PLAY EQUIPMENT INSTALLATION GUIDELINES

FOR

VENTURA UNIFIED SCHOOL DISTRICT
E6-24 PLAYGROUND REPLACEMENT PROJECT

AT

MONTALVO ELEMENTARY SCHOOL
2050 Grand Ave., Ventura, CA 93003

Prepared By
RNT Architects
285 N Ventura Ave #102
Ventura, CA 93001

Prepared For
Ventura Unified School District
Ventura, CA

Architect Project No. 241012

January 14, 2025

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Montalvo Es Primary

Ventura, ca January 7, 2025 1187356-02-03



Landscape Structures, the premier provider of innovative playground equipment, is committed to creating inspiring play experiences for children while honoring the environment. Artful, safe and most of all, made for years of fun.

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Made in the U.S.A. Statement

Ventura, ca January 7, 2025 1187356-02-03



Total Product Made in the U.S.A.

98%

Calculation includes standard play products only.

*Our fabrication, rotomolding, welding and painting operations in Delano, Minnesota, U.S.A. produce the vast majority of our standard play components.

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Environmental Statement

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Since January 2008, Landscape Structures has partnered with American Forests to purchase trees which will offset the CO_2 generated in our manufacturing processes. These trees will not only sequester the CO_2, they help filter water, remove air pollution, provide wildlife habitat and improve our natural environment.

AMERICAN FORESTS

CARBON FOOTPRINT OF LANDSCAPE STRUCTURES PRODUCT:

Tons of CO_2**:**	35.68
# of Trees:	107

Carbon Footprint: A measurement of the effect on the climate in terms of the amount of greenhouse gases produced in the Landscape Structures manufacturing process measured in units of carbon dioxide (CO_2).

RECYCLED CONTENT OF LANDSCAPE STRUCTURES PRODUCT:

Steel	5,215 lbs.
Aluminum	1,427 lbs.
Rubber	0 lbs.
Plastic	750 lbs.
Total Recycled Content:	7,392 lbs.
Total Post-Consumer Recycled Content:	4,787 lbs.
Total Recycled Content (%):	43%
Total Post-Consumer Recycled Content (%):	28%
Total Weight:	17,372 lbs.

Total Recycled Content: Material that has been recovered or diverted from the solid waste stream.

Total Post-Consumer Recycled Content: Material generated by households or commercial, industrial and institutional facilities in their role as end-users. This material can no longer be used for its original intended purposes.

2009 LEED INFORMATION FOR RECYCLED CONTENT:

If you are pursuing LEED certification for your project, please share the following information with your LEED project manager.

Post-Consumer Recycled Weight:	4,787 lbs.
½ Pre-Consumer Recycled Weight:	½ x 2,605 lbs.
LEED Recycled Fraction Weight:	6,090 lbs.
LEED Recycled Fraction %:	35%
Total Recycled Content Value:	$102,102.00

Calculations include standard play products only.

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Model Information

Ventura, ca January 7, 2025 1187356-02-03



Alpine® Slide



Double Slide



Firepole w/Permalene® Handholds



SlideWinder2®



SpyroSlide™



WhooshWinder® Slide



Deck Link w/Steel Barriers



Lollipop Climber



Mini Summit Climber

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Mobius® Climber w/Permalene® Handholds



Seeker Climber w/Permalene® Handholds



Snake Climber w/Permalene® Handholds



Traveler Climber



Vertical Ascent® Climber



Log Stepper 40"- 48" Deck



Tidal Wave Climber



Vine Climber



Access/Landing Assembly Seat

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Horizontal Ladder, Ages 4-5



LolliLadder™ w/E-Pods



Arch Bridge (42") w/Permalene® Barriers



TightRope™ Bridge



Wire Crawl Tunnel



Bongo Reach Panel



Bubble Panel



Color Splash Panel™



DigiFuse® Barrier Panel

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Driver Panel (Permalene®)



Table Panel



Wire Barrier



Wire Barrier 90° Tri-Deck



Chinning/Turning Bar



Grab Bar



Handhold Leg Lift



Playstructure Seat



Sol™ Spinner

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Elevated Sand Table



Saddle Spinner



We-Go-Round® with DigiFuse® Panels



We-saw™



Belt Seat w/Chains



Hedra® Swing Frame



Molded Bucket Seat (2-5 yrs) w/Harness and w/Chains



Molded Bucket Seat (5-12 yrs) w/Harness and w/Chains



Oodle® Swing, Double

Models shown include standard play products only.

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Single Post Swing Frame



Single Post Swing Frame Additional Bay



Log Balance Beam

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ART APPROVAL

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Color, Verbiage, Layout/size, and Overall Graphic.
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This approval confirms all major design work has been completed and accurately reflects the direction specified. This rendering remains a conceptual approximation as custom products are subject to final engineering including, but not limited to, hardware placement and minor changes related to standards and manufacturing capabilities. Each change following this approval will require a change order and impact the delivery date.

SIGNATURE DATE



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1187356-02-03-09-Approval · 12.13.2024

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1187356-02-03-01 · 12.13.2024

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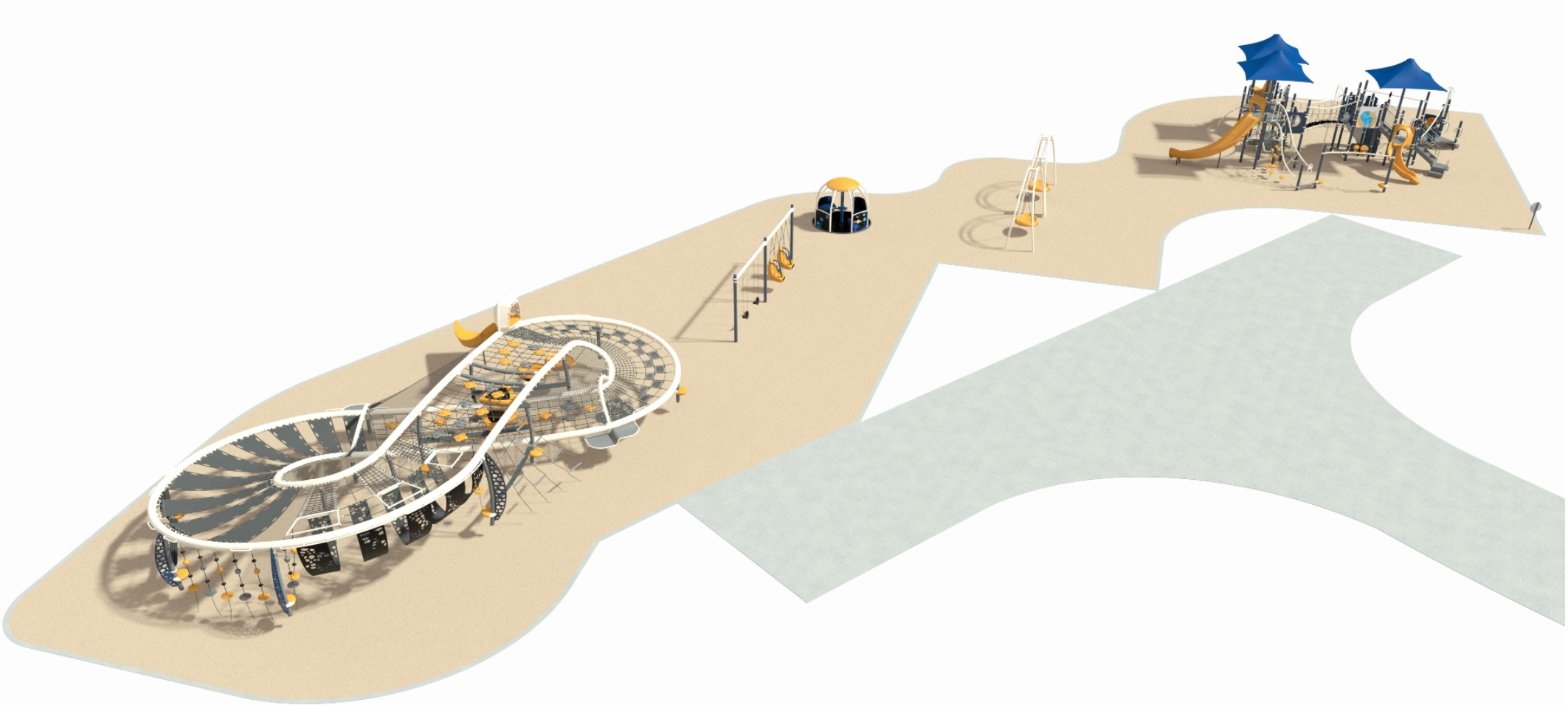
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1187356-02-03-02 · 12.13.2024

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This approval confirms all major design work has been completed and accurately reflects the direction specified. This rendering remains a conceptual approximation as custom products are subject to final engineering including, but not limited to, hardware placement and minor changes related to standards and manufacturing capabilities. Each change following this approval will require a change order and impact the delivery date.

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Color Information

Ventura, ca January 7, 2025 1187356-02-03

ProShield® Finish

Posts/Arches	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
Clamps/Ball Connectors	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
Play Components	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper

122913	Snake Climber 64"Dk DB
136233	Elevated Sand Table Alum Posts DB
139782	2"Horizontal Ladder 4-5 Years
139782	2"Horizontal Ladder 4-5 Years Connected Between Decks
148426	Firepole Perm Handholds 72"Dk DB
152179	Saddle Spinner DB 12"Height
176078	Lollipop Climber 56"Dk DB
186490	We-saw DB Only
193170	LolliLadder w/2 E-Pods
193173	TightRope Bridge
193173	TightRope Bridge w/Grab Bar Attached to Deck
193174	Sol Spinner DB
200609	Traveler Climber w/2 Hanger Brackets
203845	Seeker Climber w/Permalene Handholds 32" Deck Diff Attached to 48"

Color options listed for standard play products only.

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Color Information

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249558	We-Go-Round w/Space DigiFuse Panels 2 Seats DB Only
302740	Tidal Wave Climber 48"Dk DB
302748	Vine Climber 8"Dk to 96"Dk DB Only

Polyethylene

Slide Hoods/O-Zone®	Limon, Leaf, Green, Blue, Denim, Gray, Buttercup, Brick, Red, Lagoon, Tangerine, Tan, Acorn, Granite, Seafoam, Slate, Sprout
123331	Double Slide 40"Dk DB
271761	Alpine Slide 96" Deck DB
Slides/Tunnels/Gliders/E-Pods®	Limon, Leaf, Green, Blue, Denim, Gray, Buttercup, Brick, Red, Lagoon, Tangerine, Tan, Acorn, Granite, Seafoam, Slate, Sprout
122033	SpyroSlide 56"w/Hanger Bracket DB
123331	Double Slide 40"Dk DB
124863	SlideWinder2 48"Dk DB 2 Left
152179	Saddle Spinner DB 12"Height
153076	Mini Summit Climber 40"Dk DB
164094	Bongo Reach Panel Ground Level
186490	We-saw DB Only
193170	LolliLadder w/2 E-Pods
193173	TightRope Bridge w/Grab Bar Attached to Deck
222708	WhooshWinder Slide 72"Dk DB
249558	We-Go-Round w/Space DigiFuse Panels 2 Seats DB Only
271761	Alpine Slide 96" Deck DB
302748	Vine Climber 8"Dk to 96"Dk DB Only

Permalene®

Primary Permalene	Recycled Gray w/Black, Recycled Lagoon w/Black, Recycled Limon w/Black, Recycled Grass w/Black, Recycled Leaf w/Black, Recycled Sky w/Black, Recycled Green w/Black, Recycled Blue w/Black, Recycled Buttercup w/Black, Recycled Denim w/Black, Recycled Brick w/Black, Recycled Red w/Black, Recycled Tangerine

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	w/Black, Recycled Yellow w/Black, Recycled Tan w/Black, Recycled Acorn w/Black, Recycled Slate w/Black, Recycled Pebble w/Black, Recycled Sprout w/Black, Recycled Seafoam w/Black
114665	Arch Bridge (42")
115223	Bubble Panel Above Deck
115228	Driver Panel Above Deck
119641	Wire Crawl Tunnel Above Deck
122913	Snake Climber 64"Dk DB
130565	Table Panel DB
136233	Elevated Sand Table Alum Posts DB
145624	Vertical Ascent 48"Dk
145624	Vertical Ascent 72"Dk
148426	Firepole Perm Handholds 72"Dk DB
152911	Curved Transfer Module Left 48"Dk DB
153076	Mini Summit Climber 40"Dk DB
164094	Bongo Reach Panel Ground Level
176078	Lollipop Climber 56"Dk DB
177712	Color Splash Panel Above Deck
186490	We-saw DB Only
200609	Traveler Climber w/2 Hanger Brackets
203845	Seeker Climber w/Permalene Handholds 32" Deck Diff Attached to 48"
249558	We-Go-Round w/Space DigiFuse Panels 2 Seats DB Only
302740	Tidal Wave Climber 48"Dk DB
302754	Mobius Climber w/Permalene Handholds 72" Dk DB Only
Secondary Permalene	Recycled Gray w/Black, Recycled Lagoon w/Black, Recycled Limon w/Black, Recycled Grass w/Black, Recycled Leaf w/Black, Recycled Sky w/Black, Recycled Green w/Black, Recycled Blue w/Black, Recycled Buttercup w/Black, Recycled Denim w/Black, Recycled Brick w/Black, Recycled Red w/Black, Recycled Tangerine w/Black, Recycled Yellow w/Black, Recycled Tan w/Black, Recycled Acorn w/Black, Recycled Slate w/Black, Recycled Pebble w/Black, Recycled Sprout w/Black, Recycled

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Color Information

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	Seafoam w/Black
130565	Table Panel DB
177712	Color Splash Panel Above Deck

TenderTuff

Barriers/Ladders/Benches	Blue, Red, Tan, Brown, Gray
111357	Chinning Bar Alum DB
119641	Wire Crawl Tunnel Above Deck
120314	Wire Barrier Above Deck
120315	Wire Barrier Tri-Deck
120901	Grab Bar
120902	Handhold Leg Lift
141887	Access/Landing Assembly Seat Barrier Right 16"Dk
152907	Deck Link w/Barriers Steel end panels 2 Steps
152911	Curved Transfer Module Left 48"Dk DB
185852	Transfer Step w/2 Handloops DB
193173	TightRope Bridge w/Grab Bar Attached to Deck
203845	Seeker Climber w/Permalene Handholds 32" Deck Diff Attached to 48"
Wheels/Rings/Rollers	Blue, Red, Tan, Brown, Gray
115228	Driver Panel Above Deck
Decks/Step Ladders	Brown, Gray
111228	Square Tenderdeck
111231	Triangular Tenderdeck
111345	Bridge/Ramp Transition Bracket
114665	Arch Bridge (42")
119646	Tri-Deck Extension
120818	Playstructure Seat
121948	Kick Plate 16"Rise
121948	Kick Plate 8"Rise
121948	Kick Plate 8"Rise
121949	Tri-Deck Kick Plate 8"Rise

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122033	SpyroSlide 56"w/Hanger Bracket DB
122197	90* Triangular Tenderdeck
141887	Access/Landing Assembly Seat Barrier Right 16"Dk
152907	Deck Link w/Barriers Steel end panels 2 Steps
152911	Curved Transfer Module Left 48"Dk DB
178710	Hexagon Tenderdeck
185852	Transfer Step w/2 Handloops DB
200609	Traveler Climber w/2 Hanger Brackets
222708	WhooshWinder Slide 72"Dk DB
302748	Vine Climber 8"Dk to 96"Dk DB Only

Cables

Cables	Black, Red, Tan
193174	Sol Spinner DB
200609	Traveler Climber w/2 Hanger Brackets
203845	Seeker Climber w/Permalene Handholds 32" Deck Diff Attached to 48"
302740	Tidal Wave Climber 48"Dk DB
302748	Vine Climber 8"Dk to 96"Dk DB Only

Swings

Posts	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
177332	Single Post Swing Frame 8' Beam Height Only
177333	Single Post Swing Frame Additional Bay 8' Beam Height Only
278557	Hedra Swing Frame DB Only
Beams	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange,

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	Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
177332	Single Post Swing Frame 8' Beam Height Only
177333	Single Post Swing Frame Additional Bay 8' Beam Height Only
210117	Oodle Swing Double DB Only
Clamps	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
177332	Single Post Swing Frame 8' Beam Height Only
177333	Single Post Swing Frame Additional Bay 8' Beam Height Only
Molded Bucket Seats	Limon, Leaf, Green, Blue, Denim, Gray, Buttercup, Brick, Red, Lagoon, Tangerine, Tan, Acorn, Granite, Seafoam, Slate, Sprout
177351	Molded Bucket Seat (5-12 yrs) w/Harness ProGuard Chains for 8' Beam Height
210117	Oodle Swing Double DB Only
218671	Molded Bucket Seat (2-5 yrs) w/Harness ProGuard Chains for 8' Beam Height
Seat Harness	Limon, Leaf, Green, Blue, Denim, Gray, Buttercup, Brick, Red, Lagoon, Tangerine, Tan, Acorn, Granite, Seafoam, Slate, Sprout
177351	Molded Bucket Seat (5-12 yrs) w/Harness ProGuard Chains for 8' Beam Height
218671	Molded Bucket Seat (2-5 yrs) w/Harness ProGuard Chains for 8' Beam Height

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Color Information

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Vibe® / SteelX®

Primary Panels	Lagoon, Sky, Peacock, Grass, Buttercup, Berry, Carbon, Dune, Metallic Silver, Limon, Leaf, Green, Pine Green, Blue, Denim, Plum, Cranberry Red, Red, Orange, Tangerine, Yellow, White, Vanilla, Tan, Acorn, Brown, Black, Cool Silver, Purple, Maroon, Matte Gray, Paprika, Sprout, Seafoam, Honey, Slate, Pebble, Copper
152907	Deck Link w/Barriers Steel end panels 2 Steps
222708	WhooshWinder Slide 72"Dk DB

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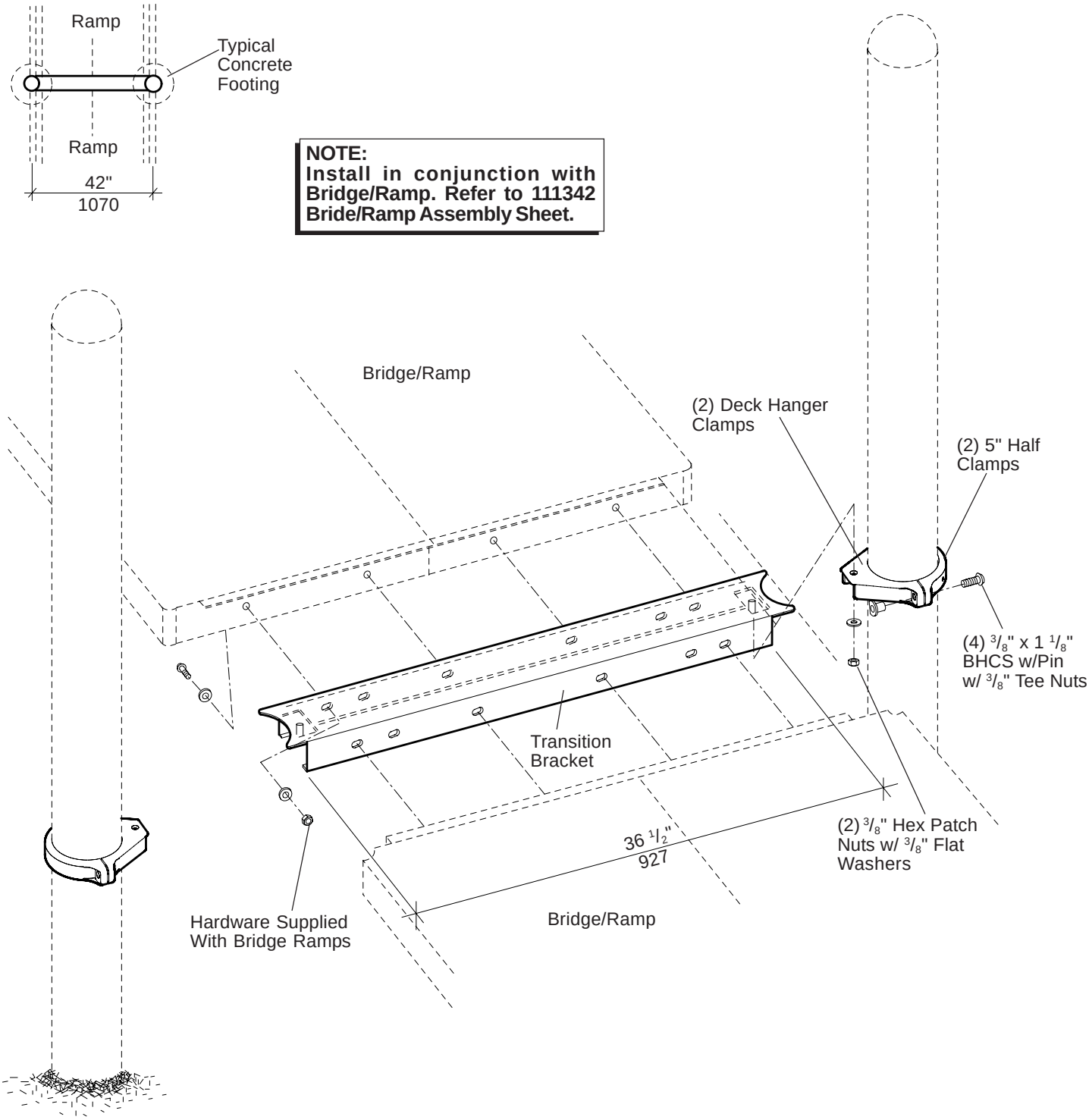
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ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

18427300



111345 Transition Bracket

PlayBooster®

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 (763) 972-3391 1-888-LSI-INST (1-888-574-4678) FAX (763) 972-3185

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PlayBooster® 111345 Transition Bracket

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Parts List

Part#	Description	Qty
184259-00	Bridge/ Ramp Transition Bracket, Specify Color	1
105327-01	5" Half Clamp, Specify Color	2
106022-00	Deck Hanger Clamp, Specify Color	2
106676-00	**Hardware Package**	1
100198-00	3/8" x 1 1/8" BHCS w/Pin, SST	4
100321-00	3/8" Hex Patch Nut, SST	2
100351-00	3/8" Tee Nut, SST	4
100362-00	3/8" Flat Washer, SST	2
100610-00	1/4" x 5/8" Drive Rivet, AL/SST	2

Specifications

Transition Bracket: Fabricated and formed from 11 GA (.120") HRPO low carbon sheet steel. Finish: TenderTuff®, brown in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Deck Hanger Clamp Assembly: Cast aluminum. Finish: Powdercoat, color specified.

