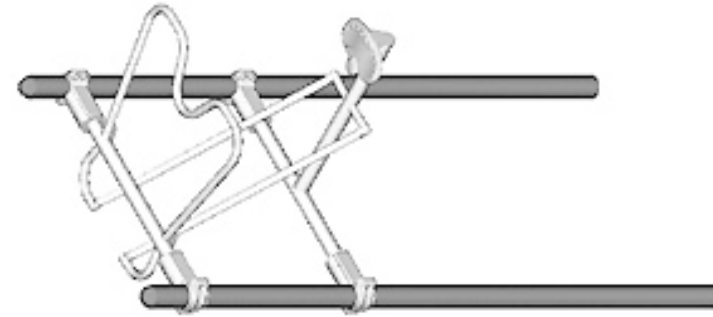
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model CH5960

ECN-605

Page 1 of 5



Assembly View



INSTALLATION INSTRUCTIONS

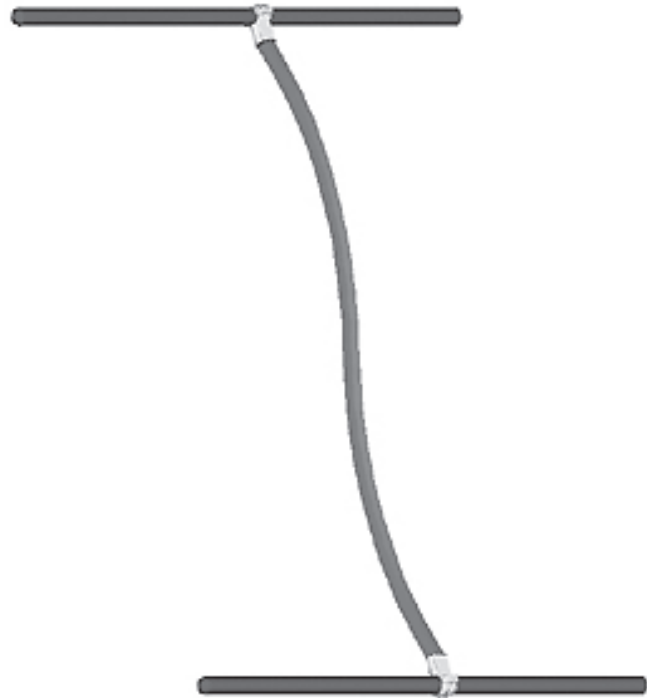
CHALLENGERS®
MODEL CH6608
LIFT-ME-UP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 94 Lbs. (42.7 Kilos)
Use Zone: 84 in. (2134 mm) behind seat
72 in. (1829 mm) other sides
User Group: Ages 5 - 12 years

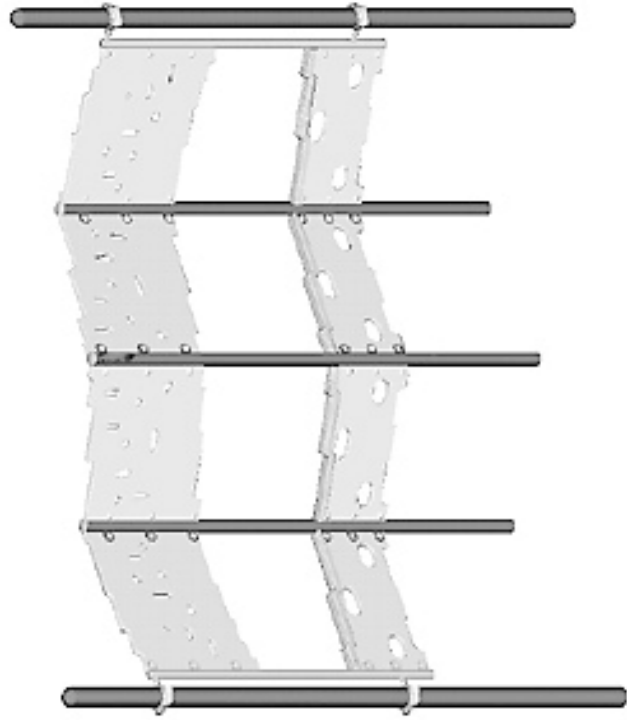
Torque Specification:
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Assembly View



Assembly View



INSTALLATION INSTRUCTIONS

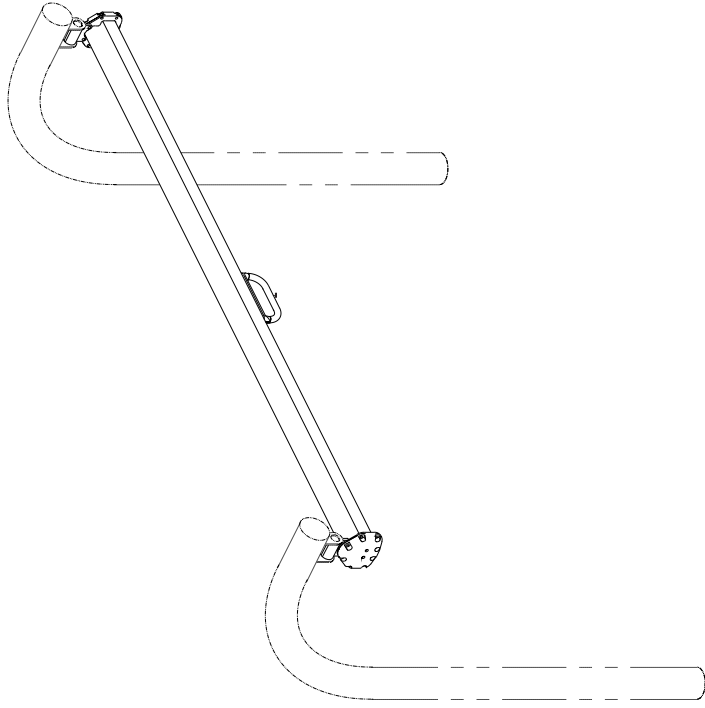
CHALLENGERS®
MODEL CH6970
CLIMB ACROSS

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 3.5 man-hours
Weight: 232.7 Lbs. (105.8 Kilos)
Concrete Required: .09 cubic yard
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

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Assembly View



INSTALLATION INSTRUCTIONS

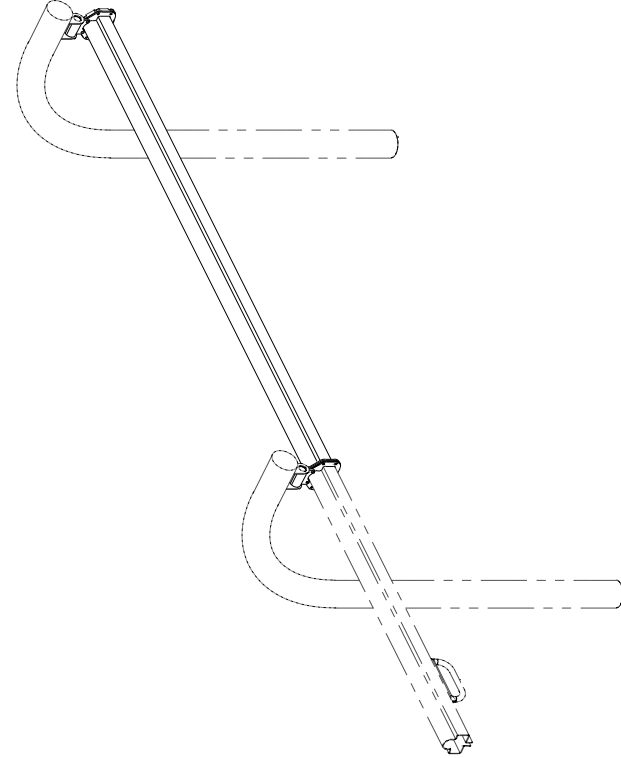
UNIVERSAL
MODEL UN6990
MONORAIL

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 59.9 Lbs. (27 Kilos)
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View



Page 1 of 5

INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN7000
MONORAIL EXTENSION

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 1 hour
Weight: 42 Lbs. (19.1 Kilos)
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
 - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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WARNING
INSTALLATION OVER
A HARD SURFACE
SUCH AS CONCRETE,
ASPHALT, OR PACKED
EARTH MAY RESULT
IN SERIOUS INJURY
OR DEATH FROM
FALLS.

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www.playworldsystems.com

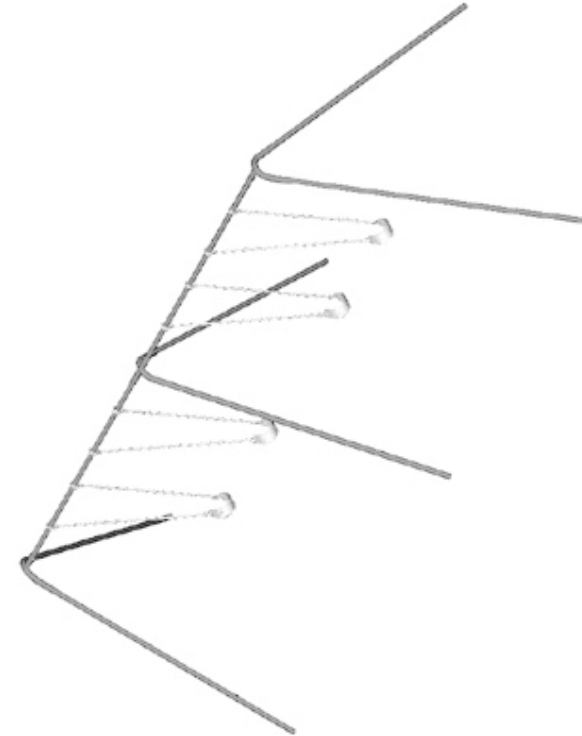
INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN9910
SURFACING WARNING LABEL

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 15 to 20 minutes

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Page 1 of 2



Assembly View

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0231
10 ft. (3048 mm) STANDARD DUTY SWING
ADD-A-BAY

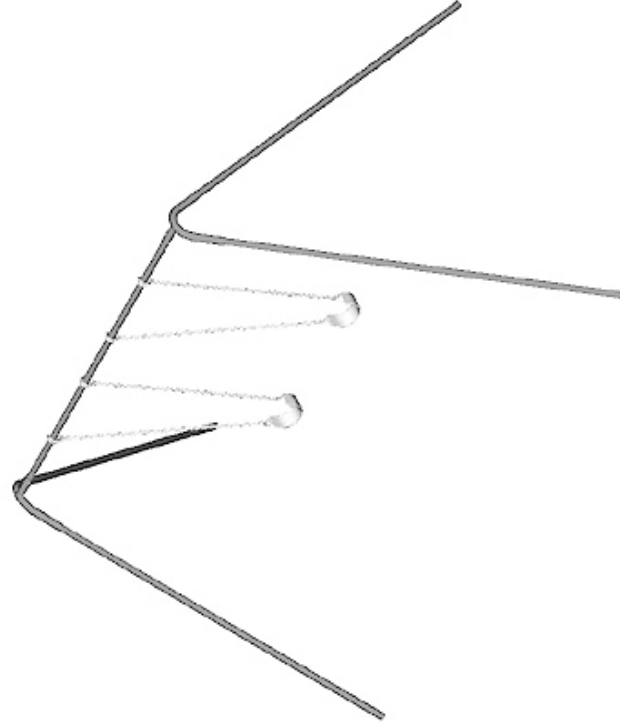
Installation Preparation . . .
Recommended Crew: Three (3) adults
Installation Time: 1.5 man-hours
Weight: 148.7 Lbs. (67.6 Kilos)
Concrete Required: 0.26 cubic yard
Use Zone: See page 1 for Swing Use Zone information.
User Group: Ages 2-12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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 - As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Page 5 of 14



Assembly View

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0249
10 ft. (3048 mm) 2-UNIT STANDARD SWING

Installation Preparation . . .
Recommended Crew: Three (3) adults
Installation Time: 3 man-hours
Weight: 237.8 Lbs. (108.1 Kilos)
Concrete Required: 0.52 cubic yard
Use Zone: See page 1 for Swing Use Zone information.
User Group: Ages 2-12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
 - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Page 5 of 14



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0261

BELT SWING WITH GALVANIZED CHAIN
10 ft. (3048 mm) Top Rail Height

Installation Preparation . . .

Recommended Crew: One (1) adult
Installation Time: .25 hour
Weight: 9.5 lbs. (4.3 Kilos)
Use Zone: 40 ft. (12192 mm) Total Front and Back
User Group: Ages 5 and up

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn..

Maintenance . . .

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Model XX0261

ECN-849

PLAYWORLD SYSTEMS®

The world needs play.™



Assembly View

Refer to the Elevation View for the specific Critical Fall Height for the component.

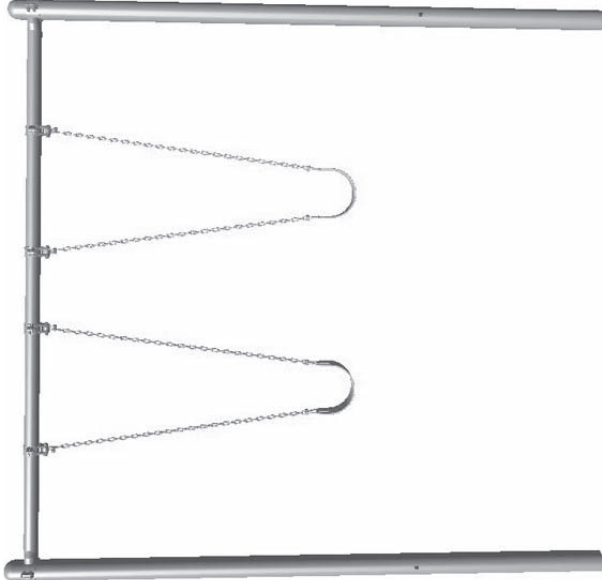
Model Number	Weight	Top Rail Height
ZZXX0324	10.9 Lbs. (4.9 Kilos)	7 ft. (2134 mm)
ZZXX0260	8.3 Lbs. (3.8 Kilos)	8 ft. (2440 mm)
ZZXX0261	9.5 Lbs. (4.3 Kilos)	10 ft. (3050 mm)

Models XX0260, XX0261, & XX0324
ECN 1836



PLAYWORLD SYSTEMS®

The world needs play.™



Assembly View (representative structure)

Installation Instructions

Playworld Systems® Model XX0295

Single Post Swing Assembly

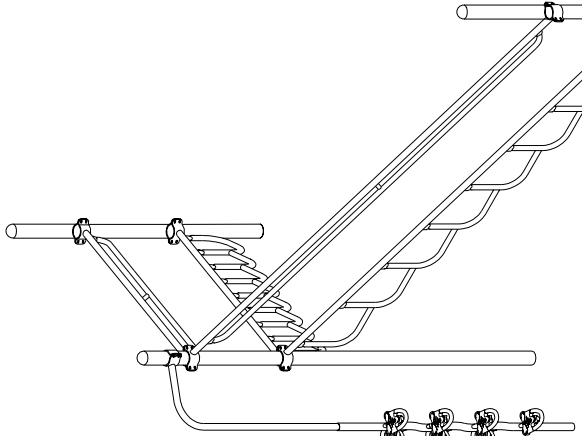
8 ft. (2438 mm)

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 2 installation hours
Weight: 264.6 Lbs. (120.3 Kilos)
Concrete Required: 0.36 cubic yard (0.28 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 1.5-12, EN: 2-14

ICON KEY	
	Fully Tighten Hardware
	Do Not Fully Tighten Hardware
	Drill
	Hammer
	Add 1 Drop of Thread Locking Adhesive
	Pour Concrete
	Dig Filling Holes
	Critical Fall Height

Model ZZXX0295
ECN 815



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0397

FREE STANDING PIKES PEAK

Installation Preparation . . .
Installation Time: Approx. 4 hours
Weight: 308 Lbs. (139 Kilos)
Concrete Required: Approx. 11 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

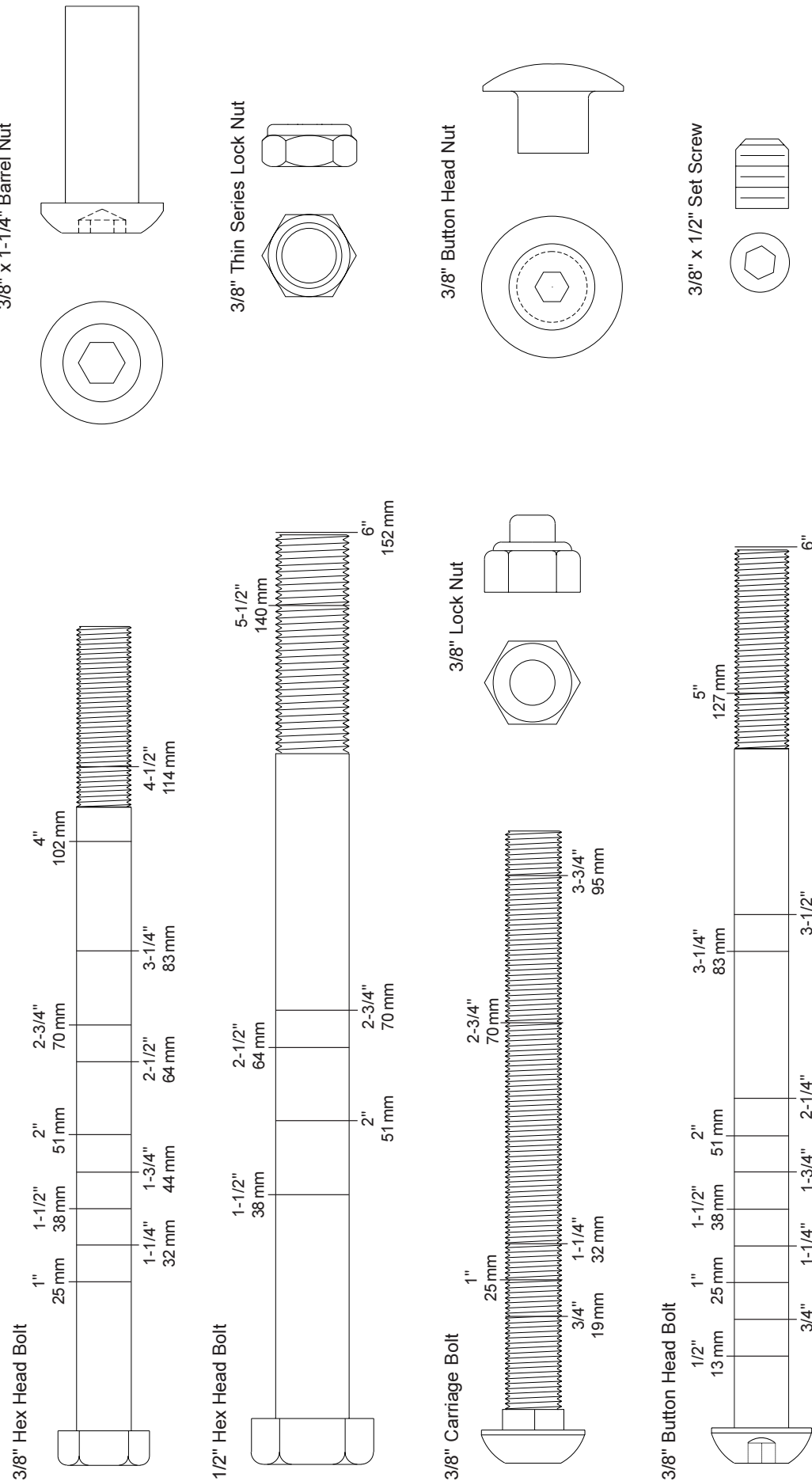
Model XX0397
ECN-343



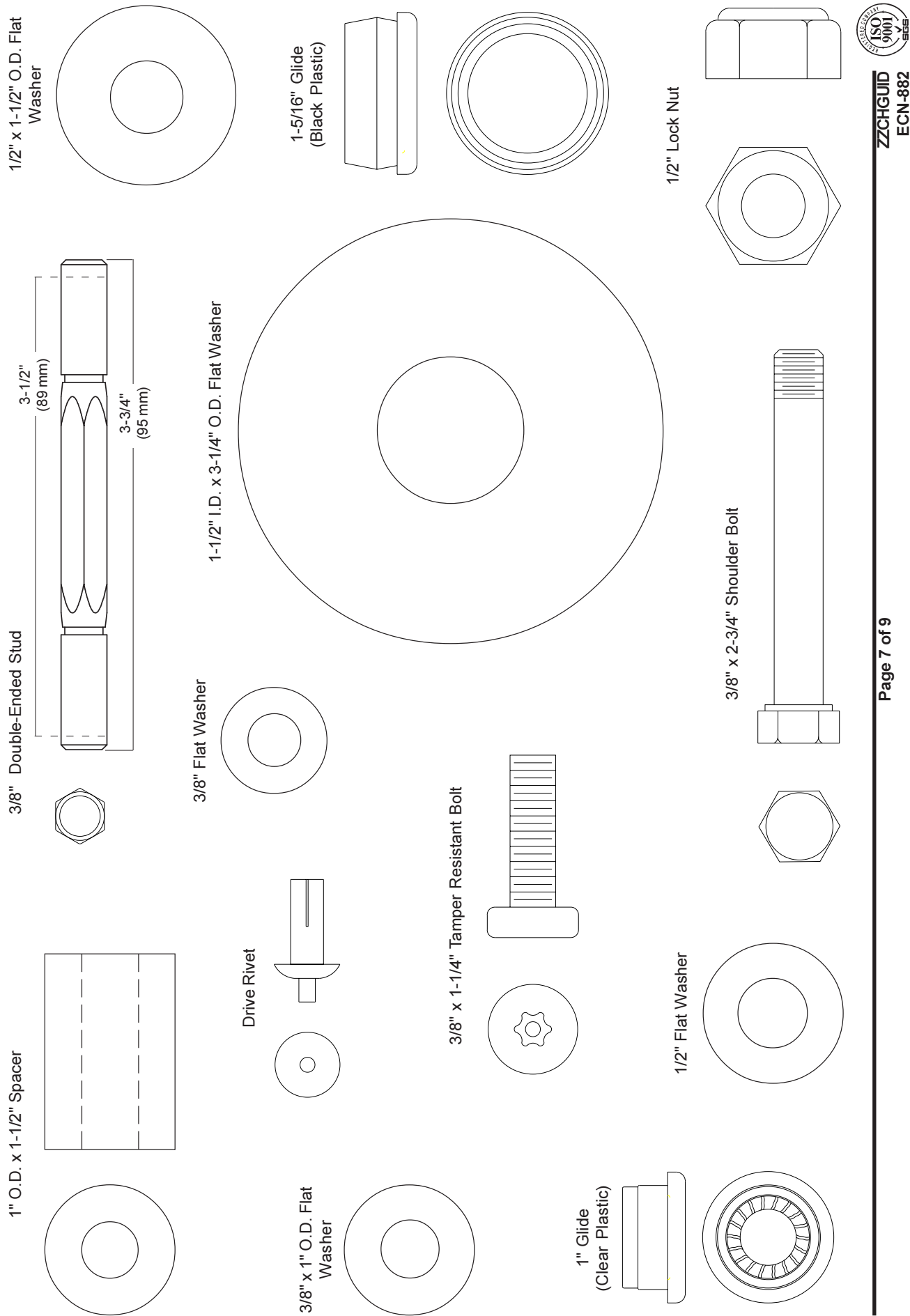
HARDWARE

The following are full scale drawings of the hardware commonly used in structure assembly.

During installation, use these drawings as a quick reference.



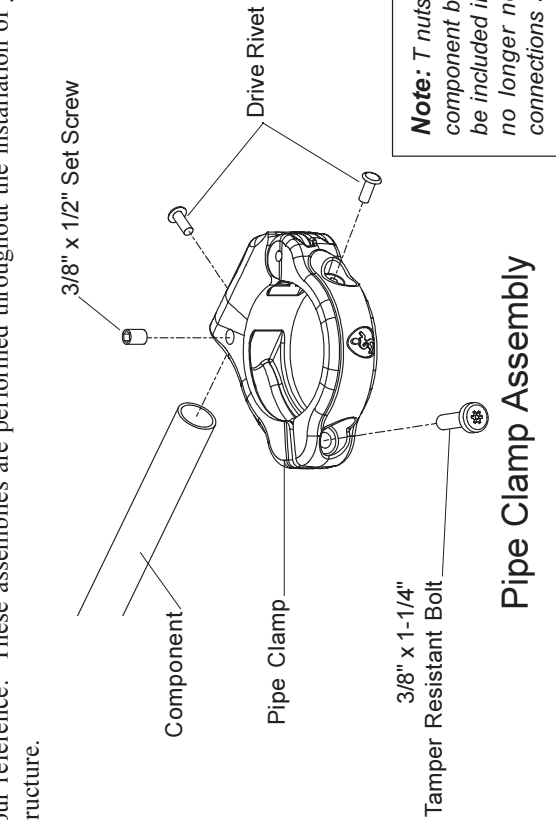
INSTALLATION INSTRUCTIONS



CHALLENGERS- CLAMP ASSEMBLIES

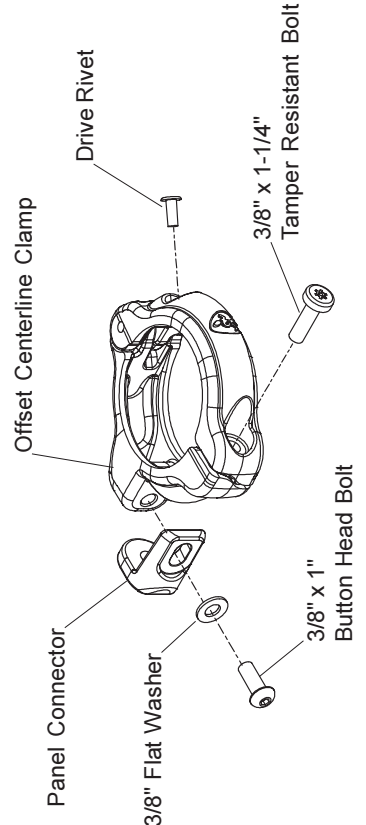
We have provided the following typical assembly drawings of the Challengers clamps for your reference. These assemblies are performed throughout the installation of your structure.

INSTALLATION INSTRUCTIONS

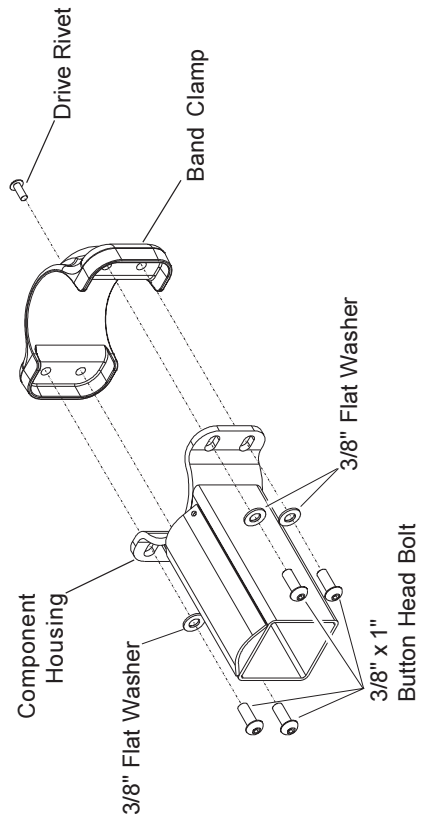


Note: *T nuts may have been listed in the component bill of materials. They will not be included in your shipment, as they are no longer needed to make the clamp connections shown.*

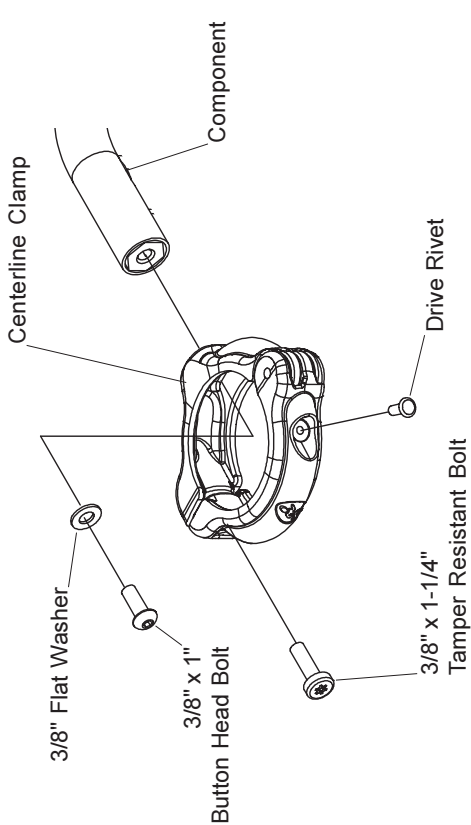
Pipe Clamp Assembly



Centerline Clamp Assemblies



Band Clamp Assembly



GRAY'S WOODS ELEMENTARY



CHALLENGER

Play Structure: 021457B

Ref.	Part No.	Description	Qty.
1	ZZCH0018	3-1/2" x 124" Steel Post w/ Riveted Cap	3
2	ZZCH0028	3-1/2" x 136" Steel Post w/ Riveted Cap	5
3	ZZCH0048	3-1/2" x 160" Steel Post w/ Riveted Cap	6
4	ZZCH0068	3-1/2" x 184" Steel Post w/ Riveted Cap	2
5	ZZCH0009GZ	3-1/2" x 112" GroundZerO Post	1
6	ZZCH0038GZ	3-1/2" x 148" Steel GroundZerO Post w/Riveted Cap	1
7	ZZCH0617	Triangular Vinyl Deck Assembly	1
8	ZZCH0618	1/2 Hex Vinyl Deck Assembly	2
9	ZZCH2026	Transfer Station (36" Deck)	1
10	ZZUN2019	Approach Step For Transfer Station	1
11	ZZCH2736	1-Piece 360° Plastic Spiral Slide	1
12	ZZCH2758	Lightning Slide (72" Deck)	1
13	ZZCH3520	Lightning Wide Slide (36" Deck)	1
14	ZZCH4366	Eagle's Perch	1
15	ZZCH4646	Storefront Panel	1
16	ZZCH4920	Oval Bubble Panel	1
17	ZZUN4280	Telescope (Pipe Wall Mount)	1
18	ZZUN4340	Steering Wheel (Oval Panel Mount)	1
19	ZZCH5190	Crawl Thru Panel (Ground Level)	1
20	ZZCH7220	Chain Net Climber (36" Deck)	1
21	ZZCH7430	Deep Rung Arch Climber (72" Deck)	1
22	ZZCH5807	10' Wave Ladder	1
23	ZZCH5970	Overhead Event Access Ladder (36")	1
24	ZZCH6886	Shorty Sky Rocker	1
25	ZZCH6850	U-Bounce	1
26	ZZCH6860	Challenge Walk	1
27	ZZCH7080	6' Catwalk	1
28	ZZCH9177	36" Accessible Tiered Platform (Deck to Deck)	1
29	ZZCHGUID	General Guidelines for Challengers	1
30	ZZUN9910	Surfacing Warning Label Kit	1
31	ZZUN9930	Maintenance Kit	1
32	ZZUN9990	Tool and Additional Parts Kit w/ Aerosol	1

This modular unit contains 17 active play components that will accommodate approximately 57 users and take approximately 67.6 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 3.05 yards of concrete for footings.

PLAYWORLD
SYSTEMS[®]

Putting The Fun Back Into Playgrounds™

LILY PODS

CHALLENGER

Play Structure: 020281

Ref.	Part No.	Description	Qty.
1	ZZCH0028	3-1/2" x 136" Steel Post w/ Riveted Cap	4
2	ZZCH6606	Lily Pods (12" or 24" Deck to Deck)	1
3	ZZCHGUID	General Guidelines for Challengers	1
4	ZZUN9910	Surfacing Warning Label Kit	1
5	ZZUN9930	Maintenance Kit	1
6	ZZUN9990	Tool and Additional Parts Kit w/ Aerosol	1

This modular unit contains 01 active play components that will accommodate approximately 3 users and take approximately 9.4 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 0.75 yards of concrete for footings.

2002 CHALLENGERS

Notes:

- 1) This play system design will meet the ADA Accessibility Guidelines for Buildings and Facilities, effective November 17, 2000, as published by the Americans with Disabilities Act.
- 2) Kick plates are to be installed between all 12" deck increments.
- 3) The height of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of at least 8'.
- 4) The approximate surfacing area is 1000 sq. ft. requiring protective surfacing for an overall fallzone of 52' X 40'.
- 5) The approximate surface area is 1000 sq. ft. The approximate surface area is 1000 sq. ft.
- 6) This design configuration is the property of this firm and Playworld Systems and may not be reproduced or used in any manner without the expressed written consent of this firm and Playworld Systems.