Installation Time: Approx. 1/2 man hour

Weight: 22 lbs.

Installation Instructions

1) Install transition bracket in conjunction with ramp. Refer to the 111342 Bridge Ramp Spec Sheet.
2) Attach deck hanger clamp on post using 5" half clamp with 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Position transition with studs through holes in clamps and fasten with 3/8" flat washer and 3/8" patch nut.
3) Position ramp on deck and transition bracket. Attach ramp to deck and transition bracket. Refer to 111342 Bridge Ramp Spec Sheet.
4) Final tighten hardware. Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #54519 Document 18427300 replaces 12104300. Replaced transition bracket.

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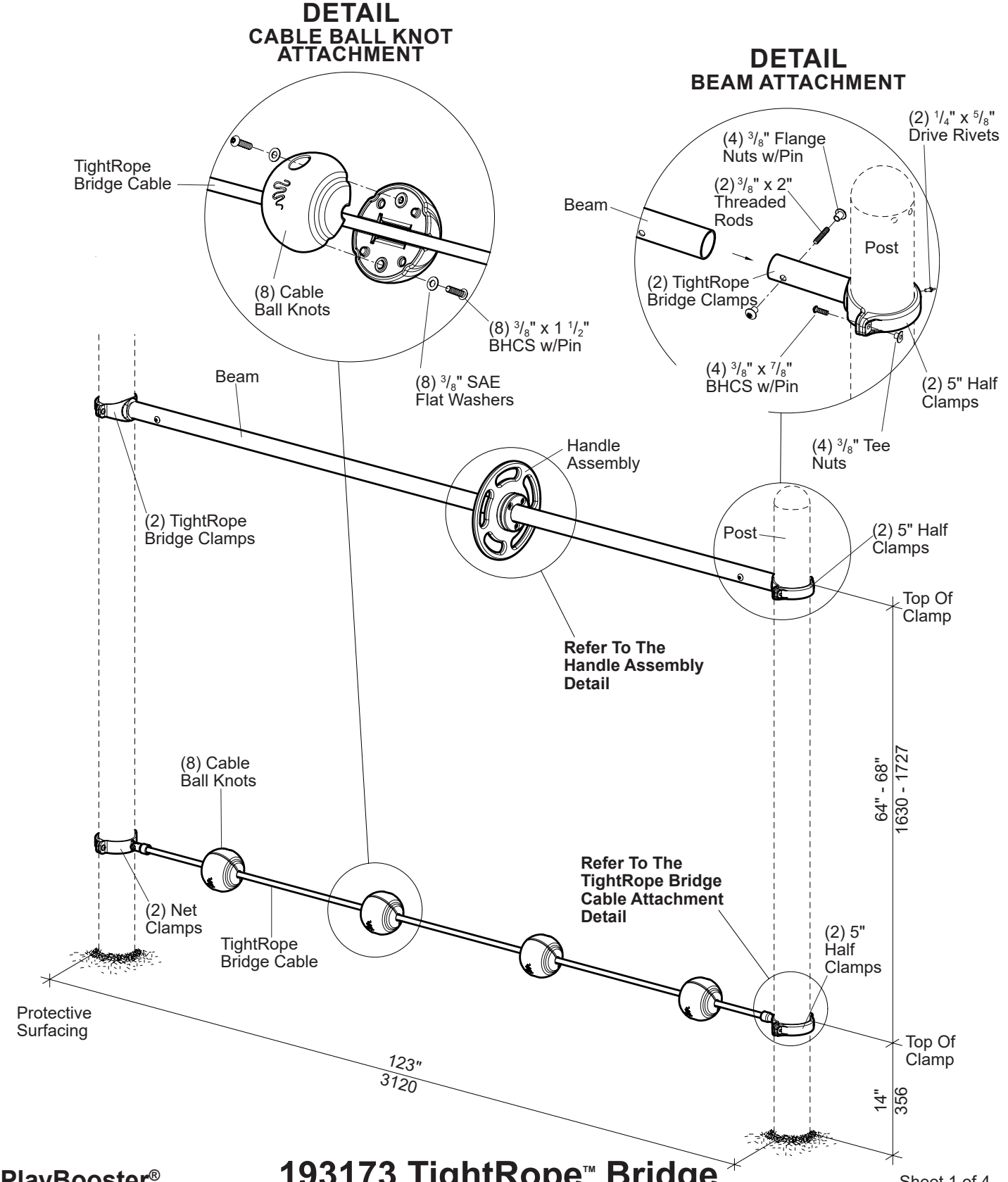
ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

19497100

DETAIL
TIGHTROPE BRIDGE - GROUND LEVEL



PlayBooster® 193173 TightRope™ Bridge

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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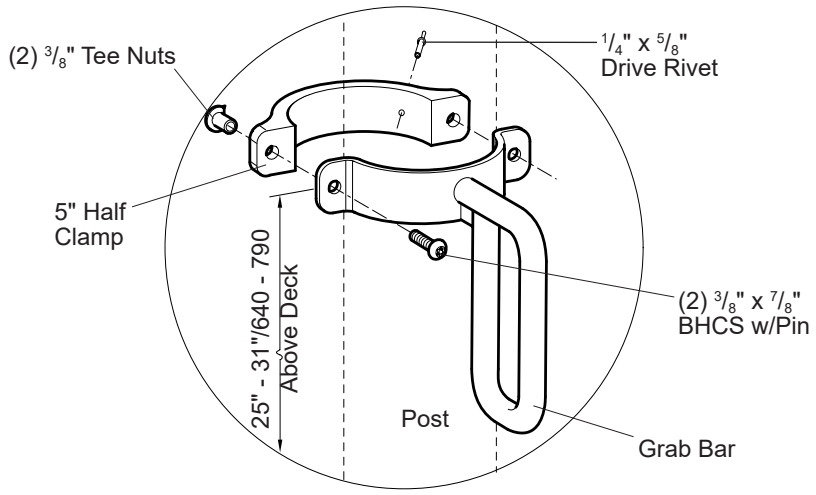
SAFETY NOTE

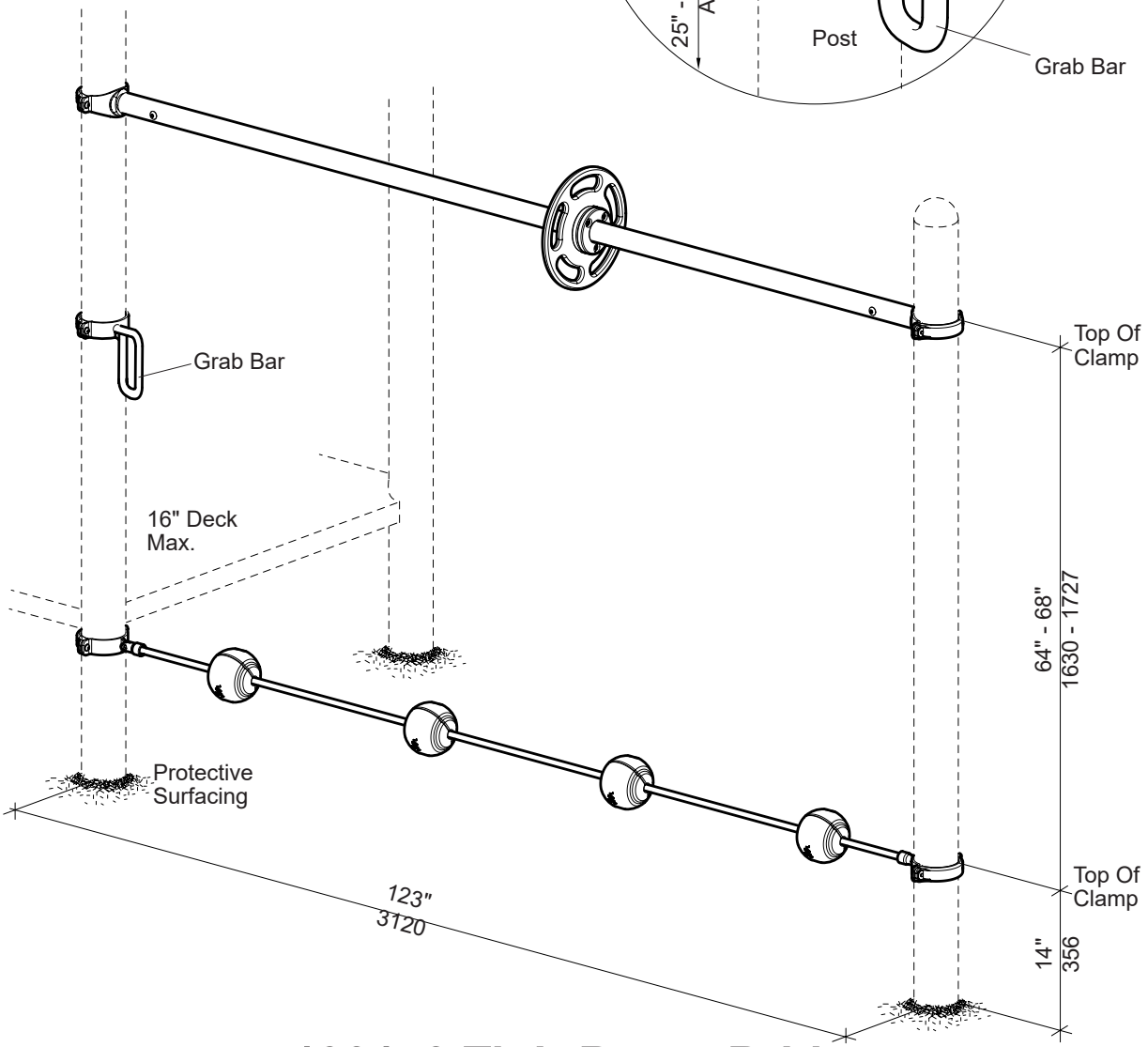
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

194971b

DETAIL
TIGHTROPE BRIDGE - GROUND TO DECK

DETAIL
GRAB BAR ATTACHMENT





PlayBooster® 193173 TightRope™ Bridge

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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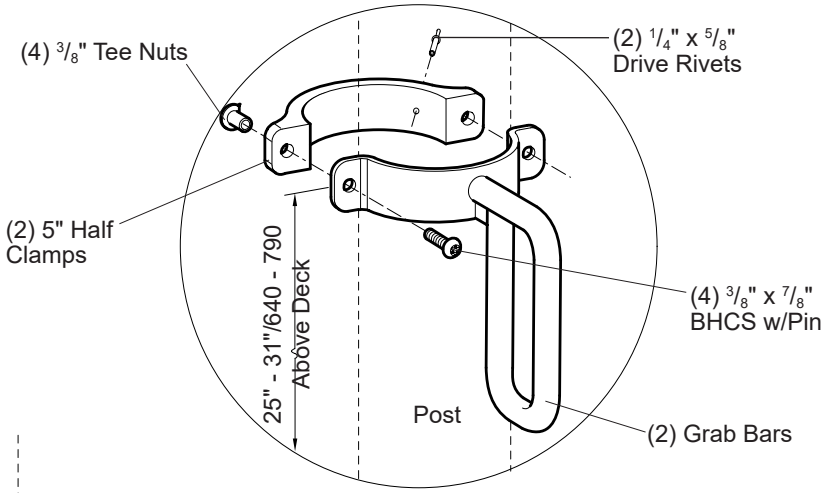
SAFETY NOTE

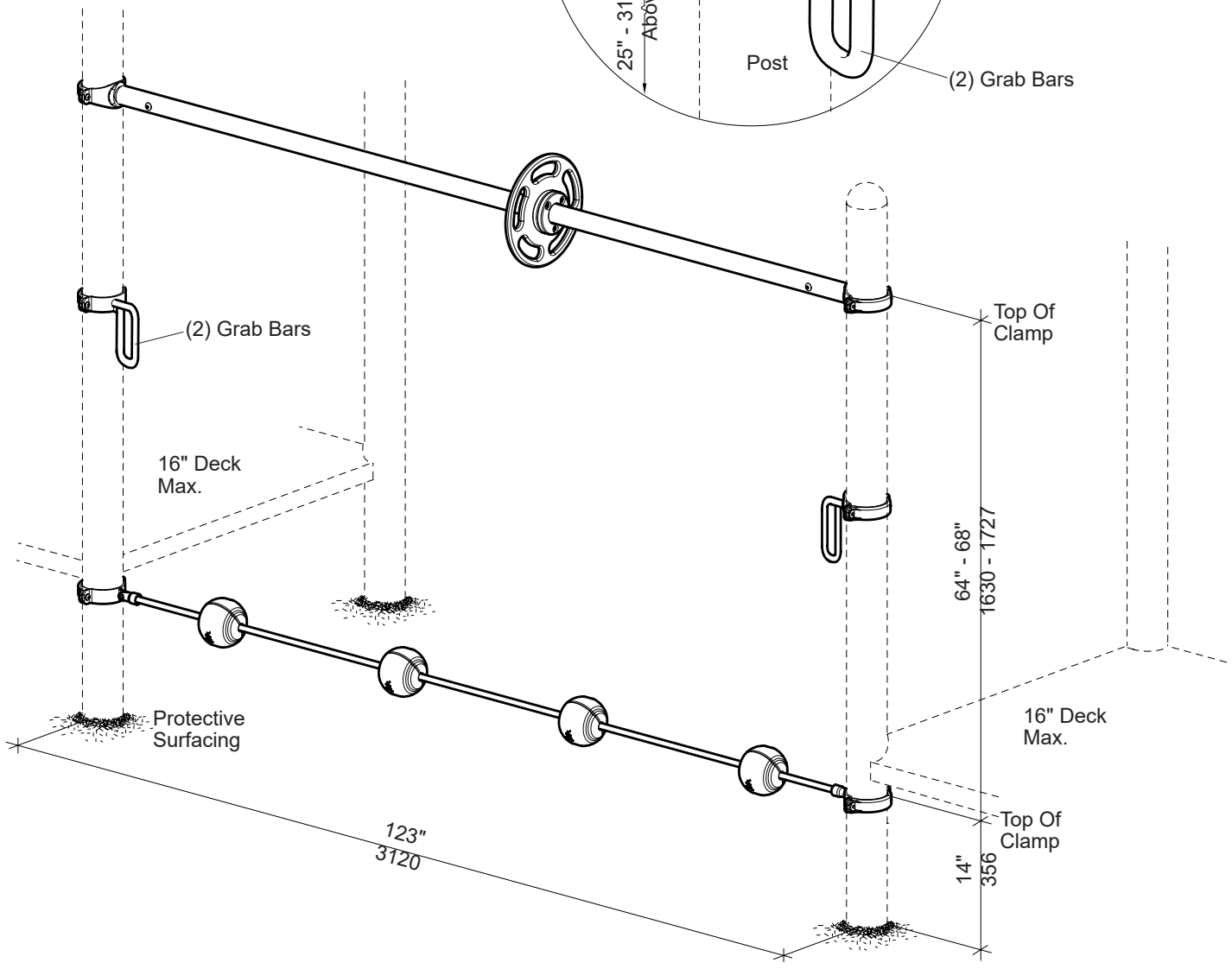
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

194971c

DETAIL
TIGHTROPE BRIDGE - DECK TO DECK

DETAIL
GRAB BAR ATTACHMENT





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193173 TightRope™ Bridge

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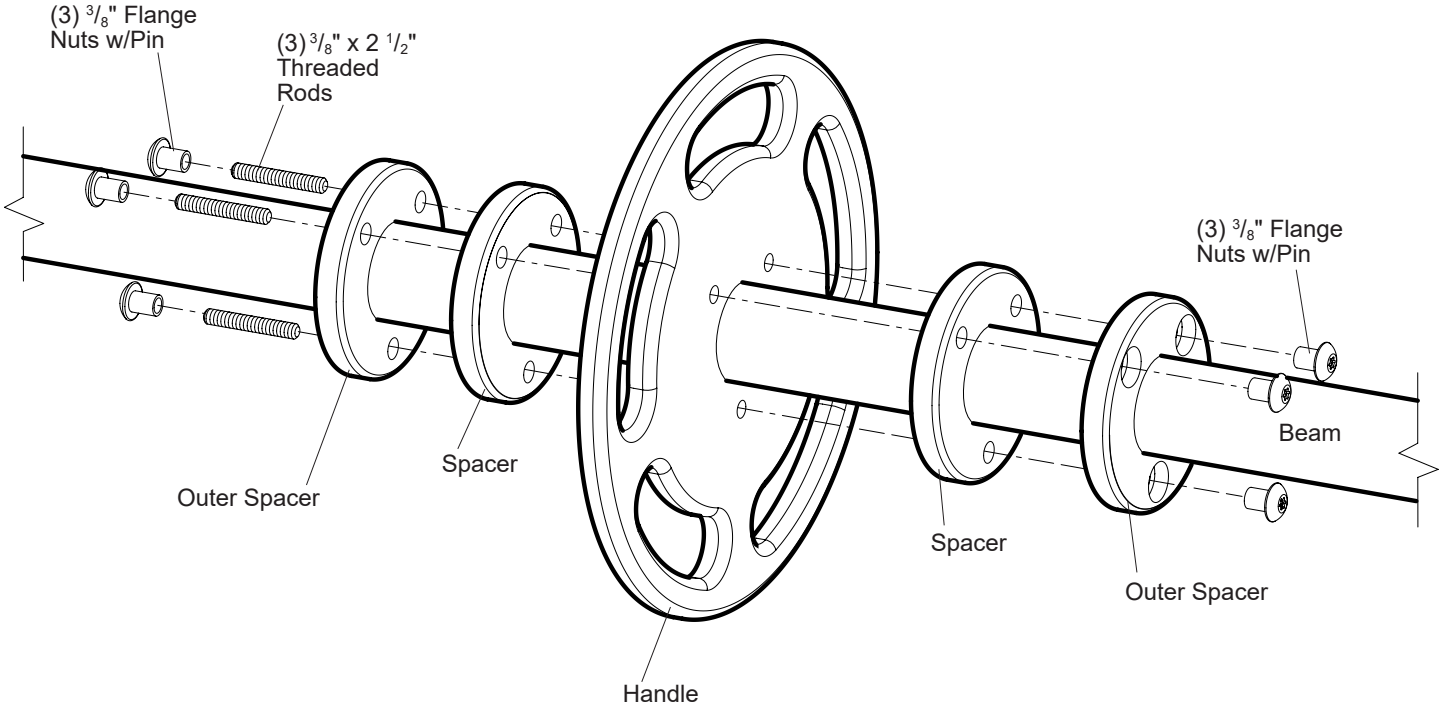
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
HANDLE ASSEMBLY



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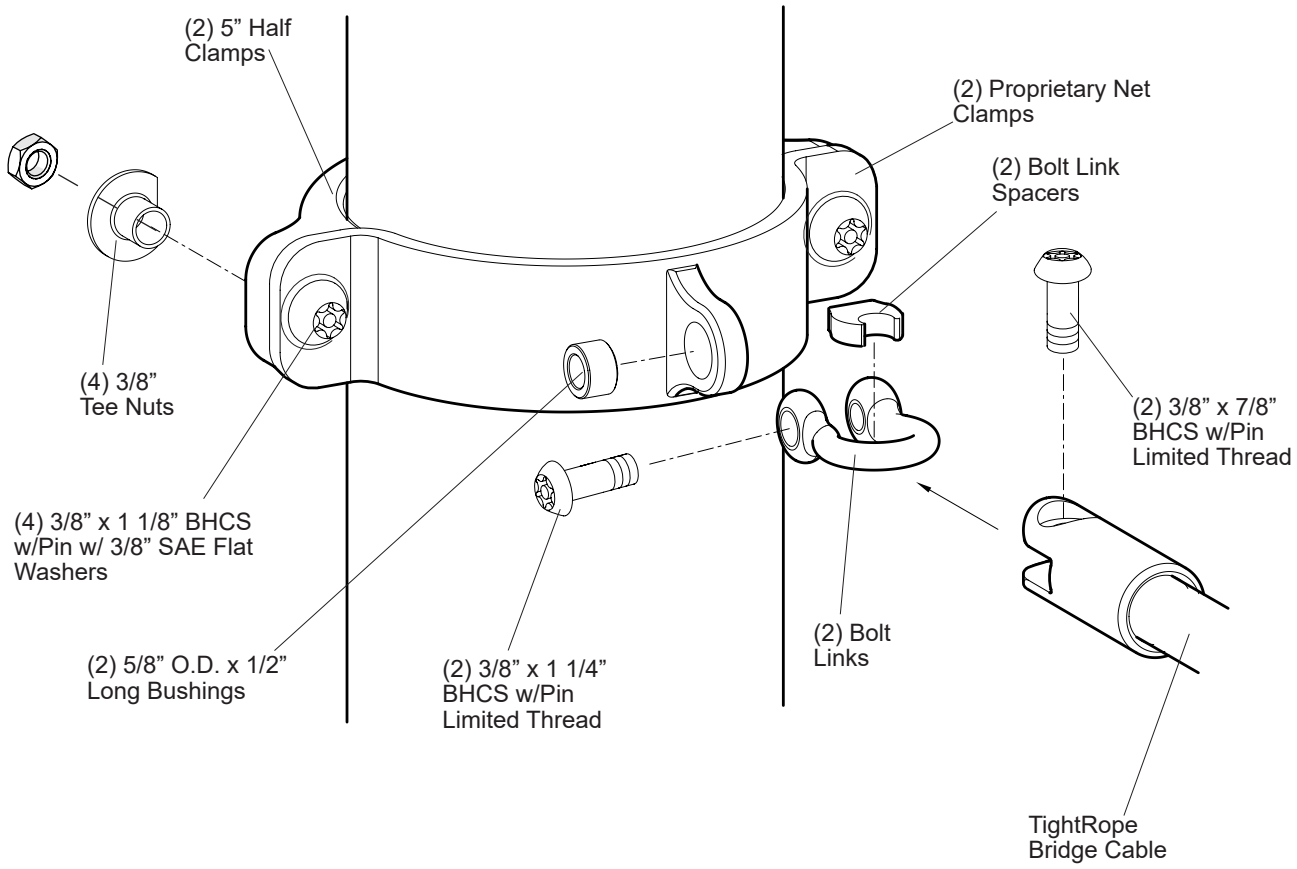
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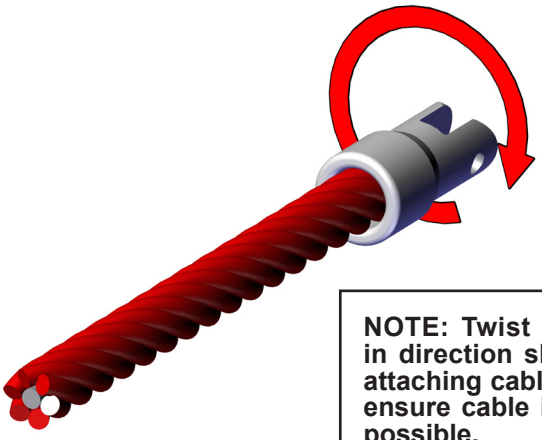
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
TIGHTROPE BRIDGE CABLE ATTACHMENT



DETAIL
CABLE TIGHTENING



NOTE: Twist bridge cable in direction shown, before attaching cable to clamp to ensure cable is as tight as possible.

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PlayBooster® 193173 TightRope™ Bridge

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Parts List

Part#	Description	Qty.
	Ground Level	
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	4
161898	Net Clamp, Specify Color	2
192748	Cable Ball Knot (Half), Specify Color	8
227673	Cable, Black	1
192784	Beam, Specify Color	1
192785	Clamp TightRope Bridge, Specify Color	2
192911	Handle, Black	1
193136	Spacer, Black	2
193717	Outer Spacer, Black	2
313694	**TightRope Bridge Hardware Package**	1
100171	3/8" x 1 1/2" BHCS w/Pin, SST	8
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	10
100365	3/8" SAE Flat Washer, SST	12
100642	3/8" x 2 1/2" Threaded Rod, SST	3
116942	3/8" x 2" Threaded Rod, SST	2
128296	3/8" Jam Nut, SST	4
156962	5/8" O.D. x ½" Bushing, SST	2
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	2
138915	Bolt Link, SST	2
100292	3/8" x 1 1/4 BHCS, 6 Lobe Pin Limited Thread, SST	2
196319	Bolt Link Spacer, AL	2
	Ground To Deck	
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	5
161898	Net Clamp, Specify Color	2
192748	Cable Ball Knot, Specify Color	8
227673	Cable, Black	1
192784	Beam, Specify Color	1
192785	Clamp TightRope Bridge, Specify Color	2
192911	Handle, Black	1
193136	Spacer, Black	2
193717	Outer Spacer, Black	2
141541	Grab Bar, Specify Color	1
313694	**TightRope Bridge Hardware Package**	1
100171	3/8" x 1 1/2" BHCS w/Pin, SST	8
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	10
100365	3/8" SAE Flat Washer, SST	12
100642	3/8" x 2 1/2" Threaded Rod, SST	3
116942	3/8" x 2" Threaded Rod, SST	2
128296	3/8" Jam Nut, SST	4
156962	5/8" O.D. x 1/2" Bushing, SST	2
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	2
138915	Bolt Link, SST	2
100292	3/8" x 1 1/4 BHCS, 6 Lobe Pin Limited Thread, SST	2
196319	Bolt Link Spacer, AL	2
106518	**Grab Bar Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	1
	Deck To Deck	
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	6
161898	Net Clamp, Specify Color	2
192748	Cable Ball Knot, Specify Color	8
227673	Cable, Black	1
192784	Beam, Specify Color	1
192785	Clamp TightRope Bridge, Specify Color	2
192911	Handle, Black	1
193136	Spacer, Black	2
193717	Outer Spacer, Black	2
141541	Grab Bar, Specify Color	2
313694	**TightRope Bridge Hardware Package**	1
100171	3/8" x 1 1/2" BHCS w/Pin, SST	8
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	10
100365	3/8" SAE Flat Washer, SST	12
100642	3/8" x 2 1/2" Threaded Rod, SST	3
116942	3/8" x 2" Threaded Rod, SST	2
128296	3/8" Jam Nut, SST	4
156962	5/8" O.D. x 1/2" Bushing, SST	2
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	2
138915	Bolt Link, SST	2
100292	3/8" x 1 1/4 BHCS, 6 Lobe Pin Limited Thread, SST	2
196319	Bolt Link Spacer, AL	2
106518	**Grab Bar Hardware Package**	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100610	1/4" x 5/8" Drive Rivet, AL/SST	2

Specifications

Cable Assembly: **(Cable)** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6063-T6 aluminum.

Beam: Fabricated from 2.375" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,55 mm) wall galvanized steel tubing. Finish: ProShield®, color specified.

TightRope Clamp: Weldment comprised of 2" (50,8 mm) O.D. 11 GA. (.120") (3,05 mm) wall HRPO galvanized steel tube and 1/4" HRPO flat steel. Finish: ProShield, color specified.

Net Clamp: Weldment comprised of 1/4" x 1 3/4" HRPO flat steel and .375" stainless steel sheet. Finish: ProShield, color specified.

Spacers: Solid color Permalene®, black in color.

Handle: Solid color Permalene, black in color.

Grab Bar: Weldment comprised of formed 7/8" O.D. 11 GA (.120") and 1/4" x 1 3/4" stainless steel half clamp. Finish: TenderTuff™, color specified.

Cable Ball Knot: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Half Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 3 man hours

Weight: 57 lbs. Ground Level
62 lbs. Ground To Deck
67 lbs. Deck To Deck

Fall Height: 79" - 83" (2,06 m - 2,10 m)

Specifications are subject to change without notice.

PlayBooster® 193173 TightRope™ Bridge

Installation Instructions

1) **(Direct Bury)** Refer to the Site Plan for footing locations.
2) Attach net clamps to posts at height shown. Refer to the TightRope Bridge Cable Attachment Detail.
3) Attach TightRope bridge clamps to posts at height shown. Refer to the Beam Attachment Detail.
4) Slide spacers and handle onto beam. Fasten spacers to handle. Refer to the Beam Attachment Detail.
5) Slide beam onto TightRope bridge clamps. Attach beam to TightRope bridge clamps. Refer to the Beam Attachment Detail.
6) Insert $^{5}/_{8}$" O.D. x $^{1}/_{2}$" bushings into net clamp tabs. Attach balance cable to net clamp tabs. Refer to the Balance Cable Attachment Detail.
7) Attach cable ball knots to balance cable. Refer to the Cable Ball Knot Attachment Detail.
8) **(Ground To Deck & Deck To Deck)** Attach grab bars to posts at dimension shown, using 5" half clamps and $^{3}/_{8}$" x $^{7}/_{8}$" BHCS w/pin with $^{3}/_{8}$" tee nuts. Refer to the Typical Offset Hanger Clamp Assembly Sheet.
9) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Drill through hole in 5" half clamps and into 5" post with a $^{1}/_{4}$" or “F” (only) drill bit, insert drive rivet in hole through clamp and into post. Hammer drive rivet pin in until flush with head. Refer to the Typical Offset Hanger Clamp Spec Sheet.
10) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

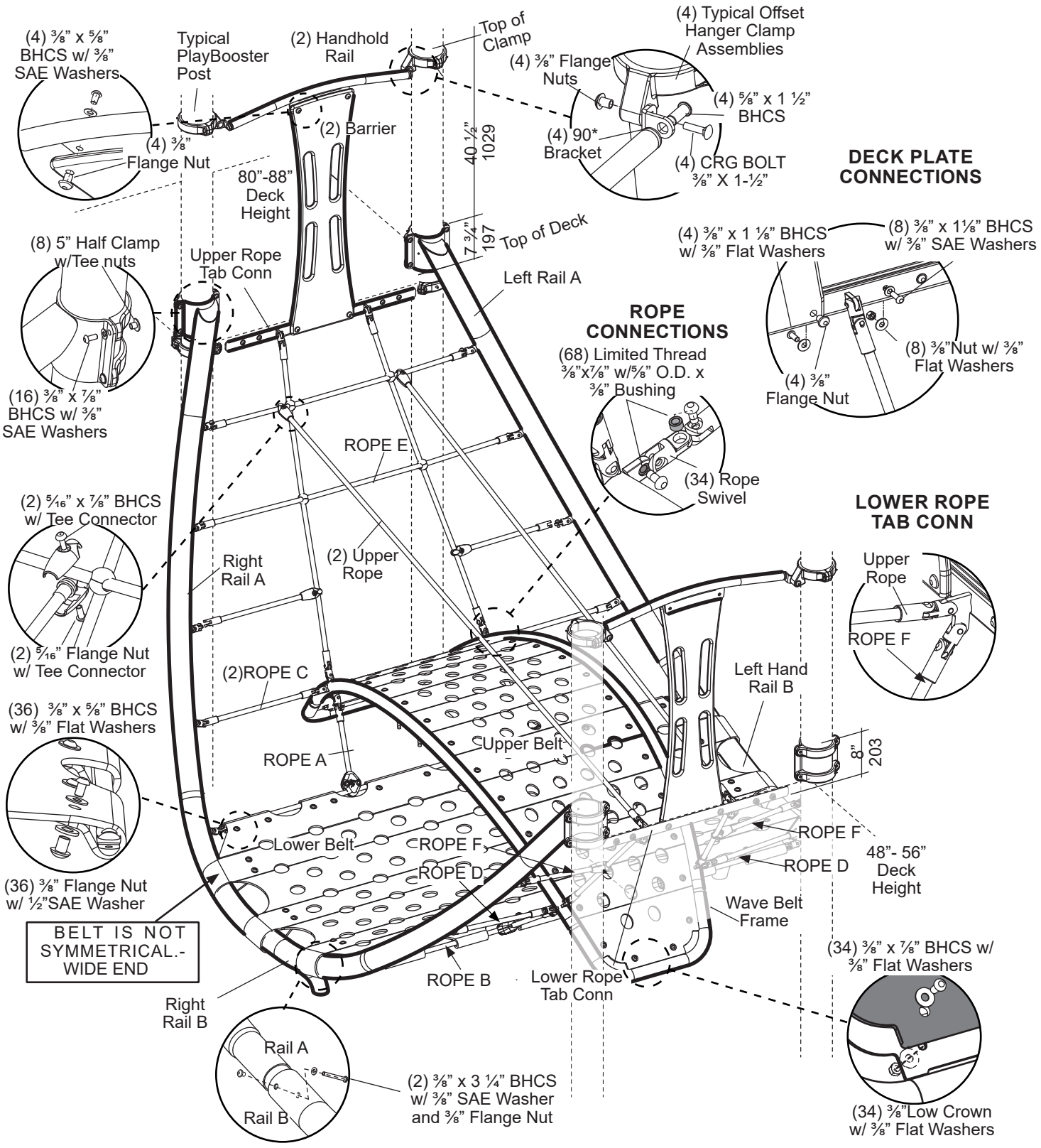
ECO# 0102332 Document 31369500 replaces 24191900. Updated hardware package.

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SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



PlayBooster®

302740 Tidal Wave Climber

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Document #30274100

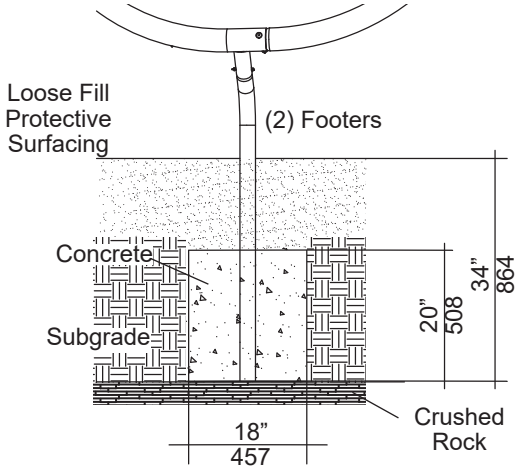
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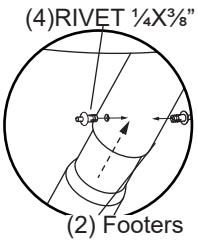
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SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DIRECT BURY

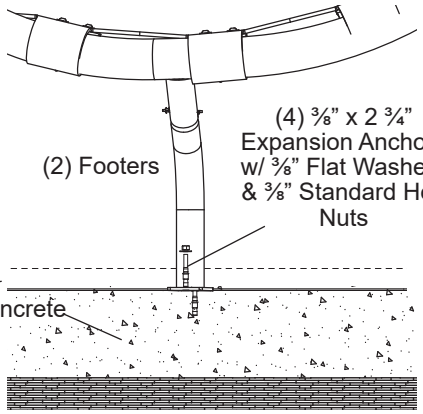


FOOTER ATTACHMENT

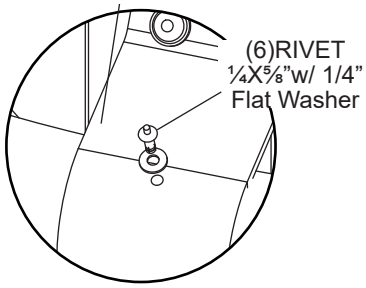


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

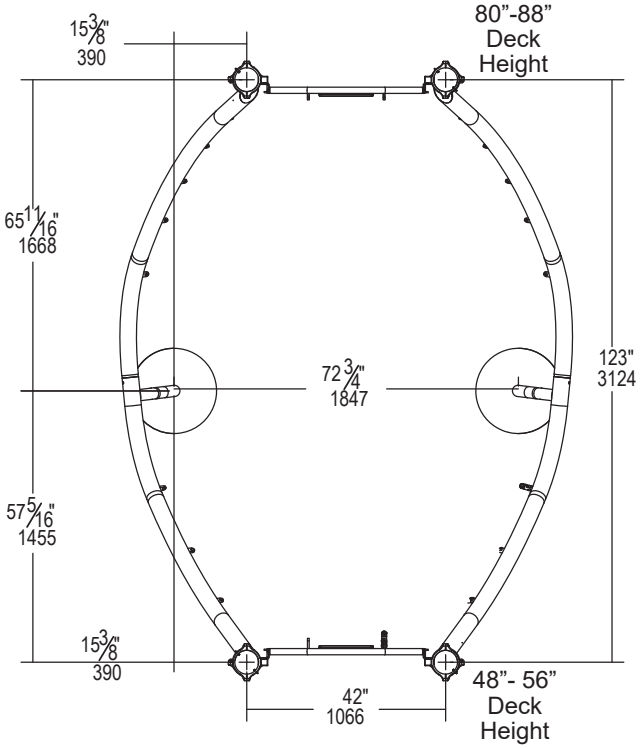
SURFACE MOUNT



LOWER BELT LOOP RIVETS



PLAN VIEW/FOOTING LAYOUT



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302741 Tidal Wave Climber

Parts List

Part#	Description	Qty
105327	5" Half Clamp	12
113729	5" Offset Clamp	4
174606	90* Bracket	4
191086	T-CONNECTOR	4
218781	Rope Swivel	34
276182	ROPE A	1
276183	ROPE B	1
276184	ROPE C	2
276185	ROPE D	2
276186	ROPE E	1
276187	ROPE F	2
276525	Barrier	2
276534	Upper Rope Tab Conn.	1
276536	Lower Belt	1
276587	Upper Belt	1
277222	Lower Rope Tab Conn.	1
277231	Upper Rope	2
302673	Rail B Right	1
302676	Rail B Left	1
302730	Left Hand Rail	1
302731	Right Hand Rail	1
303607	Handhold Rail	2
303745	WAVE BELT FRAME	1
276094	LOWER RAIL A FOR 56i DK/DB	2
306002	LOWER RAIL A FOR 56i DK/2iSM	2
306003	LOWER RAIL A FOR 48i DK/DB	2
306004	LOWER RAIL A FOR 48i DK/2iSM	2
302729	**HDW PKG TIDAL WAVE CLIMBER**	**1**
100195	BHCS 6LP 3/8x5/8i SST	40
100196	BHCS 6LP 3/8x7/8i SST	50
100198	BHCS 6LP 3/8x1-1/8i SST	20
100201	BHCS 6LP 5/8x1-1/2i SST	4
100290	BHCS 6LP LTHD 3/8x7/8iSST	68
100327	NUT HEX STD 3/8-16 SST	8
100349	NUT L/C CAP 3/8-16 SST	34
100351	NUT MOD-T 3/8-16 SST	24
100362	WASHER FLAT 3/8i SST	116
100610	RIVET 1/4X5/8"	18
100611	RIVET 1/4X3/8"	4
122039	WASHER FLAT 1/4x3/4iOD SST	6
127179	BUSHING 5/8OD X 3/8 LG SST	68
132626	BHCS 6LP 5/16x7/8i SST	2
175006	FLG NUT 6LP 5/16-18 SST	2
116017	CRG BOLT 3/8x1-1/2i SST	4
113550	WASHER FLAT SAE 1/2i SST	36
100168	BHCS 6LP 3/8x3-1/4iSSTPAT	2
100353	FLG NUT 6LP 3/8-16 SST	50
100365	WASHER FLAT SAE 3/8i SST	30
111391	**HDW PKG 2-HOLE SM 3/8-16**	**2**
100263	EXP ANCHOR 3/8x2-3/4i ZP	2
100327	NUT HEX STD 3/8-16 SST	2
100362	WASHER FLAT 3/8i SST	2

Specifications

Cable Assy: (Cable) Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. (Cable Connectors) 6063-T6 aluminum.

Fasteners: Primary fasteners shall be socketed and pinned tamper-proof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Belt: Made from .315" (8,00 mm) thick mini rough top 3-ply rubber belting with polyester fabric plys, black in color.

Offset Hanger

Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Permalene: 3/4" Thick HDPE Permalene, Specify color.

Tidal Wave

Lower Frame: Weldment/assembly consisting of galvanized steel tube 3.5iOD .120W (RS20), galvanized steel tube 2.375iOD .109W (RS20), SST sheet 3/8" (Tabs), zinc plated steel .25" (clamp)

Tidal Wave

Upper Frame: Weldment consisting of galvanized steel tube 1.9iOD .120W (RS40), HRPO steel sheet .1793" (7Ga), SST plate .375".

Tidal Wave

Net Bracket: Weldment comprised of SST 3/8" (tab), HRPO steel .250".

Tidal Wave

Barrier Bracket: Weldment comprised of galvanized steel tube 1.315"OD .083W (RS20), HRPO steel .1793i X 48i X 96i (7Ga), SST slug 1.315 X 5/8 TPD.

Installation Time: DB - Approx. 8 person hours

Concrete Req: DB - Approx. 7 cu. ft.

Weight: DB - 498 lbs.

Fall Height: Deck Height

Installation Instructions

1) Dig footer for the footer. Refer to Direct Bury Detail.
2) Sleeve Lower Rail A Right onto footer. Make sure the footer is facing towards the inside. Sleeve Rail B Right into Lower Rail A Right
3) Attach Rail B then the lower Rail A to the PlayBooster posts. See clamp detail
4) Sleeve Lower Rail A Left onto footer. Make sure the footer is facing towards the inside. Sleeve Rail B Left into Lower Rail A Left
5) Attach Barrier with the Upper Rope Tab Conn between the barrier and the deck. Secure Upper Rope Tab Conn with remaining hardware. See detail
6) Attach handhold rail to the top of the barrier See Detail
7) Attach Barrier with the Lower Rope Tab Conn between the barrier and the deck. Secure Lower Rope Tab Conn with remaining hardware. See detail
8) Attach handhold rail to the top of the barrier See Detail
9) Attach Rope E to rails and Upper Rope Tab Conn.See Rope Connections Detail
10) Attach the two Rope F to rails and Lowerr Rope Tab Conn.See Rope Connections Note: See Lower Rope Tab Conn for proper location.
11) Attach Wave Belt Frame to Rope E and both Rope F's. See Rope Connections Detail

12) Attach the two Rope C's to the Rail A's and the Wave Belt frame. See Rope Connections detail.

13) Attach the two Rope D's to the Lower Rail B's and the Wave Belt frame. See Rope Connections detail.

14) Attach Rope A to the Wave Belt Frame and the two Rail A's

15) Attach Rope B to the Wave Belt Frame and the two Rail B's

16) Attach Lower Belt by wrapping it around the outside rails and Rope B and Rope A. See detail.

17) Transfer drill a 1/2" hole the lower rails and through bolt the rails together.

18) Attach upper bolt to the Wave Belt Frame. See detail

19) Connect the Two Upper Ropes as shown. See Tee connector detail and Rope Conncetion detail.