PLAYWORLD SYSTEMS[®]
Putting The Fun Back Into Playgrounds™

GRAY'S WOODS ELEMENTARY SCHOOL
STATE COLLEGE, PA

ELY ASSOCIATES
P.O. Box 396
Carlisle, PA
17013

STRUCTURE SIZE:
39' X 27' X 13'

PLAN VIEW

SCALE:
3/16" = 1'-0"

0214576.ELY

DATE:
09-MAY-02

DRAWN BY:
SETH HUNTER

2002 CHALLENGERS

Notes:

- 1) This play system design will meet the ADA Accessibility Guidelines for Buildings and Facilities, effective November 17, 2000, as published by the Americans with Disabilities Act.
- 2) Kick plates are to be installed between all 12" deck increments.
- 3) The height of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of at least 8'.
- 4) The approximate surfacing area is 1000 sq. ft. requiring protective surfacing for an overall fallzone of 52' X 40'.
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SCALE:
3/16" = 1'-0"

0214576.ELY

DATE:
09-MAY-02

DRAWN BY:
SETH HUNTER

INSTALLATION INSTRUCTIONS

CHALLENGERS[®]

MODEL CH0009GZ

GROUNDZERO[®] 112 in. (2845 mm)

STEEL SUPPORT POST WITH CAP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 35.1 Lbs. (16Kilos)
Concrete Required: 0.18 cubic yard

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Assembly View

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Page 1 of 4

Model CH0009GZ
ECN-343

Page 233 metcalfe



Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0018

124 in. (3150 mm) STEEL SUPPORT POST WITH CAP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 0.5 man-hour
Weight: 38.9 Lbs. (17.5 Kilos)
Concrete Required: 0.13 cubic yard

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0028

136 in. (3454 mm) STEEL SUPPORT POST WITH CAP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 0.5 man-hour
Weight: 43.5 Lbs. (19.8 Kilos)
Concrete Required: 0.13 cubic yard

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0038GZ

GROUNDZERO® 148 in. (3759 mm)

STEEL SUPPORT POST WITH CAP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 47 Lbs. (21.2 Kilos)
Concrete Required: 0.18 cubic yard

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

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- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH0048

160 in. (4064 mm) STEEL SUPPORT POST WITH CAP

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hours
Weight: 50.2 Lbs. (22.8 Kilos)
Concrete Required: 0.1 cubic yards

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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INSTALLATION INSTRUCTIONS

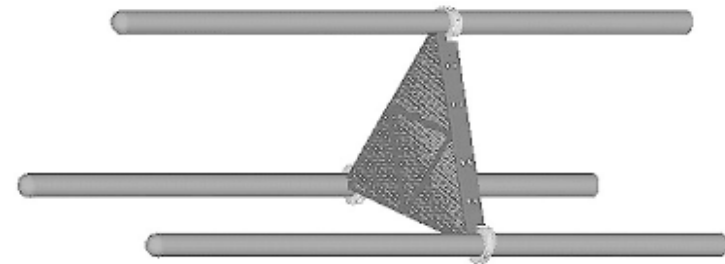
CHALLENGERS®
MODEL CH0068

STEEL SUPPORT POSTS
184 in. (4674 mm) with Cap



Assembly View

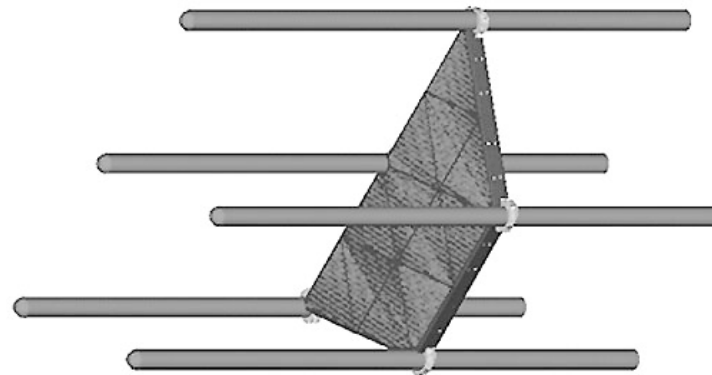
Installation Preparation . . . Installation Time: Approx. 1 hour Weight: 60 Lbs. (27 Kilos) Concrete Required: Approx. 3.4 cubic feet Use Zone: 6 ft. (1829 mm) all sides
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

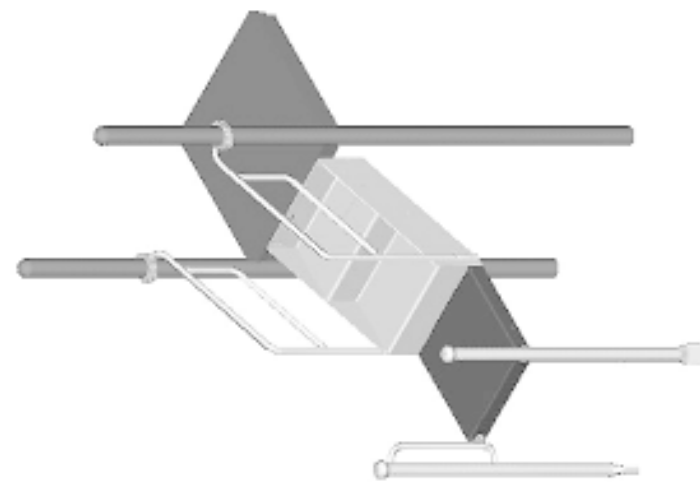
Installation Preparation . . . Recommended Crew: Two (2) adults Installation Time: 1 man-hour Weight: 38.4 Lbs. (17.5 Kilos) Use Zone: 6 ft. (1829 mm) all sides User Group: Ages 2 - 12 years	Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.
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Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.
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Assembly View

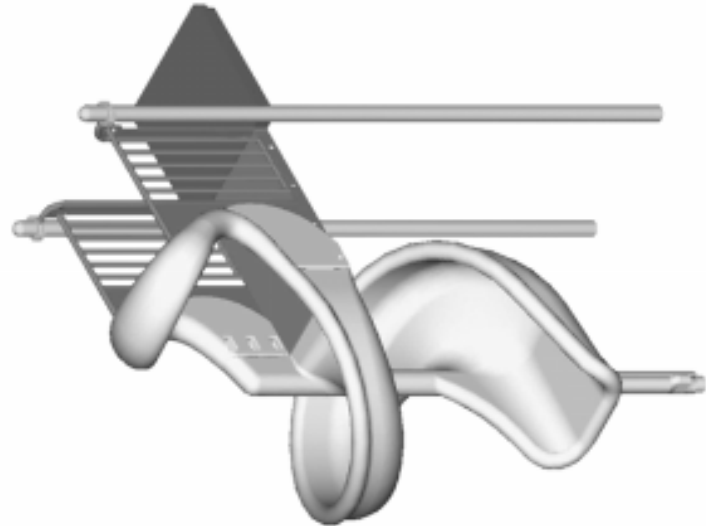
Installation Preparation . . . Recommended Crew: Three (3) adults Installation Time: 1.5 man-hours Weight: 95.7 Lbs. (43.2 Kilos) Use Zone: 6 ft. (1829 mm) all sides User Group: Ages 2 - 12 years	
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

Installation Preparation . . . Recommended Crew: Two (2) adults Installation Time: 2 man-hours Weight: 167.3 lbs. (75.3 Kilos) Concrete Required: 0.09 cubic yards Use Zone: 6 ft. (1829 mm) all sides User Group: Ages 2 - 12 years	Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.	Maintenance . . . • PlayDesigns strongly recommends the use of protective surfacing within the zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • PlayDesigns strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.
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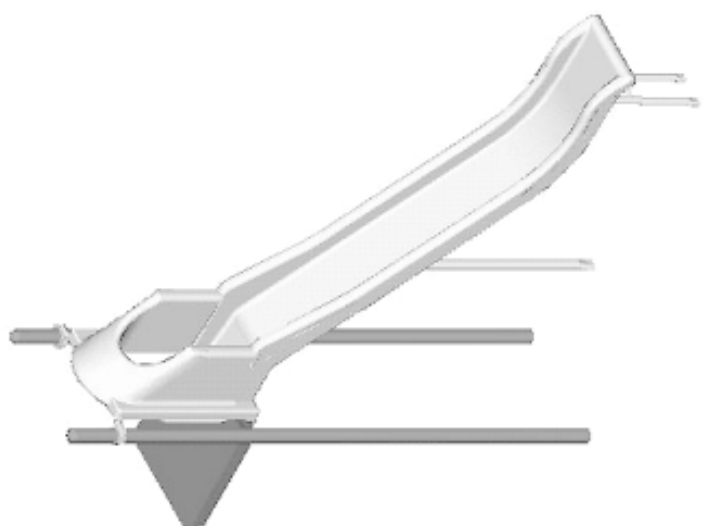




Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH2736
ONE PIECE 360° PLASTIC SPIRAL SLIDE

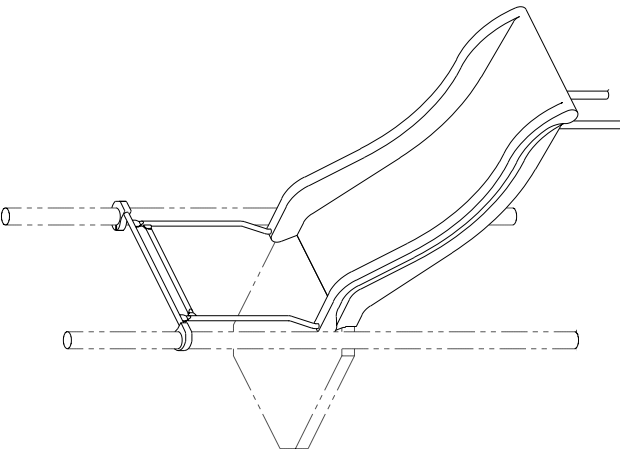
Installation Preparation . . .	
Recommended Crew:	Four (4) adults
Installation Time:	6 man-hours
Weight:	584.3 Lbs. (262.9 Kilos)
Concrete Required:	0.2 cubic yards
Use Zone:	6 ft. (1829 mm) in front of slide exit 6 ft. (1829 mm) all other sides
User Group:	Ages 2 - 12 years
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. - As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH2758
72 in. (1829 mm) LIGHTNING SLIDE

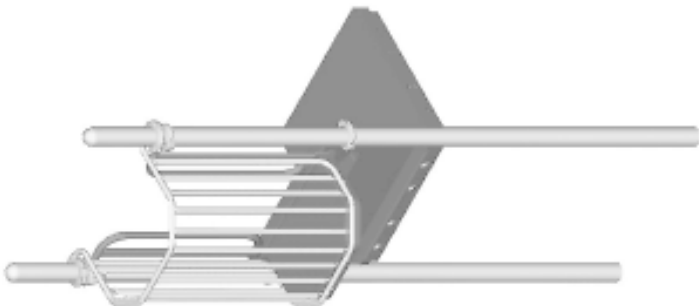
Installation Preparation . . .	
Recommended Crew:	Three (3) adults
Installation Time:	Approx. 2 man-hours
Weight:	173 Lbs. (78 Kilos)
Concrete Required:	Approx. .09 cubic yard
Use Zone:	10 ft. (3048 mm) in front of slide exit 6 ft. (1829 mm) all other sides
User Group:	Ages 2 - 12 years
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. - As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH3520
36 in. (914 mm) LIGHTNING WIDE SLIDE

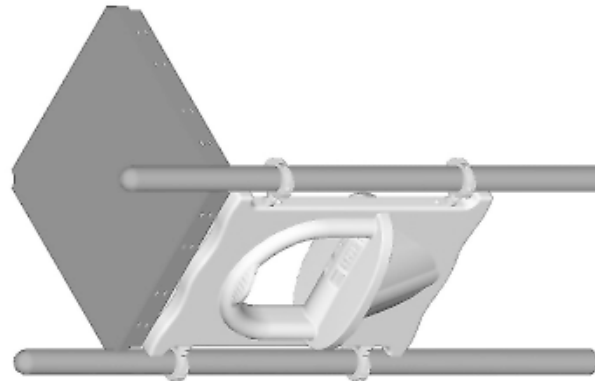
Installation Preparation . . .	
Installation Time:	Approx. 2 hours
Weight:	77 Lbs. (35 Kilos)
Concrete Required:	Approx. 2 cubic feet
Use Zone:	6 ft. (1829 mm) all sides 7 ft. (2140 mm) in front of slide exit
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. - As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH4366
EAGLE'S PERCH

Installation Preparation . . .	
Recommended Crew:	Three (3) adults
Installation Time:	1.5 man-hours
Weight:	147.1 Lbs. (66.2 Kilos)
Use Zone:	6 ft. (1829 mm) all sides
User Group:	Ages 2 - 12 years
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. - As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH4646
STOREFRONT PANEL

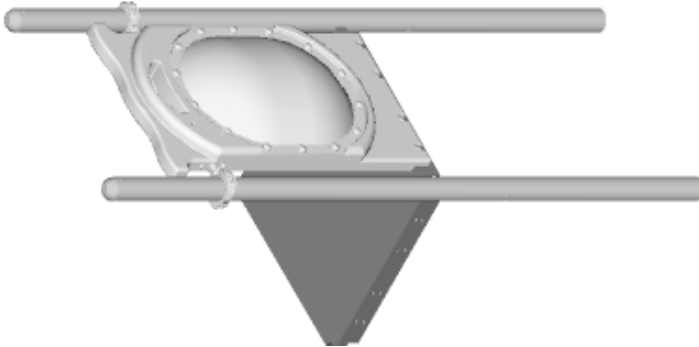
Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 34 Lbs. (15.3 Kilos)
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 5 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model CH4646
PA-768

Page 1 of 5



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS™
MODEL CH4920
DECK MOUNT OVAL BUBBLE PANEL

Installation Preparation . . .
Recommended Crew: One (1) Adult
Installation Time: 1 hour
Weight: 39.8 Lbs. (17.9 Kilos)

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Model CH4920
PA-565

Page 1 of 5



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS™
MODEL CH5190
OVAL CRAWL THRU PANEL

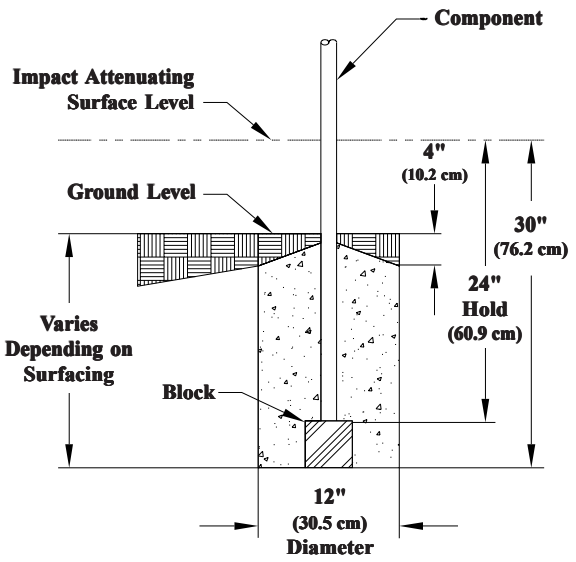
Installation Preparation . . .
Recommended Crew: One (1) Adult
Installation Time: 0.5 hour
Weight: 25.6 Lbs. (11.5 Kilos)

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

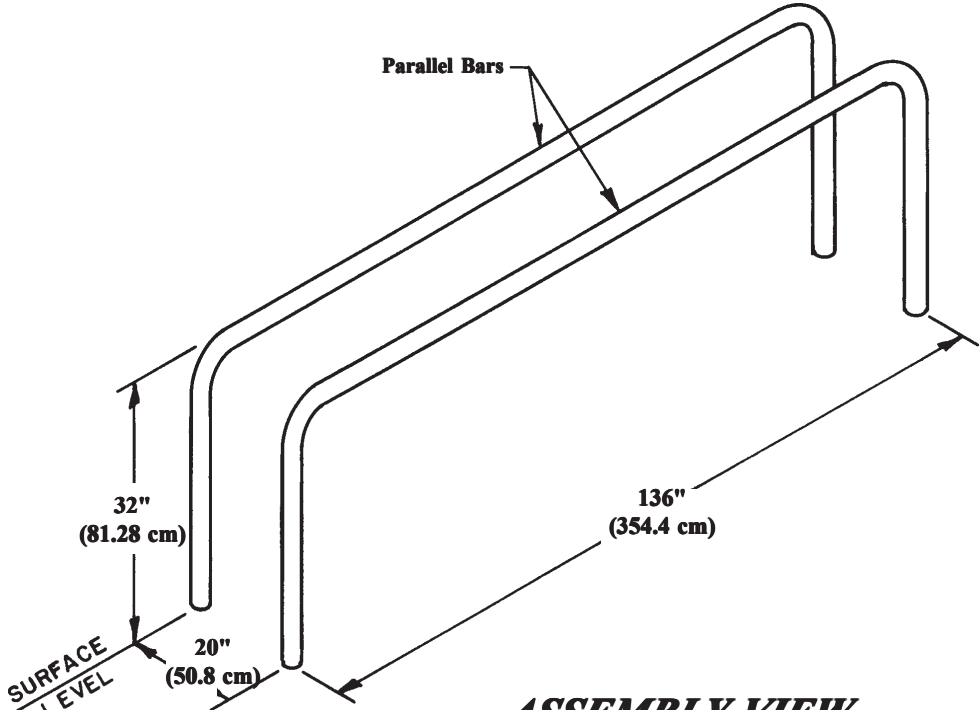
Maintenance . . .
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Model CH5190
PA-565

Page 1 of 5



FOOTING DETAIL

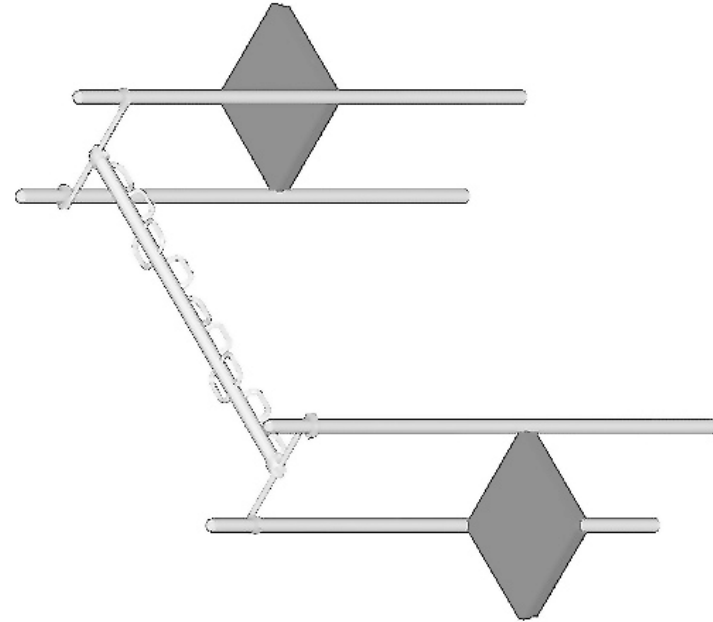


ASSEMBLY VIEW

PARALLEL BARS

CHALLENGERS™

PARALLEL BARS
MODEL CH5750



Assembly View

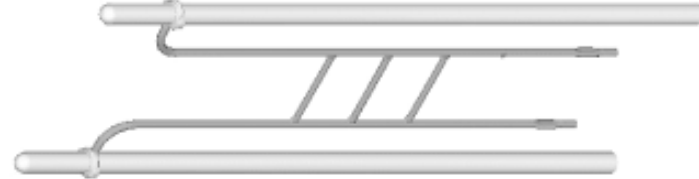
INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH5807
10 ft. (3048 mm) WAVE LADDER

Installation Preparation . . .
Recommended Crew: Three (3) adults
Installation Time: 1 man-hour
Weight: 64.8 Lbs. (29.5 Kilos)
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Assembly View

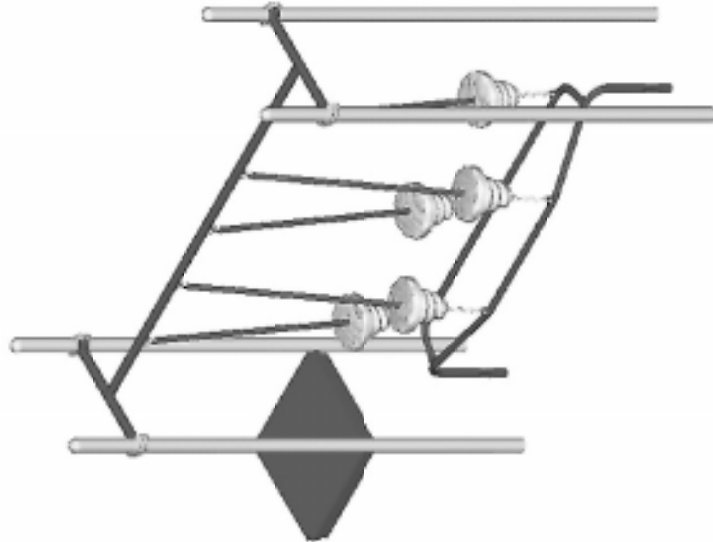
INSTALLATION INSTRUCTIONS
CHALLENGERS™
MODEL CH5970
OVERHEAD EVENT ACCESS LADDER
(3) Rungs

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 1.5 hour
Weight: 25.1 Lbs. (11.3 Kilos)
Concrete Required: 0.06 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

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Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH6606
LILY PODS

Installation Preparation . . .
Recommended Crew: Four (4) adults
Installation Time: 3 hours
Weight: 169 Lbs. (76.1 Kilos)
Concrete Required: .05 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGER®
MODEL CH6850
U-BOUNCE

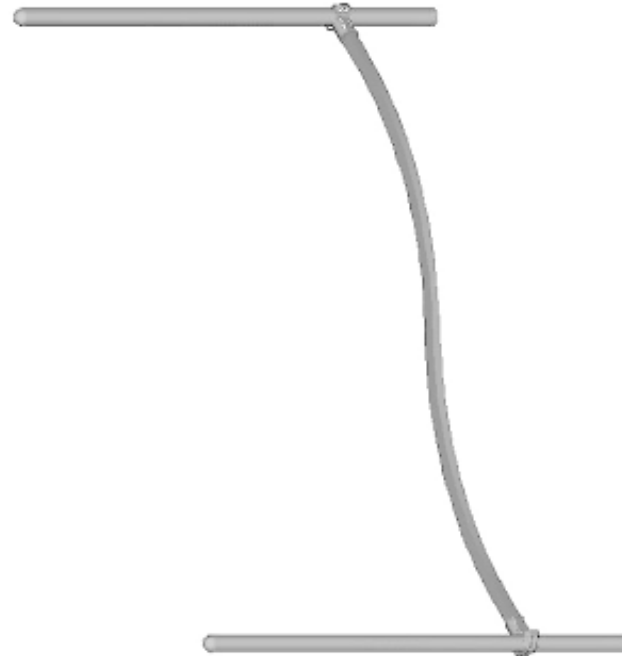
Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 3 man-hours
Weight: 102.7 Lbs. (46.2 Kilos)
Use Zone: 7 ft. (2134 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View



INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH6860
CHALLENGE WALK

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 2 hours
Weight: 59.2 Lbs. (26.7 Kilos)
Use Zone: 7 ft. (2134 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
 - Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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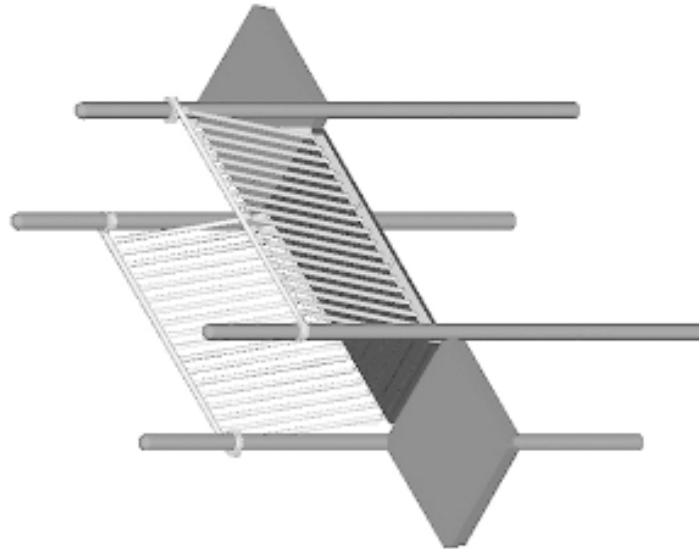
Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH6886
SHORTY SKY ROCKER

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 38.9 Lbs. (17.7 Kilos)
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH7080
6 ft. (1829 mm) CATWALK

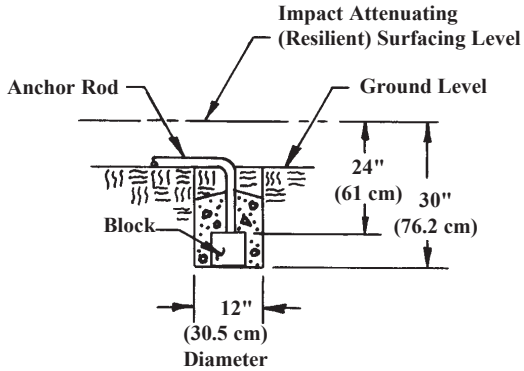
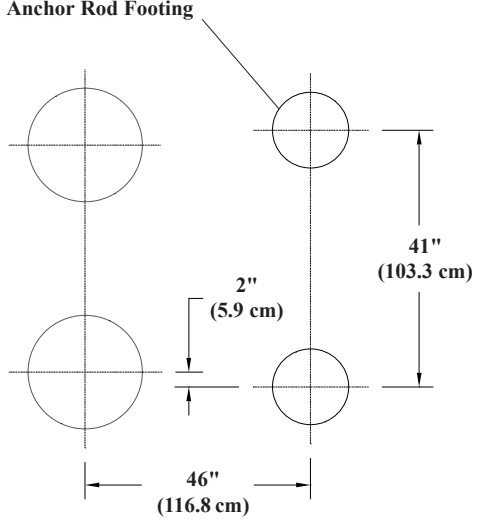
Installation Preparation . . .
Recommended Crew: Three (3) adults
Installation Time: Approx. 1-1/2 man-hours
Weight: 277 Lbs. (126 Kilos)
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

- Maintenance . . .**
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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FOOTING DIAGRAM



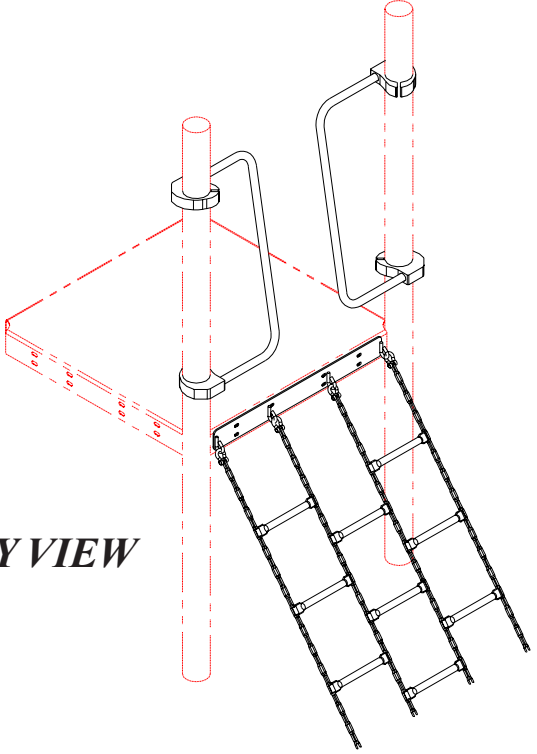
FOOTING DETAIL



NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

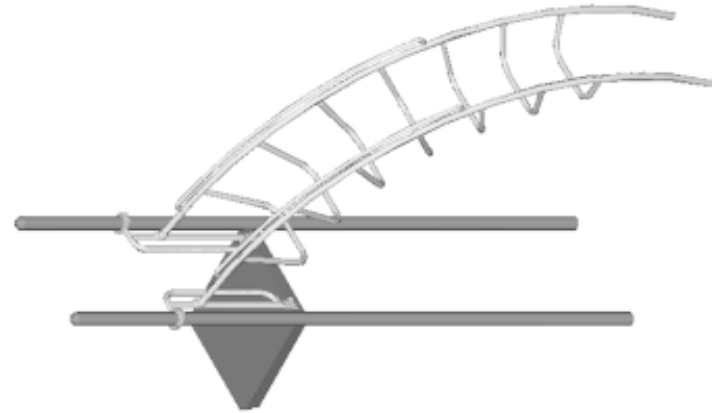
CHALLENGERS™

CHAIN NET CLIMBER
36" (91.4 cm) DECK
MODEL CH7220



ASSEMBLY VIEW

CHAIN NET CLIMBER



Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH7430

72 in. (1829 mm) DEEP RUNG ARCH CLIMBER

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: Approx. 2 man-hours

Weight: 111 Lbs. (50 Kilos)

Concrete Required: Approx. .06 cubic yards

Use Zone: 6 ft. (1829 mm) all sides

User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.

• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.

• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Model CH7430

ECN-602

Page 1 of 7

ISO 9001

Assembly View

INSTALLATION INSTRUCTIONS

CHALLENGERS®

MODEL CH9177

36 in. (914 mm) DECK TO DECK ACCESSIBLE TIERED PLATFORM

Installation Preparation . . .

Recommended Crew: Three (3) adults

Installation Time: 1.5 man-hours

Weight: 293.2 Lbs. (131.9 Kilos)

User Group: Ages 2 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

• Play Designs strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.

• Play Designs strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.

• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Model CH9177

ECN-844

Page 1 of 5

ISO 9001

Assembly View

INSTALLATION INSTRUCTIONS

UNIVERSAL

MODEL UN2019

PLATFORM - APPROACH STEP

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 1 man-hour

Weight: 40.4 Lbs. (18.2 Kilos)

Concrete Required: 0.04 cubic yards

Use Zone: 6 ft. (1829 mm) all sides

User Group: Ages 2-12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.

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Model UN2019

PA-769

Page 1 of 5

ISO 9001

Assembly View

INSTALLATION INSTRUCTIONS

UNIVERSAL

MODEL UN4270

FREESTANDING OVAL CRAWL TUBE

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 2.5 man-hours

Weight: 88.5 Lbs. (39.8 Kilos)

Concrete Required: 0.12 cubic yards

Use Zone: 6 ft. (1829 mm) all sides

User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.

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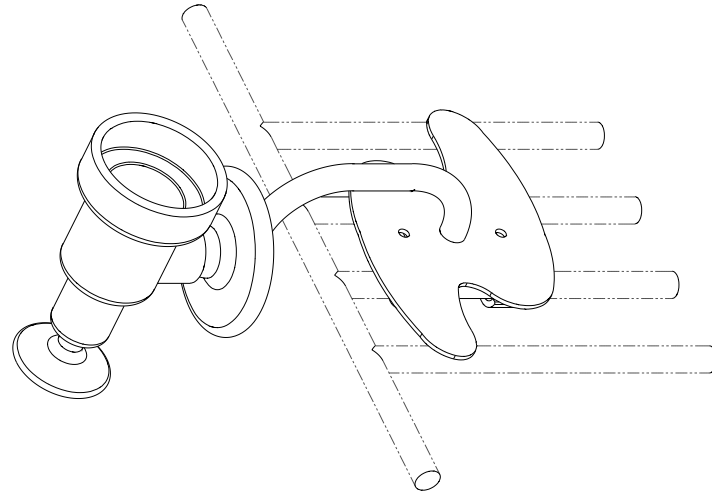
Model UN4270

ECN-667

Page 5 of 12

ISO 9001

Page 247 metcalfe



Assembly View

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL UN4280
PIPE WALL MOUNT TELESCOPE

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 1 hour
Weight: 9.5 Lbs. (4.3 Kilos)
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
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Page 1 of 3



Assembly View

INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN4340
STEERING WHEEL
Oval Panel Mount

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 0.25 hour
Weight: 5.1 Lbs. (2.3 Kilos)
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Page 1 of 3



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

PLAYWORLD SYSTEMS®
Putting The Fun Back Into Playgrounds®
1-800-233-8404 570-522-9800
www.playworldsystems.com

INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN9910
SURFACING WARNING LABEL

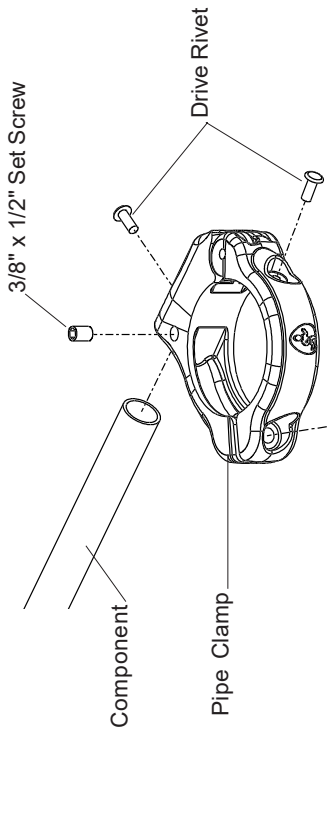
Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 15 to 20 minutes

Maintenance . . .
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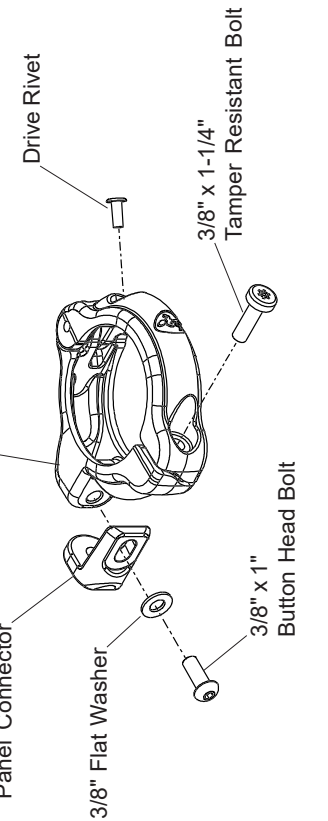
Page 1 of 2



CHALLENGERS: CLAMP ASSEMBLIES
We have provided the following typical assembly drawings of the Challengers clamps for your reference. These assemblies are performed throughout the installation of your structure.

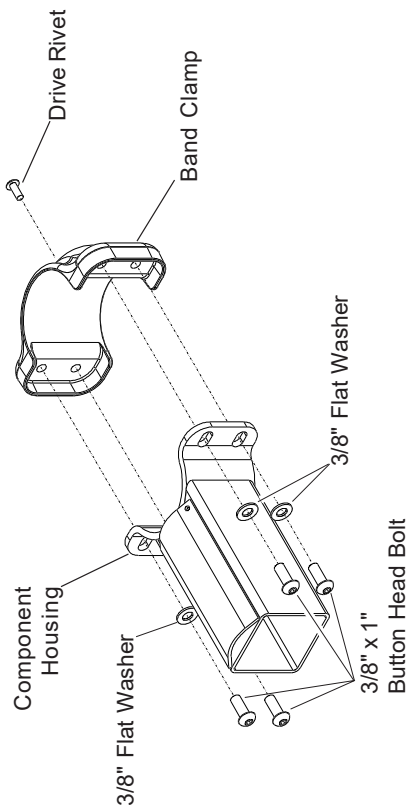


Pipe Clamp Assembly

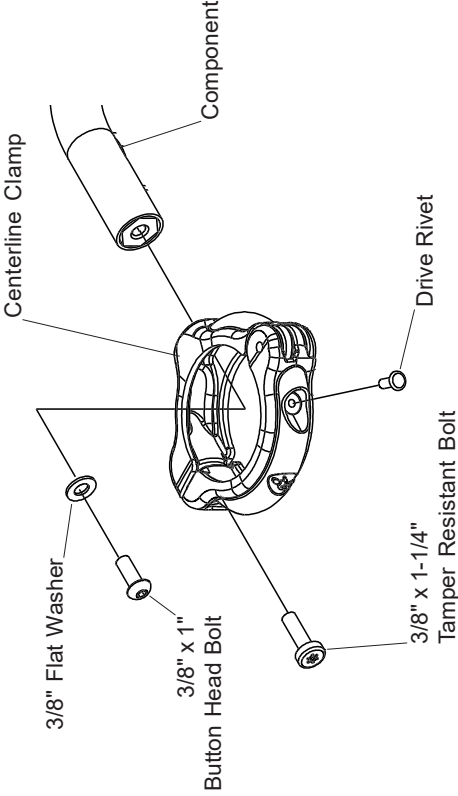


Centerline Clamp Assemblies

Note: T nuts may have been listed in the component bill of materials. They will not be included in your shipment, as they are no longer needed to make the clamp connections shown.



Band Clamp Assembly

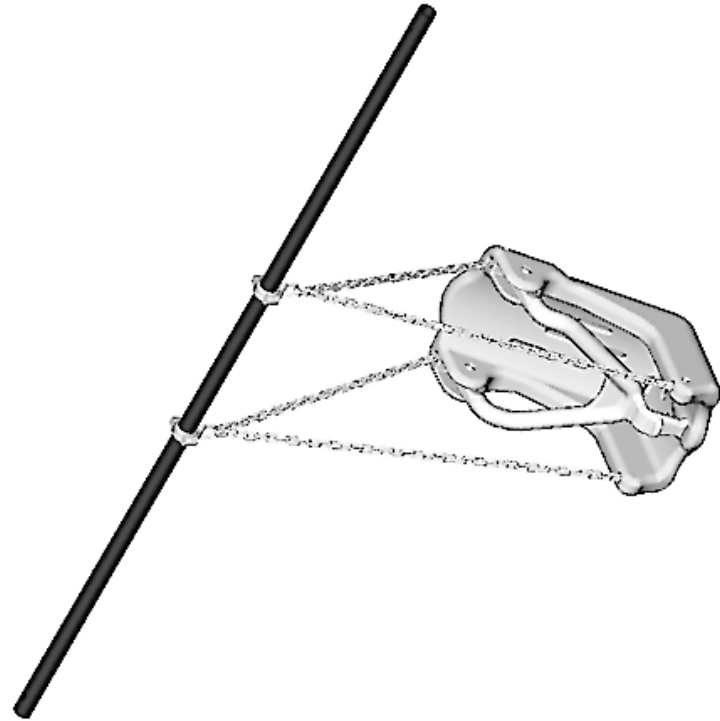
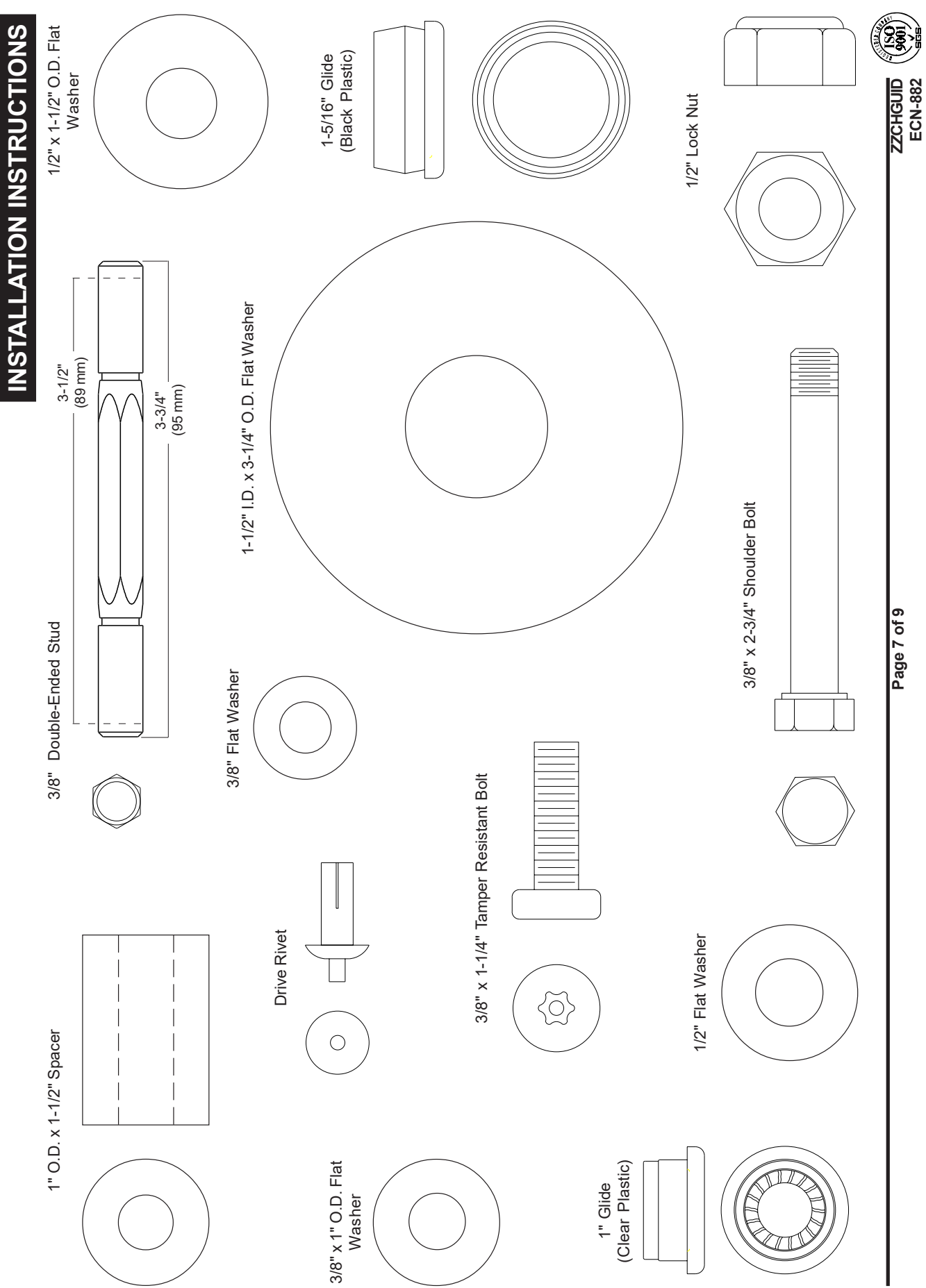
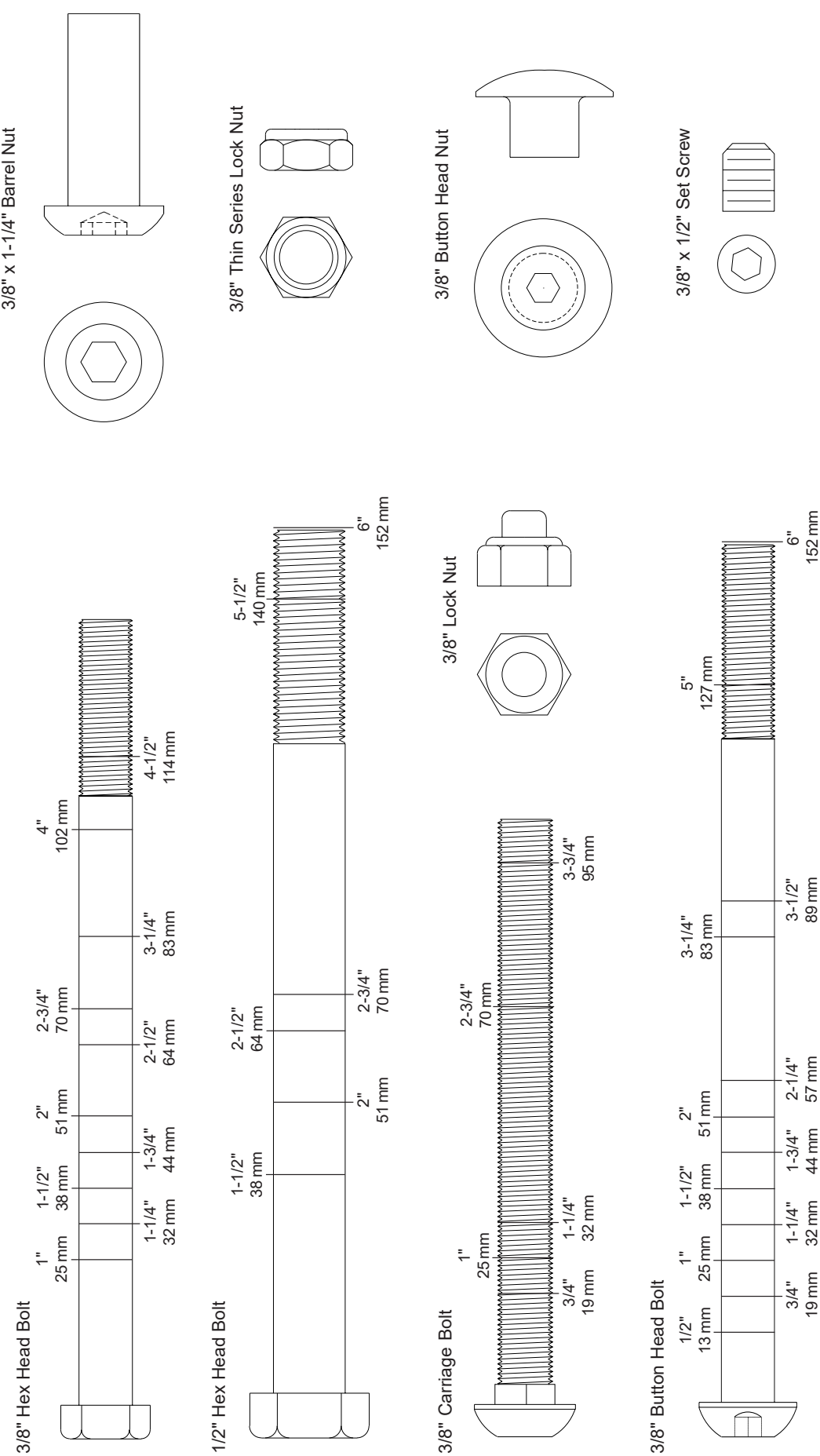


Page 8 of 9



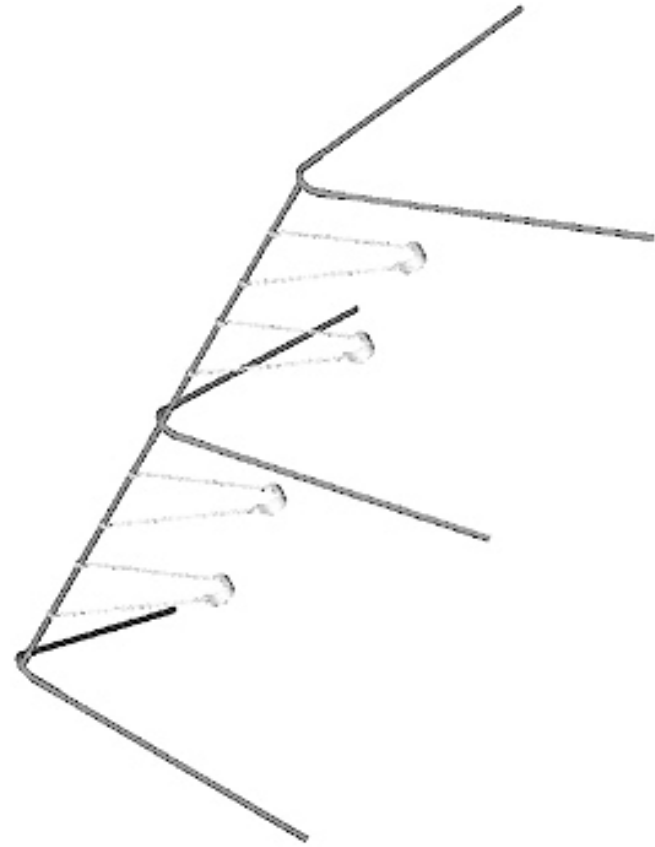
HARDWARE

The following are full scale drawings of the hardware commonly used in structure assembly. During installation, use these drawings as a quick reference.



Assembly View

THIS ACCESSIBLE SWING SEAT HAS BEEN DESIGNED FOR COMMERCIAL USE ONLY. IT IS NOT INTENDED TO BE USED WITH HOME OR BACK YARD PLAY EQUIPMENT.



Assembly View

INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0244

ACCESSIBLE SWING SEAT
8 ft. (2438 mm) TOP RAIL HEIGHT

Installation Preparation . . .

- Recommended Crew: One (1) adult
- Installation Time: .25 hour
- Weight: 29.9 lbs. (13.6 Kilos)
- Use Zone: 26 ft. (7925 mm) Total Front and Back
- User Group: Ages 5 and up

Torque Specification:

- Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
- Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0252

4-UNIT STANDARD SWING
8 ft. (2438 mm)

Installation Preparation . . .

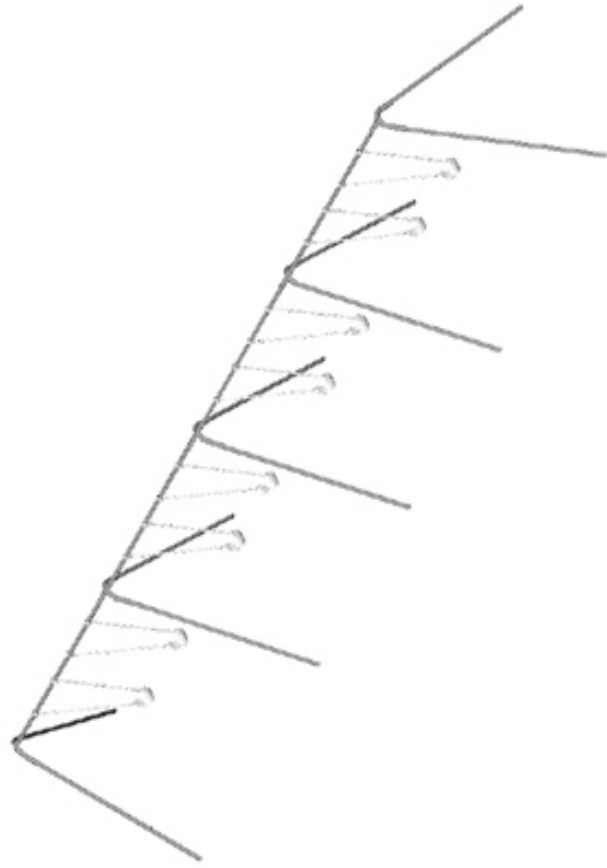
- Recommended Crew: Three (3) adults
- Installation Time: 5 man-hours
- Weight: 359.6 Lbs. (163.5 Kilos)
- Concrete Required: 0.78 cubic yard
- Use Zone: See page 1 for Swing Use Zone information.
- User Group: Ages 2-12

Torque Specification:

- Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
- Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

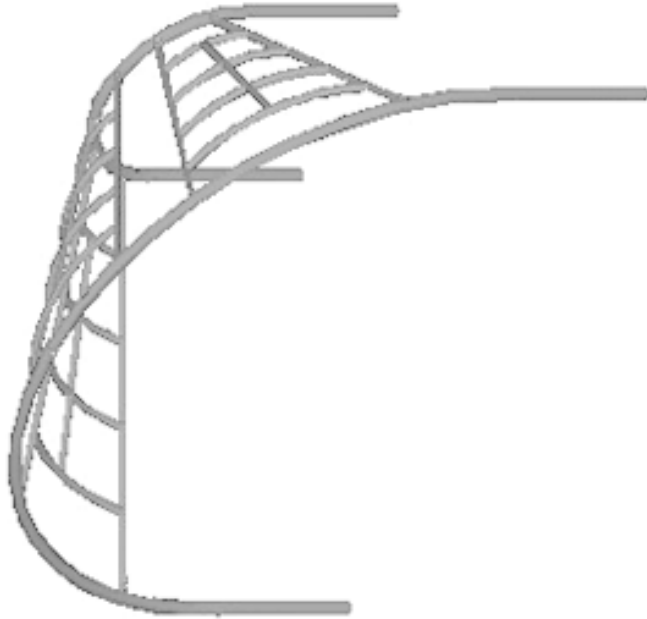
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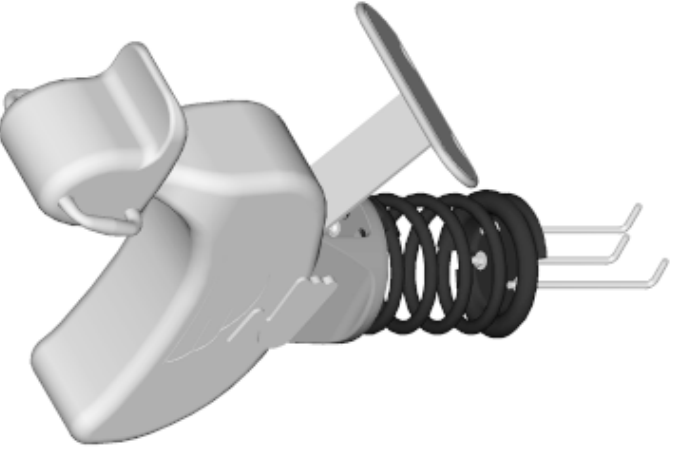
Assembly View



Assembly View



Assembly View



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0256

8 ft. (2438 mm) 8-UNIT STANDARD SWING

Installation Preparation . . .

Recommended Crew: Three (3) adults
Installation Time: 9 man-hours
Weight: 639.9 Lbs. (290.6 Kilos)
Concrete Required: 1.30 cubic yard
Use Zone: See **page 1** for Swing Use Zone information.
User Group: Ages 2-12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model XX0256
ECN-894

Page 5 of 14

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0260

BELT SWING WITH GALVANIZED CHAIN
8 ft. (2438 mm) Top Rail Height

Installation Preparation . . .

Recommended Crew: One (1) adult
Installation Time: .25 hour
Weight: 8.3 lbs. (3.8 Kilos)
Use Zone: 32 ft. (9754 mm) Total Front and Back
User Group: Ages 5 and up

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Model XX0260
ECN-896

Page 5 of 12



INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0404

HYPERRAY

Installation Preparation . . .

Recommended Crew: Two (2) adults
Installation Time: 3 man-hours
Weight: 211 Lbs. (95 Kilos)
Concrete Required: 0.23 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Model XX0404
PA-820

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INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0721

DUCK WITH COIL SPRING

Installation Preparation . . .

Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 64.4 Lbs. (29 Kilos)
Concrete Required: 0.07 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

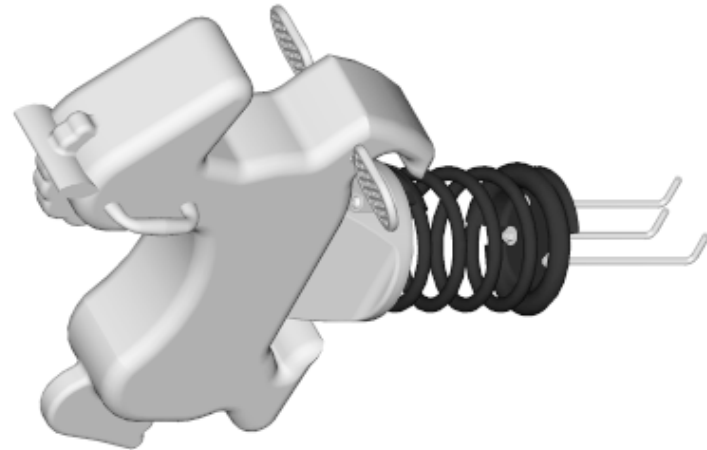
Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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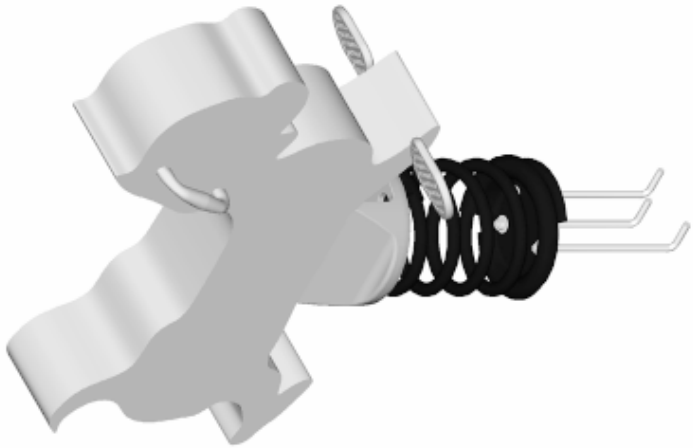


Model XX0721
PA-627

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Assembly View



Assembly View

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0729
ZEBRA
w/ Coil Spring

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 68 Lbs. (31 Kilos)
Concrete Required: .07 cubic yard
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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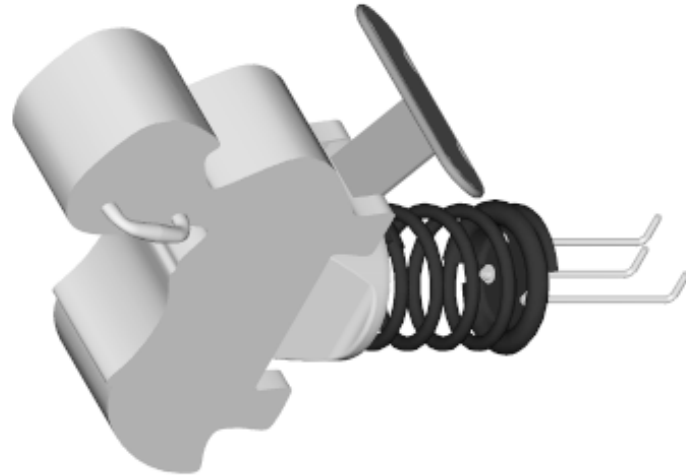
INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0737
CHIPMUNK
w/ Coil Spring

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: Approx. hours
Weight: 61 Lbs. (28 Kilos)
Concrete Required: Approx. 2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View

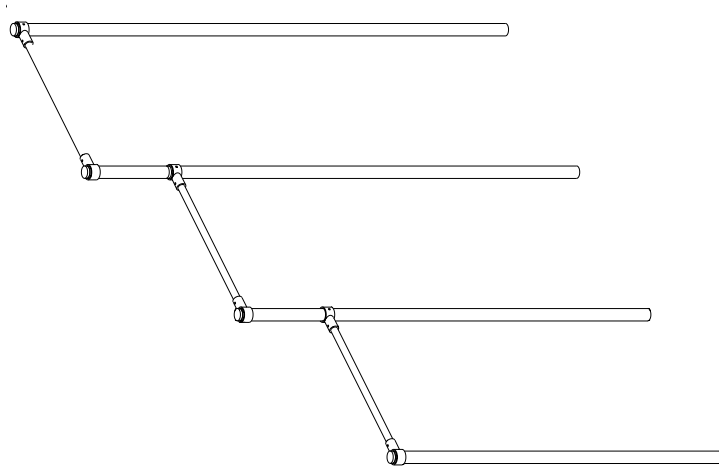
INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX0741
TURTLE W/ COIL SPRING

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 65.5 Lbs. (29.8 Kilos)
Concrete Required: 0.07 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Assembly View

INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX1013
TRI-LEVEL BARS

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2.5 man-hours
Weight: 53.7 Lbs. (24.2 Kilos)
Concrete Required: 0.12 cubic yards
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

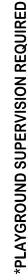
Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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Design Number: WIN-1643 - Bill Of Material

Monday, January 11, 2016 Page 1 of 1 Playworld.com



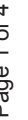
Challengers® Models CH0007, CH0009, CH0018, CH0028, CH0038, CH0048, CH0058, CH0068, CH0076, CH0256, CH0258
Steel Support Post w/ Cap
100 in. (2540 mm) to 224 in. (5690 mm)

Recommended Crew:	Two (2) adults
Installation Time:	1 man-hour
Concrete Required:	0.13 cubic yard (0, 10 cubic meters)



Challengers® Models CH0019, CH0029, CH0039, CH0049, CH0059, CH0069, CH0077, CH0137, CH0139, CH0257, CH0259
Steel Support Post w/o Cap
100 in. (2540 mm) to 224 in. (5690 mm)

Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Concrete Required: 0.13 cubic yard (0.10 cubic meters)





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Assembly View (representative model)

Installation Instructions
Challengers® Models CH0019, CH0029, CH0029, CH0039, CH0049, CH0059, CH0069, CH0077, CH0137, CH0137, CH0139, CH0257, CH0259
Steel Support Post w/o Cap
100 in. (2540 mm) to 224 in. (5690 mm)

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Concrete Required: 0.13 cubic yard (0, 10 cubic meters)



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Assembly View (representative model)

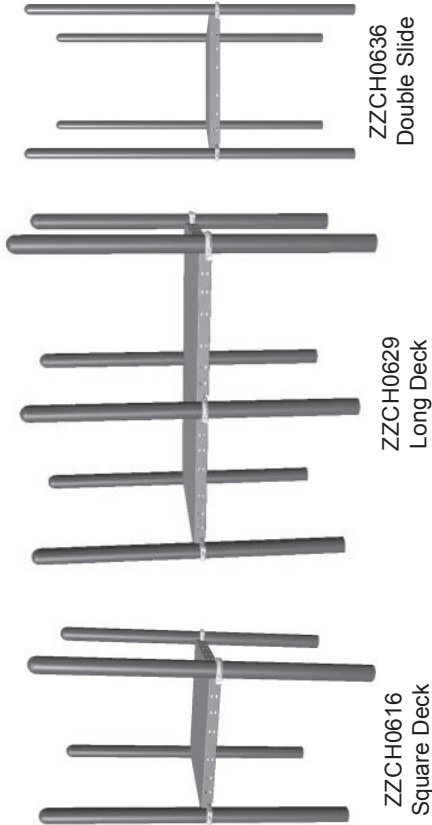
Installation Instructions
Challengers® Models CH0019, CH0029, CH0039, CH0049, CH0059, CH0069, CH0077, CH0137, CH0137, CH0139, CH0257, CH0259
Steel Support Post w/o Cap
100 in. (2540 mm) to 224 in. (5690 mm)

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Concrete Required: 0.13 cubic yard (0, 10 cubic meters)



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Assembly View

Installation Instructions
Challengers® Models CH0616, CH0629, and CH0636
Square, Long, and Double Slide
Perforated Deck

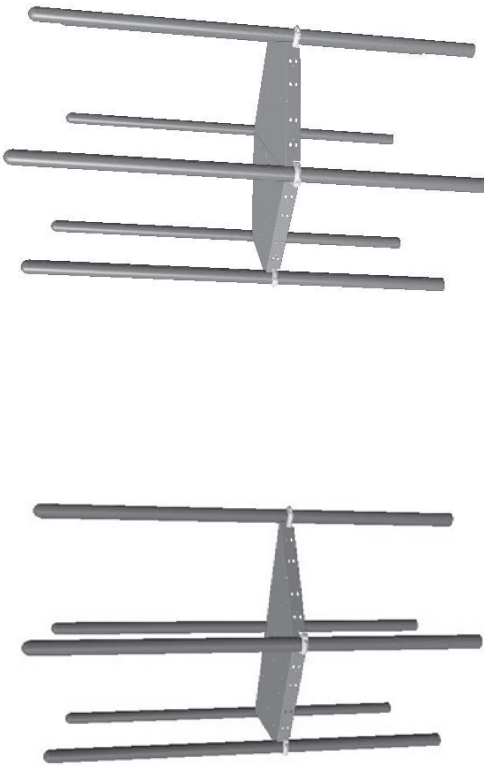
Installation Preparation

Recommended Crew (CH0616-36): Two (2) adults
Recommended Crew (CH0629): Four (4) adults
Installation Time (CH0616-36): 1 man-hour
Installation Time (CH0629): 2 man-hours
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height



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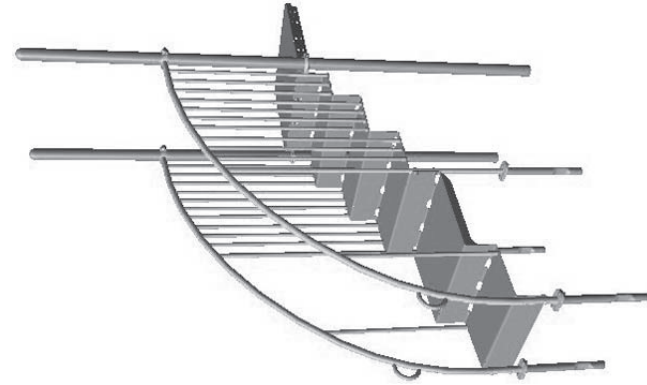
Assembly View

Installation Instructions
Challengers® Models CH0618 and CH0619
Hex and Half Hex Coated Perforated Deck

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 1.5 man-hours
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height



Assembly View *(representative model)*

Installation Instructions
Challengers® Models CH0678, CH0678S, CH0679 and CH0679S
Nuvo™ Transfer Station
48 in. (1219 mm) and 36 in. (914 mm) Decks
In-Ground and Surface Mount

Installation Preparation

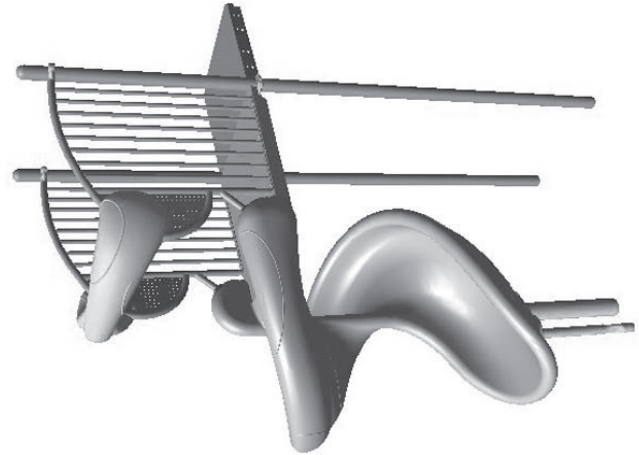
Recommended Crew: Two (2) adults
Installation Time (In-ground): 3.5 man-hours
Installation Time (Surface Mount): 1.5 man-hours
Concrete Required: 0.12 cubic yard (0.08 cubic meters)
Use Zone: Refer to the master layout drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Assembly View *(representative model)*

Model	Deck Height
CH3128	24-30" (610-762 mm)
CH3127	36" (915 mm)
CH3126	48" (1220 mm)
CH2658	60" (1525 mm)
CH2696	72" (1830 mm)



Assembly View *(representative model)*

Installation Instructions
Challengers® Models CH3537 and CH3537S
Nuvo™ 360° Spiral Slide
In-Ground and Surface Mount

Installation Preparation

Recommended Crew: Four (4) adults
Installation Time (In-ground): 6 man-hours
Installation Time (surface mount): 5 man-hours
Concrete Required: 0.15 cubic yard (0.11 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Assembly View

Installation Instructions
Challengers® Model CH4290
Post Mounted Steering Wheel

Installation Preparation

Recommended Crew: One (1) adult
Installation Time: 0.25 hour
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



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Assembly View (representative model)

Model	Bell Diameter
ZZCH4556	7" (178 mm)
ZZCH4557	8" (203mm)
ZZCH4558	9" (229 mm)
ZZCH4559	10" (254 mm)

Page 1 of 4



Installation Instructions
Challengers® Models CH4556, CH4557, CH4558, and CH4559
7 in. (178 mm), 8 in. (203 mm),
9 in. (229 mm), and 10 in. (254 mm)
Bell (Post Mount)

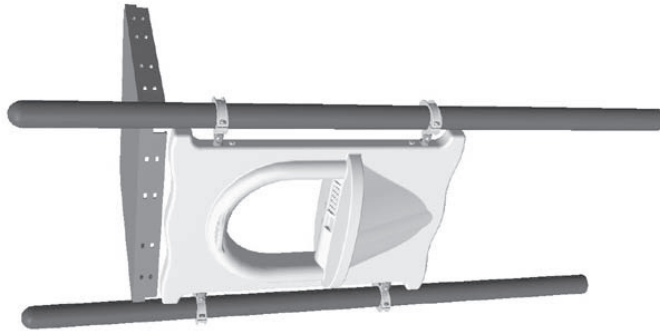
Installation Preparation

Recommended Crew: One (1) adult
Installation Time: 0.25 hour
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive



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Assembly View

Installation Instructions
Challengers® Model CH4646
Storefront Panel

Installation Preparation

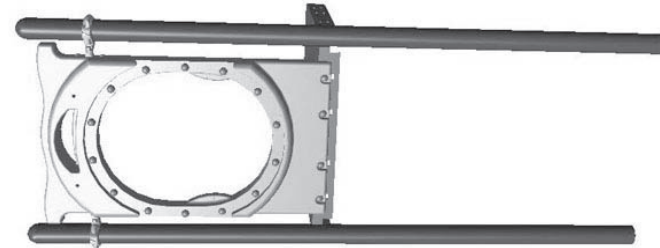
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-5, EN: 1-6

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive

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The world needs play.®



Assembly View

Installation Instructions
Challengers® Model CH4807
Oval Insert Panel
(Deck Mount)

Installation Preparation

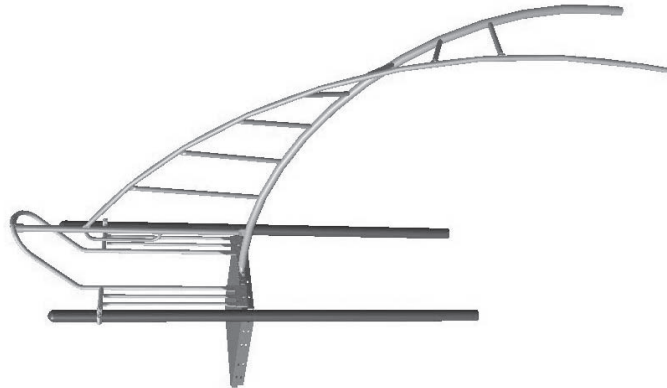
Recommended Crew: One (1) adult
Installation Time: 0.5 installation-hours
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive

Page 1 of 6



The world needs play.®



Assembly View (representative model)

Model	Deck Height
ZZCH7160	72" (1830 mm)
ZZCH7166	84" (2134 mm)
ZZCH7167	96" (2743 mm)

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Installation Instructions
Challengers® Models CH7160, CH7166, and CH7167
Twisted Climber
6 ft. (1829 mm), 7 ft. (2134 mm), and 8 ft. (2438 mm)

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 2 installation-hours
Concrete Required: 0.6 cubic yard (0.4 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive



Assembly View (representative model)

Model	Deck Height
ZZCH7226	36" (915 mm)
ZZCH7227	48" (1220 mm)