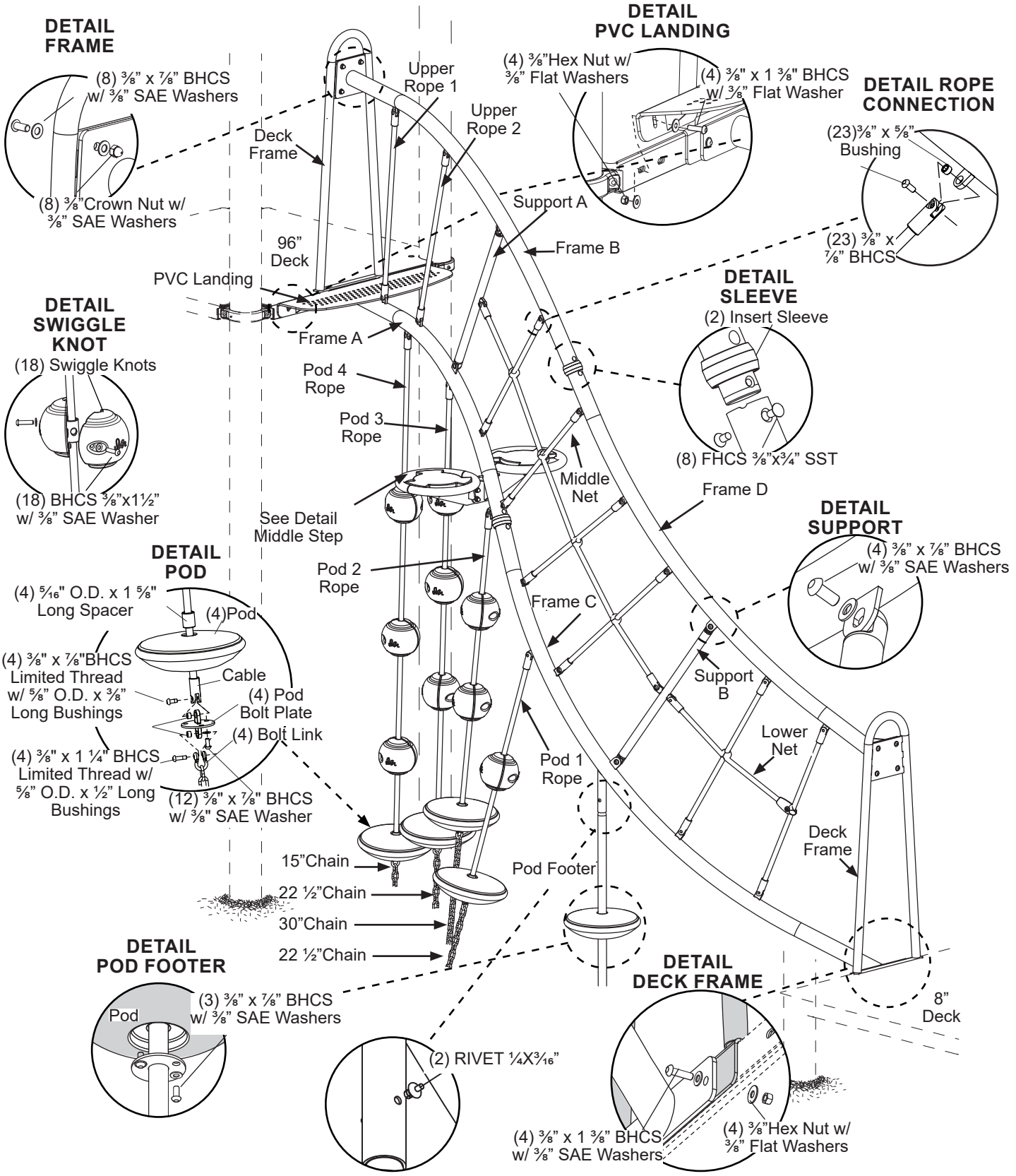
20) With all supports in plumb position pour concrete footings. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.

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SAFETY NOTE
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302748 Vine Climber

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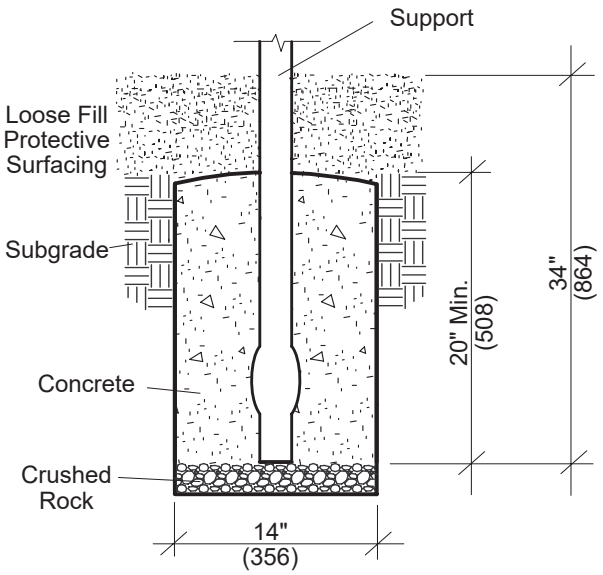
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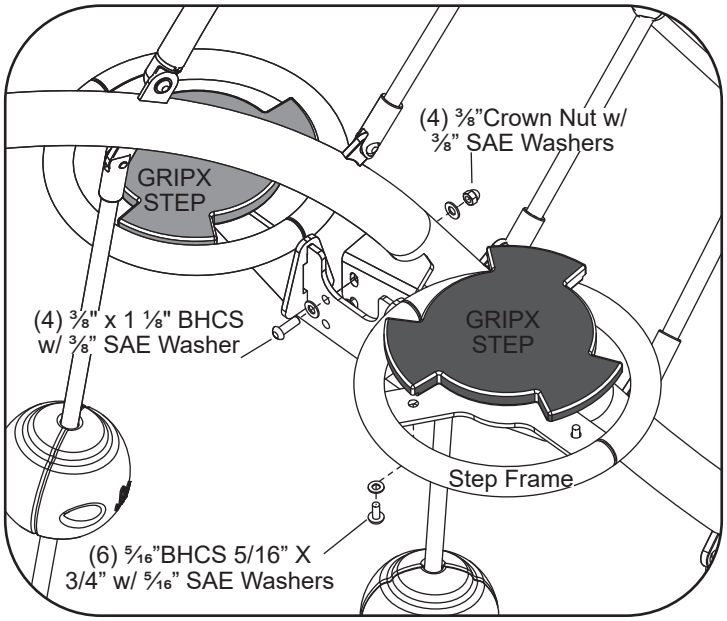
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SAFETY NOTE
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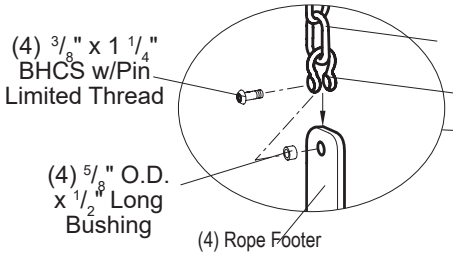
DETAIL DIRECT BURY



DETAIL MIDDLE STEP



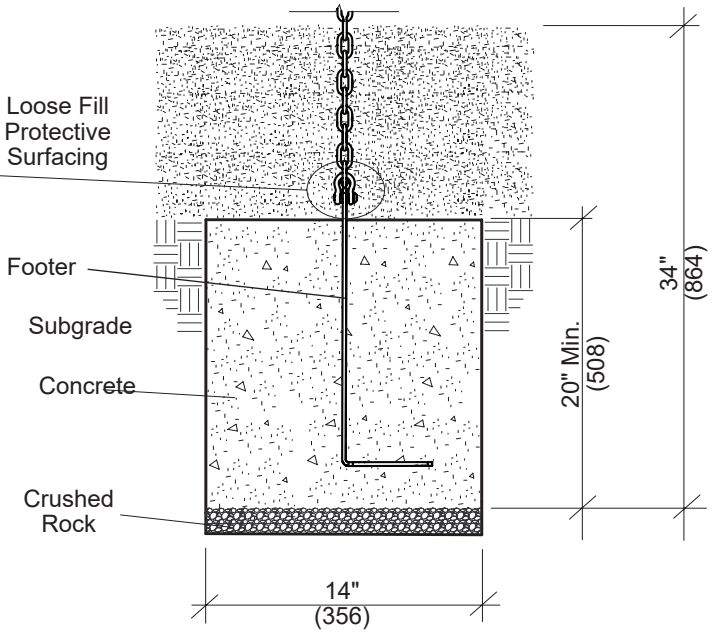
DETAIL PLATE FOOTER ATTACHMENT



IMPORTANT! Tension ropes/nets before pouring concrete footings.

NOTE: The hole depth for the footer needs to be deep enough, so the footer plate does not contact the bottom of the hole. The weight of the concrete will force the footer plate down, further tightening the cable.

DETAIL DIRECT BURY



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Document #30275000

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PlayBooster® 302748 Vine Climber

Parts List

Part#	Description	Qty.
150953	Insert Sleeve	2
154460	Pod, Roto	5
177932	POD BOLT PLATE	4
178586	Long Spacer	4
192748	Swiggle Knot	18
200435	CHAIN 15i	1
200438	CHAIN 22.5i	2
200441	CHAIN 30i	1
228709	GRIPX STEP	2
247871	Rope Footer	4
273296	Pod Rope 1	1
273297	Pod Rope 2	1
273298	Pod Rope 3	1
273299	Pod Rope 4	1
287244	Upper Rope 1	1
287245	Upper Rope 2	1
287246	Middle Net	1
287247	Lower net	1
301807	Deck Frame	2
301821	Frame A	1
301822	Frame B	1
301823	Frame C	1
301824	Frame D	1
303007	Step Frame	1
303703	PVC Landing	1
303730	Support A	1
303732	Support B	1
304446	Pod Footer	1
302749	**HDW PKG VINE CLIMBER**	**1**
100171	BHCS 6LP 3/8x1-1/2iSSTPAT	18
100196	BHCS 6LP 3/8x7/8i SST	27
100198	BHCS 6LP 3/8x1-1/8i SST	4
100290	BHCS 6LP LTHD 3/8x7/8iSST	27
100292	BHCS 6L LTHD 3/8x1-1/4SST	8
100327	NUT HEX STD 3/8-16 SST	8
100349	NUT L/C CAP 3/8-16 SST	12
100362	WASHER FLAT 3/8i SST	12
100365	WASHER FLAT SAE 3/8i SST	65
100609	RIVET 1/4X3/16i DRV AA	2
113027	BHCS 6LP 3/8x1-3/8i SST	8
127179	BUSHING 5/8OD X 3/8 LG SST	27
138915	BOLT LINK SST	8
148686	FHCS 6LP 3/8x3/4i SST PAT	8
156962	BUSHING 5/8 OD X 1/2 LG SST	8
223807	BHCS 6LP 5/16i -18 X 3/4i SST	6
223956	WASHER FLAT SAE 5/16i SST	6

Specifications

Installation Time:	DB - Approx. 2.5 person hours
Concrete Req.:	DB - Approx. 10.7. ft.
Weight:	DB - 296 lbs.
Fall Height:	96” (2,44)

Installation Instructions

1) Attach the pod to the to the pod footer. See Pod Footer Detail
2) Attach Deck Frame between the lower deck and Frame C. See Deck Frame Detail
3) Sleeve the Pod Footer into Frame C.
4) Attach Frame A to Frame C using the Insert sleeve. See detail
5) Attach Deck Frame between the upper deck and Frame A. See Deck Frame Detail
6) Attach Frame D to the Deck Frame. See Frame Detail.
7) Add support B to Frame C and D. See Support Detail
8) Attach Frame B to Frame D using a Insert Sleeve. See Sleeve Detail
9) Add Support A to Frame A and B. See Support Detail
10) Attach Frame B to the Deck Frame. See Frame Detail
11) Drill transfer holes for rivets with a F bit. Pound in 1/4”x3/16” rivets
12) Assemble the Step Frame. Attach the GripX Steps using 5/16”x3/4” with 5/16” SAE Washers. See Middle Step Detail.
13) Attach the Middle Step. See Middle Step detail
14) Attach PVC landing to deck. See Detail
15) Attach Upper ropes 1 and 2, the Middle Net and Lower Net. Refer to rope tab connection.
16) Feed cables A and B through 1 5/16” O.D. x 1 5/8” long spacers and holes in pods. Attach pod bolt plates to cables Refer to the Pod Attachment Detail.
17) Attach pod bolt plates to pods. Refer to the Pod Attachment Detail.
18) Attach Swiggle Knots to the pod ropes. See Swiggle Knot detail
19) Attach footers to chains. Refer to the Footer Attachment Detail.
20) With pod cable assemblies positioned properly, pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

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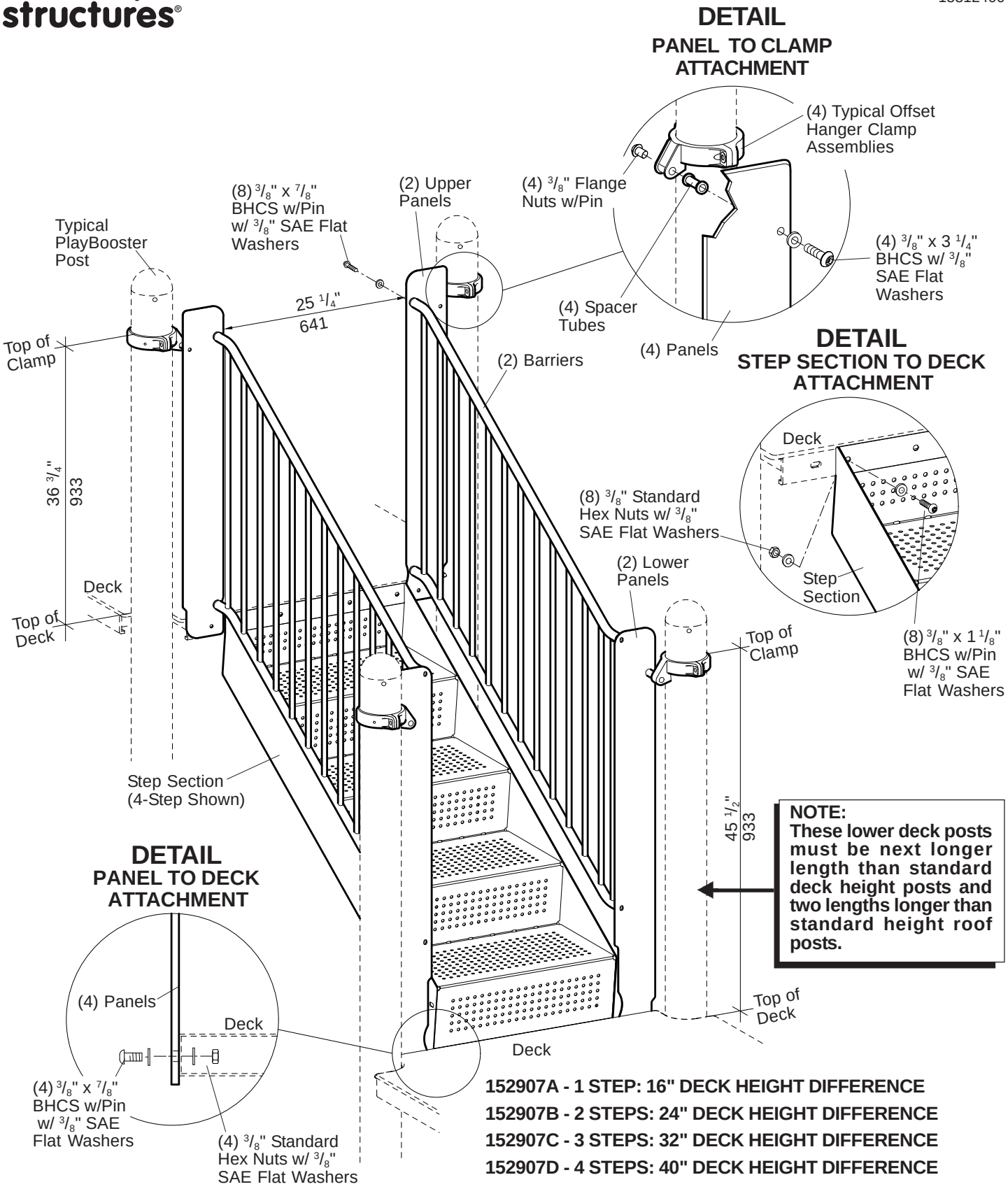
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

15312400



152907A - 1 STEP: 16" DECK HEIGHT DIFFERENCE

152907B - 2 STEPS: 24" DECK HEIGHT DIFFERENCE

152907C - 3 STEPS: 32" DECK HEIGHT DIFFERENCE

152907D - 4 STEPS: 40" DECK HEIGHT DIFFERENCE

PlayBooster® 152907 Deck Link, w/ Barriers

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Document #15628400

PlayBooster® 152907 Deck Link, w/ Barriers

Parts List

Part#	Description	Qty.
144696	1-Step Section, Specify Color	1
144698	2-Step Section, Specify Color	1
144700	3-Step Section, Specify Color	1
144702	4-Step Section, Specify Color	1
144703	1-Step Barrier, Specify Color	2
144705	2-Step Barrier, Specify Color	2
144707	3-Step Barrier, Specify Color	2
144709	4-Step Barrier, Specify Color	2
153896	Lower Panel, Specify Color	2
153895	Upper Panel, Specify Color	2
113468	Spacer Tube, Specify Color	4
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
156283	**Deck Link Barr/Hrail Hardware Package**	1
100168	3/8" x 3 1/4" BHCS, SST	4
100196	3/8" x 7/8" BHCS w/Pin, SST	12
100198	3/8" x 1 1/8" BHCS w/Pin, SST	16
100327	3/8" Standard Hex Nut, SST	12
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	36

Specifications

Panels: Zinc plated 7 GA. (.179") HR flat steel. Finish: ProShield®, color specified.

Step Section: Formed from 12 GA (.105) sheet steel conforming to ASTM A1011. Standing surface is 24 3/8" wide x 14" deep and is perforated with 5/16" diameter holes. Finish: TenderTuff, color specified.

Barrier: Weldment comprised of 1.125" O.D. x 11 Ga. (.120" wall) steel tubing, 5/8" O.D. steel bar with 203 or 303 stainless steel inserts with 3/8" internal threads. Finish: TenderTuff, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/2 man hours

Weight:
1-Step - 130 lbs.
2-Step - 182 lbs.
3-Step - 236 lbs.
4-Step - 296 lbs.

Fall Height: Deck Height

Installation Instructions

1) Attach step section to decks using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers, as shown. Refer to the Step Section To Deck Attachment Detail.

2) Attach upper and lower panels to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Panel to Deck Attachment Detail.

3) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

4) Attach upper and lower panels to offset hanger clamps using 3/8" x 3 1/4" BHCS with 3/8" SAE flat washers, spacer tubes and 3/8" flange nuts w/pin. Refer to the Panel To Clamp Attachment Detail.

5) Attach barriers to upper and lower panels using 3/8" x 7/8" BHCS w/pin and 3/8" SAE flat washers, as shown.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

7) Install protective surfacing before users are allowed to play on the structure.

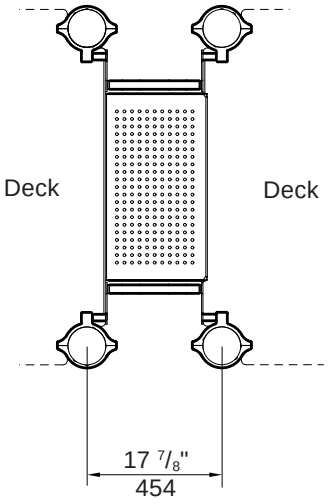
Specifications are subject to change without notice.

Eco #53000 Document #15628400 replaces #15312400. Added 3/8" x 1 1/8" BHCS w/Pin to hardware package.