Installation Instructions
Challengers® Models CH7226 and CH7227
Rope Climber
36 in. (914 mm) and 48 in. (1219 mm) Decks

Installation Preparation
Recommended Crew: One (1) adult
Installation Time: 2 hours
Concrete Required: 0.06 cubic yard (0.05 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Assembly View (representative model)

Model	Deck Height
ZZCH8260	48" (1220 mm) and 54" (1372 mm)
ZZCH8270	60" (1525 mm) and 66" (1676 mm)
ZZCH8280	72" (1830 mm)

Installation Instructions
Challengers® Models CH8260, CH8270, and CH8280
Hopscotch Climber
48 in. (1219 mm), 54 in. (1372 mm), 60 in. (1524 mm), 66 in. (1676 mm), 72 in. (1829 mm)

Installation Preparation
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Concrete Required: 0.06 cubic yard (0.05 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Assembly View (representative model)

Installation Instructions
Challengers®
Models CH9168, CH9170 and CH9177
Deck to Deck Accessible Tiered Platform
12 in. (305 mm), 24 in. (610 mm) and 36" (914 mm) Rise Height

Installation Preparation
Recommended Crew: Two - Three (2-3) adults
Installation Time: 2 man-hours
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Assembly View (representative model)

Model	Size
ZZCH9847	Small
ZZCH9848	Medium
ZZCH9849	Large

Installation Instructions
Challengers® Model CH9847-9849
Small, Medium, and Large
Lollitops Roof

Installation Preparation
Recommended Crew: Two (2) adults
Installation Time: 0.5 installation-hour
Use Zone: Refer to Master Drawing

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware	Pour Concrete
	Drill	Dig Footing Holes
	Hammer	Critical Fall Height



Model	Size
ZZCH9847	Small
ZZCH9848	Medium
ZZCH9849	Large

Page 1 of 5

Model CH9847, CH9848, CH9849
PA 0987



Installation Instructions
Challengers® Model CH9847-9849
Small, Medium, and Large
Lollitops Roof

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 0.5 installation-hour
Use Zone: Refer to Master Drawing

ICON KEY		Add 1 Drop of Thread Locking Adhesive	
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height



Installation Instructions
Challengers® Model CH9868
Nuvo Swirl Roof

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 1 man-hour

ICON KEY		Add 1 Drop of Thread Locking Adhesive	
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Page 1 of 6

Model CH9868
ECN2448



Installation Instructions
Universal Model UN4796
Oval Bubble Panel Insert

Installation Preparation

Recommended Crew: One (1) adult
Installation Time: 0.5 hour
Use Zone: Refer to Master Drawing

ICON KEY		Add 1 Drop of Thread Locking Adhesive	
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Page 1 of 4

Model UN4796
ECN 1350



Installation Instructions
Universal Model UN9910
Surface Warning Label

Installation Preparation

Recommended Crew: One (1) adult
Installation Time: 15 to 20 min

ICON KEY		Add 1 Drop of Thread Locking Adhesive	
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Page 1 of 2

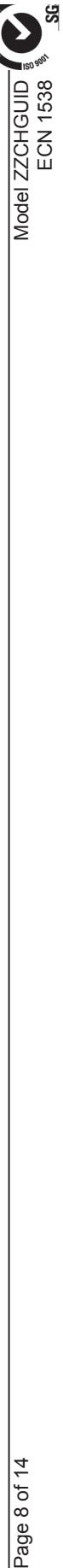
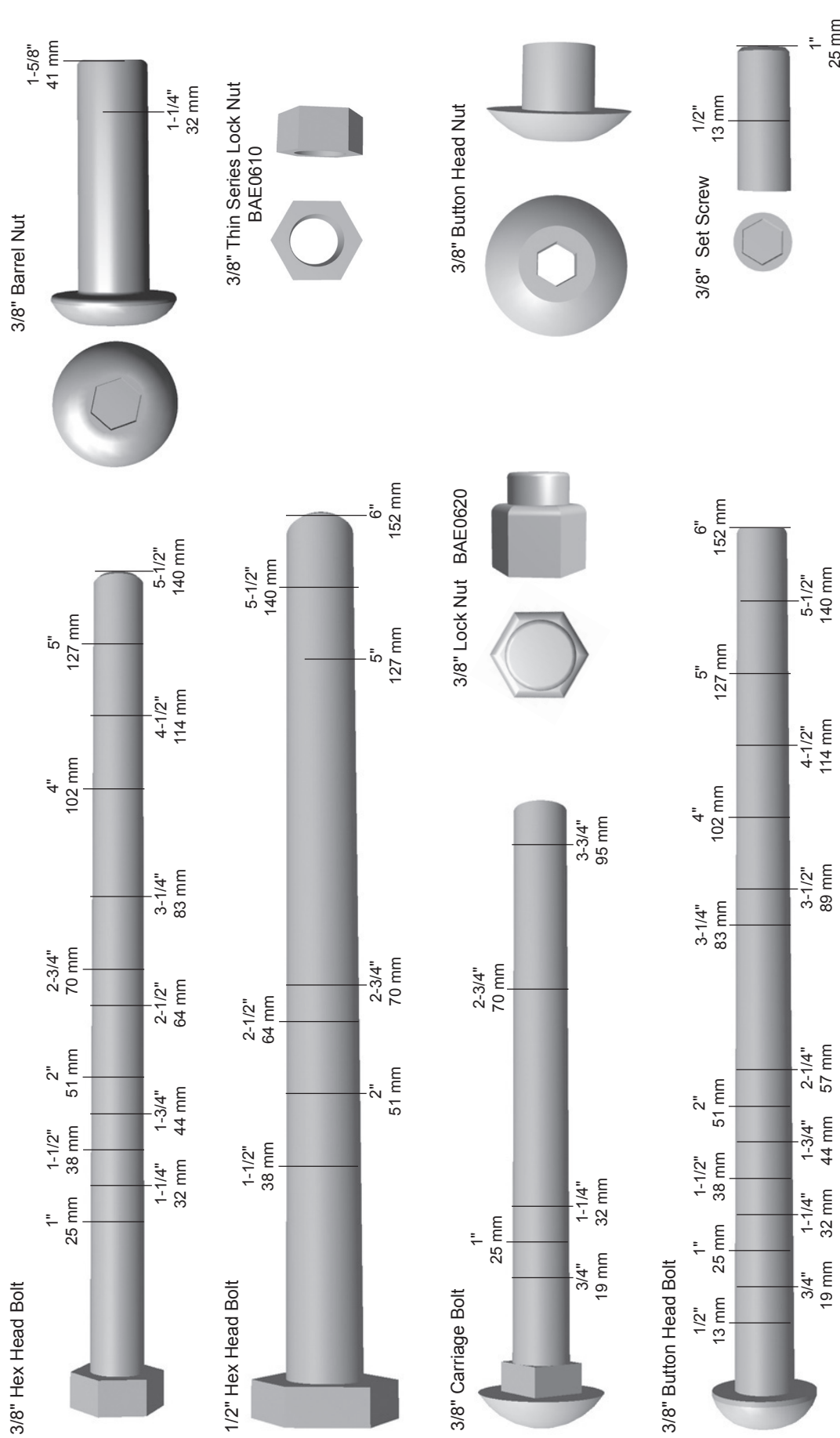
Model UN9910
ECN 774



Installation Guidelines

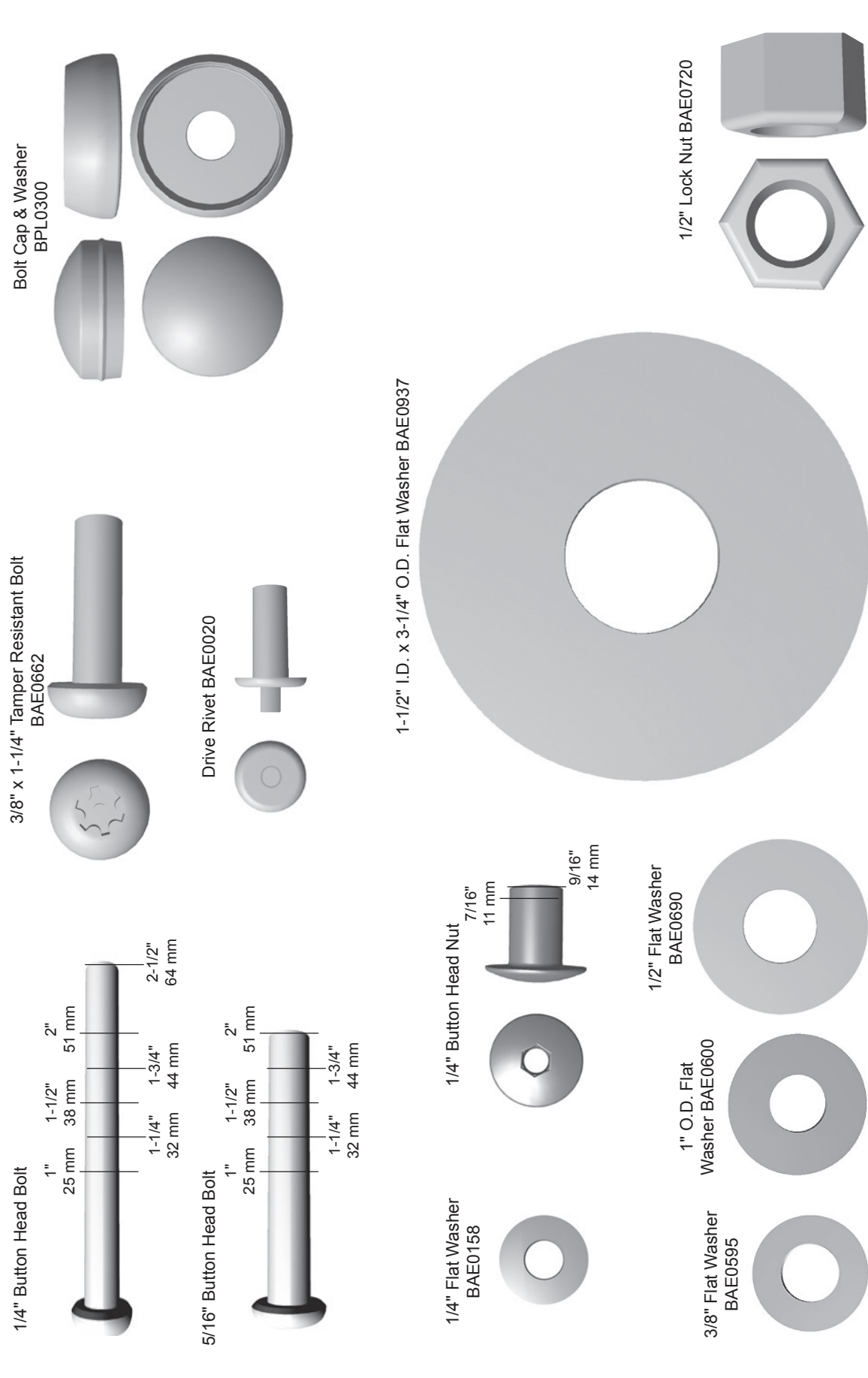
HARDWARE GUIDE

The following are full scale drawings of the hardware commonly used in structure assembly. During installation, use these drawings as a quick reference.



Installation Guidelines

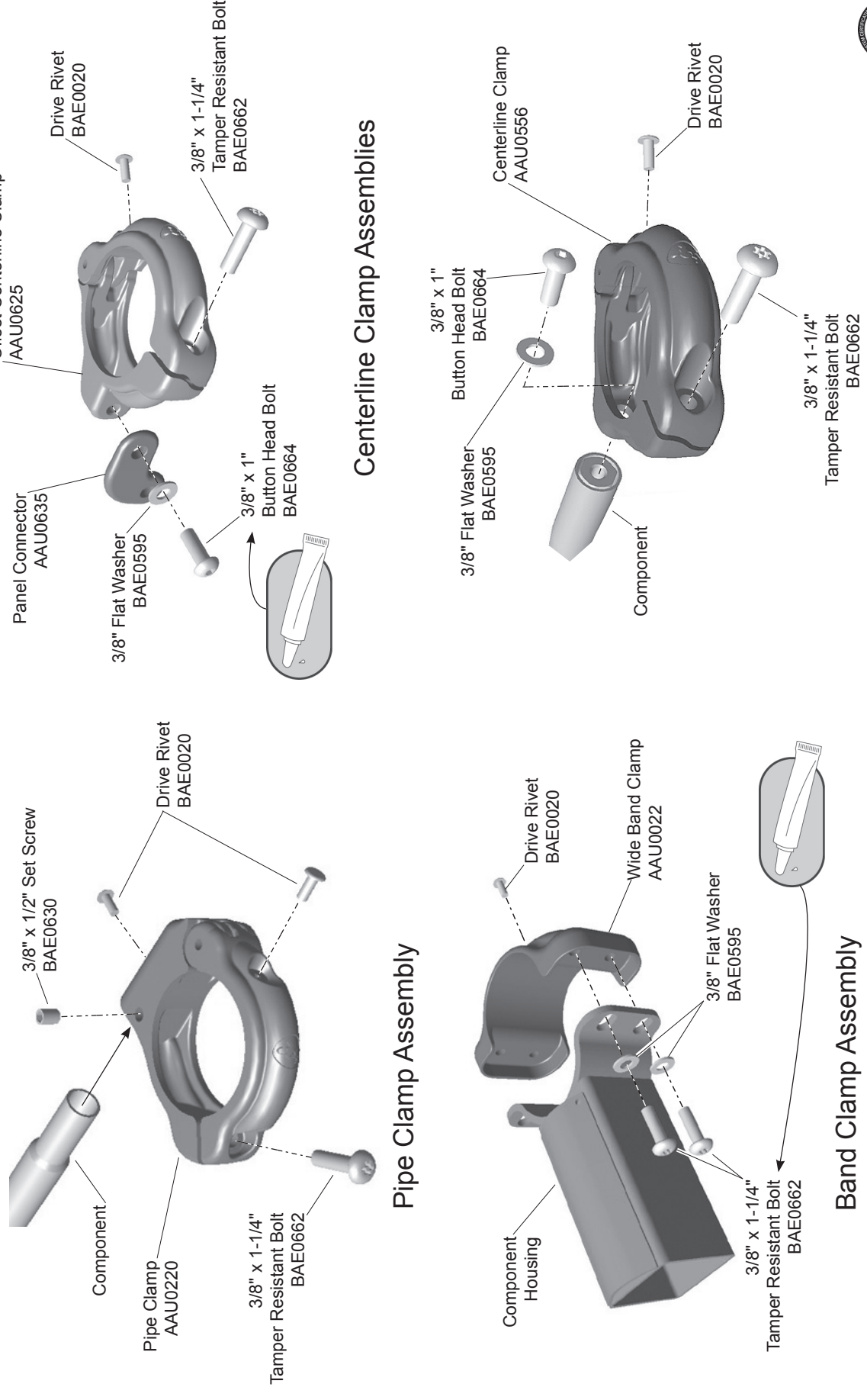
HARDWARE GUIDE



Installation Guidelines

CHALLENGERS® CLAMP ASSEMBLIES

We have provided the following typical assembly drawings of the Challengers® clamps for your reference.



MT NITTANY ELEMENTARY

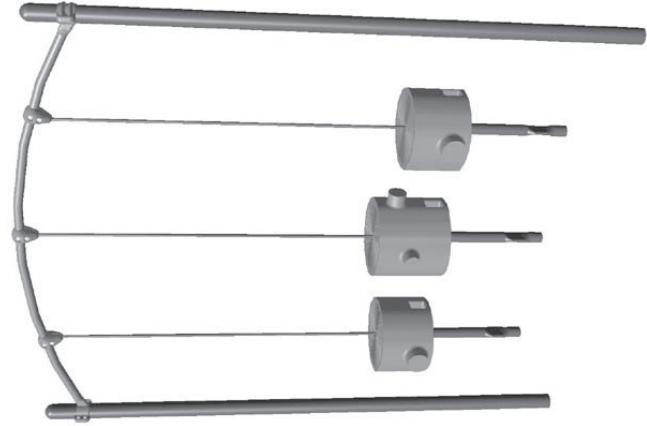


Assembly View (representative model)

Installation Instructions
Challengers® Models CH0009GZ,
CH0038GZ, CH0058GZ, & CH0068GZ
GroundZero® Steel Support Post w/ Cap
112 in. (2845 mm), 148 in. (3759 mm),
172 in. (4369 mm)& 184 in. (4674 mm)

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: (refer to table on the next page)
Concrete Required: 0.18 cubic yard (0.14 cubic meters)



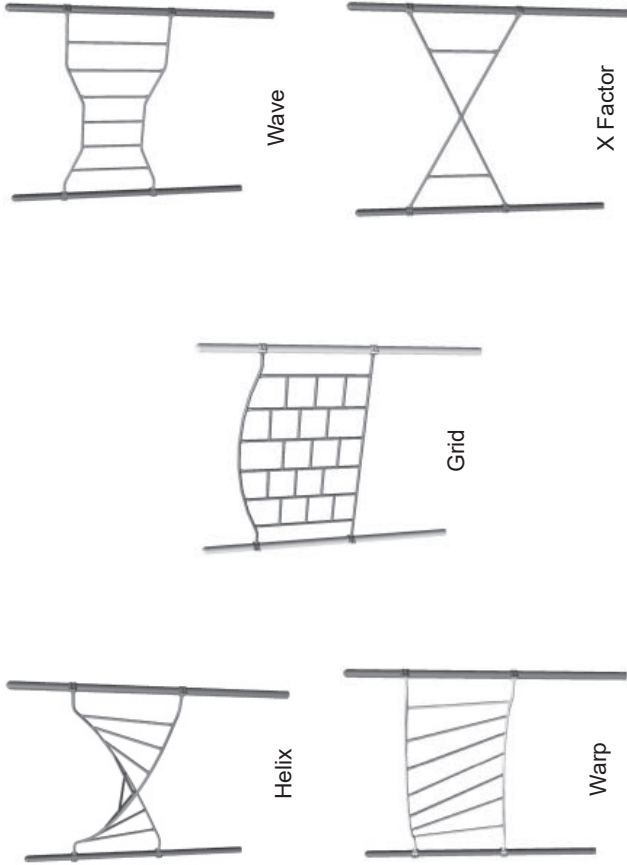
Assembly View

Installation Instructions
Challengers® Model CH8390
GroundZero® Adventure Stump Jump

Installation Preparation

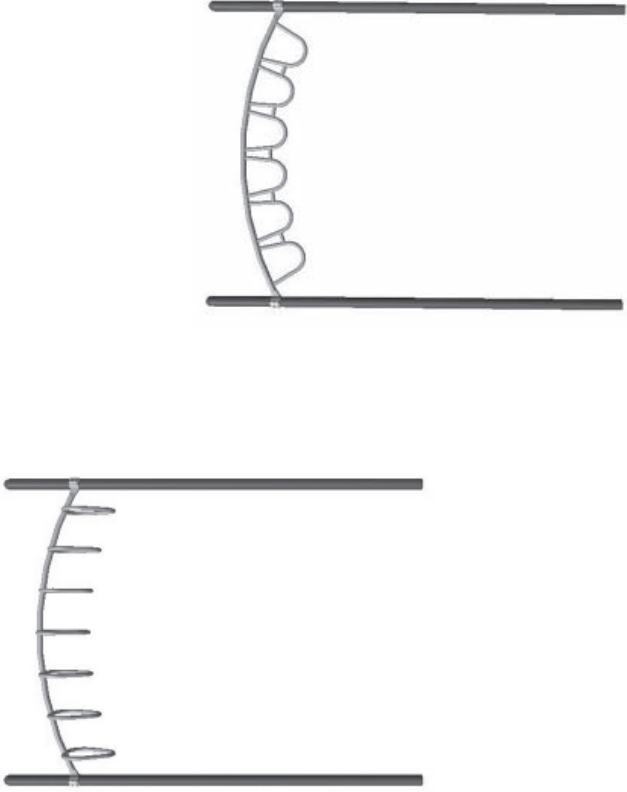
Recommended Crew: Two (2) adults
Installation Time: 3 man-hours
Weight: 197.9 lbs. (89.9 kg)
Concrete Required: 0.09 cubic yard (0.06 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 2-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive



Assembly View

Models	Climber Name	Weight
ZZCH8398	Helix	81.8 lbs. (37.2 kg)
ZZCH8399	Wave	66.6 lbs. (30.3 kg)
ZZCH8400	Warp	90.8 lbs. (41.3 kg)
ZZCH8406	X Factor	48 lbs. (21.8 kg)
ZZCH8408	Grid	103.7 lbs. (47.1 kg)



Assembly View (representative model)

Model	Name	Weight
ZZCH8450	The Sky Link	45.7 lbs. (20.8 kg)
ZZCH8456	The Sky Arch	40.3 lbs. (18.3 kg)

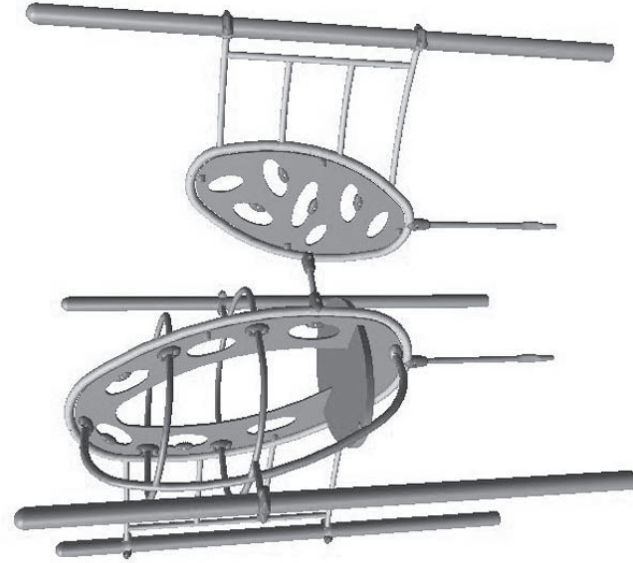
Installation Instructions
Challengers® Models CH8450 & CH8456
The Sky Link & The Sky Arch

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 0.5 installation-hours
Weight: (refer to table)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY	Fully Tighten Hardware	Add 1 Drop of Thread Locking Adhesive





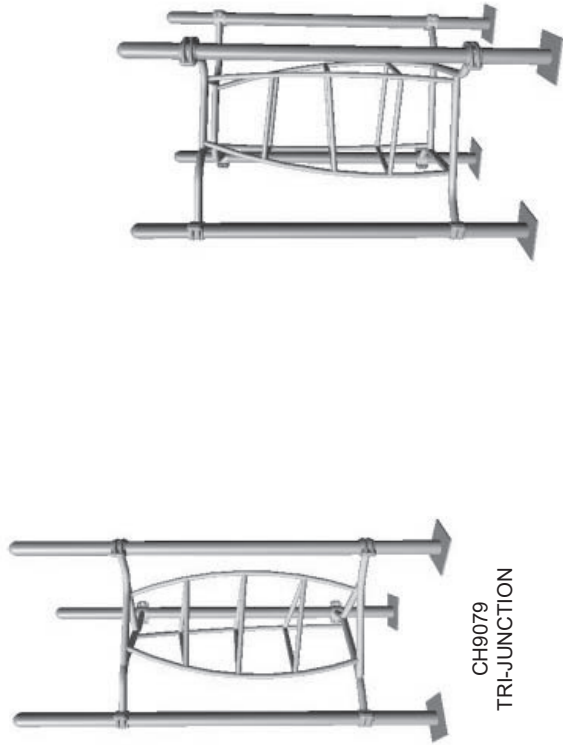
Assembly View (representative model)

Installation Instructions
Challengers® Models CH9070 and CH9070S
Oval Crater Junction
In-Ground and Surface Mount

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time (in-ground): 3 man-hours
Installation Time (surface mount): 2 man-hours
Concrete Required (in-ground): 0.06 cubic yard (0.04 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY		Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
		Do Not Fully Tighten Hardware		Pour Concrete
		Drill		Dig Footing Holes
		Hammer		Critical Fall Height



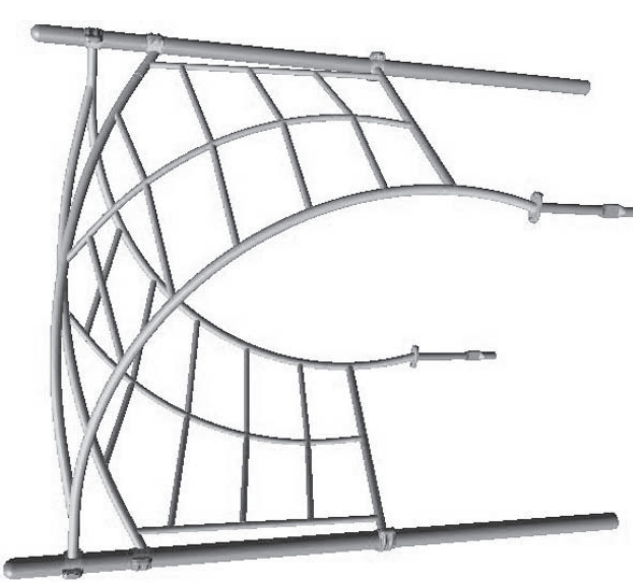
Assembly View

Installation Instructions
Challengers® Models CH9079 and CH9080
Adventure Series
Tri-Junction and Quad Junction Climbers

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 0.5 man-hour
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY		Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
		Do Not Fully Tighten Hardware		Pour Concrete
		Drill		Dig Footing Holes
		Hammer		Critical Fall Height



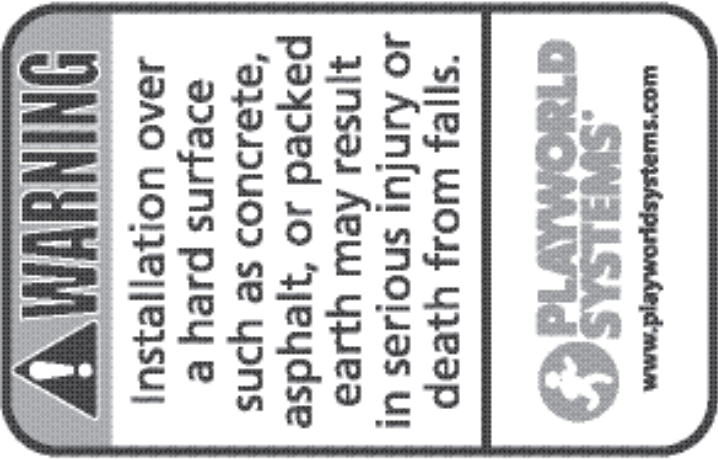
Assembly View (representative model)

Installation Instructions
Challengers® Models CH9087 and CH9087S
Adventure Series
Crossover Climber
In-Ground and Surface Mount

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time (in-ground): 1.5 man-hours
Installation Time (surface mount): 0.5 man-hour
Concrete Required (in-ground): 0.06 cubic yard (0.04 cubic meters)
Use Zone: Refer to Master Drawing
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY		Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
		Do Not Fully Tighten Hardware		Pour Concrete
		Drill		Dig Footing Holes
		Hammer		Critical Fall Height



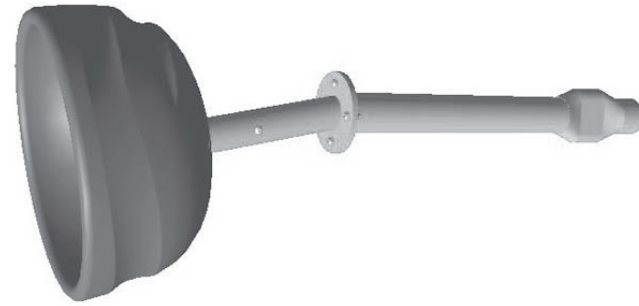
Assembly View

Installation Instructions
Universal Model UN9910
Surface Warning Label

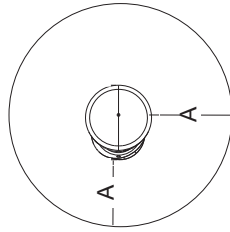
Installation Preparation

Recommended Crew: One (1) adult
Installation Time: 15 to 20 min

ICON KEY		Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
		Do Not Fully Tighten Hardware		Pour Concrete
		Drill		Dig Footing Holes
		Hammer		Critical Fall Height



Assembly View



Equipment Use Zone
A - ASTM: 72 in. (1830 mm)
A - CSA: 1800 mm
A - EN: 2000 mm

Installation Instructions
Playworld Systems® Model XX0065
Spincup

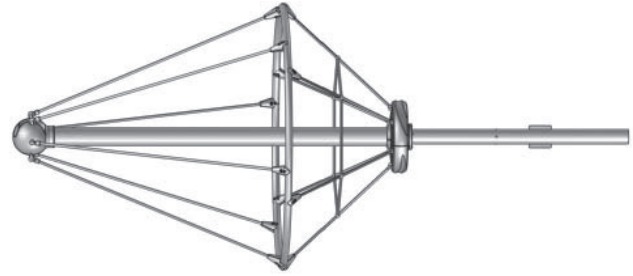
Installation Preparation

Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Concrete Required: 0.06 cubic yard (0.04 cubic meters)
Use Zone: Refer to the information below
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

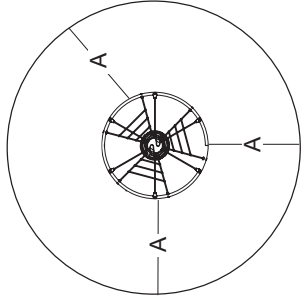
ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Page 1 of 10

Model ZZX0065
ECN1983



Assembly View



Equipment Use Zone
A - (ASTM) 72 in. (1830 mm)
(CSA) 1800 mm
(EN) 2000 mm

Installation Instructions
Playworld Systems® Model ZZX00151
Spinami

Installation Preparation

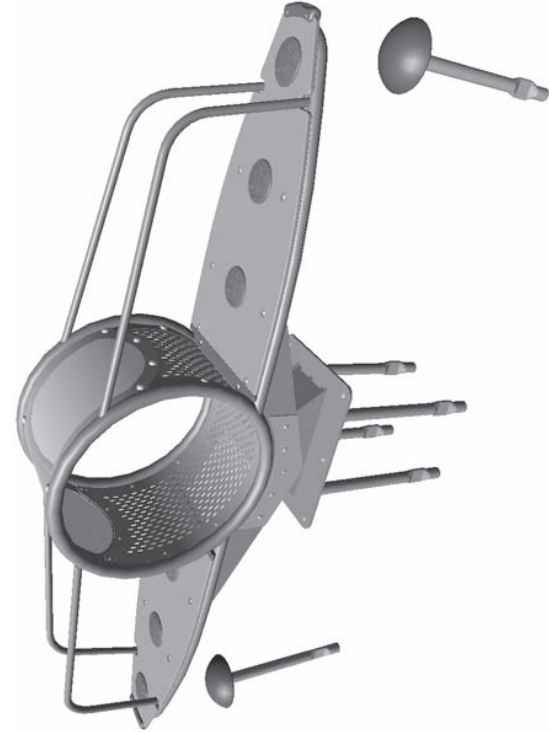
Recommended Crew: Three (3) adults
Installation Time: 6 man-hours
Concrete Required: 0.33 cubic yard (0.26 cubic meters)
Use Zone: Refer to the information below
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

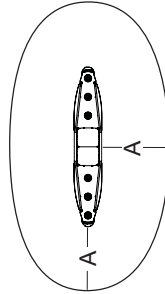
Page 1 of 12

Refer to the Elevation View for the specific Critical Fall Height for the component.

Model ZZX00151
ECN2555



Assembly View (representative structure)



Rocking/Springing Equipment
Intended for Standing Use Zones
A =
ASTM: 84 in. (2134 mm)
CSA: 2100 mm
EN: 1500 mm

Installation Instructions
Playworld Systems®
Models XX0182 and XX0182S
Unity Teeter Tunnel

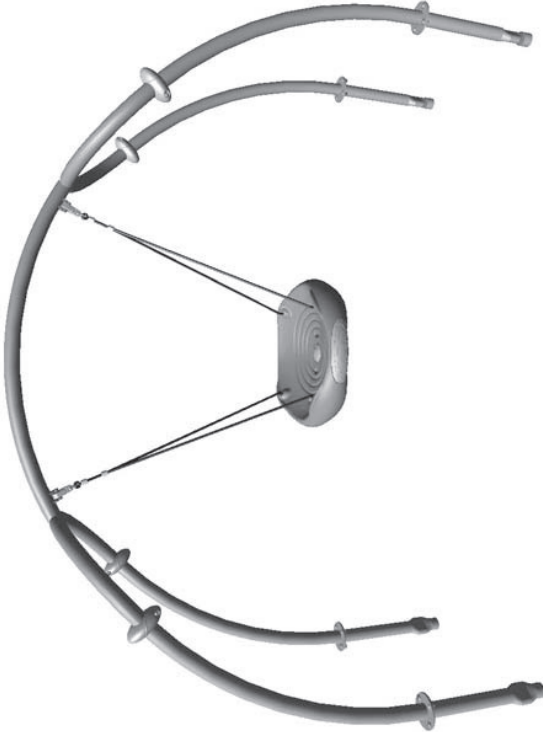
Installation Preparation

Recommended Crew: Four (4) adults
Installation Time: 12 man-hours (In-Ground)
Installation Time: 9 man-hours (Surface Mount)
Concrete Required (In-Ground): 0.78 cubic yard (0.60 cubic meters)
Use Zone: Refer to the information below
User Group Age (years): ASTM/CSA: 5-12, EN: 6-14

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Page 1 of 20

Models XX0182 and XX0182S
ECN2590



Assembly View (representative structure)

Installation Instructions
Playworld Systems®
Models XX0199 and XX0199S
Hoopla Swing
In-Ground and Surface Mount

Installation Preparation

Recommended Crew: Two (2) adults
Installation Time (In-Ground): 4 man-hours
Installation Time (Surface Mount): 2 man-hours
Concrete Required: 0.52 cubic yard (0.40 cubic meters)
Use Zone: Refer to the information on page 1
User Group Age (years): ASTM/CSA: 2-12, EN: 2-14

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

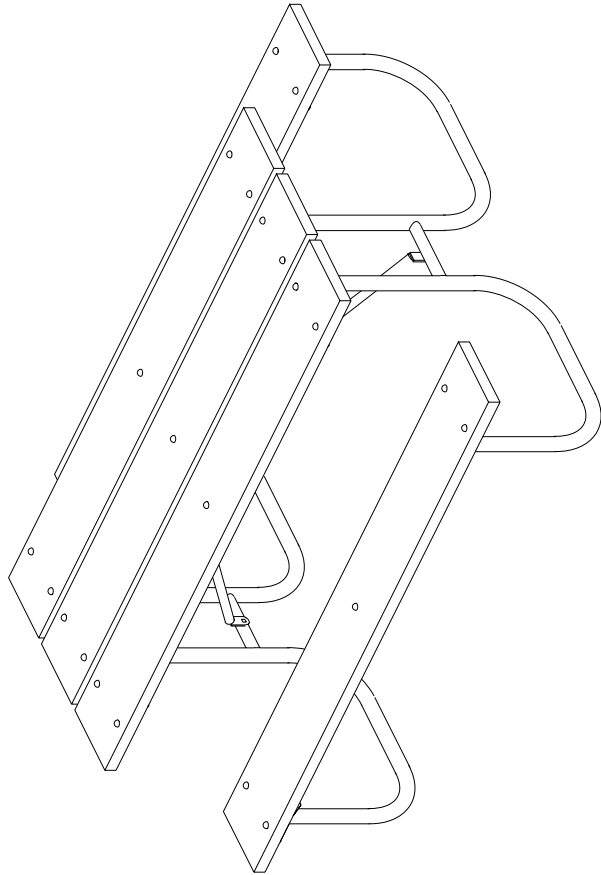
Page 7 of 22

Models XX0199 and XX0199S
PA1305





INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
MODEL XX9110
6 FT. (1829 mm) RECYCLED PLASTIC HEAVY DUTY
PICNIC TABLE



Assembly View

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: Approx. 1 hour
Weight: 218 Lbs. (99 Kilos)

Torque Specification:
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.

Maintenance . . .
• Playworld Systems strongly recommends routine inspection to insure that all fasteners are secure and that there is no damage that would cause injury or improper function of the equipment.

Model XX9110
SE-1932
Page 1 of 5



Monday, August 17, 1998

Ref.	Part No.	Description	Qty.
1	CH0775	Square Vinyl Deck Assembly	4
2	CH0795	Triangular Vinyl Coated Deck Assembly	3
3	CH0920	156" Support Post w/Riveted Cap	3
4	CH0930	139" Support Post w/Riveted Cap	13
5	CH0940	108" Support Post w/Riveted Cap	5
6	CH2005	Transfer Station (36" Deck)	1
7	CH2530	12' Deck to Deck Kick Plate	3
8	UN2255	Approach Step For Transfer Station	1
9	CH2780	(1) Piece 360° Spiral Slide	1
10	CH2805	Spiral Slide Entry Support Bracket	1
11	CH2970	90° Lightning Slide (36" Deck)	1
12	CH4090	Centerline Pipe Wall Barrier	2
13	CH5790	10' Horizontal Loop Ladder	1
14	CH6960	Up And Over Climber w/156" Support Post	1
15	CH6970	Climb Across	1
16	CH6441	10' Vinyl Coated Chain Bridge	1
17	CH6550	10' Adventure Bridge	1
18	CH7410	Deep Rung Arch Climber (48" Deck)	1
19	CH7510	Ladder Climber (60" Deck)	1
20	CH7550	(1) Climbing Rung w/(2) Activity Barriers	1
21	UN7650	Tree Climber Assembly (36" Deck)	1
22	UN7850	Beanstalk Climber (36" Deck)	1
23	CH9990	Challenger Tools & Additional Parts Kit	1
24	UN9910	Surfacing Warning Label Kit	1
25	UN9930	Maintainence Kit	1

The modular unit will accommodate approximately 67 users and take approximately 64.4 hours to install by a professional installation team of 3 people. The modular unit will also require approximately 3.84 yards of concrete for footings.

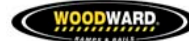
Page 1 of 1



Park Forest Elem. School

CHALLENGER

DRAWING NUMBER: 981462



VIP-601

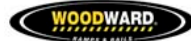
Design No: VIP-601 - Bill of Materials

Ref. No.	Part Number	Description	Quantity
Climbers			
1	ZZUN0176	ROCKBLOCKS Z SUPPORT (60in WALL)	1
2	ZZUN0177	ROCKBLOCKS Z SUPPORT (84in WALL)	1
3	ZZUN8356	ROCKBLOCKS TRI LADDER (84in WALL)	1
4	ZZUN8357	ROCKBLOCKS KINKED WALL (84in)	2
5	ZZUN8360	ROCKBLOCKS END WALL (60in)	2
6	ZZUN8369	ROCKBLOCKS END WALL (84in)	1
7	ZZUN8370	ROCKBLOCKS 90 DEGREE WALL (84in TO 60in) RIGHT	1
8	ZZUN8376	ROCKBLOCKS LADDER (60in TO 84in WALL)	1
Additional Tool & Maintenance Kits			
9	ZZCHGUID	CHALLENGER GUIDELINES	1
10	ZZUN9910	SURFACING WARNING LABEL KIT	1
11	ZZUN9930	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	1
12	ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	1

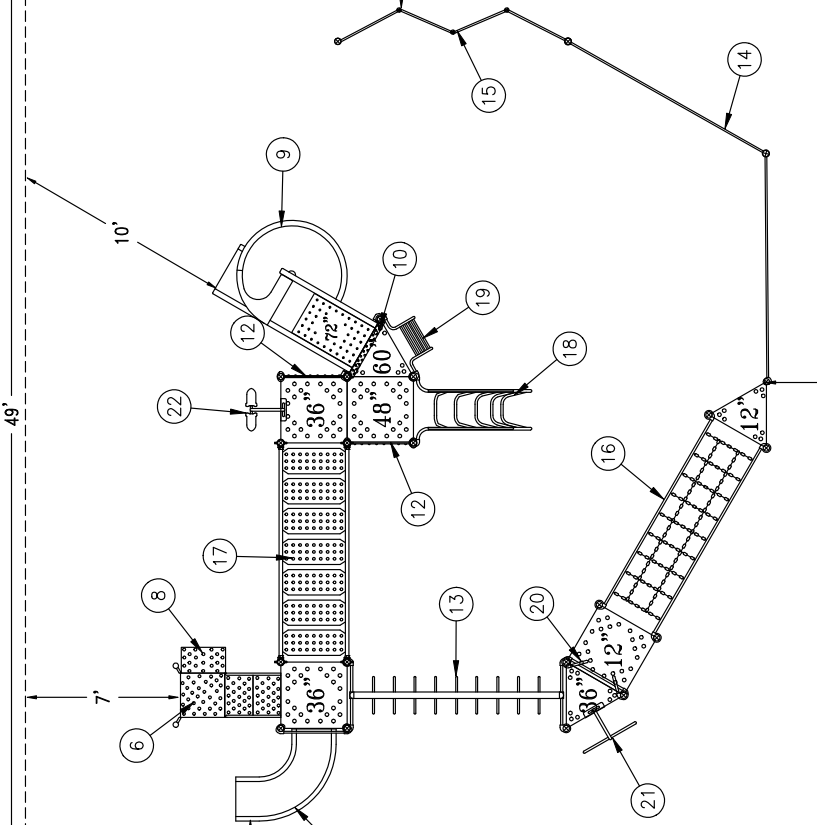
350-FF_C

Design No: 350-FF_C - Bill of Materials

Ref. No.	Part Number	Description	Quantity
Posts			
1	ZZCH0009GZ	3.5in OD x 112in GROUND ZERO POST	2
Balance			
2	ZZCH6906	FLIP FLOP	1
Additional Tool & Maintenance Kits			
3	ZZCHGUID	CHALLENGER GUIDELINES	1
4	ZZUN9910	SURFACING WARNING LABEL KIT	1
5	ZZUN9936	MAINTENANCE BOOK	1
6	ZZUN9990	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	1

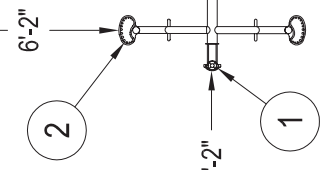


Playground Revitalization Programming Document | Stage College Area School District

Playground Revitalization Programming Document | Stage College Area School District

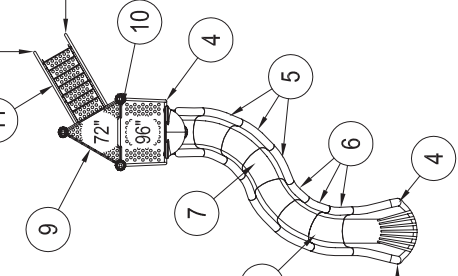
- 1) IT IS THE OPINION OF Playworld Systems THAT THIS DESIGN MEETS OR EXCEEDS THE REQUIREMENTS OF THE AMERICAN PLAYWAY ASSOCIATION (AAP) AND THE ADA (AMERICANS WITH DISABILITIES ACT) IF THE FINISHED PLAY AREA INCLUDES AN ACCESSIBLE PORTION OF THE PLAY AREA TO THE ACCESSIBLE PORTIONS OF THIS PLAY STRUCTURE.
- 2) KICK PLATES ARE TO BE INSTALLED BETWEEN ALL 7' & 12" DECK INCREMENTS.
- 3) THE UNIT OF MEASURE LOCATED IN THE CENTER OF THE PLATFORM INDICATES THE HEIGHT ABOVE THE PROTECTIVE SURFACING LEVEL.
- 4) THE STRUCTURE SIZE FOR THIS UNIT IS 43'X43'X12' INCLUDING OVERALL ZONE OF INFLUENCE. THE FINISHED PLAY SURFACE AREA IS 1960 SQ. FT.
- 5) THIS STRUCTURE IS DESIGNED TO ACCOMMODATE CHILDREN FROM 5 TO 12 YEARS OF AGE.

 PLAYWORLD SYSTEMS	PARK FOREST ELEMENTARY SCHOOL D/E PLAYGROUND	ELY ASSOCIATES P.O. Box 398 Carleise, PA. 17003	STRUCTURE SIZE	SCALE:	DATE:
			37' X 27'	3/16" = 1"0"	8-17-98
			DRAWING NO.	DRAWN BY:	
			SHEET 1 of 1	981462.ELY	M.ROMANIA



PROJECT NO: 350-FF.DIR	REV: C	DATE: 08-FEB-06
STRUCTURE SIZE: 6'4" X 6'4" X 6'		SCALE: 1/4" = 1'-0"
SITE PLAN		DRAWN BY: CHIP ZECHMAN

PLAYWORLD™
When trust matters™
© 2004 Newmont Mining, Inc.



NOTES:

- 1) This play system was designed to comply with the accessibility guidelines for Buildings and Facilities, effective November 17, 2000, as published by the Architectural and Transportation Barriers Compliance Board, based on the criteria listed below. Contact the manufacturer for more information to make any necessary changes to the design.
- a) An accessible route must be provided to the play area.
- b) Of the 10 devoted play activities, 1 must be along an accessible route.
- c) 10 devoted play activities are accessible by transfer station.
- d) 10 devoted play activities of 10 types of ground level play must be provided as follows:
 - 1) 10 types of U types of ground level play are provided, 5.6.2.2.
 - 2) At least one of each type of ground level play activity must be along an accessible route.
- 2) This system is designed to accommodate the actual site area for the purchase or installation of equipment.
- 3) ME4 plates must be installed between 12" deck treatments. The type of measure located in the center of the platform.
- 4) The structure is designed to accommodate a 10' height of at least 8' FL.
- 5) The structure size for this unit is 10' x 17'4" x 125" of square protective surfacing for an overall use zone of 10' x 17'4" x 125".
- 6) This structure is designed to accommodate 6 children from 5 to 12 years of age.
- 7) 12 pieces of play.
- 8) To ensure that accurate measurements are obtained from this drawing, print copies on 11" paper at full scale.
- 9) This design conformation is the property of this firm and Playworks Systems and may not be reproduced or used in any form without the written consent of Playworks Systems and Playworld Systems.

PROJECT NO:	REV:	DATE:
061169.ELY	-	9-MAR-06
STRUCTURE SIZE:		
108" x 174" x 126"		
SCALE:		3/16" = 1'-0"
DRAWN BY:		KYLE FAIT
SITE PLAN		

PLAYWORLD™
PARK FOREST ELEMENTARY SCHOOL



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0007
STEEL SUPPORT POST
100 in. (2540 mm) with Cap

Installation Preparation . . .	
Installation Time:	Approx. 1 hour
Weight:	33 Lbs. (15 Kilos)
Concrete Required:	Approx. 3.4 cubic feet
Use Zone:	6 ft. (1829 mm) all sides
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0028
STEEL SUPPORT POST
136 in. (3454 mm) with Cap

Installation Preparation . . .	
Installation Time:	Approx. 1 hour
Weight:	45 Lbs. (20 Kilos)
Concrete Required:	Approx. 3.4 cubic feet
Use Zone:	6 ft. (1829 mm) all sides
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0038
STEEL SUPPORT POST
148 in. (3759 mm) with Cap

Installation Preparation . . .	
Installation Time:	Approx. 1 hour
Weight:	49 Lbs. (22 Kilos)
Concrete Required:	Approx. 3.4 cubic feet
Use Zone:	6 ft. (1829 mm) all sides
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0048
STEEL SUPPORT POST
160 in. (4064 mm) with Cap

Installation Preparation . . .	
Installation Time:	Approx. 1 hour
Weight:	52 Lbs. (23 Kilos)
Concrete Required:	Approx. 3.4 cubic feet
Use Zone:	6 ft. (1829 mm) all sides
Torque Specification:	
Bolts & Nuts:	Snug tighten and tighten an additional one-half turn.
Set Screws:	Snug tighten and tighten an additional full turn.
Maintenance . . .	
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.	





Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0058
STEEL SUPPORT POST
172 in. (4369 mm) with cap

Installation Preparation . . .
Installation Time: Approx. 1 hour
Weight: 56 Lbs. (25 Kilos)
Concrete Required: Approx. 3.4 cubic feet
Use Zone: 6 ft. (1829 mm) all sides

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



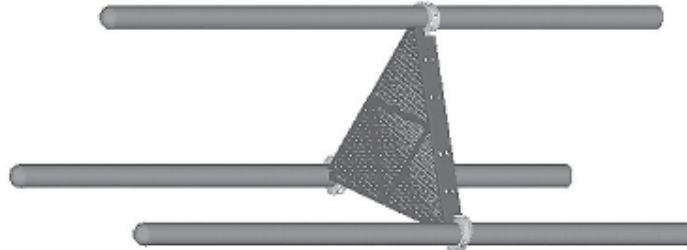
Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0068
STEEL SUPPORT POST
184 in. (4674 mm) with Cap

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 57.1 Lbs. (26 Kilos)
Concrete Required: 0.13 cubic yards
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
• Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH0617
TRIANGULAR PLAYARMOUR® PERFORATED DECK

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 38.4 Lbs. (17.4 Kilos)
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 2 - 12 years

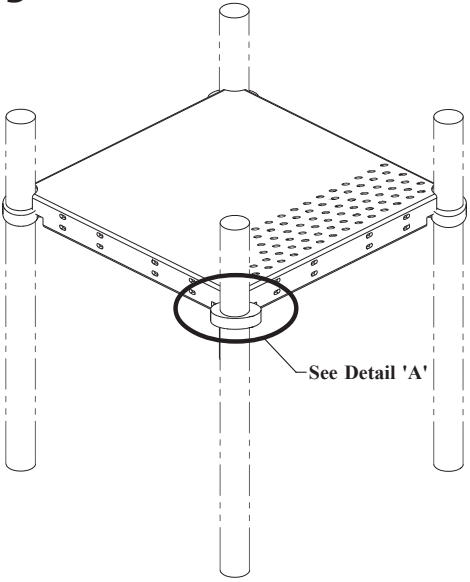
Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .
• Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
• Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

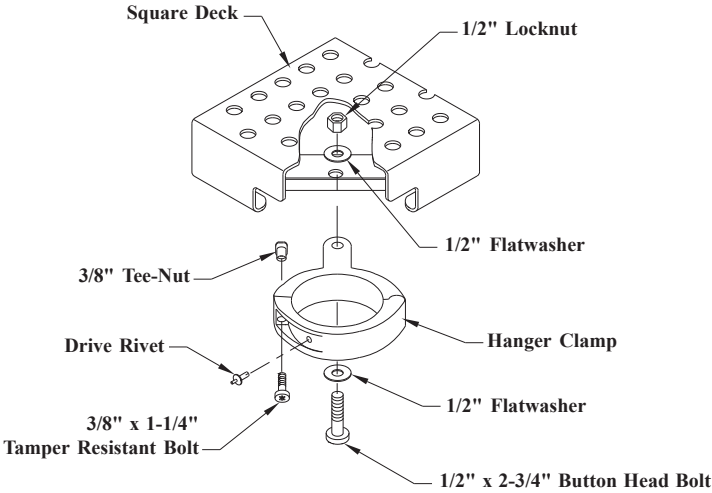


CHALLENGER

SQUARE VINYL DECK
MODEL CH0775



ASSEMBLY VIEW

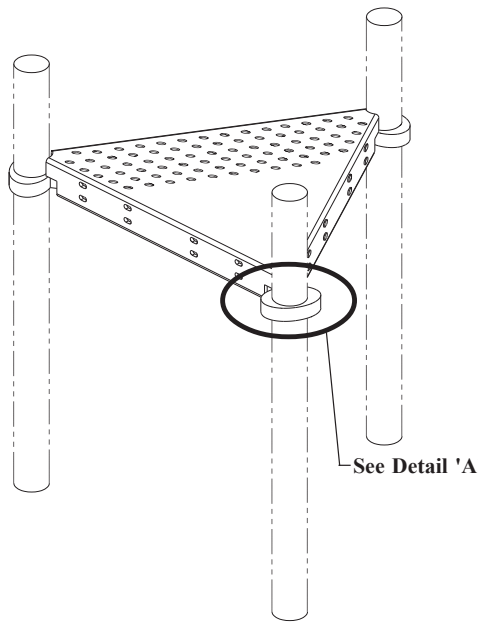


DETAIL 'A'

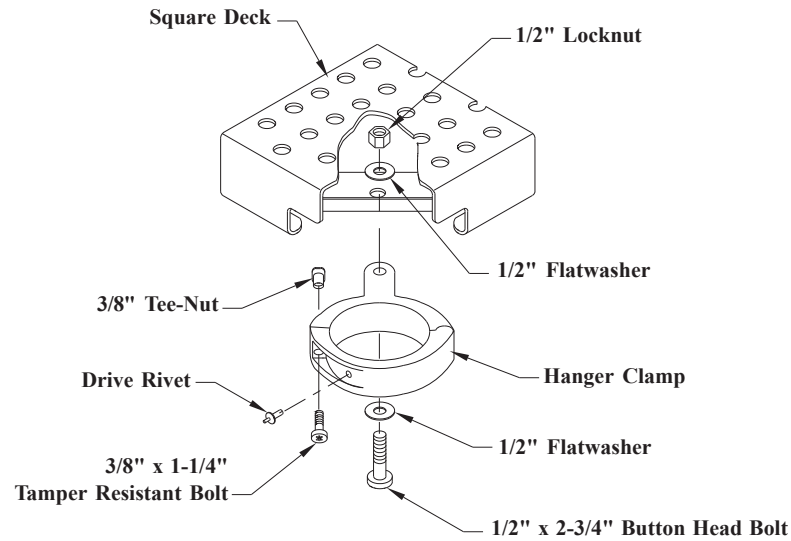


TRIANGULAR VINYL DECK

MODEL CH0795



ASSEMBLY VIEW



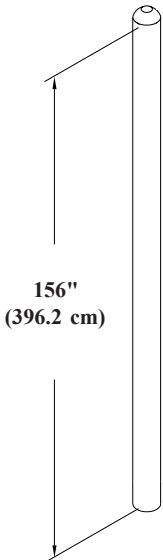
DETAIL 'A'



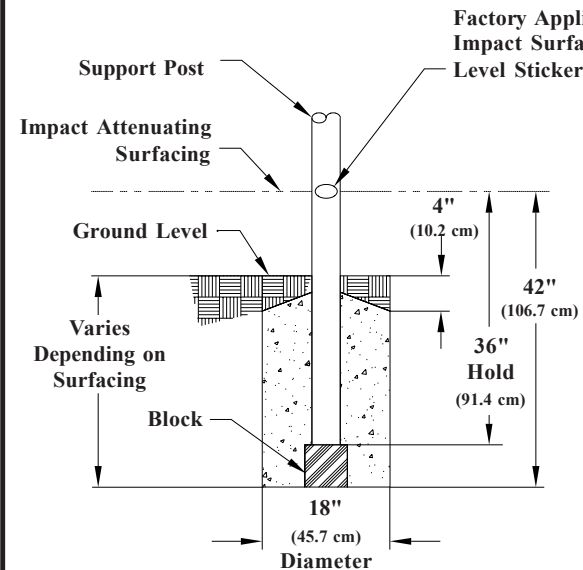
NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

156" (396.2 cm) POST

WITH RIVETED CAP
MODEL CH0920



ASSEMBLY VIEW



SUPPORT POST
FOOTING DETAIL

Footing Notes:

A. Footing depth equals 42" less the depth of the impact attenuating surfacing material. Example: If 12" of wood mulch is used for surfacing, the footing depth would be 30".

B. All 3-1/2" O.D. Challenger support posts shall have a factory applied sticker with line designating placement of post in relationship to depth of impact attenuating surfacing on a level and clear installation site.

C. If play unit installed on uneven terrain, maintain support post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Support Posts and all attaching decks and play components must be plumb and level.

D. Footing size may vary due to local soil and weather conditions.

E. Base of footing must be below frost line.

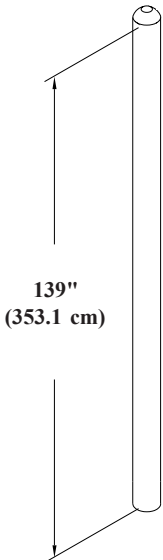
F. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).



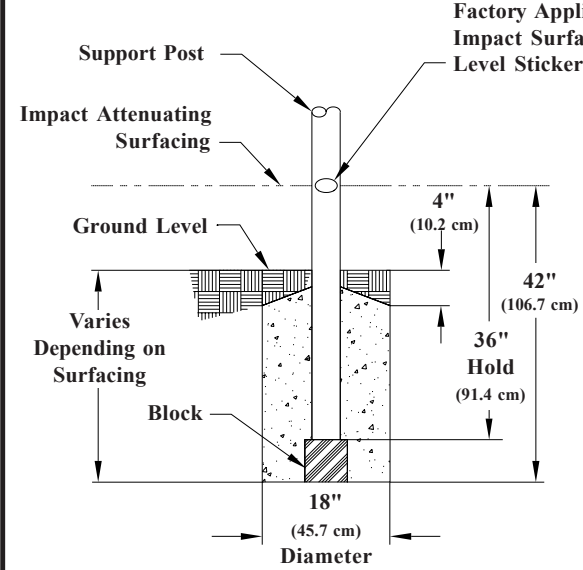
NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

139" (353.1 cm) POST

WITH RIVETED CAP
MODEL CH0930



ASSEMBLY VIEW



SUPPORT POST
FOOTING DETAIL

Footing Notes:

A. Footing depth equals 42" less the depth of the impact attenuating surfacing material. Example: If 12" of wood mulch is used for surfacing, the footing depth would be 30".

B. All 3-1/2" O.D. Challenger support posts shall have a factory applied sticker with line designating placement of post in relationship to depth of impact attenuating surfacing on a level and clear installation site.

C. If play unit installed on uneven terrain, maintain support post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Support Posts and all attaching decks and play components must be plumb and level.

D. Footing size may vary due to local soil and weather conditions.

E. Base of footing must be below frost line.

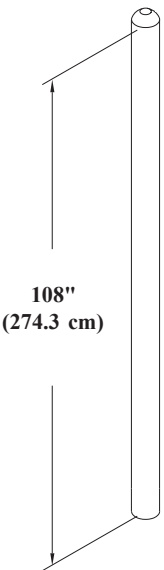
F. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).



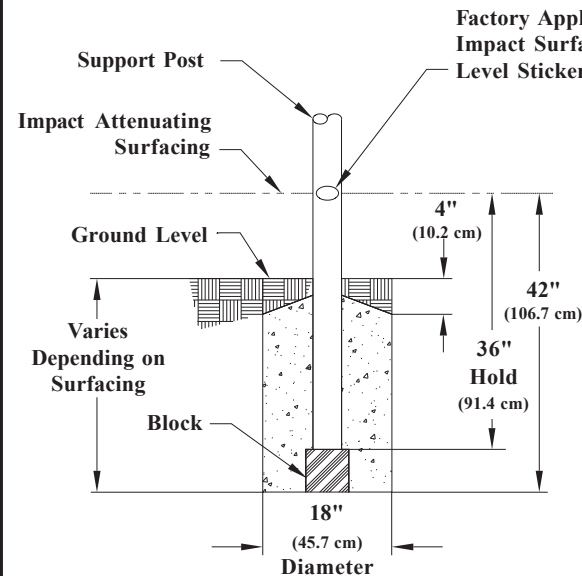
NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

108" (274.3 cm) POST

WITH RIVETED CAP
MODEL CH0940



ASSEMBLY VIEW



SUPPORT POST
FOOTING DETAIL

Footing Notes:

A. Footing depth equals 42" less the depth of the impact attenuating surfacing material. Example: If 12" of wood mulch is used for surfacing, the footing depth would be 30".

B. All 3-1/2" O.D. Challenger support posts shall have a factory applied sticker with line designating placement of post in relationship to depth of impact attenuating surfacing on a level and clear installation site.

C. If play unit installed on uneven terrain, maintain support post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Support Posts and all attaching decks and play components must be plumb and level.

D. Footing size may vary due to local soil and weather conditions.

E. Base of footing must be below frost line.

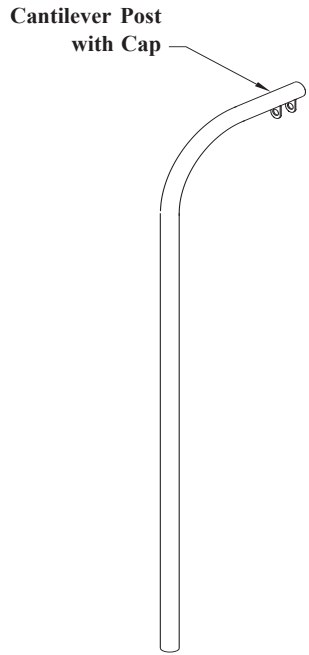
F. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).



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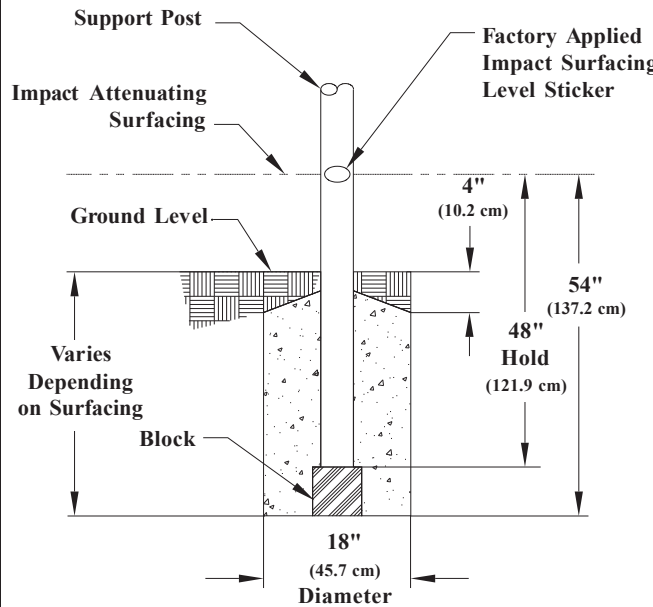
CANTILEVER POST

GROUND ZERO
MODEL CH1850



CANTILEVER POST

ASSEMBLY VIEW



FOOTING DETAIL

Footing Notes:

- A. Footing depth equals 54" less the depth of the impact attenuating surfacing material. Example: If 12" of wood mulch is used for surfacing, the footing depth would be 42".
- B. All 3-1/2" O.D. Challenger cantilever posts shall have a factory applied sticker with line designating placement of post in relationship to depth of impact attenuating surfacing on a level and clear installation site.
- C. If play unit installed on uneven terrain, maintain cantilever post mark at impact attenuating surface level at lowest grade. Adjust other footings accordingly. Cantilever Posts and all attaching decks and play components must be plumb and level.
- D. Footing size may vary due to local soil and weather conditions.
- E. Base of footing must be below frost line.
- F. Comparison of impact attenuating surfacing materials available in Playground Surfacing Technical Information Guide published by (C.P.S.C.).



NEW BERLIN, PA 17855

800 233-8404

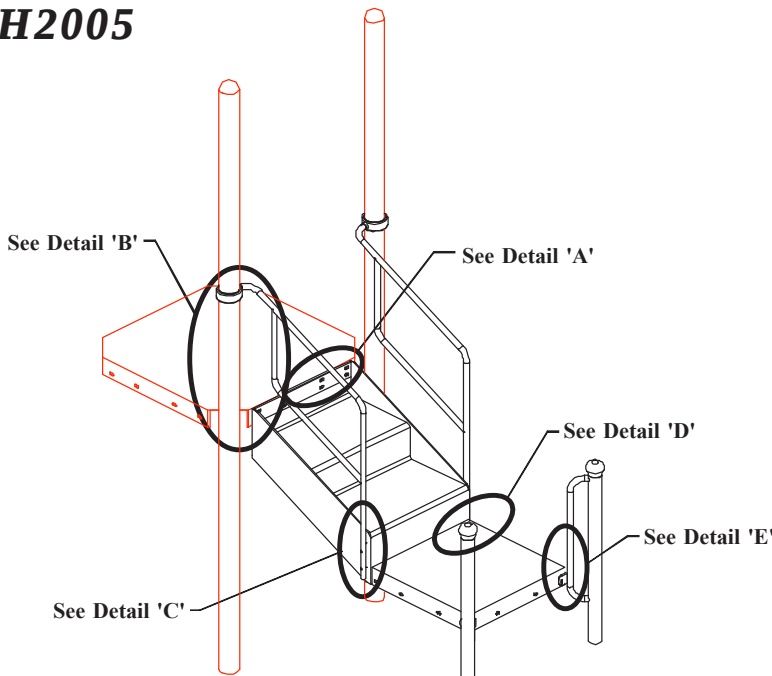
FAX: 717 966-3030

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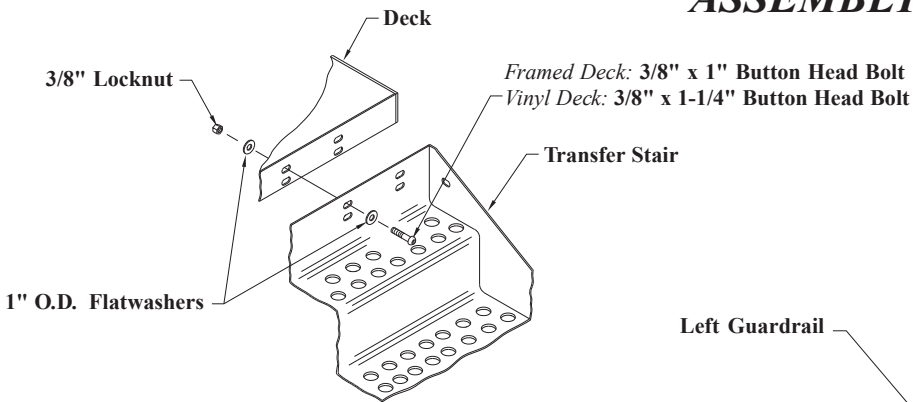
SE1963

TRANSFER STATION

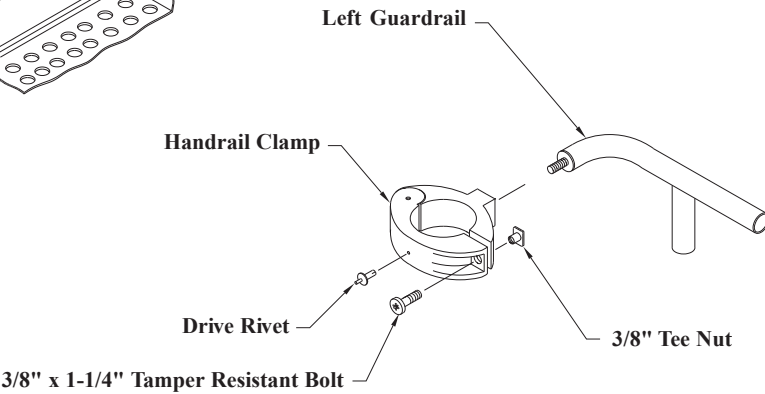
MODEL CH2005



ASSEMBLY VIEW



DETAIL 'A'



DETAIL 'B'



NEW BERLIN, PA 17855

800 233-8404

FAX: 717 966-3030

Page 1 of 5

SE2132

TRANSFER STATION

PLAYWORLD
When trust matters™

INSTALLATION INSTRUCTIONS

CHALLENGERS®
MODEL CH2530

12 in. (305 mm) DECK TO DECK KICKPLATE

Installation Preparation . . .

Recommended Crew: One (1) adult
Installation Time: 0.5 hour
Weight: 8.8 Lbs. (4 Kilos)
User Group (ages): 2 - 12 years (ASTM/CSA), 2-14 (EN)

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Maintenance . . .