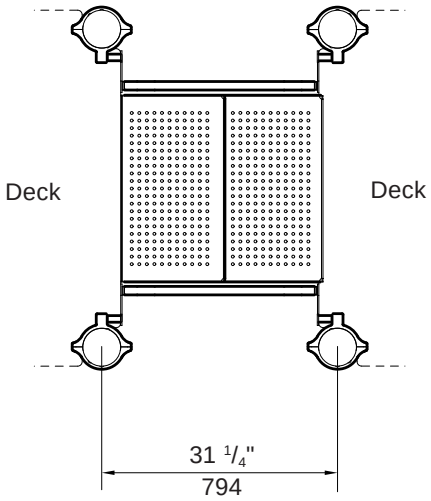
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PLAN VIEW/FOOTING LAYOUTS

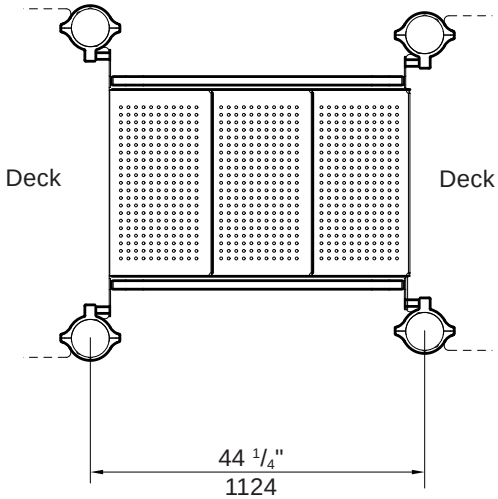
FOOTINGS/ 1-STEP



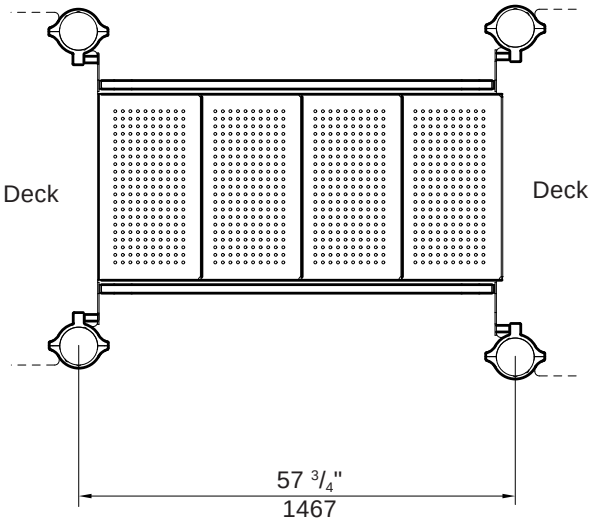
FOOTINGS/ 2-STEP



FOOTINGS/ 3-STEP



FOOTINGS/ 4-STEP



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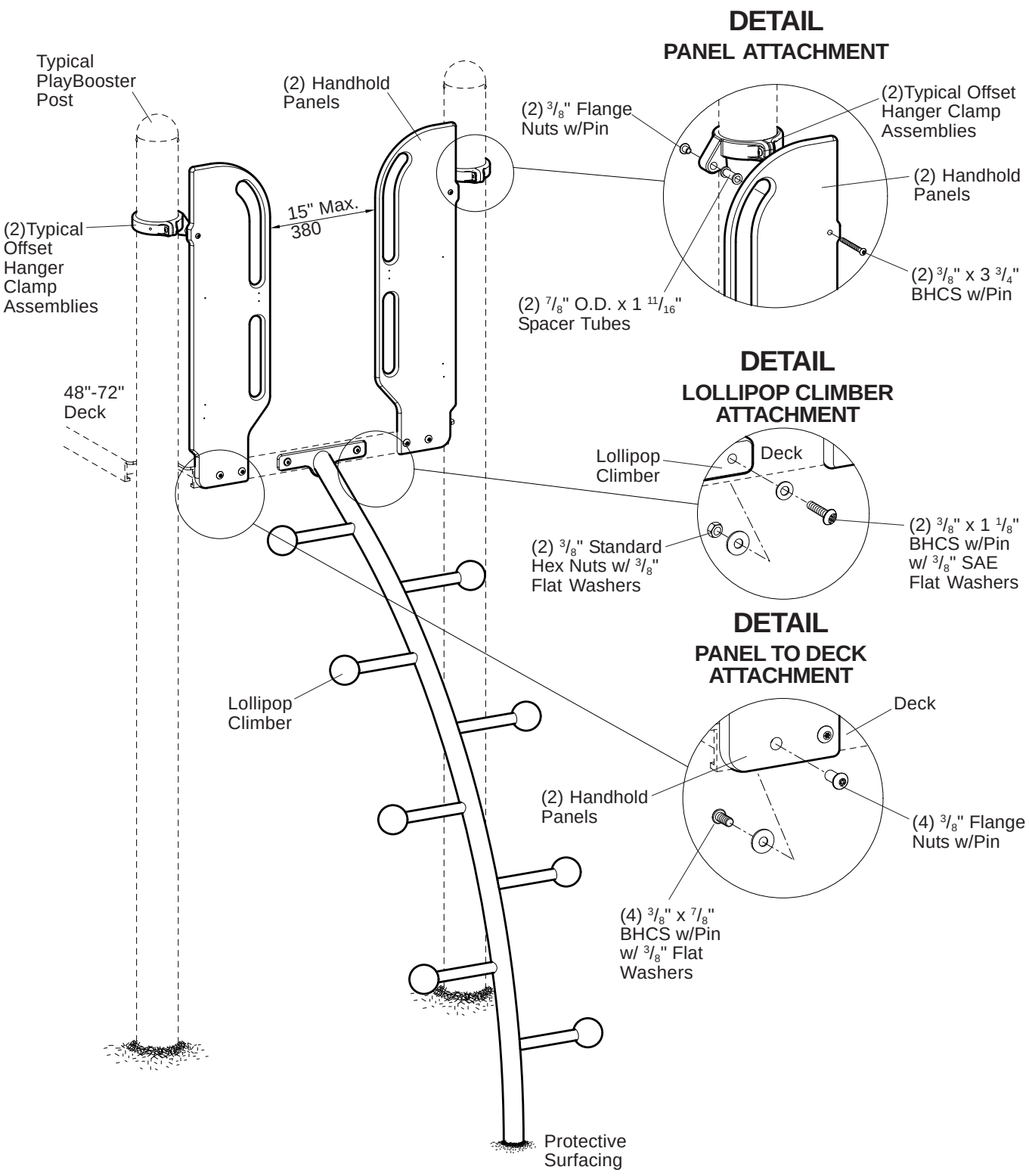
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

17608400



PlayBooster® 176078 Lollipop Climber, 48"-72" Deck

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PlayBooster® 176078 Lollipop Climber, 48"-72" Deck

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
113468	7/8" O.D. x 1 11/16" Spacer Tube, Specify Color	2
113729	5" Offset Hanger Clamp, Specify Color	2
139563	Handhold Panel, Specify Color	2
175873	48"-56" Lollipop Climber, DB, Specify Color	1
175871	64"-72" Lollipop Climber, DB, Specify Color	1
176115	48" Lollipop Climber, SM, Specify Color	1
176116	56" Lollipop Climber, SM, Specify Color	1
176117	64" Lollipop Climber, SM, Specify Color	1
176118	72" Lollipop Climber, SM, Specify Color	1
176384	**Lollipop Climber Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	6
100327	3/8" Standard Hex Nut, SST	2
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100362	3/8" Flat Washers, SST	6
100365	3/8" SAE Flat Washers, SST	2
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
111392	**2-Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchors	2
100322	1/2" Standard Hex Nut, SST	2
100363	1/2" Flat Washer, SST	2

DB = Direct Bury
SM = Surface Mount

Specifications

Lollipop Climber: Weldment comprised of 1.315" O.D. RS20 (.080"-.090" wall) galvanized steel tube, 2.375" O.D. RS20 (.095"-.105" wall) galvanized steel tube, 1/4" HRPO steel sheet and 10 GA. (.135") HRPO steel. Finish: ProShield®, color specified.

Handhold Panel: Permalene®, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **SM** - Approx. 1 1/2 man hours
DB - Approx. 2 man hours

Concrete: **DB** - Approx. 1.31 cu. ft.

Weight: **DB** 63 lbs. (48"-56")
DB 71 lbs. (64"-72")
SM 59 lbs. (48")
SM 60 lbs. (56")
SM 66 lbs. (64")
SM 68 lbs. (72")

Fall Height: Deck Height

Specifications are subject to change without notice.

Installation Instructions

1) **(Direct Bury)** Dig footing hole spaced as shown.

2) Attach the handhold panels to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" flat washers and 3/8" flange nuts w/pin.

3) Attach handhold panels to the offset hanger clamps, using 3/8" x 3 3/4" BHCS w/pin, 7/8" O.D. x 1 11/16" spacer tubes and 3/8" flange nuts w/pin. Refer to the Panel Attachment Detail.

4) Attach offset hanger clamps to posts at height shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

5) Attach Lollipop climber to deck, using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" flat washers.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Drill through hole in 5" half clamp and into 5" post with a 1/4" or "F" (only) drill bit, insert drive rivet into hole through clamp and into post. Hammer drive rivet pin in until flush with head. Refer to the Typical Offset Hanger Clamp Spec Sheet.

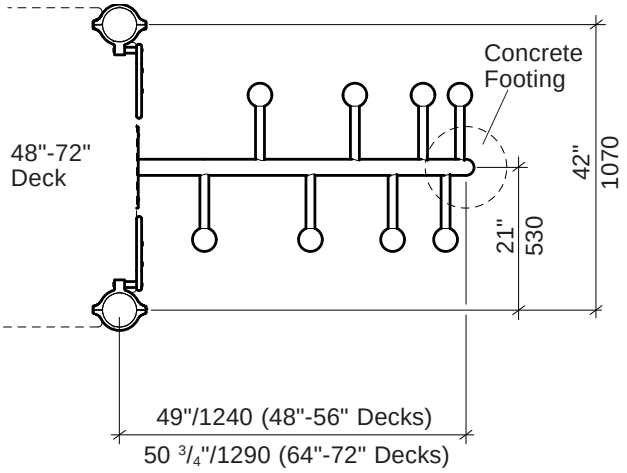
7) **(Direct Bury)** With Lollipop climber plumb, pour concrete footing. Allow concrete footing to cure for a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) With Lollipop climber plumb, drill 1/2" x 3" deep holes through mounting plates using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Fasten mounting plates to expansion anchors, using 1/2" standard hex nuts with 1/2" flat washers.

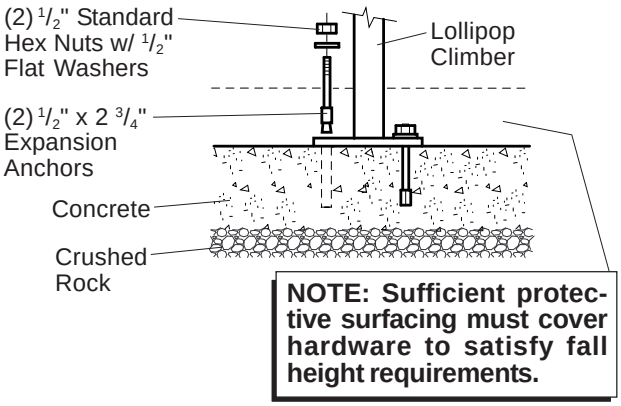
8) Install protective surfacing before users are allowed to play on the component.

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PLAN VIEW/FOOTING LAYOUT

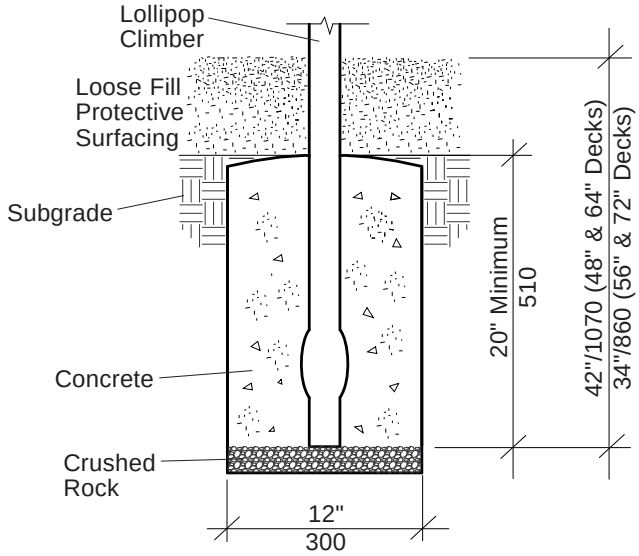


DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DETAIL
DIRECT BURY



PlayBooster® **176078 Lollipop Climber, 48"-72" Deck**

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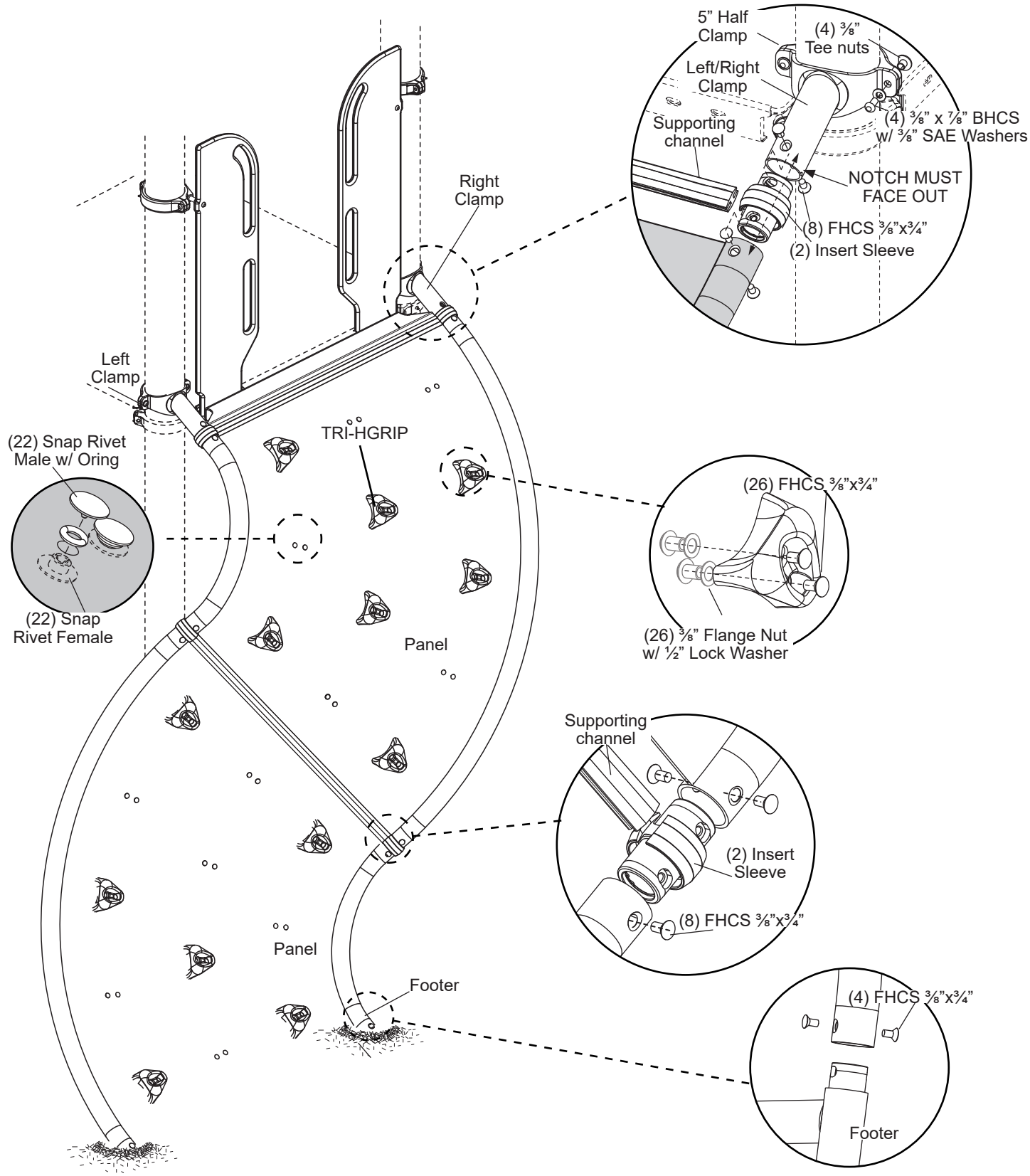
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



PlayBooster® 302754 Mobius Climber, w/Perm Handholds

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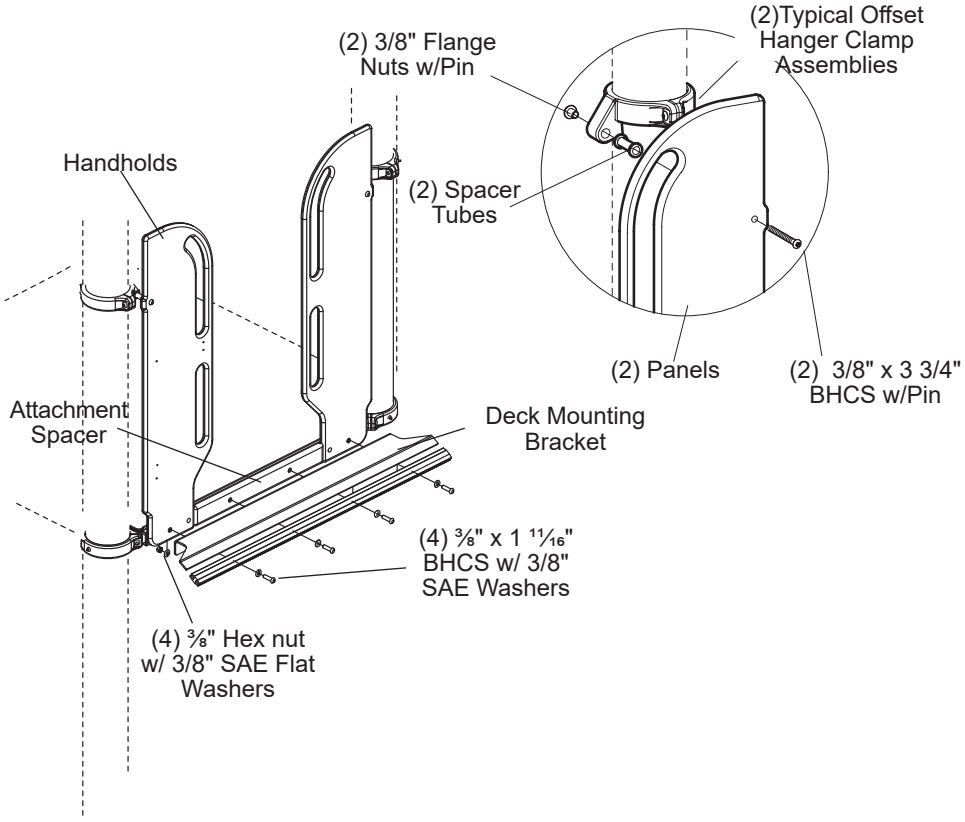
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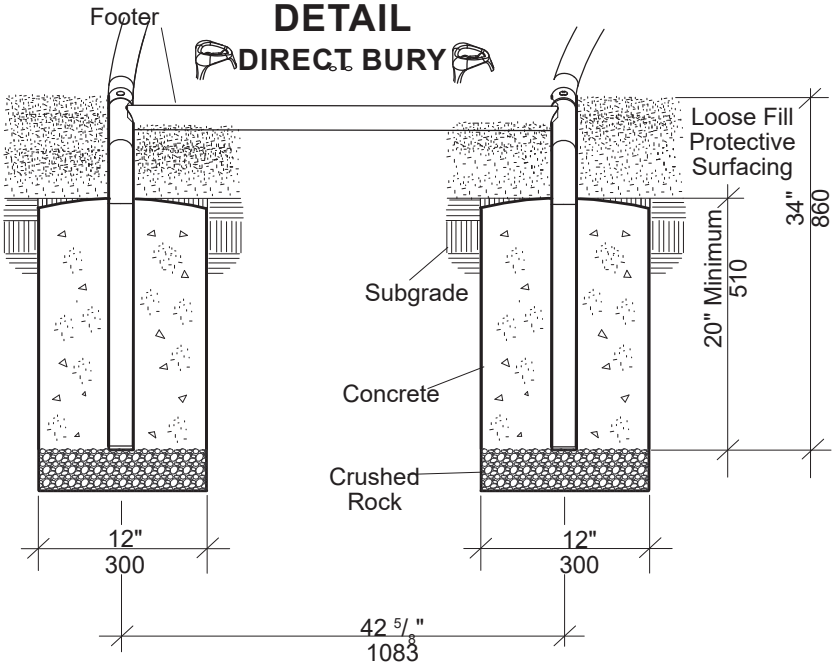
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SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

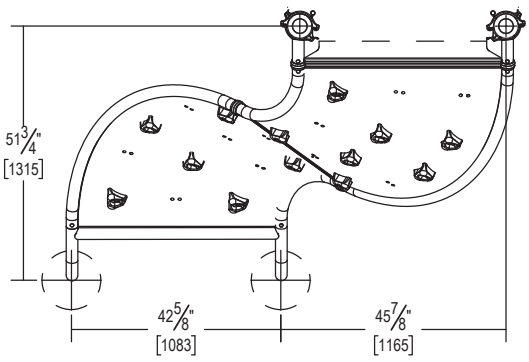
DETAIL
HANDHOLD ATTACHMENT



DETAIL
DIRECT BURY



DETAIL
FOOTER LOCATION



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Parts List

Part#	Description	Qty.
100610	Rivet 1/4x5/8”	4
105327	5” Half Clamp	4
113468	Spacer Tube	2
113729	5” Offset Hanger Clamp	2
122776	Attachment Spacer	1
139563	Handholds	2
150869	Panel	2
150952	Supporting Channel	2
153284	Tri-Hgrip	13
166603	Insert Sleeve	4
302744	Deck Mounting Bracket	1
302801	Footer	1
304046	Left Hand Clamp	1
304047	Right Hand Clamp	1
302753	**HDW PKG MOBIUS CLIMBER 72iDK PERM HHOLDS**	**1**
100196	Bhcs 6lp 3/8x7/8i Sst	4
100198	Bhcs 6lp 3/8x1-1/8i Sst	4
100327	Nut Hex Std 3/8-16 Sst	4
100351	Nut Mod-T 3/8-16 Sst	8
100353	Flg Nut 6lp 3/8-16 Sst	28
100365	Washer Flat Sae 3/8i Sst	12
123224	Bhcs 6lp 3/8x1-11/16i Sst	4
124460	Bhcs 6lp 3/8x3-3/4i Sst	2
148686	Fhcs 6lp 3/8x3/4i Sst Pat	46
152315	Lock Washer	26
160003	O-Ring 1/2odx1/4id	22
160020	Snap Rivet Male	22
160021	Snap Rivet Female	22

Specifications

Installation Time:	DB - Approx. 3 person hours
Concrete Req.:	DB - Approx. 3.14 cu. ft.
Weight:	DB - 200 lbs.
Fall Height:	72” (1,83)

Installation Instructions

1) Dig footer for the footer. Refer to Direct Bury Detail.
2) Attach footer to panel with FHCS 3/8”x3/4”. Refer to Detail
3) Insert supporting channel into insert sleeve grooves. Insert Panel into insert sleeve and post connecting insert sleeve into cone assembly tubes and attach using 3/8” x 3/4” SHCS w/pin. Refer to the Insert Sleeve/Supporting Channel Attachment Detail.
4) Put insert Sleeves into the top panel using FHCS 3/8”x3/4”.
5) Attach the left and right clamps using FHCS 3/8”x3/4”. **Note:** *The notch on the clamp must face outside.*
6) Slide the deck mounting bracket into the supporting chanel. Attach the Attachment spacer between the Deck Mounting Bracket and the Deck.
7) Attach Handholds between the Deck Mounting Bracket and the Deck. Attach the top portion of the handholds to the post. Refer to handhold detail.
8) With all supports in plumb position pour concrete footings. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.
9) Attach tri handholds to cone assemblies positioned as shown, using 3/8” x 3/4” SHCS w/pin & 3/8” flange nuts w/pin with 1/2” lock washers. Refer to the Tri Handhold Attachment Detail.
10) Fill additional holes with Snap Rivets. Male Rivet with an Oring are on the top side of the panel and attached with the female rivet on the underside of the panel.