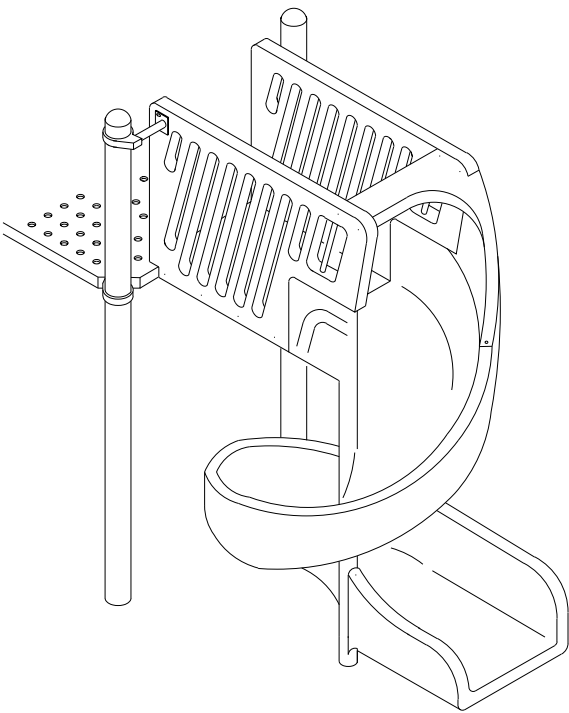
- Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with the appropriate standard for your location appropriate for the fall height of each structure.
- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Page 1 of 3

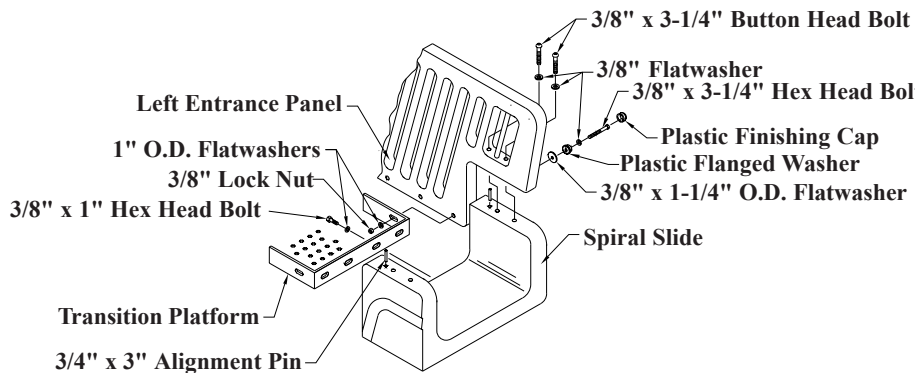
360° SPIRAL SLIDE

ONE PIECE
MODEL CH2780

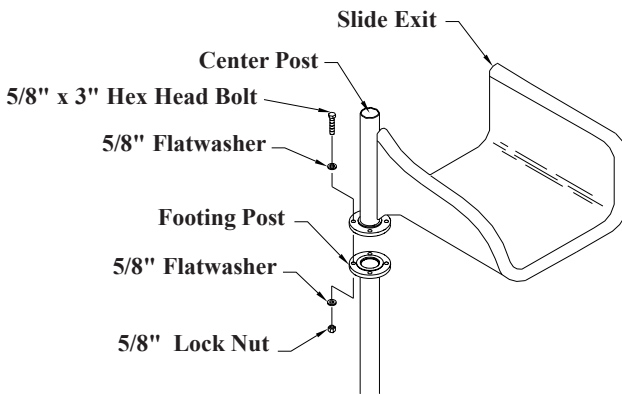


360° SPIRAL SLIDE

ASSEMBLY VIEW



DETAIL 'A'



DETAIL 'B'



NEW BERLIN, PA 17855

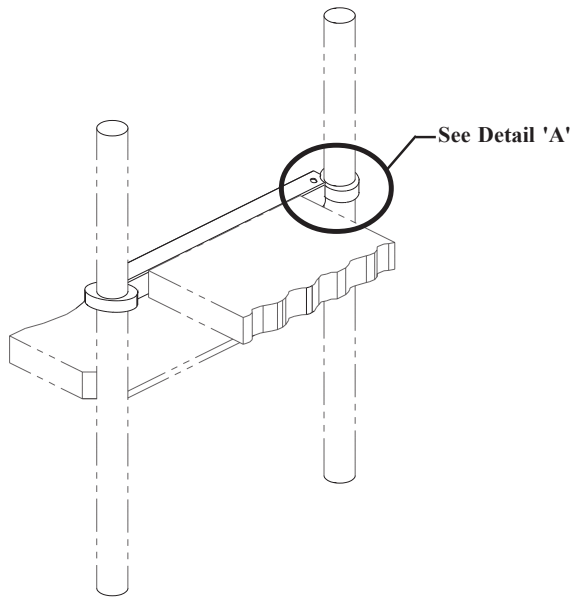
800 233-8404

FAX: 717 966-3030

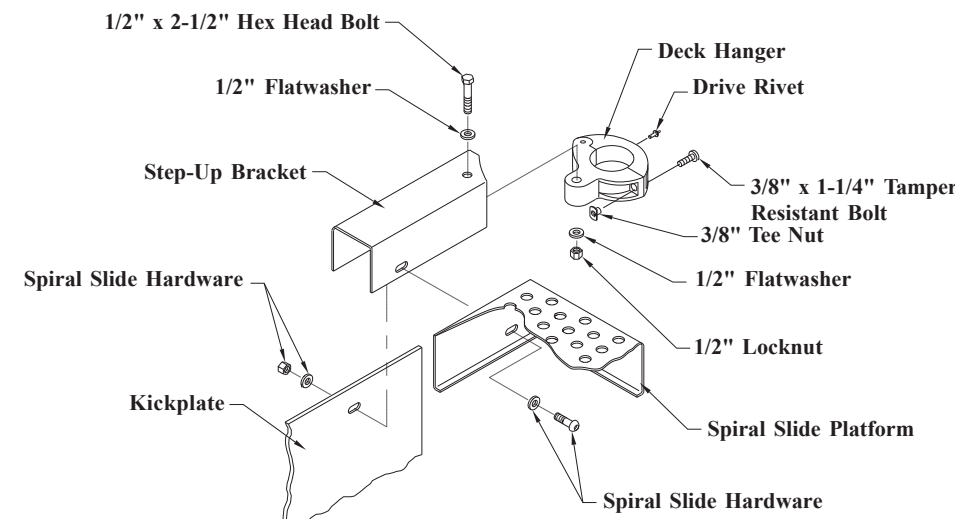
Page 1 of 4

ECN-65

STEP-UP BRACKET
MODEL CH2805



ASSEMBLY VIEW



DETAIL 'A'



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Page 1 of 2

PA504

STEP-UP BRACKET



INSTALLATION INSTRUCTIONS
CHALLENGERS[™]
MODEL CH2930
LIGHTNING SLIDE
72" (1829 mm) Deck

Installation Preparation . . .

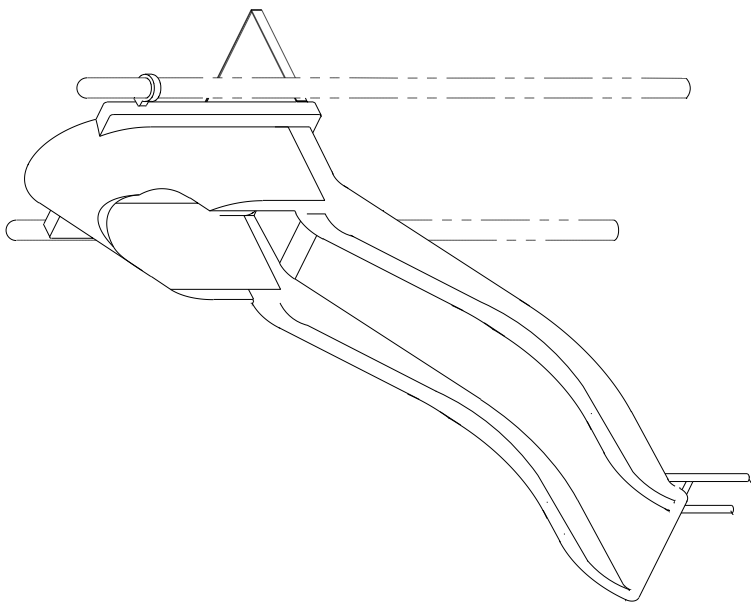
Installation Time: Approx. 2 hours
Weight: 143 Lbs. (65 Kilos)
Concrete Required: Approx. 1-1/2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

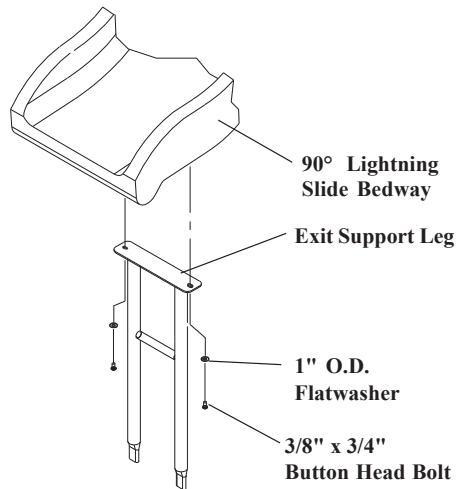
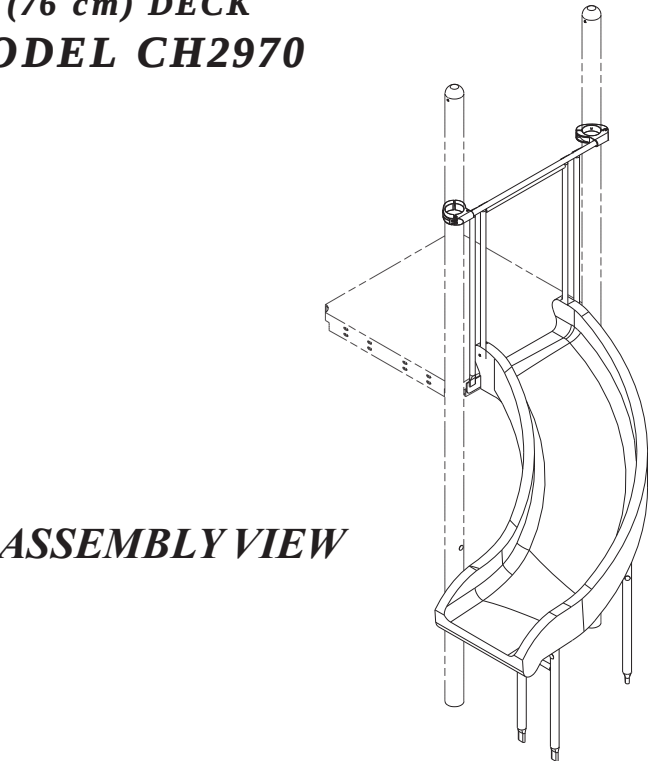
Page 1 of 7

Model CH2930
ECN-147



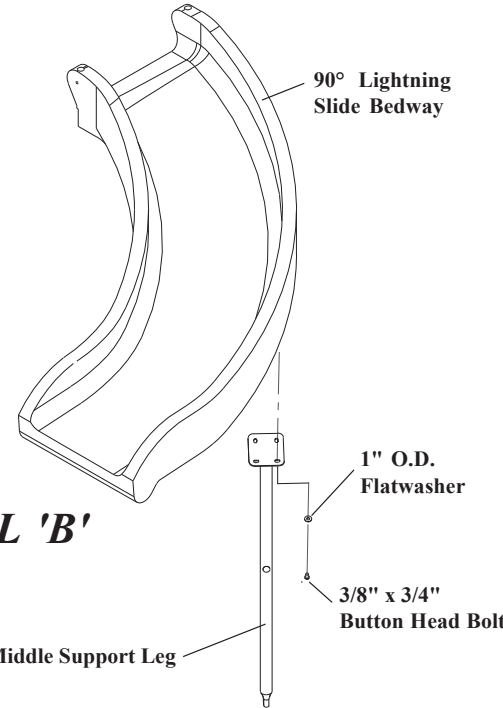
90° LIGHTNING SLIDE
36" (76 cm) DECK
MODEL CH2970

ASSEMBLY VIEW



DETAIL 'A'

DETAIL 'B'



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Page 1 of 4

SE-2173

LIGHTNING SLIDE



INSTALLATION INSTRUCTIONS
CHALLENGERS[®]
MODEL CH3148
SLITHER SLIDE
(Balcony Attachment)

Installation Preparation . . .

Recommended Crew: Two (2) adults
Installation Time: See table on Page 3
Weight: 162.1 Lbs. (73.7 Kilos)
Concrete Required: 0.03 cubic yards per support post
Use Zone: See table on Page 3 for use zone at the slide exit

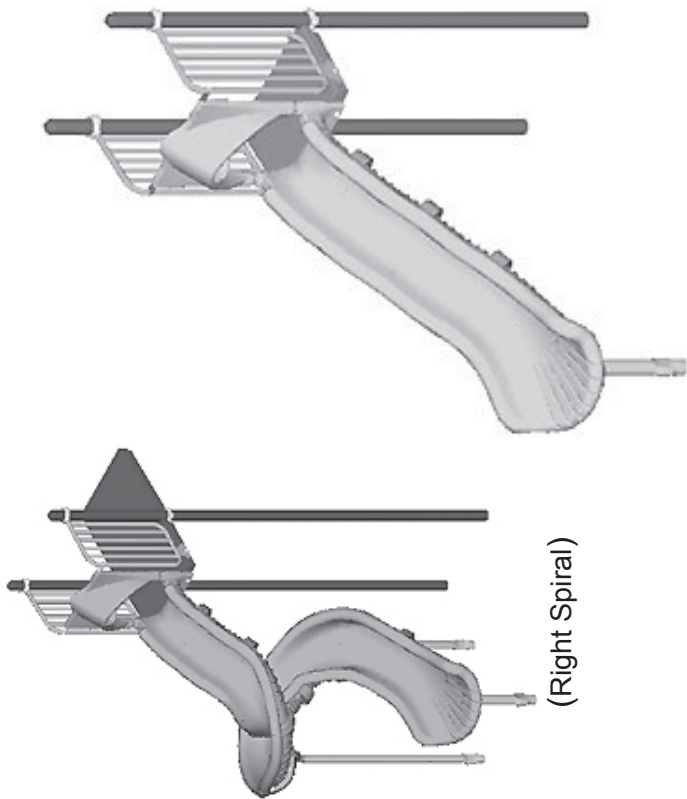
User Group: Ages 2 - 12 years for slides 48"/60" height
Ages 5 - 12 years for slides 48"/108" height

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems[®] strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems[®] strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly Views

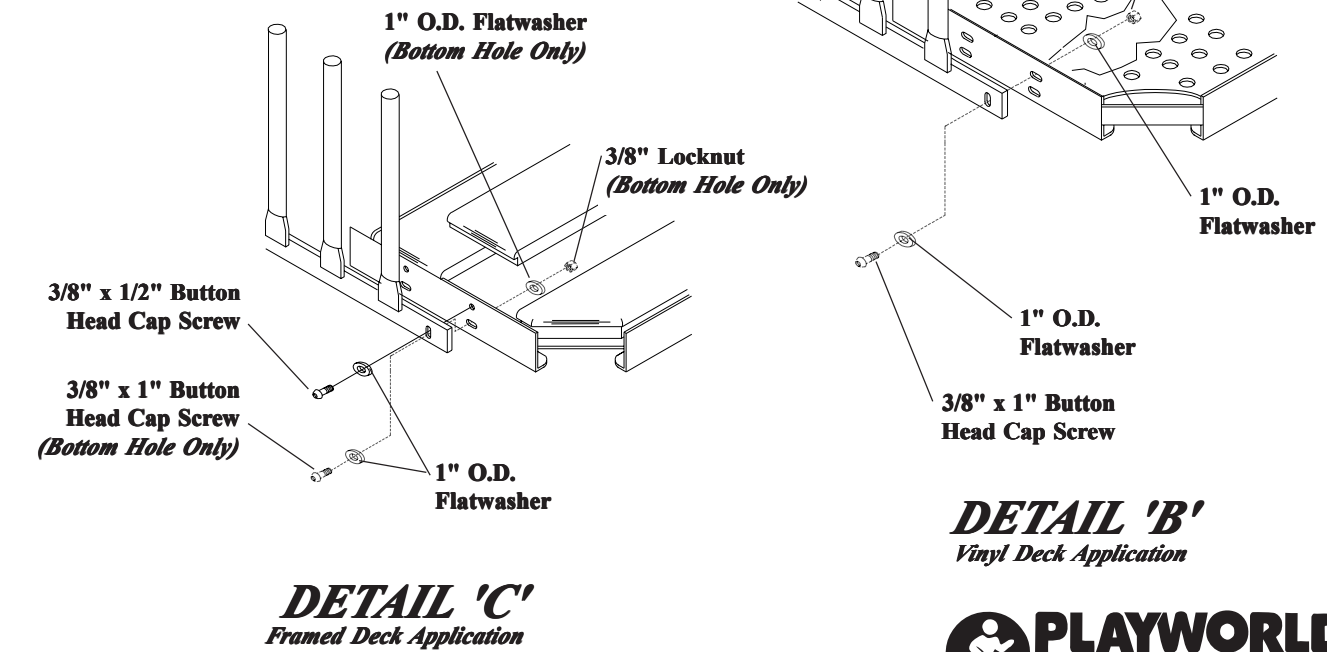
View shown above is for visual reference only and may not be your configuration

Page 1 of 13

Model CH3148
ECN1232



PIPE WALL BARRIER



SE-2166

CHALLENGERS®
MODEL CH4095
CENTERLINE PIPE WALL BARRIER



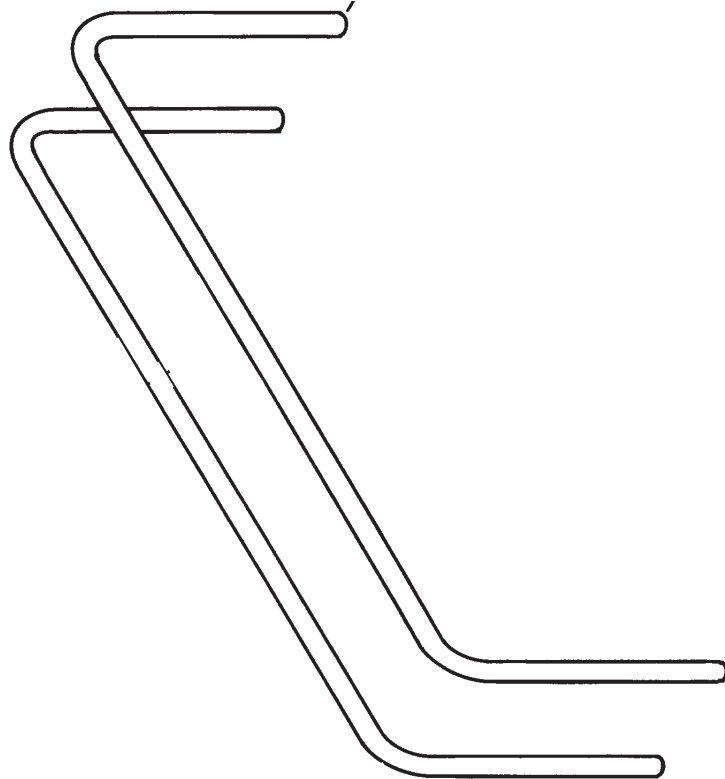
Model CH4095
PA-835



Model CH5670
SE-2176



Model CH5730
ECN-120



Assembly View

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 2 hours
Weight: 103 Lbs. (46.8 Kilos)
Concrete Required: .12 cubic yard
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 and up

Maintenance . . .

- Playworld Systems[®] strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems[®] strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



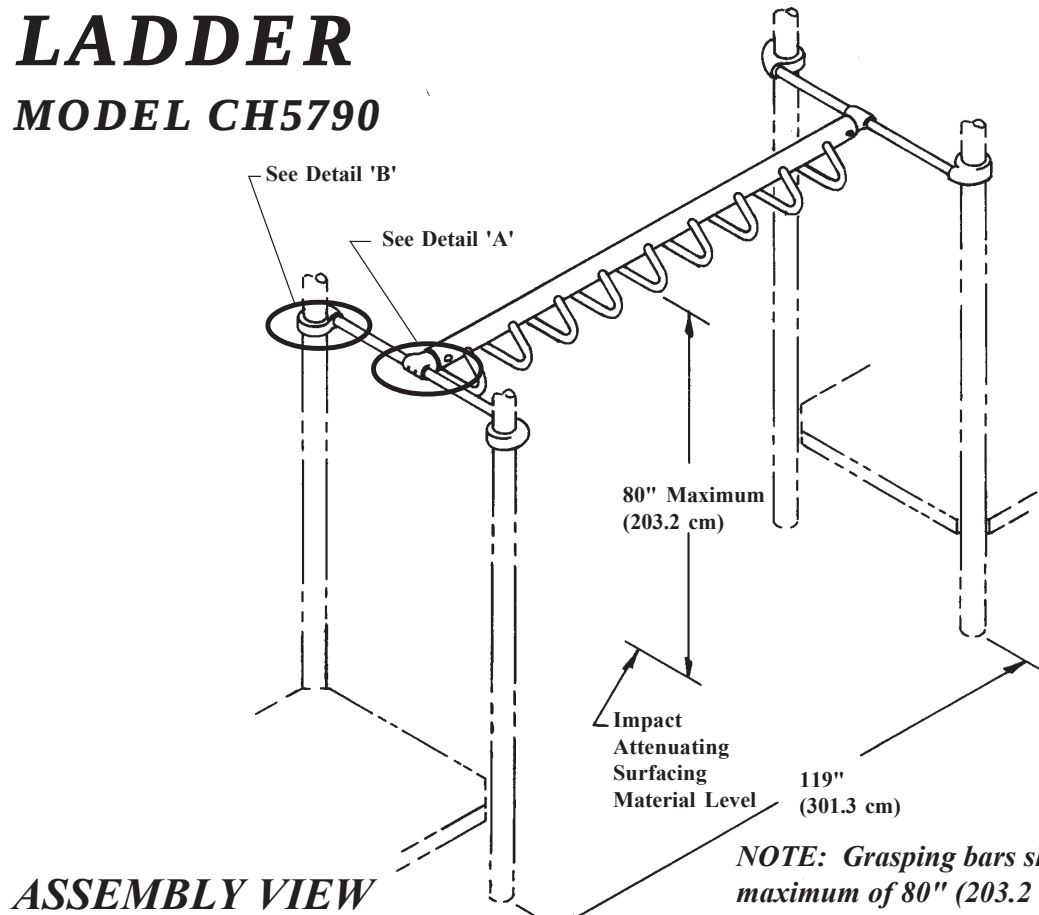
Model CH5750
SE-1770

Page 1 of 4

CHALLENGER

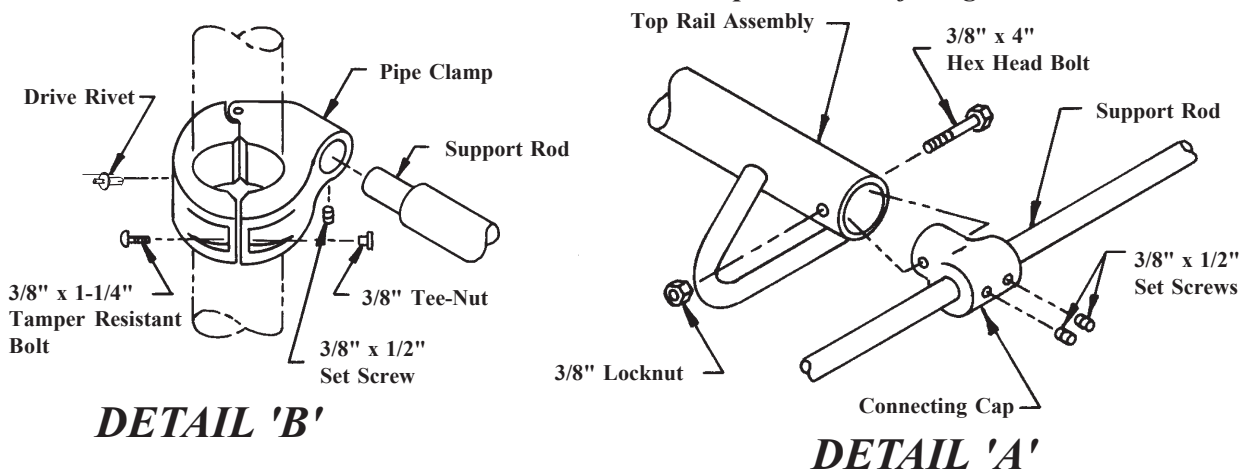
HORIZONTAL LOOP LADDER

MODEL CH5790



ASSEMBLY VIEW

NOTE: Grasping bars should be a maximum of 80" (203.2 cm) above the protective surfacing.



DETAIL 'B'

DETAIL 'A'



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Page 1 of 2

SE1770

LOOP LADDER



INSTALLATION INSTRUCTIONS
CHALLENGERS[™]
MODEL CH6190
DECK TO DECK CLIMBER
24" (610 mm) Deck

Installation Preparation . . .

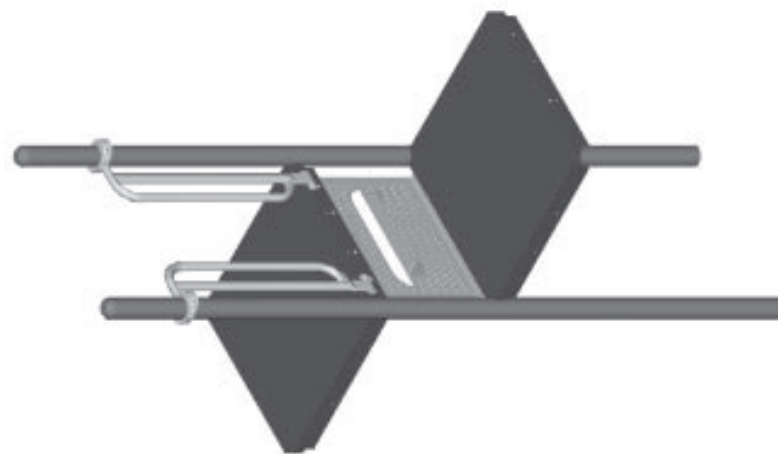
Installation Time: Approx. 3/4 hour
Weight: 42 Lbs. (19 Kilos)
User Group: Ages 2 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View



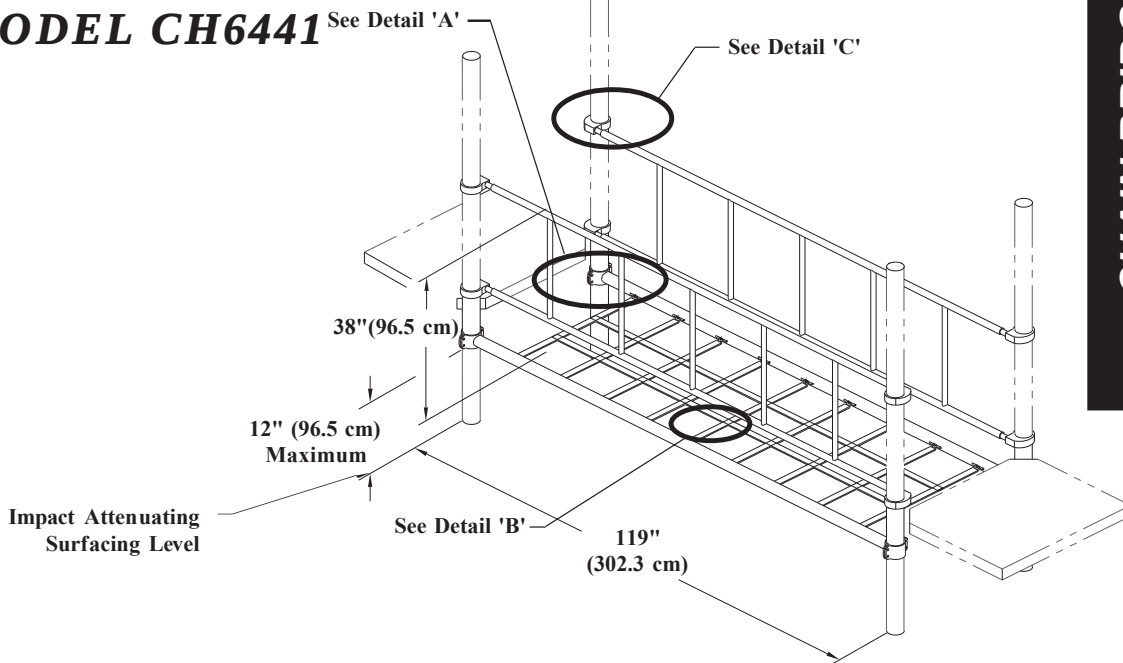
Model CH6190
PA-606

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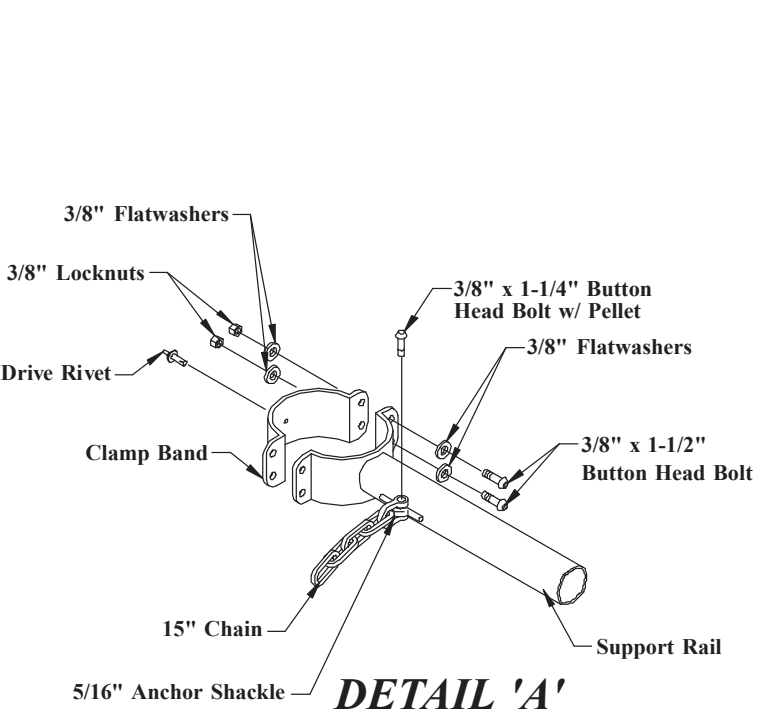
CHALLENGERS

CHAIN BRIDGE

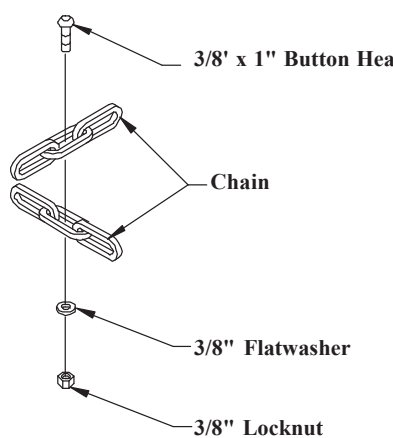
VINYL CHAIN
MODEL CH6441



ASSEMBLY VIEW



DETAIL 'A'



DETAIL 'B'

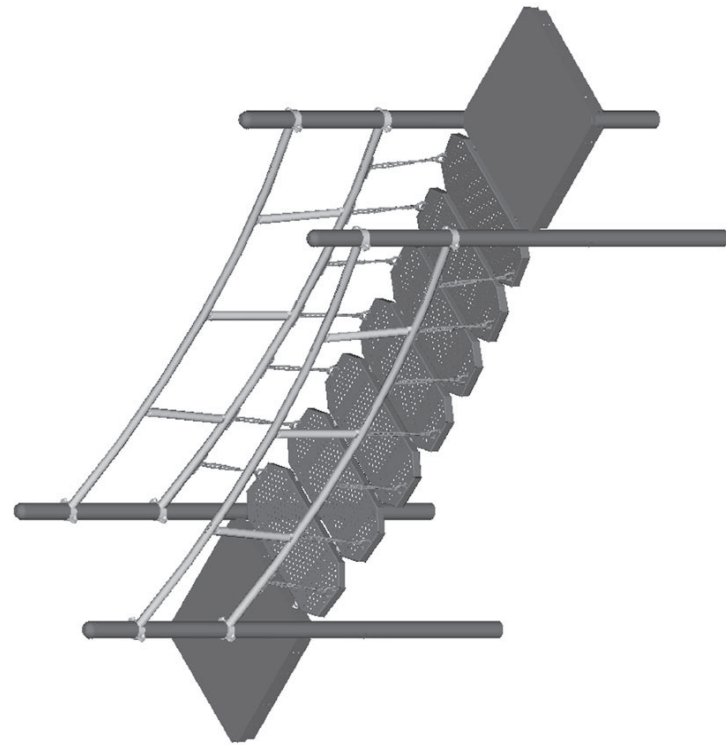


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SE2086

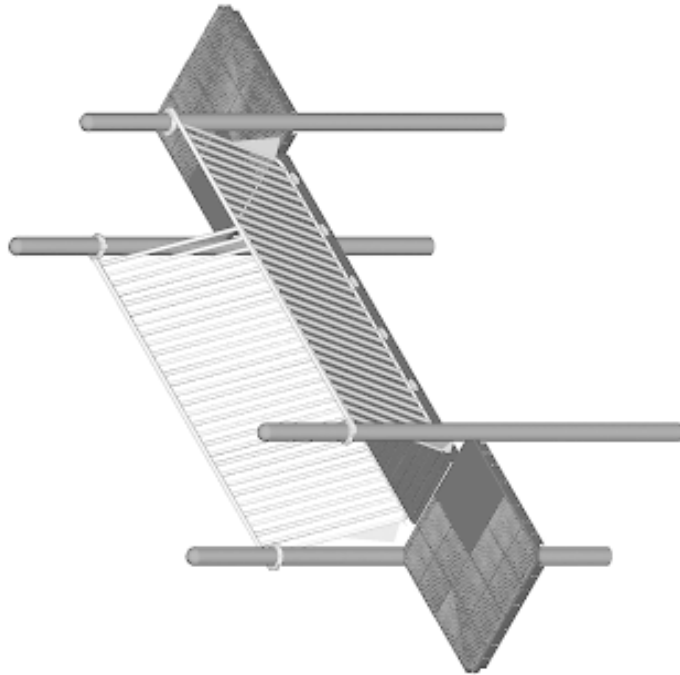
CHAIN BRIDGE



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS™
MODEL CH6550
ADVENTURE BRIDGE

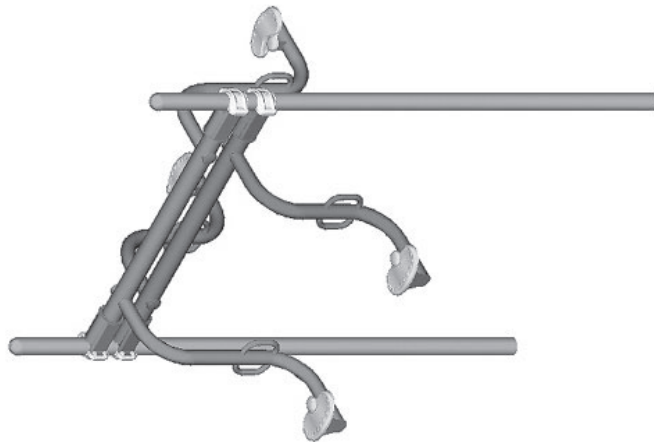
Installation Preparation . . .	Installation Time: Approx. 2 hours
	Weight: 269 Lbs. (121.1 Kilos)
	Use Zone: 6 ft. (1829 mm) all sides
Torque Specification:	Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
	Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . .	• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
	• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
	• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH6890
10 ft. (3048 mm) CATWALK

Installation Preparation . . .	Recommended Crew: Four (4) adults
	Installation Time: 5 man-hours
	Weight: 471.2 Lbs. (212 Kilos)
Torque Specification:	Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
	Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . .	• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
	• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
	• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

INSTALLATION INSTRUCTIONS
CHALLENGERS®
MODEL CH6906
FLIP FLOP

Installation Preparation . . .	Recommended Crew: Two (2) adults
	Installation Time: 2 man-hours
	Weight: 263.1 Lbs. (119.6 Kilos)
Torque Specification:	Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
	Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . .	• Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
	• Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
	• As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



CHALLENGERS™

UP & OVER

MODEL CH6960

ASSEMBLY VIEW

DETAIL 'A'

DETAIL 'B'

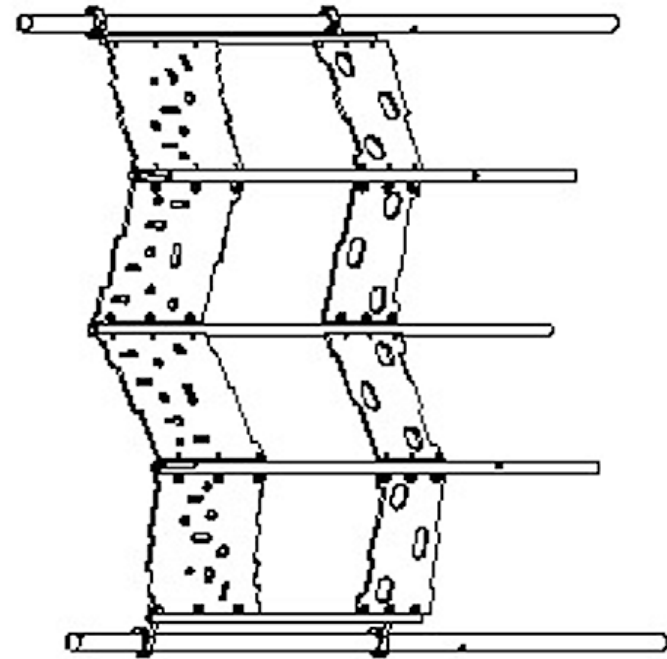
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SE-2100

PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds™

UP & OVER



Assembly View

GroundZero®

Installation Preparation . . .

Installation Time: Approx. 1 hour
Weight: 187 Lbs. (84.1 Kilos)
Concrete Required: Approx. 9 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

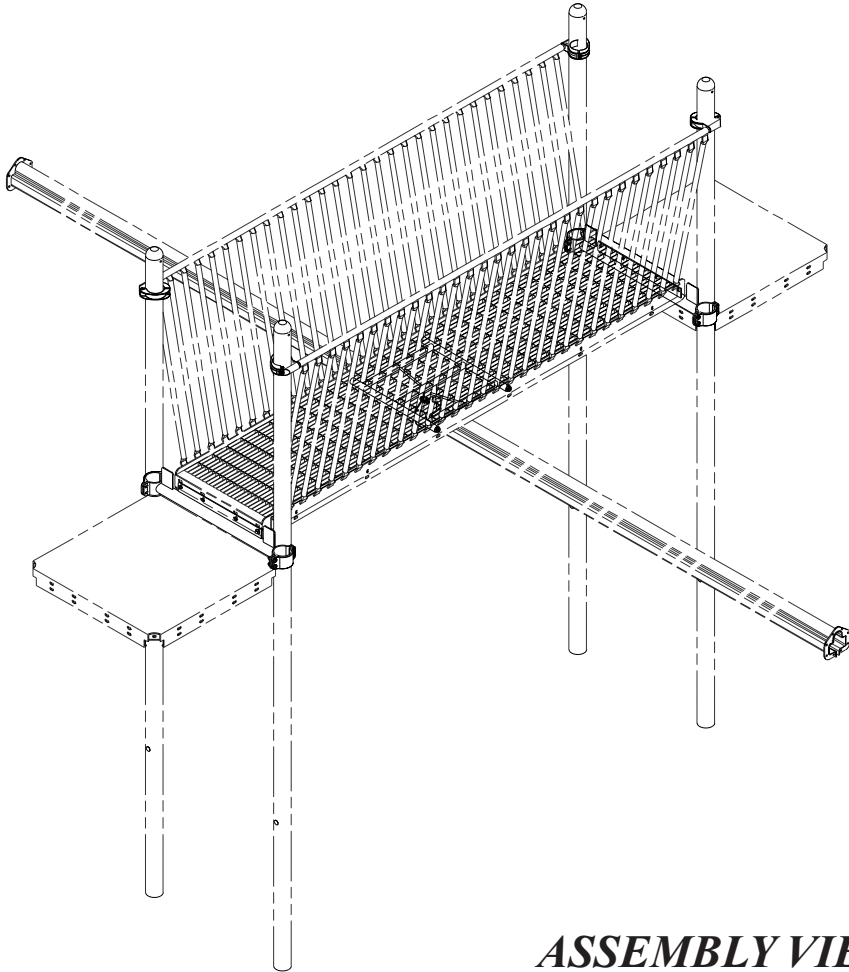
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

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Model CH6970
SE-2206

CHALLENGERS™

CATWALK OVERPASS KIT
MODEL CH7030



ASSEMBLY VIEW



NEW BERLIN, PA 17855

800 233-8404

FAX: 717 966-3030

Page 1 of 4

ECN-50

CATWALK

Installation Preparation . . .

Installation Time: Approx. 4 hours
Weight: 236 Lbs. (106.2 Kilos)
Concrete Required: Approx. 4.2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages : 5 - 12

Torque Specification:

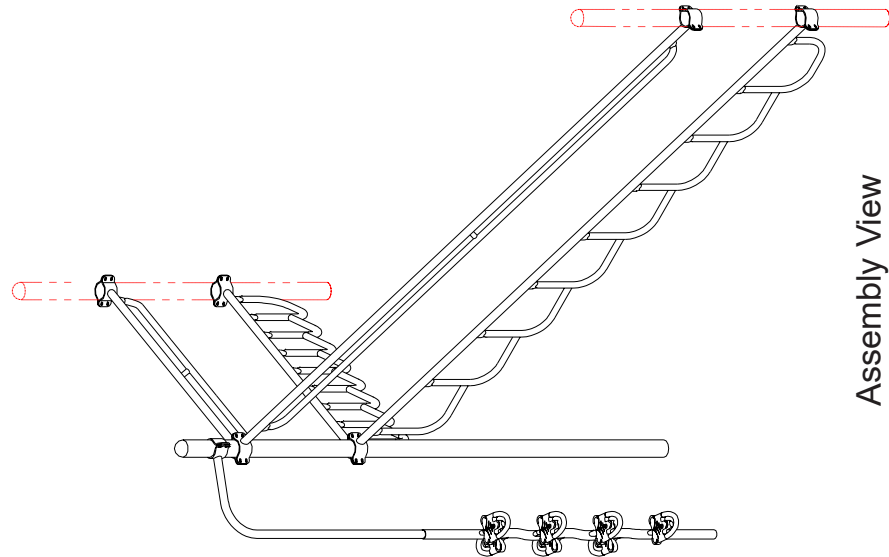
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Page 1 of 7

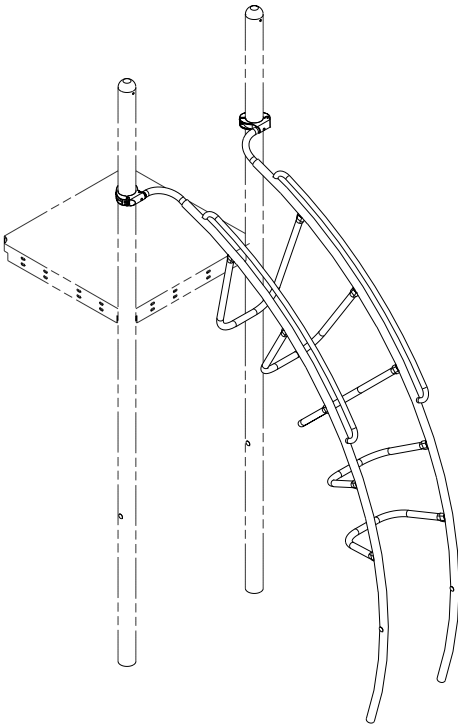
Model CH7290
PA-582



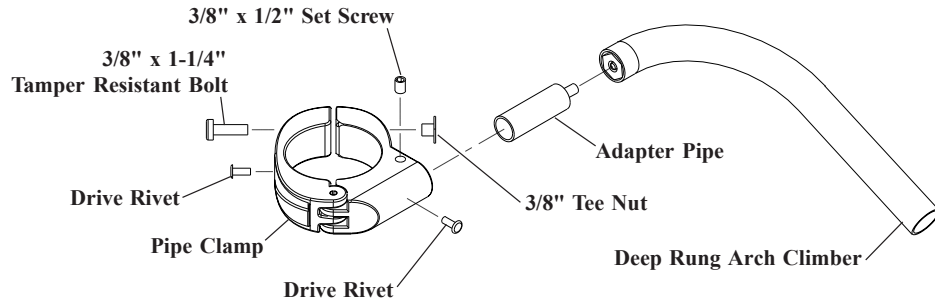
Assembly View

CHALLENGERS™

DEEP RUNG ARCH CLIMBER
48" (121.9 cm) DECK
MODEL CH7410



ASSEMBLY VIEW



DETAIL 'A'



NEW BERLIN, PA 17855

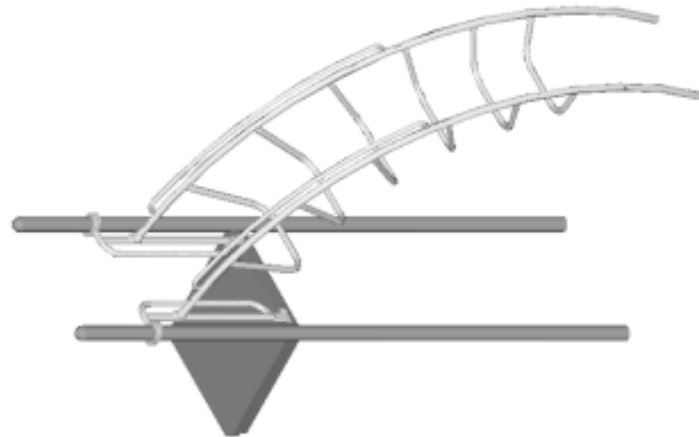
800 233-8404

FAX: 717 966-3030

Page 1 of 3

SE-2100

ARCH CLIMBER



Assembly View

Installation Preparation . . .

Installation Time: Approx. 1 hour
Weight: 100 Lbs. (45 Kilos)
Concrete Required: Approx. 2 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



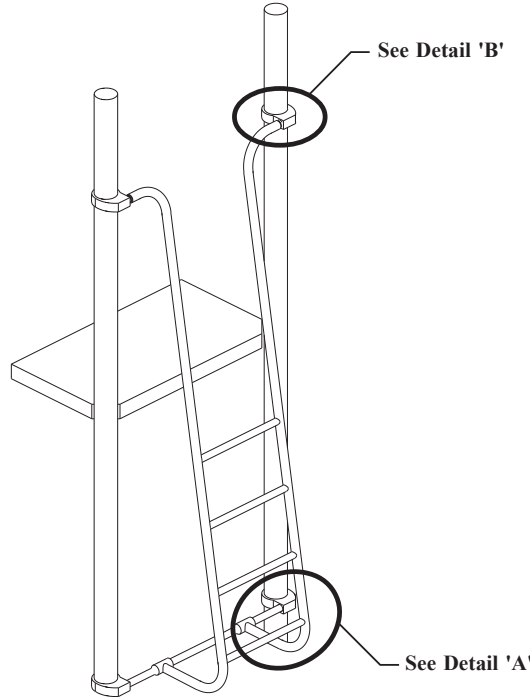
Model CH7420
ECN-150

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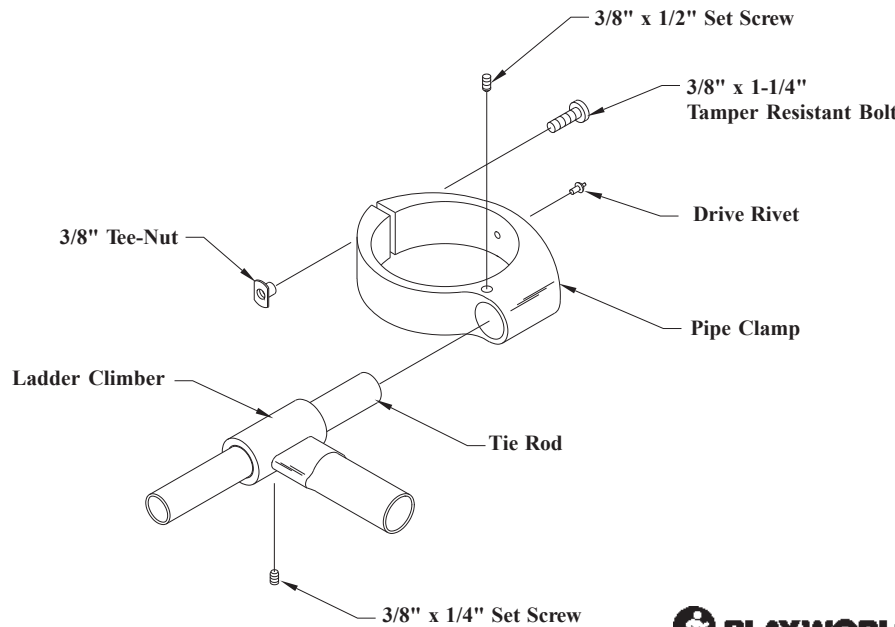
CHALLENGER

LADDER CLIMBER

48" (121.9 cm) DECK
MODEL CH7500



ASSEMBLY VIEW



DETAIL 'A'



NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

Page 1 of 3

SE1972

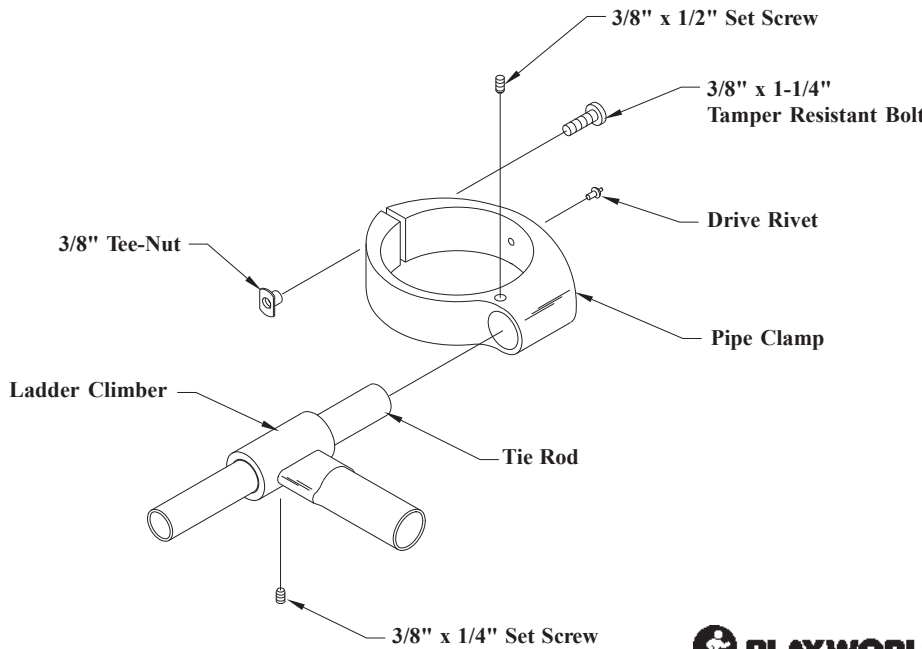
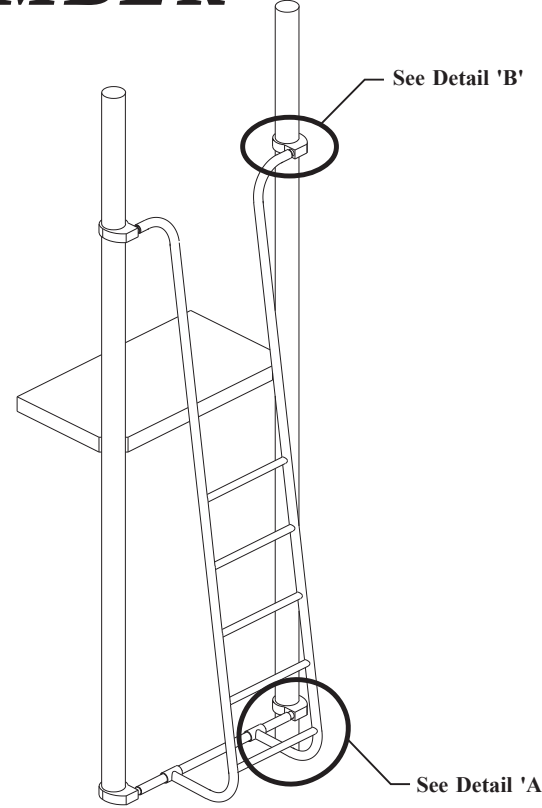
LADDER CLIMBER

CHALLENGER

LADDER CLIMBER

60" (152.4 cm) DECK
MODEL CH7510

ASSEMBLY VIEW



DETAIL 'A'



NEW BERLIN, PA 17855 800 233-8404 FAX: 717 966-3030

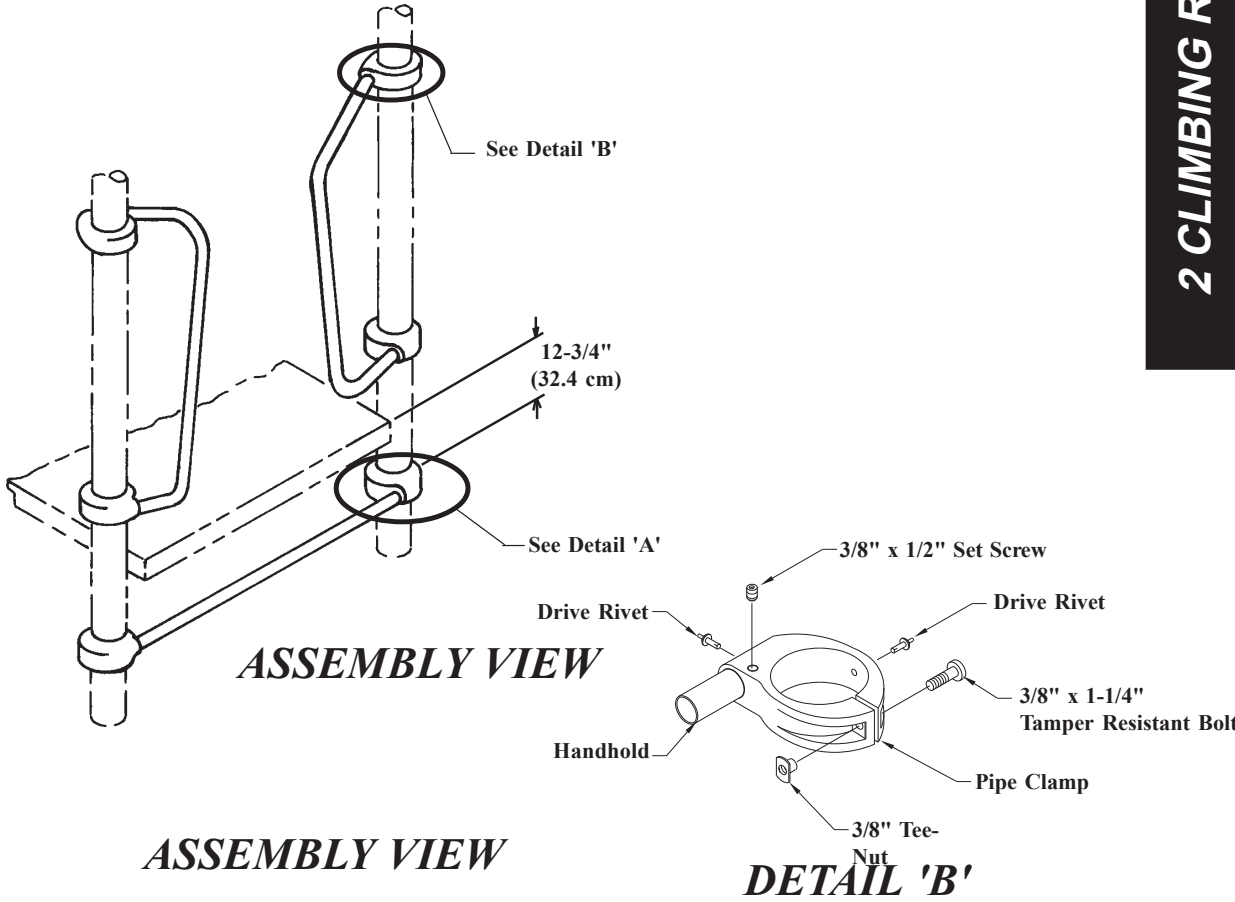
Page 1 of 3

LADDER CLIMBER

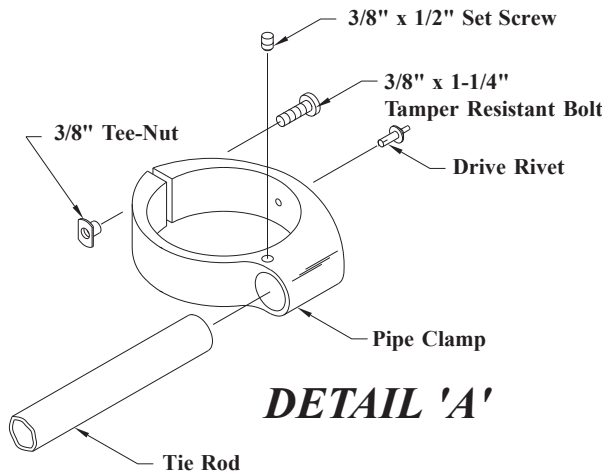
CHALLENGER

1 CLIMBING RUNGS

24" (61 cm) DECK
MODEL CH7550



ASSEMBLY VIEW



DETAIL 'A'



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Page 1 of 2

SE1770

2 CLIMBING RUNGS

CHALLENGERS™

SIDE CLIMBER

36" (91.4 cm) DECK
MODEL CH7900

See Detail 'B'

See Detail 'A'

DETAIL 'A'

ASSEMBLY VIEW

Labels: 3/8" x 2" Button Head Bolt, Drive Rivet, Clamp, 3/8" Flatwasher, 3/8" x 1-1/4" Tamper Resistant Bolt, 3/8" Tee Nut, Side Climber Barrier, 3/8" x 1" Button Head Bolt, 3/8" Flatwasher, Side Climber Body, 3/8" Locknut.

PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds®

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SIDE CLIMBER

PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds®

INSTALLATION INSTRUCTIONS

CHALLENGERS®
MODEL CH8190
TREE CLIMBER
48 in. (1219 mm) Deck

Installation Preparation . . .
Installation Time: Approx. 1 hour
Weight: 71 Lbs. (32 Kilos)
Concrete Required: Approx. 3/4 cubic feet
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Assembly View

Model CH8190
ECN-278

Page 1 of 5

PLAYWORLD SYSTEMS
When trust matters™

INSTALLATION INSTRUCTIONS

CHALLENGERS®
MODELS CH9160 & CH9166
60 in. (1524 mm) & 71 in. (1829 mm)
PERFORATED LADDER

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: See table at lower left
Concrete Required: 0.06 cubic yards
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Assembly View

View shown above is for visual reference only and may not be your configuration

Deck Height	60 in. (1524 mm)	72 in. (1829 mm)
Weight	128.4 Lbs. 58.4 Kilos	150.6 Lbs. 68.5 Kilos

Model CH9160 & CH9166
ECN1250

Page 1 of 9

PLAYWORLD SYSTEMS
Putting The Fun Back Into Playgrounds®

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®
MODEL UN2255
APPROACH STEP
For Transfer Station

Installation Preparation . . .
Installation Time: Approx. 1/2 hour
Weight: 40 Lbs. (18 Kilos)
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

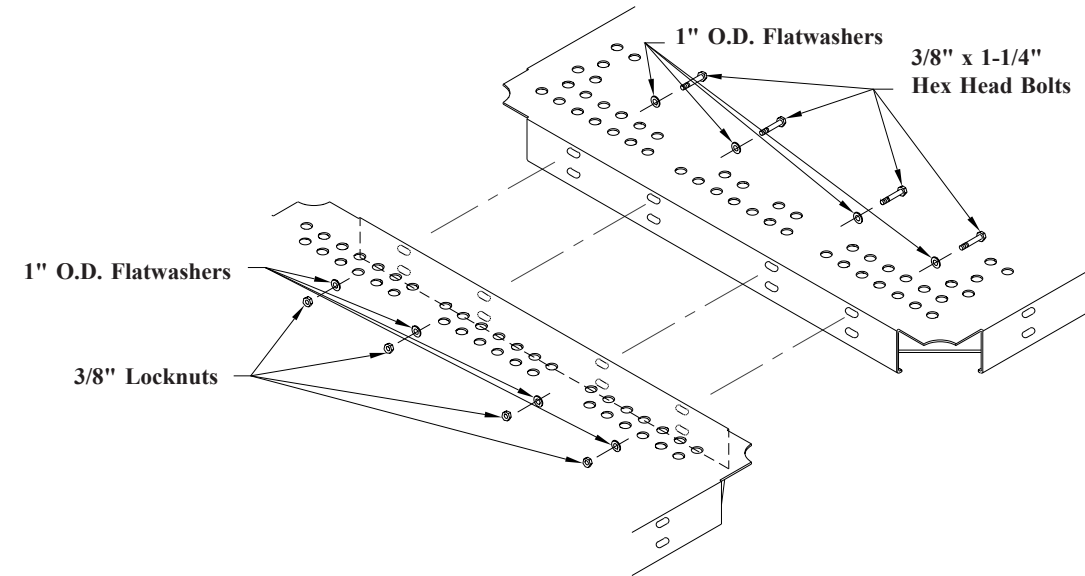
- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Assembly View

Model UN2255
PA-449

Page 1 of 5

CONNECTING KIT
VINYL DECK TO VINYL DECK
MODEL UN2290



ASSEMBLY VIEW

CONNECTING KIT



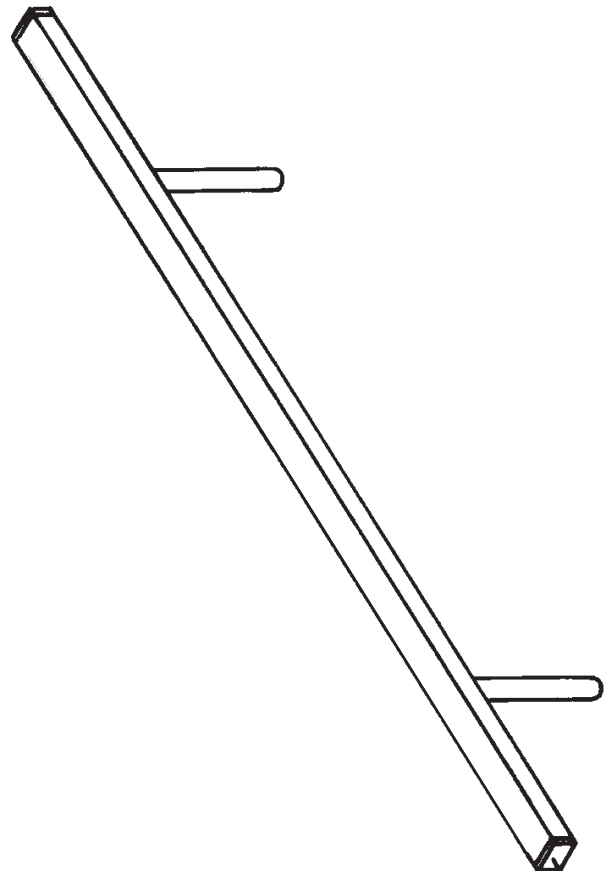
INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN6500
DURA BALANCE BEAM

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 58.5 Lbs. (26.3 Kilos)
Concrete Required: 0.11 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

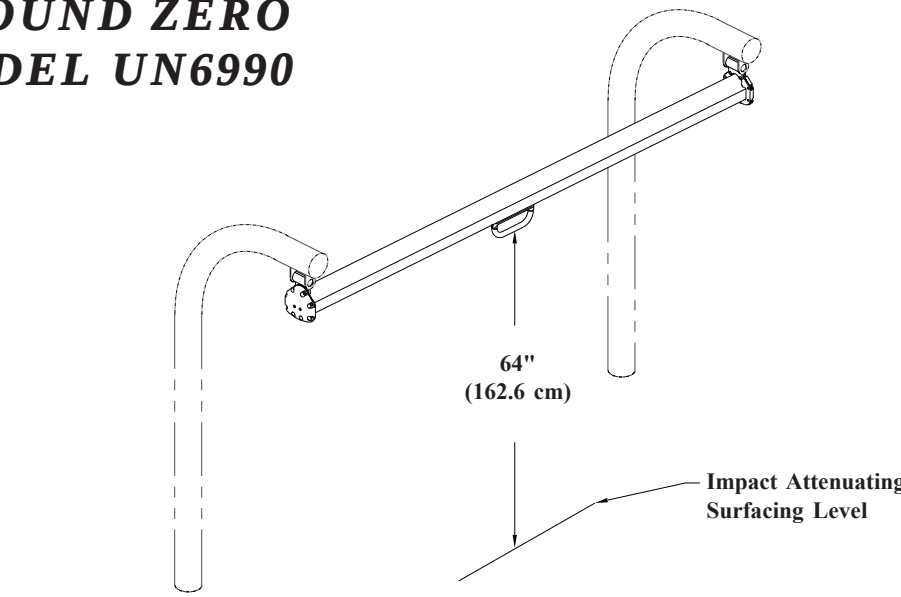
Maintenance . . .