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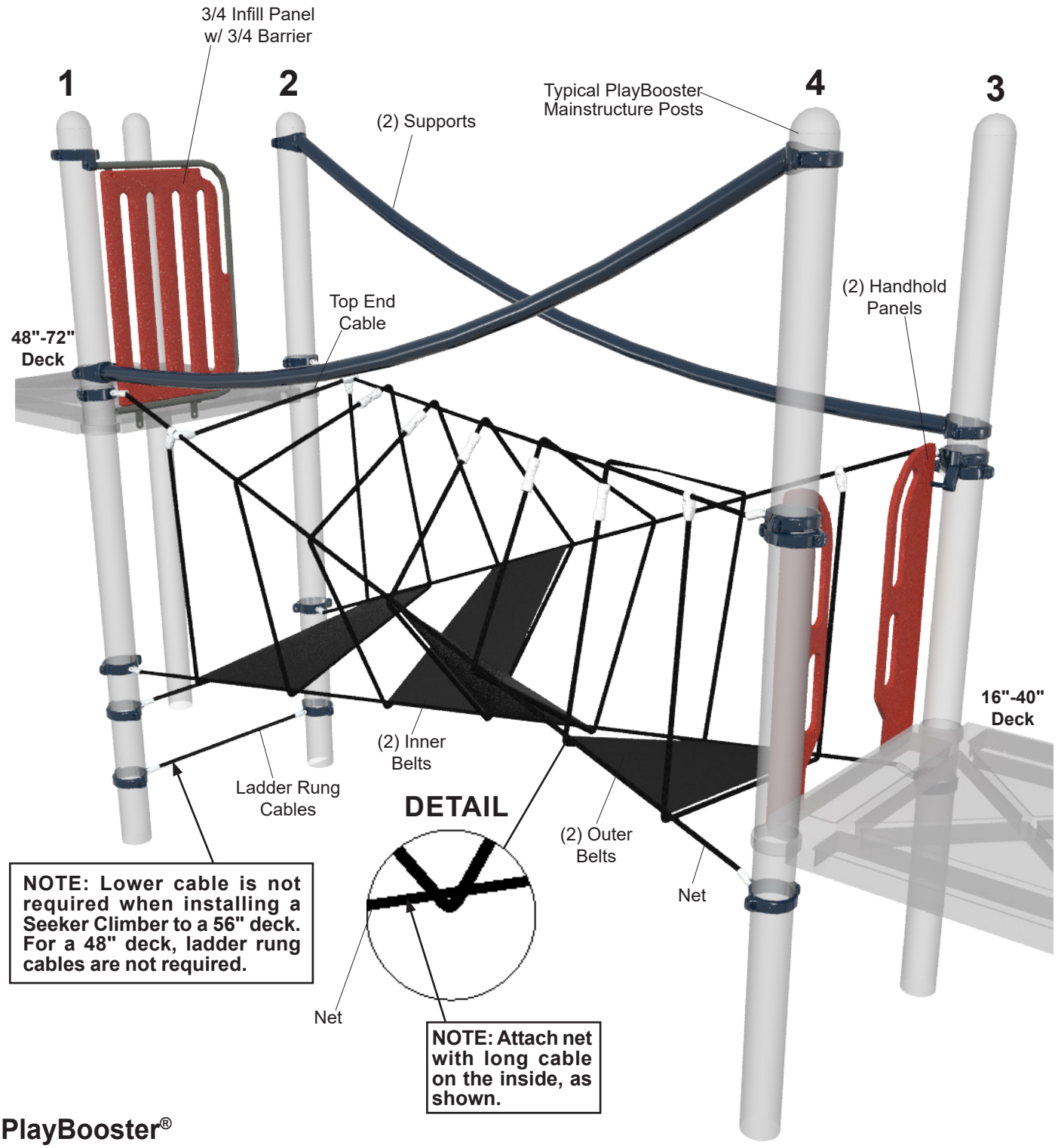
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

NOTE: Decks and posts are sold separately.



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203845 Seeker Climber, 32" Dk Diff. w/Permalene Handholds

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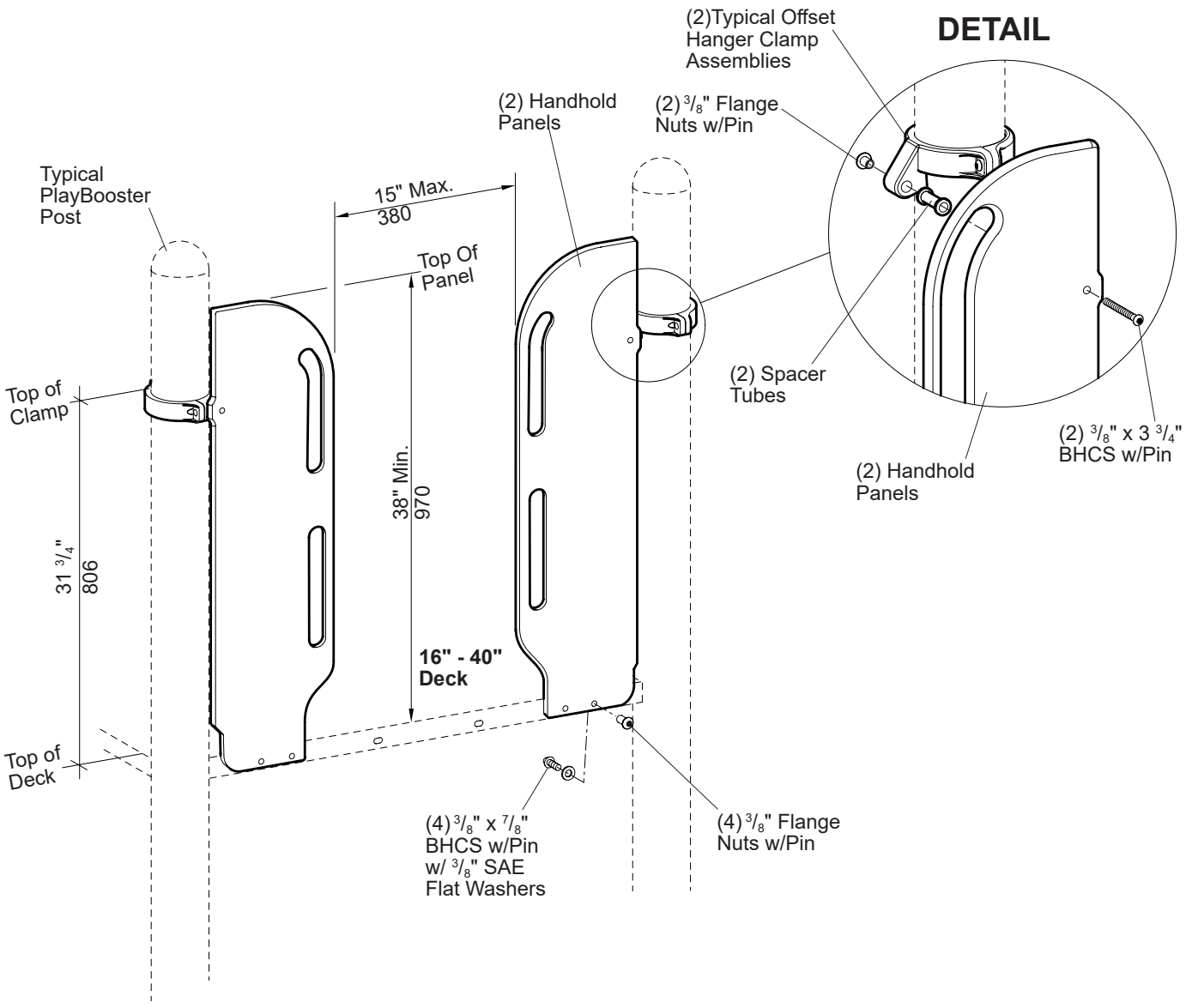
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SAFETY NOTE

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205410a

DETAIL
HANDHOLD PANEL ATTACHMENT



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203845 Seeker Climber, 32" Dk Diff. w/Permalene Handholds

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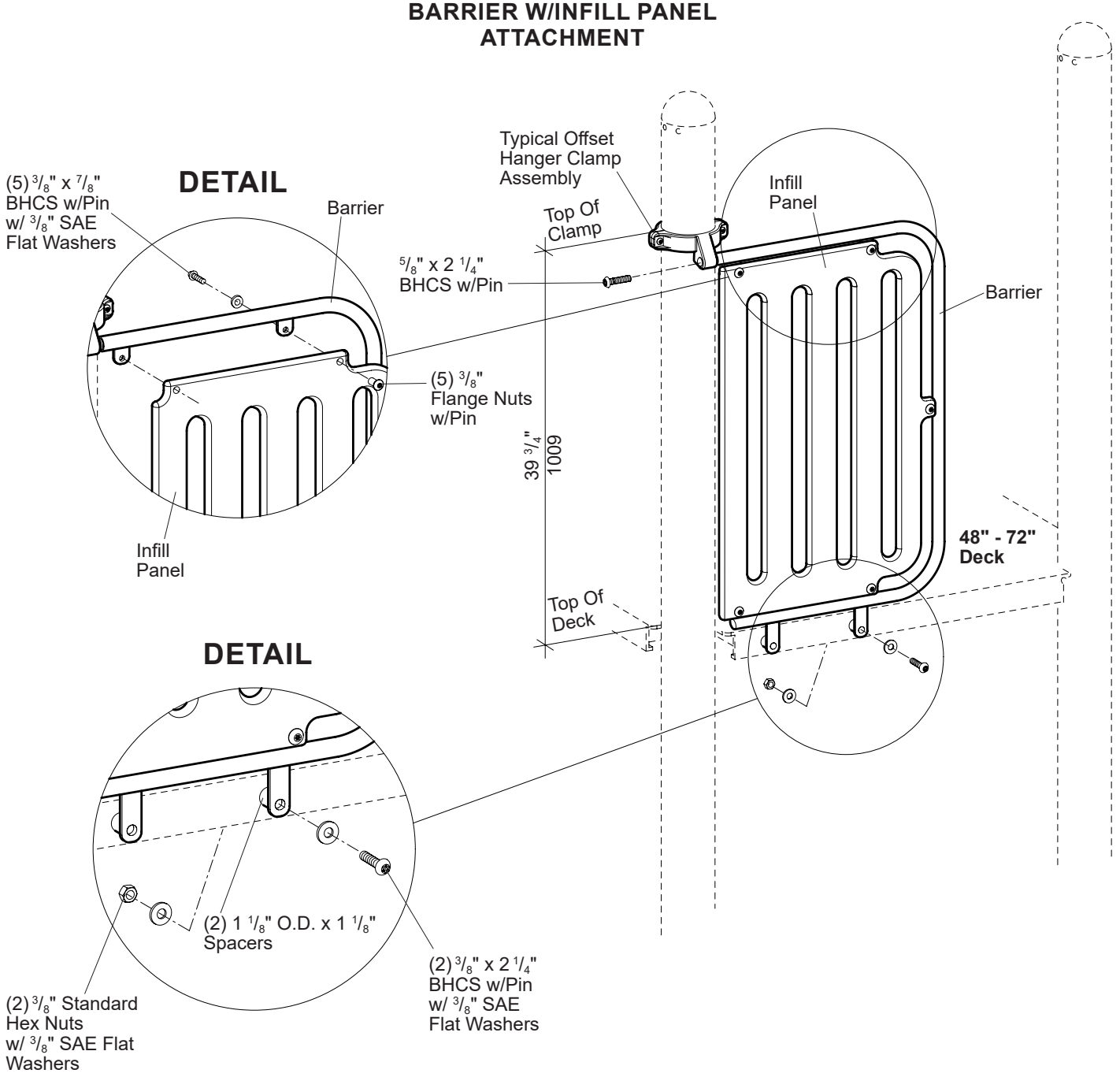
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

203846a

DETAIL
BARRIER W/INFILL PANEL ATTACHMENT



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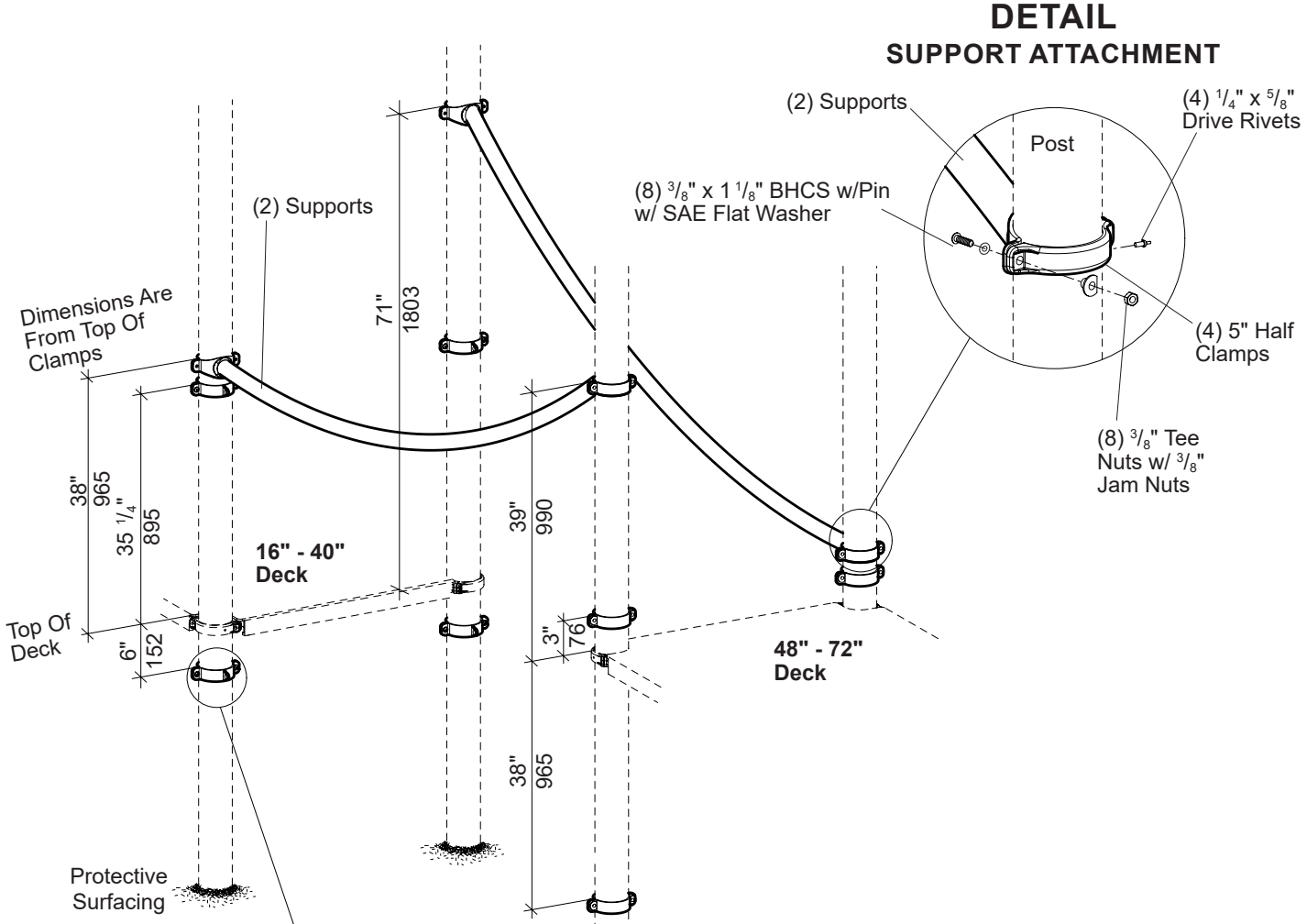
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SAFETY NOTE

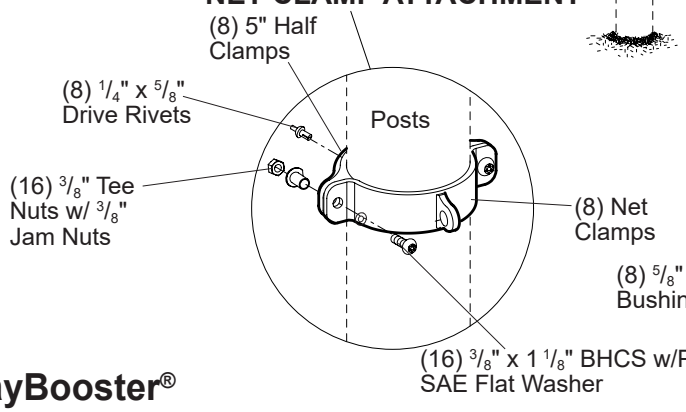
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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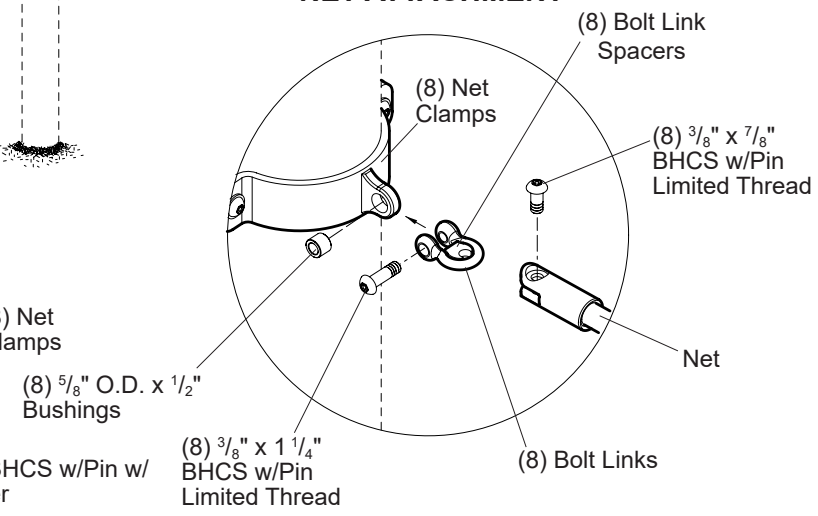


DETAIL
SUPPORT ATTACHMENT

DETAIL
NET CLAMP ATTACHMENT



DETAIL
NET ATTACHMENT



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203845 Seeker Climber, 32" Dk Diff. w/Permalene Handholds

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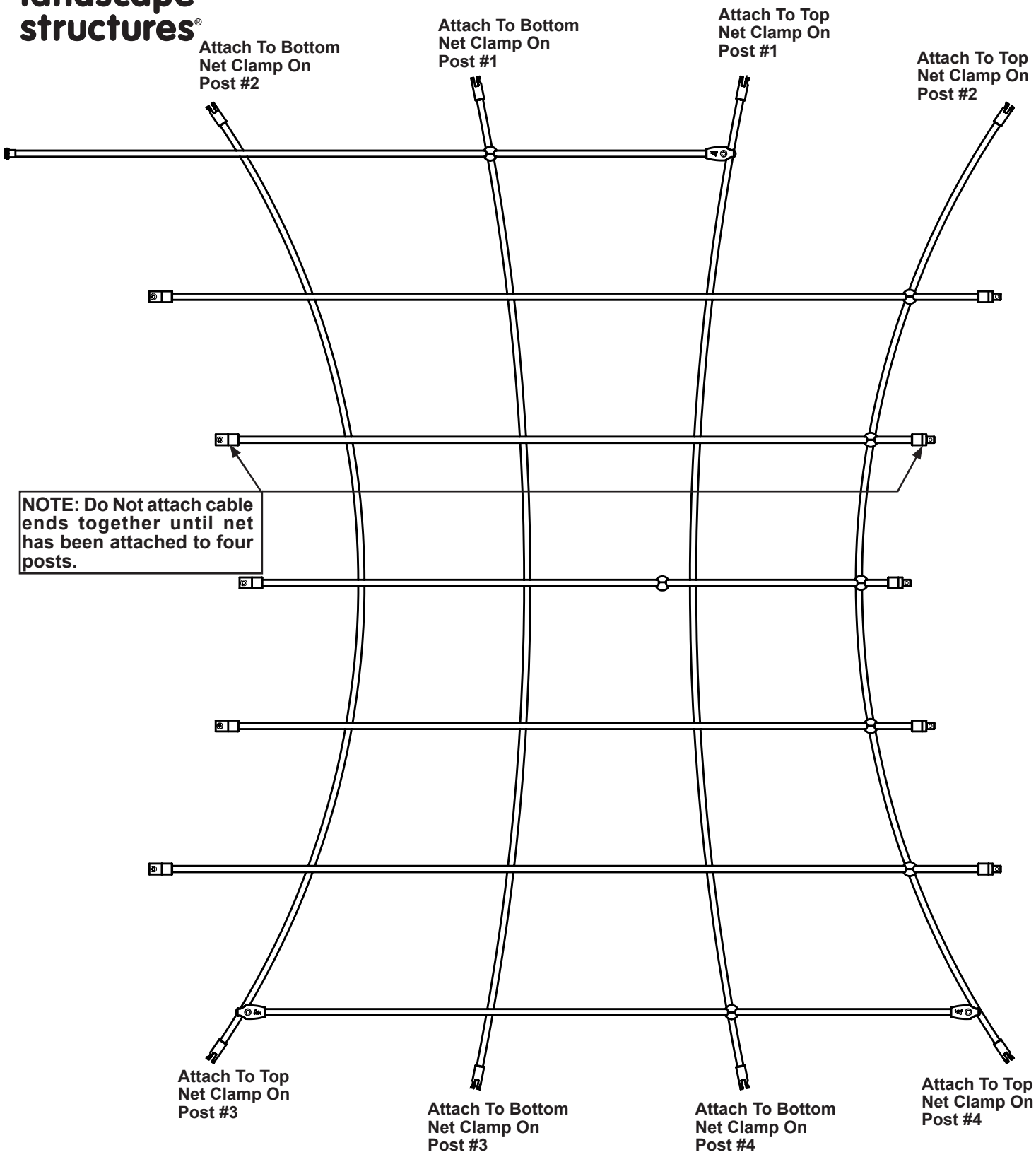
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SAFETY NOTE

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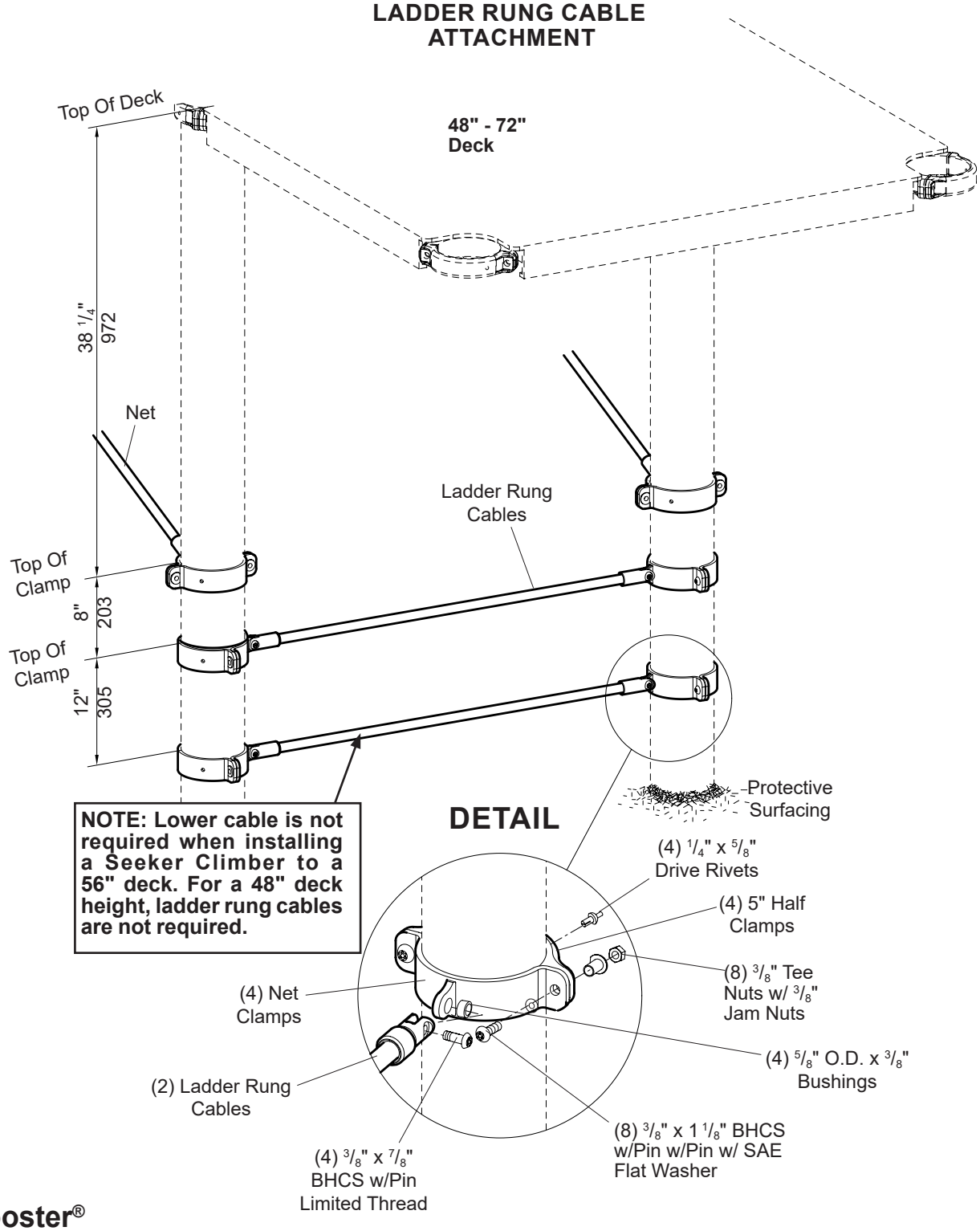
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SAFETY NOTE

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DETAIL

LADDER RUNG CABLE ATTACHMENT



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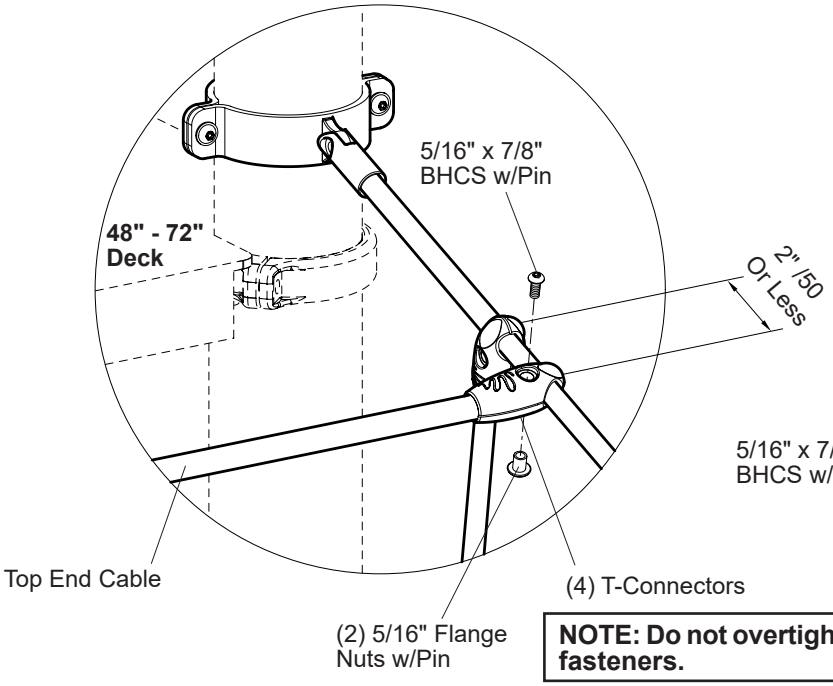
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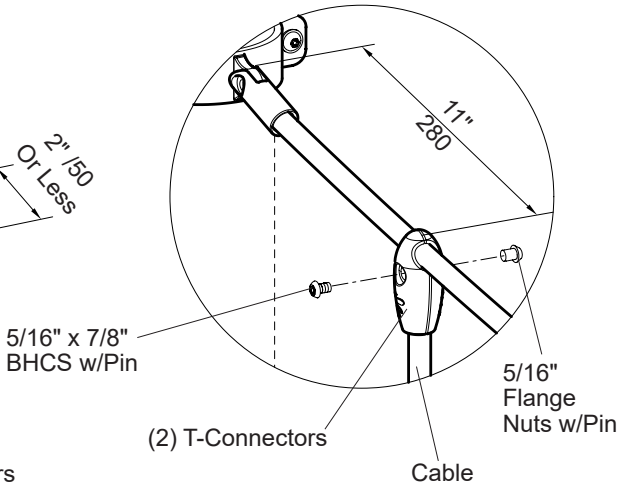
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
TOP END CABLE ATTACHMENT



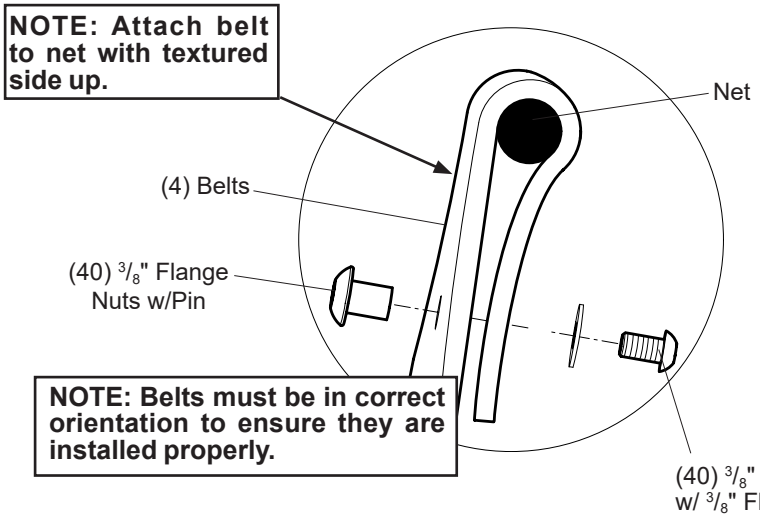
NOTE: Do not overtighten fasteners.

DETAIL
CABLE END ATTACHMENT



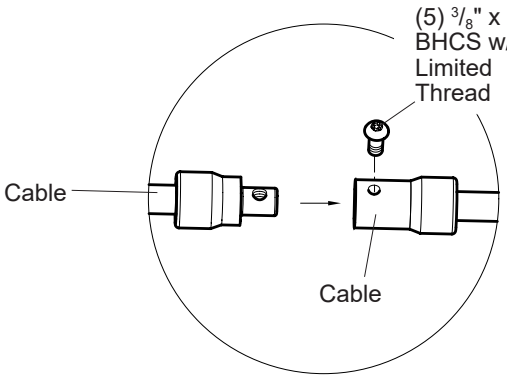
DETAIL
BELT ATTACHMENT

NOTE: Attach belt to net with textured side up.



NOTE: Belts must be in correct orientation to ensure they are installed properly.

DETAIL
CABLE TO CABLE CONNECTION



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PlayBooster® 203845 Seeker Climber, 32" Dk Diff. w/Permalene® Handholds

Parts List

Part#	Description	Qty.
190908	Support, Specify Color	2
203696	Net, Specify Color	1
228424	Inner Belt, Black	2
228422	Outer Belt, Black	2
161898	Net Clamp, Specify Color	*
100610	1/4" x 5/8" Drive Rivet, AL/SST	*
105327	5" Half Clamp, Specify Color	*
113468	7/8" O.D. x 1 11/16" Spacer Tube, AL., Specify Color	2
113729	5" Offset Hanger Clamp, Specify Color	3
139563	Handhold Panel, Specify Color	2
170930	Barrier, Specify Color	1
151072	1 1/8" O.D. x 1 1/8" Spacer, Specify Color	2
170931	Barrier Infill Panel, Specify Color	1
205507	Ladder Rung Cable, Specify Color	*
205506	Top End Cable, Specify Color	1
191086	T-Cable Connectors	4
139861	**Handhold Hardware Package**	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	4
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
170993	**Single Barrier w/Infill Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	5
100198	3/8" x 1 1/8" BHCS w/Pin, SST	2
100199	3/8" x 2 1/4" BHCS w/Pin, SST	2
100203	5/8" x 2 1/4" BHCS w/Pin, SST	1
100327	3/8" Standard Hex Nut, SST	2
100351	3/8" Tee Nut, SST	2
100353	3/8" Flange Nut w/Pin, SST	5
100365	3/8" SAE Flat Washer, SST	9
323021	**Seeker Climber Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	24
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	8
100362	3/8" Flat Washer, SST	40
156962	5/8" O.D. x 1/2" Bushing, SST	8
100353	3/8" Flange Nut w/Pin, SST	40
100195	3/8" x 5/8" BHCS w/Pin, SST	40
138915	Bolt Link, SST	8
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST	13
196319	Bolt Link Spacer	8
100351	3/8" Tee Nut, SST	24
128296	3/8" Jam Nuts, SST	24
132626	BHCS 6LP 5/16" x 7/8", SST	5
175006	Flg Nut 6LP 5/16", SST	5
191086	T-Cable Connectors	2
100365	WASHER FLAT SAE 3/8i SST	24
323020	**Net Clamp Hardware Package**	*
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
128296	3/8" Jam Nuts, SST	4
127179	5/8" O.D. x 3/8" Bushing, SST	2
100290	3/8" x 7/8" BHCS w/Pin Ltd. Thread Bolt, SST	2
100365	WASHER FLAT SAE 3/8i SST	4

*** = Quantity Determined By Your Order**

Specifications

Supports: Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) wall galvanized steel tube, and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield®, color specified.

Cable Assembly: **(Cable)** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6063-T6 aluminum.

Belts: .315" (8,00 mm) Thick mini rough top rubber belting with polyester fabric plys, black in color.

Infill Panel: Recycled Permalene®, color specified.

Handhold Panels: Recycled Permalene®, color specified.

Barrier: Weldment comprised of 1.125" (28,57 mm) O.D. 11 GA. (.120") (3,05 mm) steel tube per ASTM A513 with 203 or 303 stainless steel threaded inserts with 5/8" (15,88 mm) internal threads and 1/4" (6,35 mm) tabs. Finish: TenderTuff™, color specified.

Net Clamps: Weldment comprised of 1/4" (6,35 mm) x 1 3/4" (44,45 mm) HRPO flat steel and .375" (9,53 mm) stainless steel sheet. Finish: ProShield, color specified.

5" Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: 4 man hours

Weight: 16" to 48" Decks 224 lbs.
24" to 56" Decks 231 lbs.
32" to 64" Decks 238 lbs.
40" to 72" Decks 238 lbs.

Fall Height: Highest Deck Height

Installation Instructions

1) Attach handhold panels to lower deck. Refer to the Handhold Attachment Detail & Typical Offset Hanger Clamp Spec Sheet.
2) Attach barrier with infill panel to upper deck. Refer to the Barrier w/ Infill Panel Attachment Detail & Typical Offset Hanger Clamp Spec Sheet.
3) Attach supports to posts at height shown. Refer to the Support Attachment Detail.
4) Attach net clamps to posts at height shown. Refer to the Net Clamp Attachment Detail.
5) Attach net to net clamps. Refer to sheet one and the Net Attachment Detail.
6) Attach Top End Cable. Refer to the Top End Cable Attachment Detail.
7) Attach ladder rung cables below upper deck. Refer to the Ladder Rung Cable Attachment Detail.
8) Attach belts to net. Refer to the Belt Attachment Detail.
9) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Drill through hole in 5" half clamps and into 5" post with a 1/4" or "F" (only) drill bit, insert drive rivet in hole through clamp and into post. Hammer drive rivet pin in until flush with head. Refer to the Typical Offset Hanger Clamp Spec Sheet.
10) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO # 0102434 Document 32302200 replaces 25531900. Audit of the Seeker Climber model.

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SAFETY NOTE

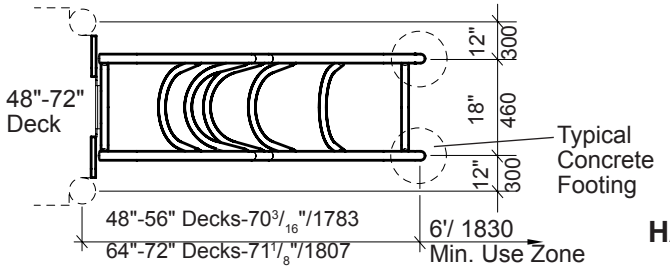
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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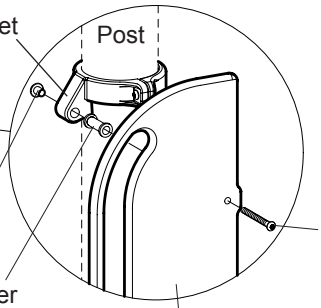
ELEVATION

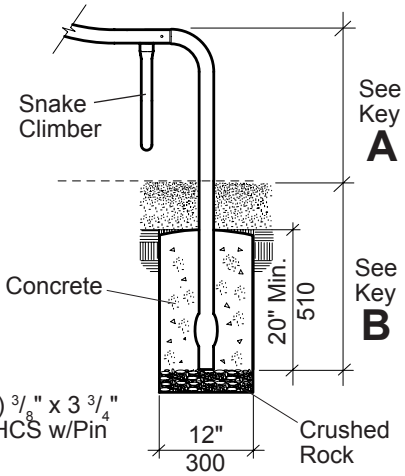
Key	A	B
48" Deck	15 3/4"	35 3/8"
56" Deck	23 3/4"	35 3/8"
64" Deck	17 1/8"	34"
72" Deck	25 1/8"	34"

PLAN VIEW/FOOTING LAYOUT

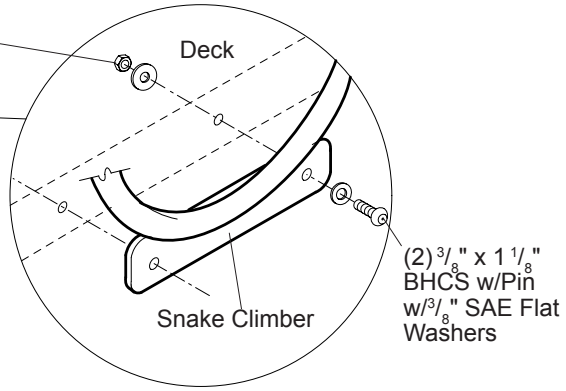


DETAIL HANDHOLD PANEL ATTACHMENT

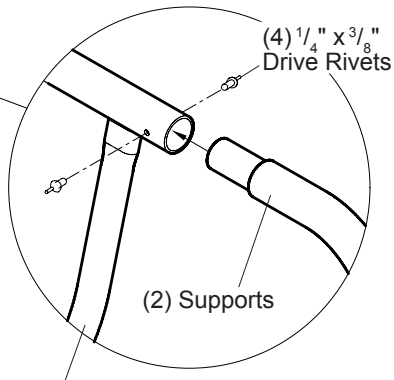




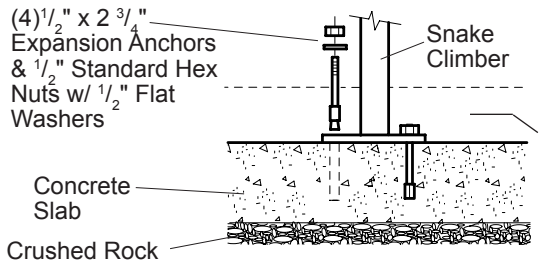
DETAIL DECK ATTACHMENT



DETAIL SUPPORT ATTACHMENT



DETAIL SURFACE MOUNT



(2) Supports

Protective Surfacing

NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

PlayBooster® 122913 Snake Climbers, 48"-72"

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PlayBooster® 122913 Snake Climbers, 48"-72"

Parts List

Part#	Description	Qty.
139561	Handhold Panel, Specify Color	2
142047	Snake Climber, 48" & 56", Specify Color	1
142048	Snake Climber, 64" & 72", Specify Color	1
142101	Support, 48" Deck (SM), Specify Color	2
142103	Support, 56" Deck (SM), Specify Color	2
142084	Support, 48" & 64" Deck (DB), Specify Color	2
142083	Support, 56" & 72" Deck (DB), Specify Color	2
142105	Support, 64" Deck (SM), Specify Color	2
142107	Support, 72" Deck (SM), Specify Color	2
105327	5" Half Clamp, Specify Clamp	2
113729	Offset Hanger Clamp, Specify Color	2
113468	Spacer Tube, Specify Color	2
190446	**Snake Climber Hardware Pkg.**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	6
100327	3/8" Standard Hex Nut, SST	2
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	6
100362	3/8" Flat Washer, SST	2
100611	1/4" x 3/8" Drive Rivet, AL/SST	4
121348	**4 Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchor	4
100322	1/2" Standard Hex Nut, SST	4
100363	1/2" Flat Washer, SST	4

DB=Direct Bury
SM=Surface Mount

Specifications

Climber: Weldment comprised of 1.660" O.D. RS-40 (.111" - .121") galvanized steel tubing, and 1.315" O.D. RS-20 (.080" - .090") galvanized steel tubing. Finish: ProShield®, color specified.

Supports: Formed from 1.660" O.D. RS-40 (.111" - .121") galvanized steel tubing. Finish: ProShield, color specified.

Handhold Panel: Solid color Permalene®, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **SM** - Approx. 1 1/2 man hours
DB - Approx. 2 1/2 man hours
Concrete Req.: Approx. 2.6 cu. ft.
Weight: Off 48" & 56" Deck (SM) - 99 lbs.
Off 48" & 56" Deck (DB) - 107 lbs.
Off 64" & 72" Deck (SM) - 106 lbs.
Off 64" & 72" Deck (DB) - 114 lbs.
Fall Height: Deck Height

Installation Instructions

1) **(Direct Bury)** Dig footing holes spaced as shown. Refer to the Elevation Key.

2) Insert supports into snake climber. Attach snake climber to deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" flat washers. Refer to the Deck Attachment Detail.

3) With supports plumb, drill through holes in snake climber into supports with a 1/4" or "F" (only) drill bit. Insert 1/4" x 3/8" drive rivets in holes and hammer drive rivet pin in until flush with head. Refer to the Support Attachment Detail.

4) Attach handhold panels to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin.

5) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

6) Attach handhold panels to the offset hanger clamp assemblies using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. Refer to the Handhold Panel Attachment Detail.

7) **(Direct Bury)** With snake climber in final position, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Mark anchor bolt locations on concrete slab through holes in anchor plate and remove climber. Drill 1/2" x 3" deep holes on marks into concrete using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Reposition climber and reattach to the face of the deck following step 3. Fasten anchor plates to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO #54766 Document #19043700 replaces #14346000. Replaced hardware package.