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- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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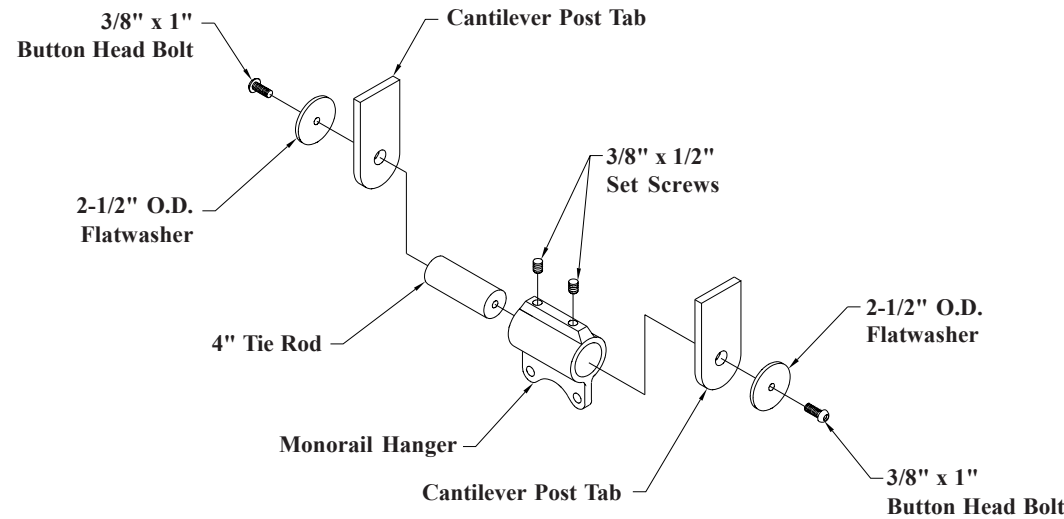


Assembly View

MONORAIL
GROUND ZERO
MODEL UN6990



ASSEMBLY VIEW



DETAIL 'A'



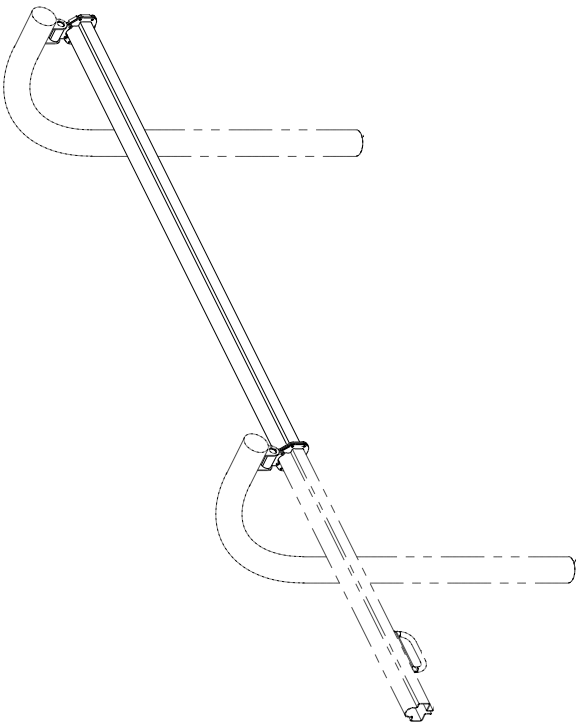
INSTALLATION INSTRUCTIONS
UNIVERSAL
MODEL UN7000
MONORAIL EXTENSION

Installation Preparation . . .
Recommended Crew: One (1) adult
Installation Time: 1 hour
Weight: 42 Lbs. (19.1 Kilos)
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:
Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
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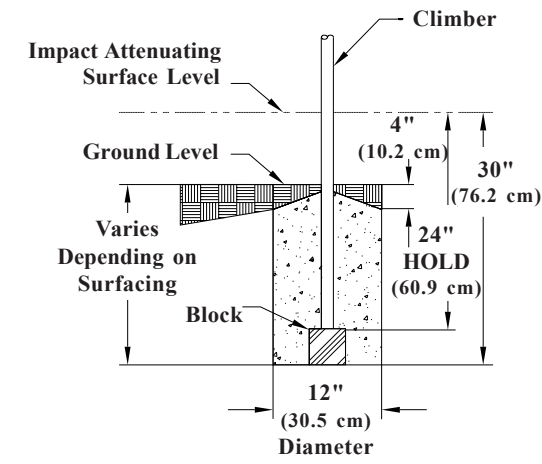


Assembly View

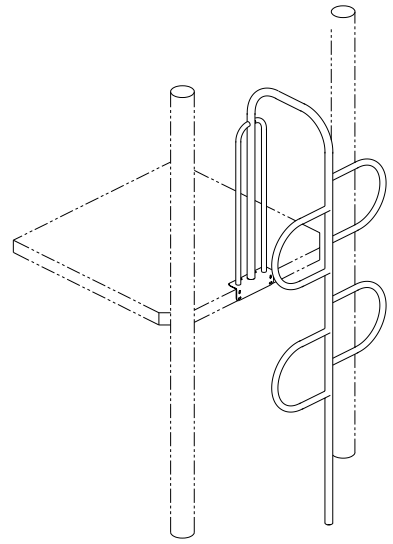


TREE CLIMBER

36" (91.4 cm) DECK
MODEL UN7650

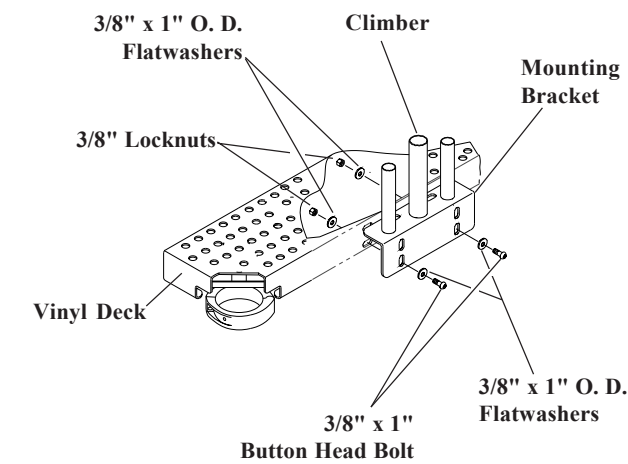


FOOTING DETAIL

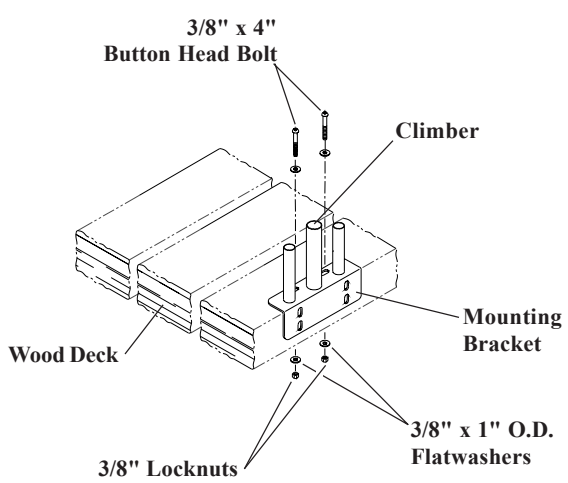


ASSEMBLY VIEW

TREE CLIMBER



DETAIL 'A'
Vinly Deck Application Shown



DETAIL 'B'
Modular Wood Deck Application Only



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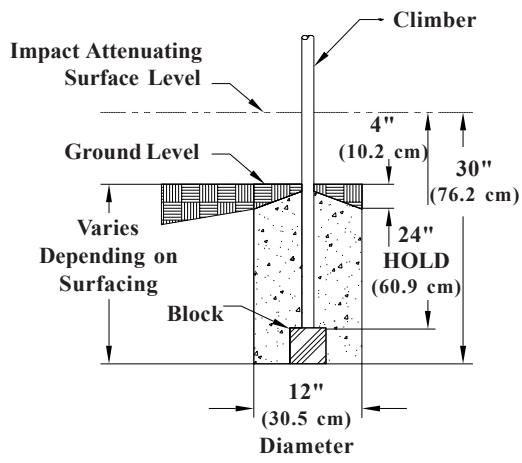
Model UN7650

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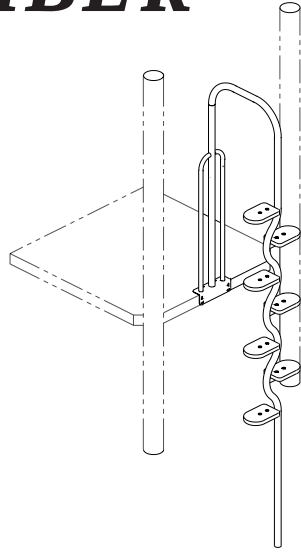
SE-2204

BEANSTALK CLIMBER

36" (91.4 cm) DECK
MODEL UN7850

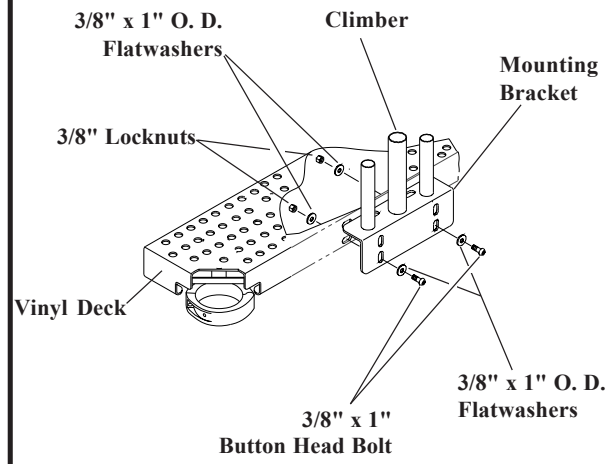


FOOTING DETAIL

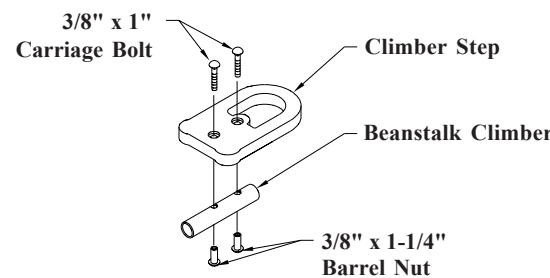


ASSEMBLY VIEW

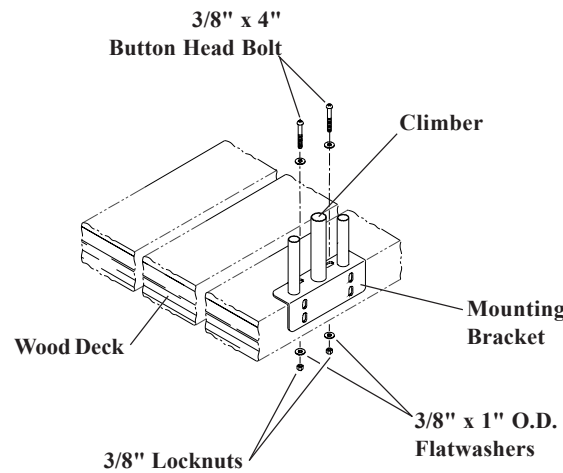
BEANSTALK CLIMBER



DETAIL 'A'
Vinly Deck Application Shown



DETAIL 'C'



DETAIL 'B'
Modular Wood Deck Application Only



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SE-2204



INSTALLATION INSTRUCTIONS
PLAYWORLD SYSTEMS®
RockBlocks™

Installation Preparation . . .

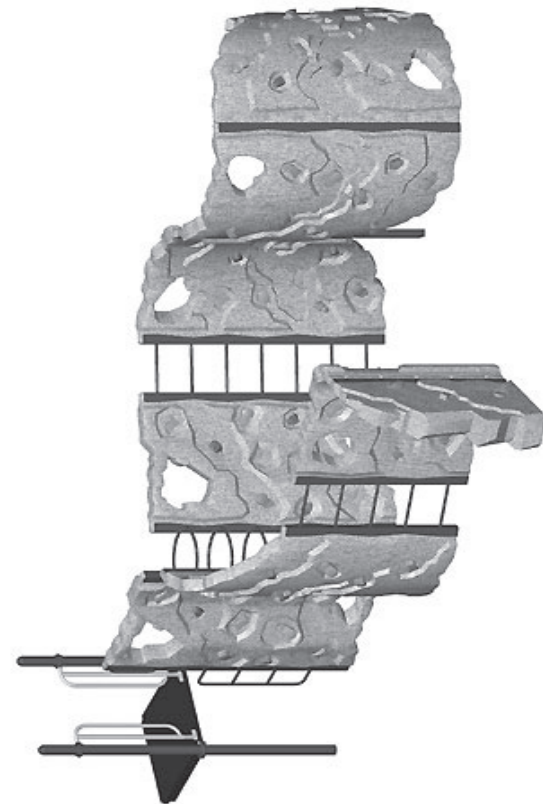
Recommended Crew: Three (3) adults
Installation Time: 1 hour per footing hole and single rock wall
Concrete Required: 0.13 cubic yard / support post - in ground only
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Maintenance . . .

- Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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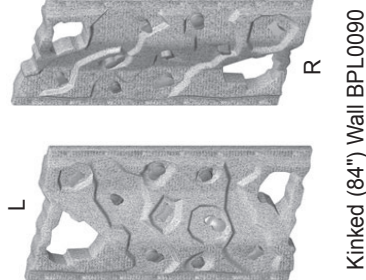
Assembly View

View shown above is for visual reference only and may not be your configuration

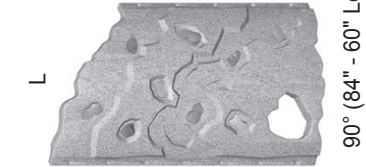
Page 5 of 26

Models UN0166-0159, UN0166-0179, UN0186-0187, UN0248-0248S, UN8348-8350, UN8356-8360, UN8367-8370, UN8376-PA0971, PA1009, PA1029, PA1036, PA1086, PA1087, PA1102

VISUAL REFERENCE / COMMON CONFIGURATIONS



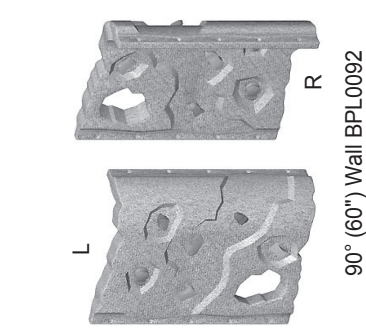
Kinked (84") Wall BPL0090



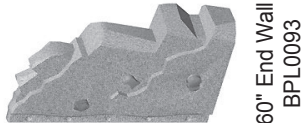
90° (84" - 60" Left) Wall BPL0091



90° (84" - 60" Right) Wall BPL0096



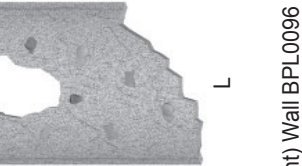
90° (60") Wall BPL0092



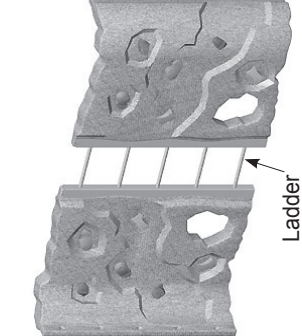
60" End Wall BPL0093



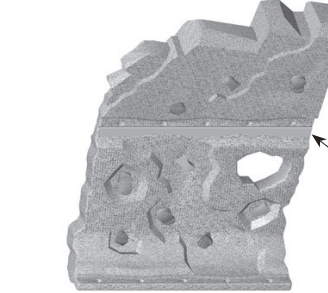
84" End Wall BPL0095



90° (84" - 60" Right) Wall BPL0096



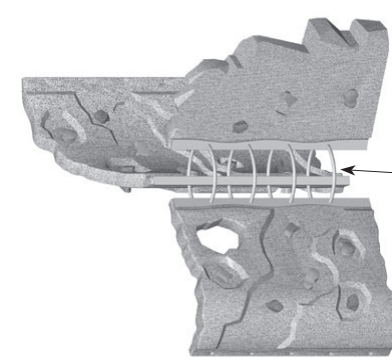
90° (60") Wall BPL0092



Z Support



Tri Support

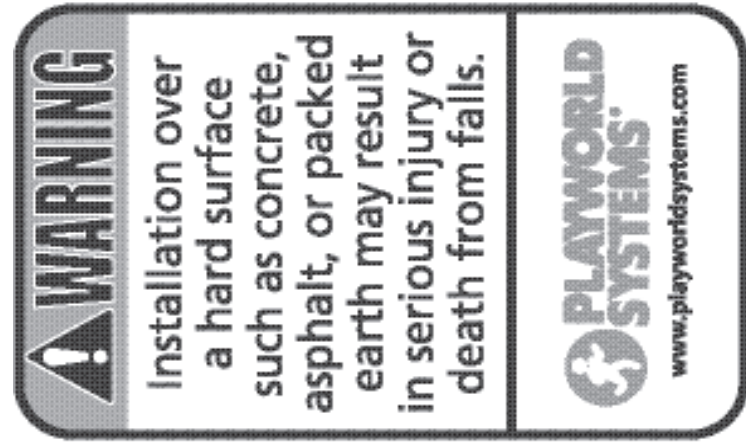


Tri Ladder

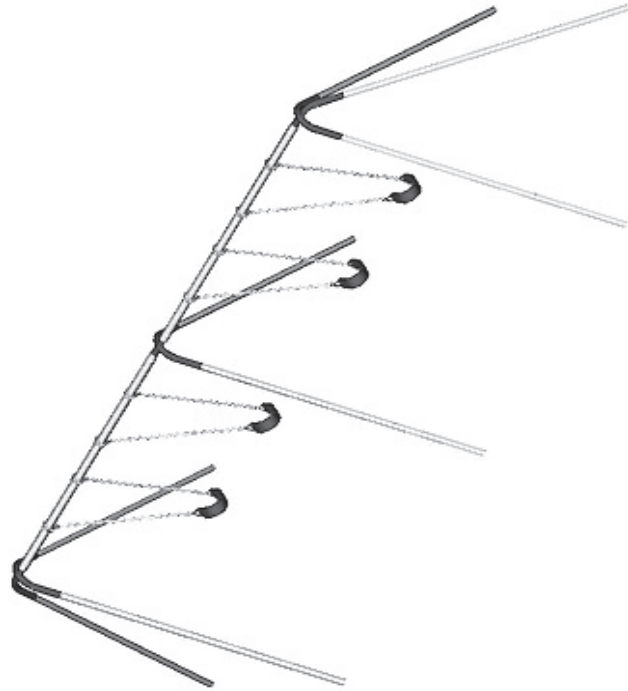
Page 6 of 26

Models UN0166-0159, UN0166-0179, UN0186-0187, UN0248-0248S, UN8348-8350, UN8356-8360, UN8367-8370, UN8376-PA0971, PA1009, PA1029, PA1036, PA1086, PA1087, PA1102



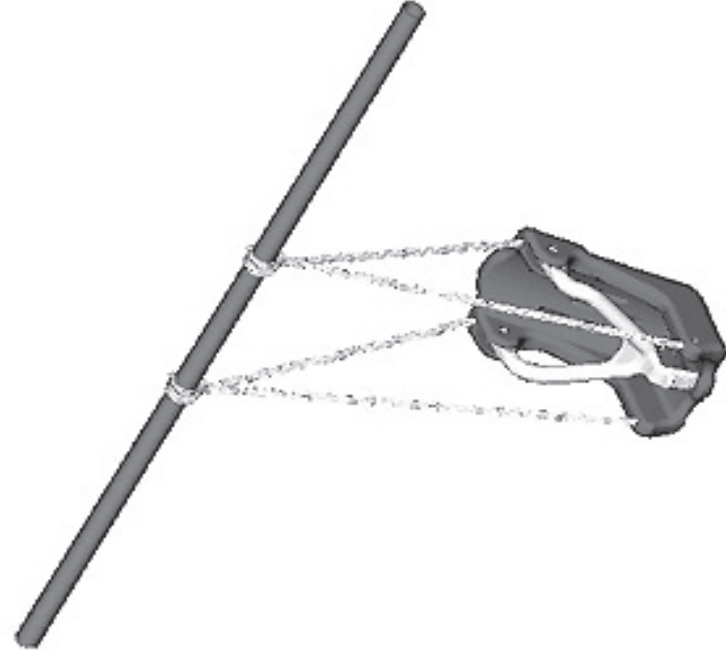


Installation Preparation . . . Recommended Crew: One (1) adult Installation Time: 15 to 20 minutes
Maintenance . . . • Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

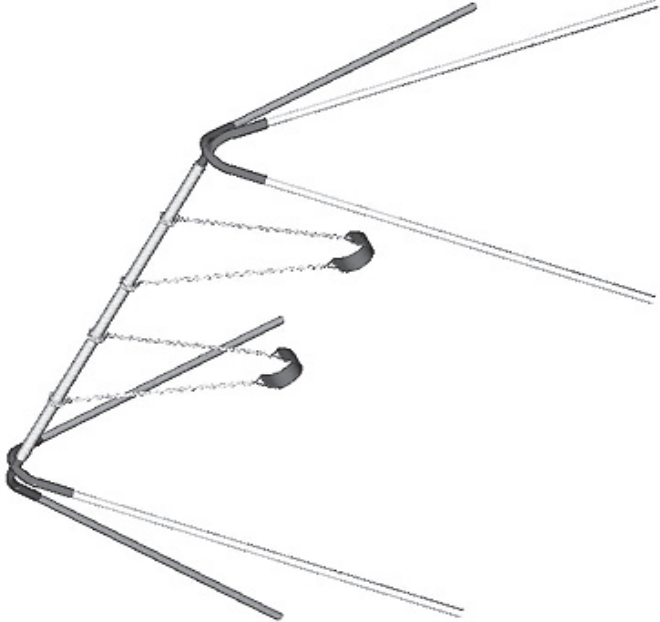
Installation Preparation . . . Recommended Crew: Three (3) adults Installation Time: 1.5 man-hours Weight: 176.3 Lbs. (80.1 Kilos) Concrete Required: 0.26 cubic yard Use Zone: See page 1 for Swing Use Zone information. User Group: Ages 2-12
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . . • Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

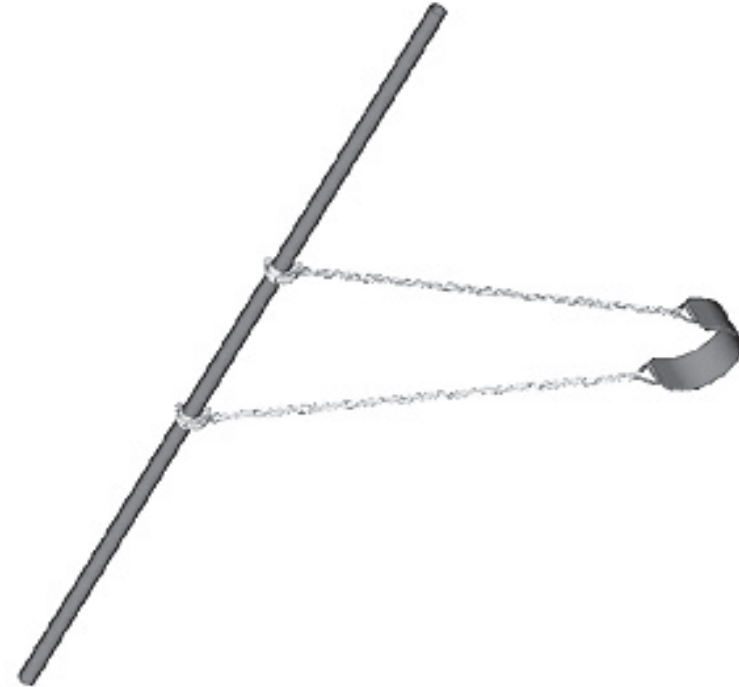
THIS ACCESSIBLE SWING SEAT HAS BEEN DESIGNED FOR COMMERCIAL USE ONLY. IT IS NOT INTENDED TO BE USED WITH HOME OR BACK YARD PLAY EQUIPMENT. IT IS RECOMMENDED THAT THE ACCESSIBLE SWING SEAT BE ATTACHED AT THE END (OR LAST POSITION) OF THE SWING FRAME.

Installation Preparation . . . Recommended Crew: One (1) adult Installation Time: 0.5 hour Weight: 26.9 lbs. (12.2 Kilos) Use Zone: 26 ft. (6706 mm) Total Front and Back User Group: Ages 3 and up
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . . • Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

Installation Preparation . . . Recommended Crew: Three (3) adults Installation Time: 3.5 man-hours Weight: 333.4 Lbs. (151.5 Kilos) Concrete Required: 0.78 cubic yard Use Zone: See page 1 for Swing Use Zone information. User Group: Ages 2-12
Torque Specification: Bolts & Nuts: Snug tighten and tighten an additional one-half turn. Set Screws: Snug tighten and tighten an additional full turn.
Maintenance . . . • Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure. • Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered. • As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0278

BELT SWING WITH PLAYARMOUR® CHAIN

8 ft. (2438 mm) Top Rail Height

Installation Preparation . . .

Recommended Crew: One (1) adult

Installation Time: 0.25 hour

Weight: 8.7 lbs. (4.0 Kilos)

Use Zone: 384 in. (9754 mm) Total Front and Back

User Group: Ages 5 and up

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

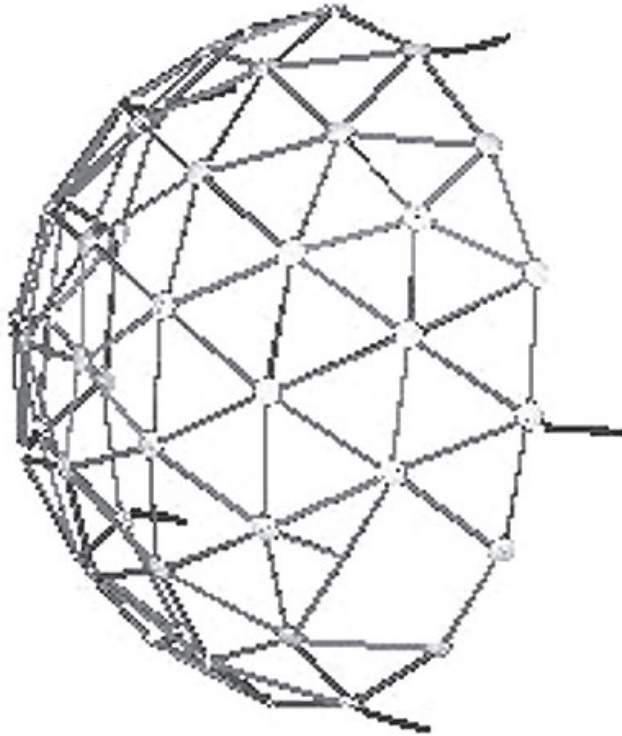
Maintenance . . .

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Model XX0278

ECN0944

Page 5 of 12



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0400

SUPER DOME

Installation Preparation . . .

Recommended Crew: Four (4) adults

Installation Time: 10 man-hours

Weight: 400 Lbs. (180 Kilos)

Concrete Required: .15 cubic yard

Use Zone: 6 ft. (1829 mm) all sides

User Group: Ages 5 - 12

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

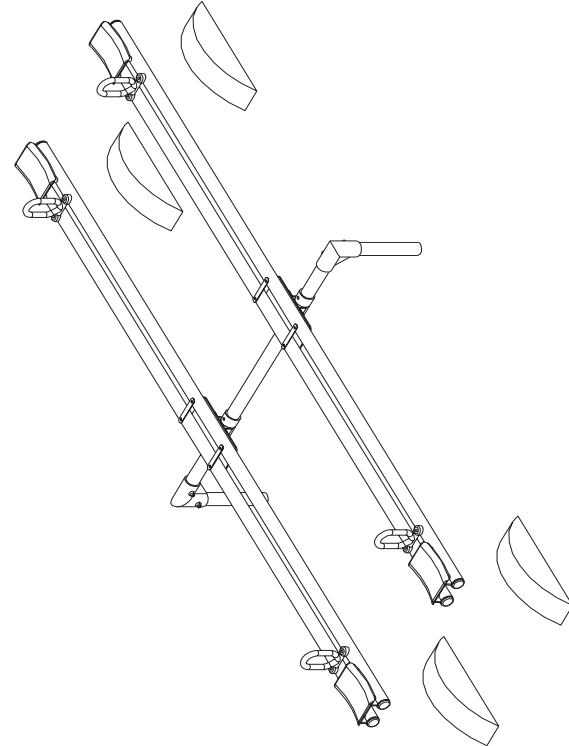
Maintenance . . .

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- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model XX0400

ECN-611

Page 3 of 12



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX0605

4-SEAT SEE-SAW WITH FIXED FULCRUM

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 4 man-hours

Weight: 323.6 Lbs. (145.6 Kilos)

Concrete Required: 0.06 cubic yards (0.05 cubic meters)

Use Zone: Refer to information on Page 1

User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

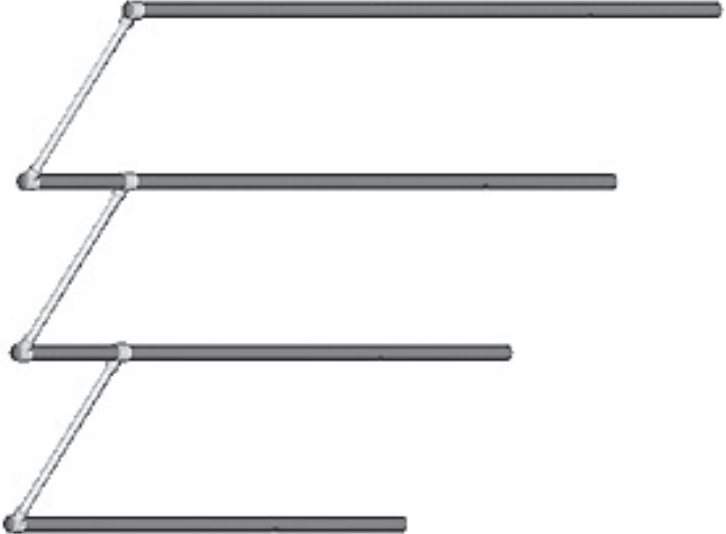
Maintenance . . .

- Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with the appropriate standard for your location appropriate for the fall height of each structure.
- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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Model XX0605

ECN-791

Page 3 of 12



Assembly View

INSTALLATION INSTRUCTIONS

PLAYWORLD SYSTEMS®

MODEL XX1013

TRI-LEVEL BARS

Installation Preparation . . .

Recommended Crew: Two (2) adults

Installation Time: 2.5 man-hours

Weight: 104.1 Lbs. (47.3 Kilos)

Concrete Required: 0.12 cubic yards

Use Zone: 72 in. (1829 mm) all sides

User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.

Set Screws: Snug tighten and tighten an additional full turn.

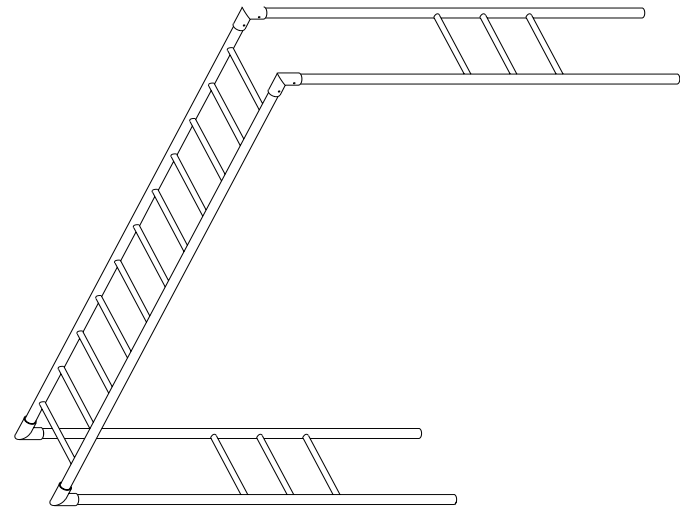
Maintenance . . .

- Playworld Systems® strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.

Model XX1013

ECN-931

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Assembly View

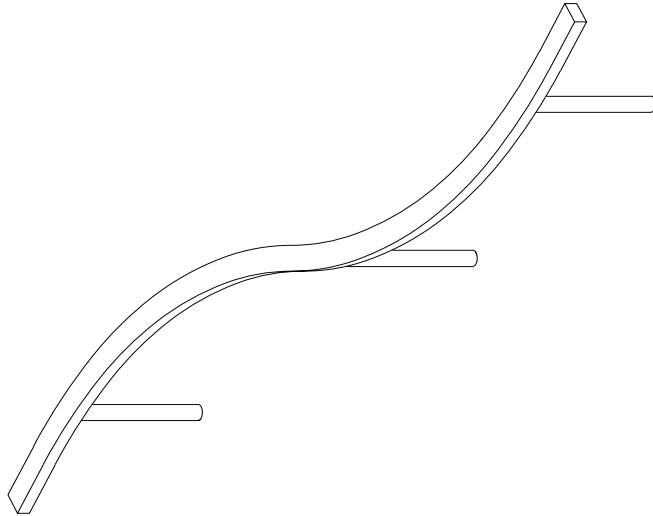
Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2.5 man-hours
Weight: 230 Lbs. (104 Kilos)
Concrete Required: 0.12 cubic yard
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 5 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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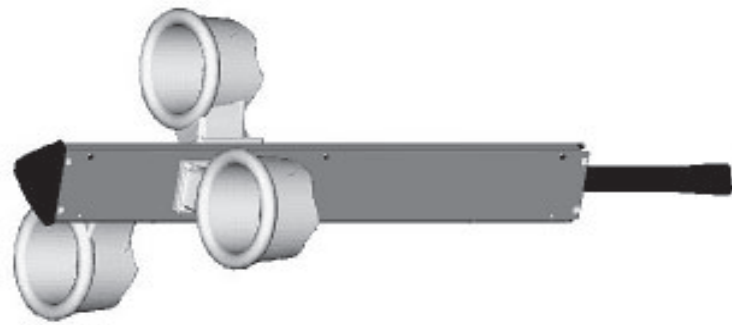


Assembly View

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 62 Lbs. (27.9 Kilos)
Concrete Required: 0.11 cubic yard
Use Zone: 6 ft. (1829 mm) all sides
User Group: Ages 2 - 12 years

Maintenance . . .

- Playworld Systems strongly recommends the use of protective surfacing within the use zone of each play structure in accordance with ASTM specification F1292 appropriate for the fall height of each structure.
- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

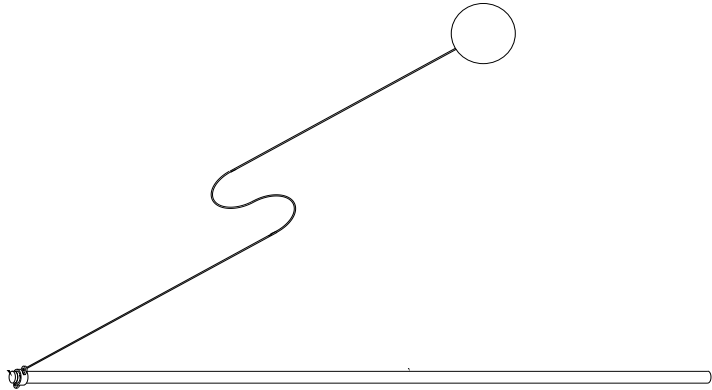
Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 2 man-hours
Weight: 359.2 Lbs. (163.3 Kilos)
Concrete Required: .34 cubic yard
Use Zone: 72 in. (1829 mm) all sides
User Group: Ages 2 - 12 years

Torque Specification:

Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems® strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
- As the owner of playground equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View

Installation Preparation . . .
Recommended Crew: Two (2) adults
Installation Time: 1 man-hour
Weight: 34.3 Lbs. (15.6 Kilos)
Concrete Required: 0.14 cubic yard

Torque Specification:

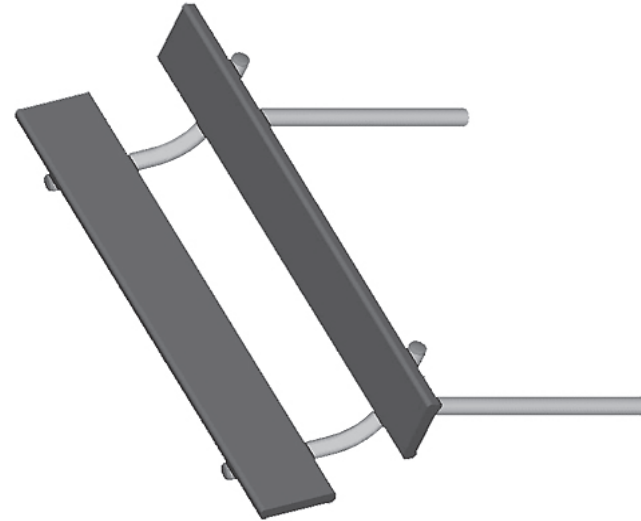
Bolts & Nuts: Snug tighten and
tighten an additional one-half turn.
Set Screws: Snug tighten and
tighten an additional full turn.

Maintenance . . .

- Playworld Systems strongly recommends close supervision of children as they play. The owners of playground equipment and the parents or guardians of children are responsible for this proper supervision. Do not use playground equipment when it is wet or snow covered.
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PLAYWORLD SYSTEMS®
MODEL XX1411

6 ft. (1829 mm) PERMANENT BENCH
(PlayArmour® Planks & Powder Coated Frame)



Assembly View

Installation Preparation . . .

Recommended Crew: Two (2) adults
Installation Time: 1.5 hours
Weight: 93.3 Lbs. (42.4 Kilos)
Concrete Required: 0.16 cubic yard

Torque Specification:

Bolts & Nuts: Snug tighten and tighten an additional one-half turn.
Set Screws: Snug tighten and tighten an additional full turn.

Maintenance . . .

- As the owner of equipment, you are responsible for the maintenance of the equipment and surrounding play area. A comprehensive maintenance and inspection schedule must be developed and all equipment inspected frequently.



Assembly View (representative model)

Installation Instructions
Playworld Systems® Models XX1425 and XX1425S
6 ft. (1829 mm) Permanent Bench w/ Lettered Back
(Coated Planks & Frame)
In-Ground and Surface Mount

Installation Preparation
Recommended Crew: Two (2) adults
Installation Time (in-ground): 1.5 man-hours
Installation Time (surface mount): 0.5 man-hours
Concrete Required: 0.16 cubic yard (0.12 cubic meters)

ICON KEY			
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