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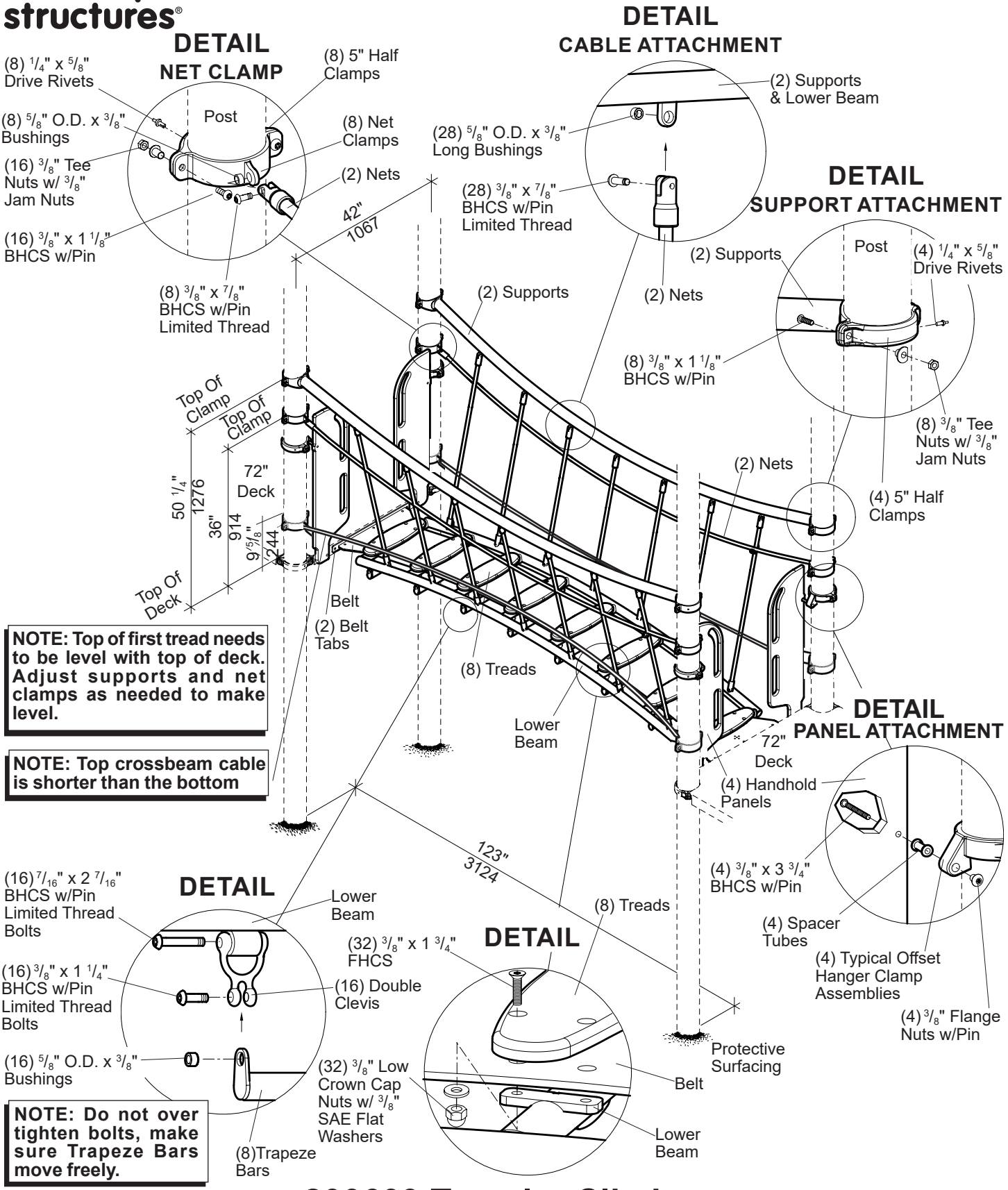
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SAFETY NOTE

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PlayBooster® 200609 Traveler Climber

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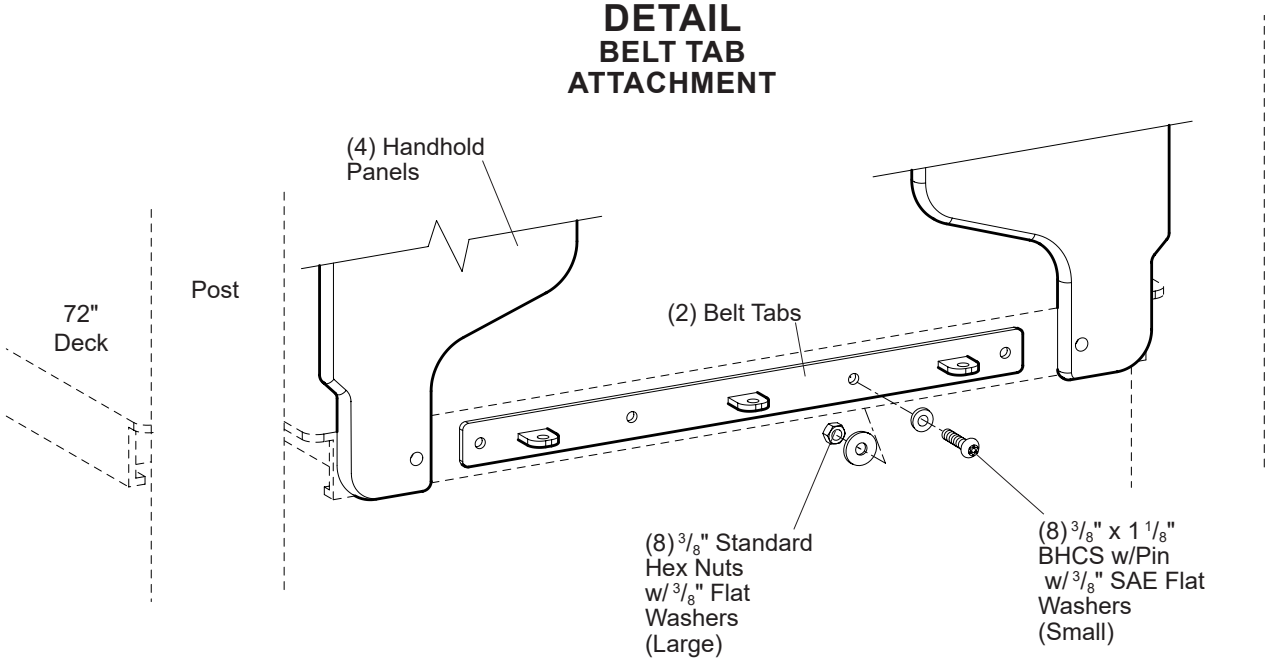
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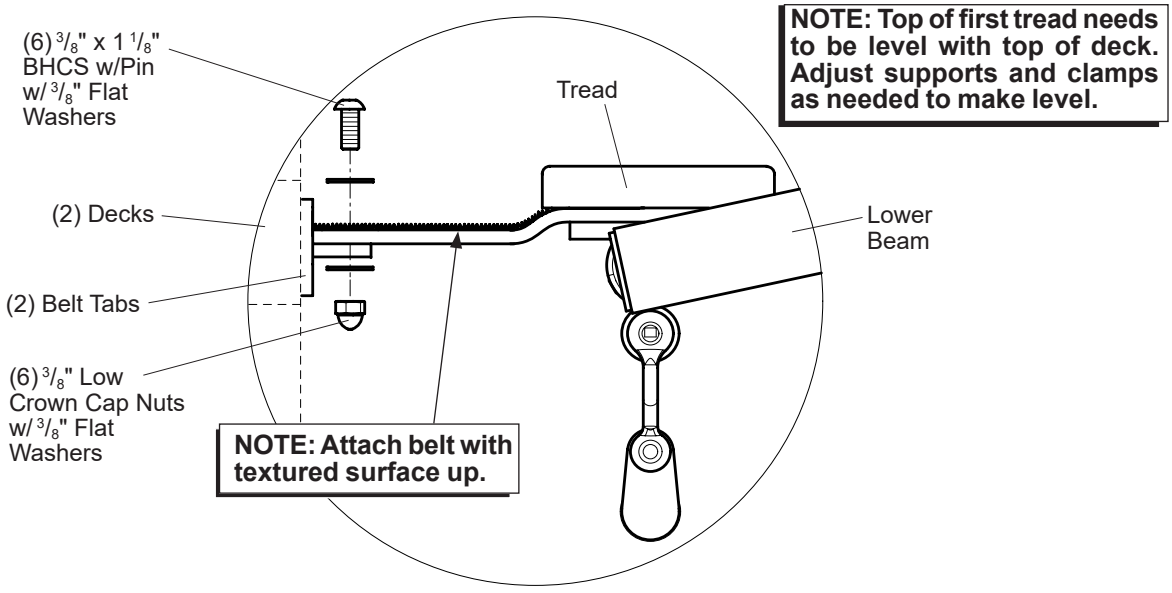
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
BELT TAB ATTACHMENT



DETAIL
BELT ATTACHMENT



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200609 Traveler Climber

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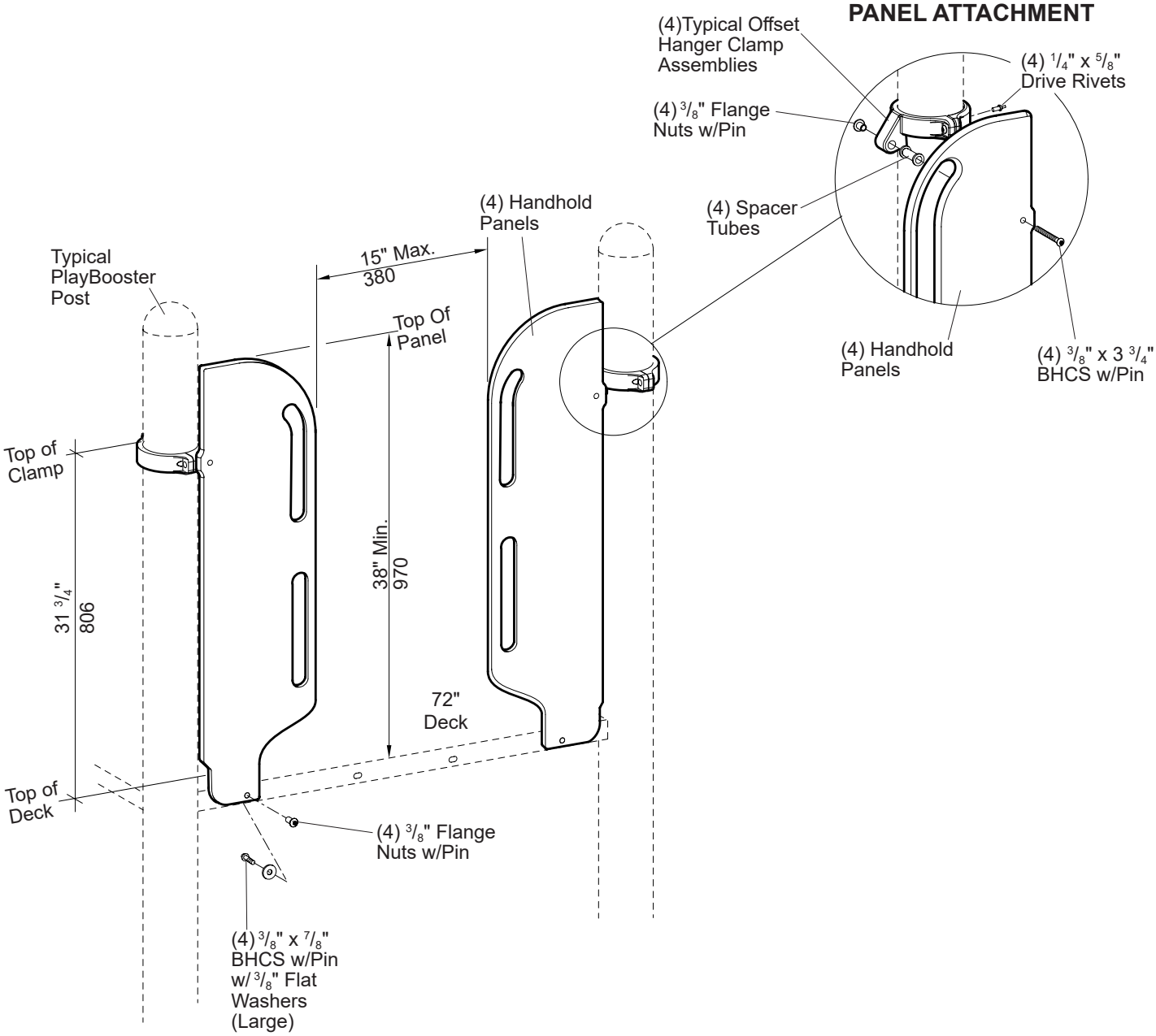
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SAFETY NOTE

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DETAIL
PANEL ATTACHMENT



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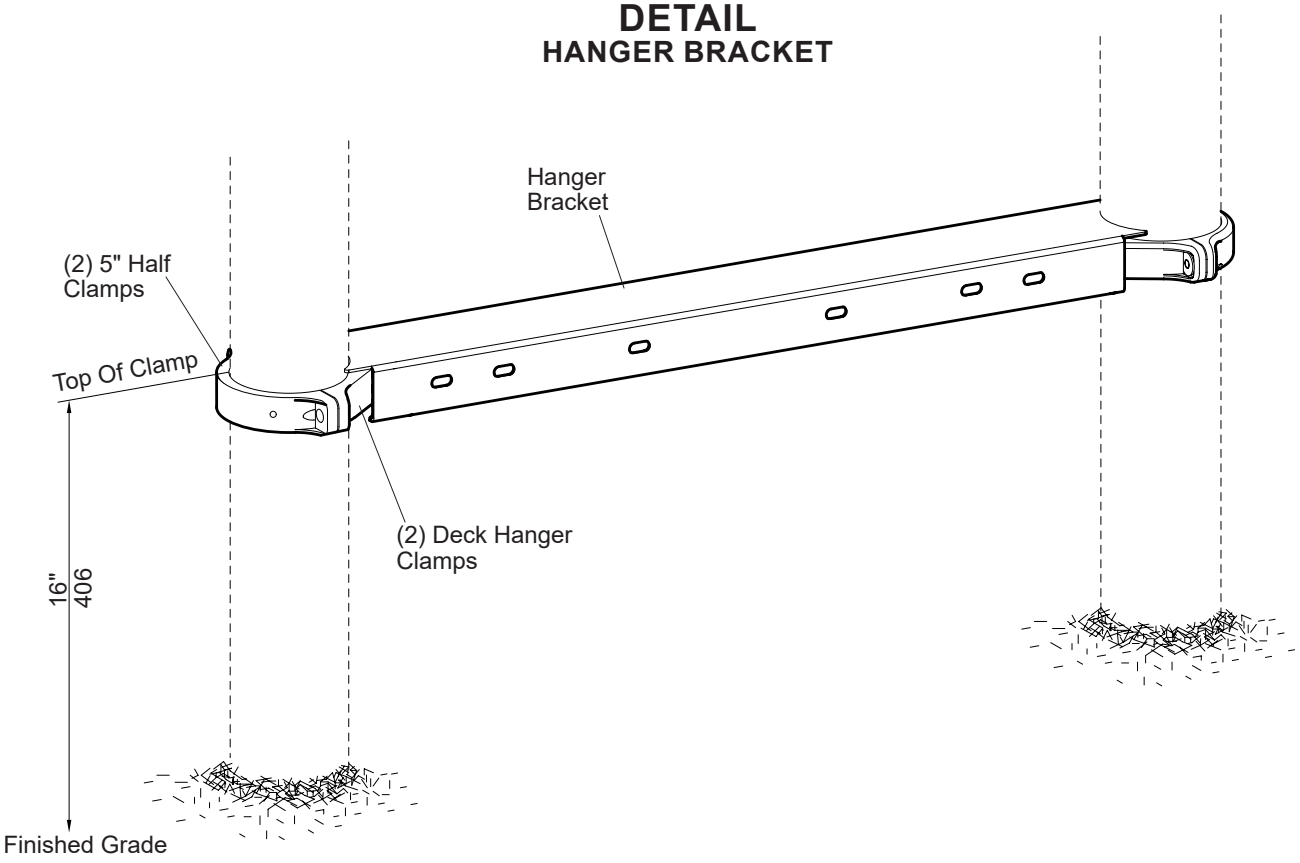
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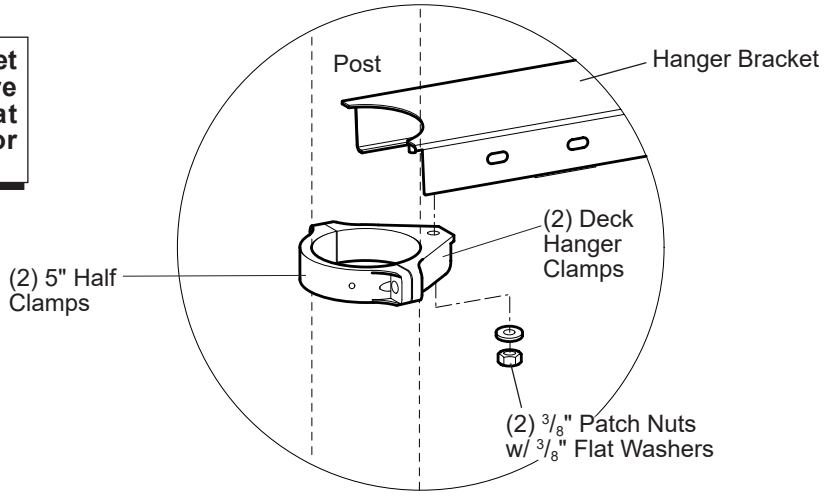
200620b

DETAIL
HANGER BRACKET



DETAIL
HANGER BRACKET ATTACHMENT

NOTE: A hanger bracket is required when there is not a lower deck at the end of the Travelor Climber.



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PlayBooster® 200609 Traveler Climber

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL./SST	16
105327	5" Half Clamp, Specify Color	*
113729	5" Offset Hanger Clamp, Specify Color	4
106022	Deck Hanger Clamp, Specify Color	*
113468	7/8" O.D. x 1 11/16" Tube, AL., Specify Color	4
144476	Handhold Panel, Specify Color	4
161898	Net Clamp, Specify Color	8
190911	Upper Support, Specify Color	2
237898	Net (Cable Assy.), Black, Specify Color	2
218936	Lower Beam, Specify Color	1
195007	Trapeze Bar, Specify Color	8
234001	Traveler Belt, Black	1
201971	Belt Tab, Specify Color	2
202034	GripX Tread, Black	8
184259	Hanger/Transition Bracket, Specify Color	*
242305	**Traveler Climber Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8"" BHCS w/Pin, SST	46
100256	3/8" x 1 3/4" FHCS, SST	32
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	36
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST	16
100349	3/8" Low Crown Cap Nut, SST	38
100351	3/8" Tee Nut, SST	32
100353	3/8" Flange Nut w/Pin, SST	8
100327	3/8" Standard Hex Nut, SST	8
100362	3/8" Flat Washer, SST	24
100365	3/8" SAE Flat Washer, SST	64
124460	3/8" x 3 3/4" BHCS w/Pin, SST	4
127068	7/16" x 2.438" BHCS w/Pin Limited Thread, SST	16
127179	5/8" O.D. x 3/8" Long Bushing, SST	52
138917	Double Clevis, SST	16
128296	3/8" Jam Nuts, SST	24
106676	**Hanger Bracket Hardware Package**	*
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100321	3/8" Hex Patch Nut, SST	2
100351	3/8" Tee Nut, SST	4
100362	3/8" Flat Washer, SST	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2

*** = Quantity Determined By Your Order**

Specifications

Lower Beam: Weldment comprised of 1.900 (48,26 mm) O.D. RS20 (.090"-.100") (2,29 mm-2,54 mm) galvanized steel tubing, 1.315 (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm-2,29 mm) galvanized steel tubing, 7 GA. (.179") (4,55 mm) HRPO steel sheet, 1/8" (3,18 mm) HRPO steel sheet and 3/8" (9,53 mm) thick HRPO steel sheet. SAE 841 dry bronze bushings are pressed into housings at factory. Finish: ProShield®, color specified.

Trapeze Bar: Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm-2,29 mm) galvanized steel tubing and 7 GA. (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield, color specified.

Cable Assembly: **(Cable)** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6063-T6 aluminum.

Hanger Bracket: Formed from 11 GA (.120") (3,05 mm) HRPO low carbon sheet steel. Finish: TenderTuff, color specified.

GripX Tread: 3/4" (19,05 mm) Thick Permalene®, black in color.

Handhold Panel: Permalene®, color specified.

Support: Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130" - .140") (3,30 mm-3,56 mm) wall galvanized steel tubing, 3/8" (9,53 mm) thick HRPO steel sheet, and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield, color specified.

Belt: .315" (8,00 mm) Thick mini rough top rubber belting with polyester fabric plys, black in color.

Belt Tab: Weldment comprised of 3/8" (9,53 mm) thick HRPO steel sheet, and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield, color specified.

Net Clamps: Weldment comprised of 1/4" (6,35 mm) x 1 3/4" (44,45 mm) HRPO flat steel and .375" (9,53 mm) stainless steel sheet. Finish: ProShield, color specified.

Clamp: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 4 1/2 man hours
Area Req: 6' (1,83 m) minimum use zone
Weight: 309 lbs. No Hanger Brackets
330 lbs. w/1 Hanger Brackets
352 lbs. w/2 Hanger Brackets
Max. Fall Height: 79" (2,01 m)

Specifications are subject to change without notice.

4/13/23 Change no revision. With pin note was removed from FHCS.
ECO-0101291 Document 24228600 replaces 23401300. Changes to net traveler climber.

PlayBooster® 200609 Traveler Climber

Installation Instructions

1) Attach belt tabs and handhold panels to decks. Refer to the Belt Tab Attachment Detail.

2) Attach offset hanger clamps to handhold panels. Refer to the Panel Attachment Detail.

3) Attach offset hanger clamps to posts, using 5" half clamps and $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/pin with $^{3}/_{8}$" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.

4) Lay beam on ground with bushings facing up. Position double clevis's over bushings and fasten with $^{7}/_{16}$" x 2 $^{7}/_{16}$" BHCS w/pin limited thread bolts. See Detail. **NOTE:** *Do not over tighten bolts.*

5) Attach trapeze bars to double clevis's as shown, using bushings and $^{3}/_{8}$" x 1 $^{1}/_{4}$" BHCS w/pin limited thread bolt. **NOTE:** *Do not over tighten bolts, make sure trapeze bars move freely.*

6) Turn lower beam over. Attach treads and belt to lower beam. Refer to Detail.

7) Attach supports and net clamps to posts at height shown. Refer to the Support and Net Clamp Attachment Details.

8) Attach nets to clamps and supports. Refer to the Cable and Net Clamp Attachment Details.

9) Attach lower beam to nets. Refer to Details. **NOTE:** *Top of first tread needs to be level with top of deck. Adjust supports as needed to make level.*

10) Attach belt to belt tabs and lower beam. Refer to the Belt Tab & Belt Attachment Details.

11) (If applicable - Hanger Bracket) Mark posts at 16" above finished grade. Attach deck hanger clamps to hanger bracket. Position hanger bracket with deck hanger clamps between posts level with marks. Attach to posts. Refer to the Hanger Bracket Attachment Detail. **NOTE:** *A hanger bracket is required when there is not a lower deck at the end of the Travelor Climber.*

12) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Drill through hole in 5" half clamps and into 5" post with a $^{1}/_{4}$" or "F" (only) drill bit, insert drive rivet in hole through clamp and into post. Hammer drive rivet pin in until flush with head. Refer to the Typical Offset Hanger Clamp Spec Sheet.

13) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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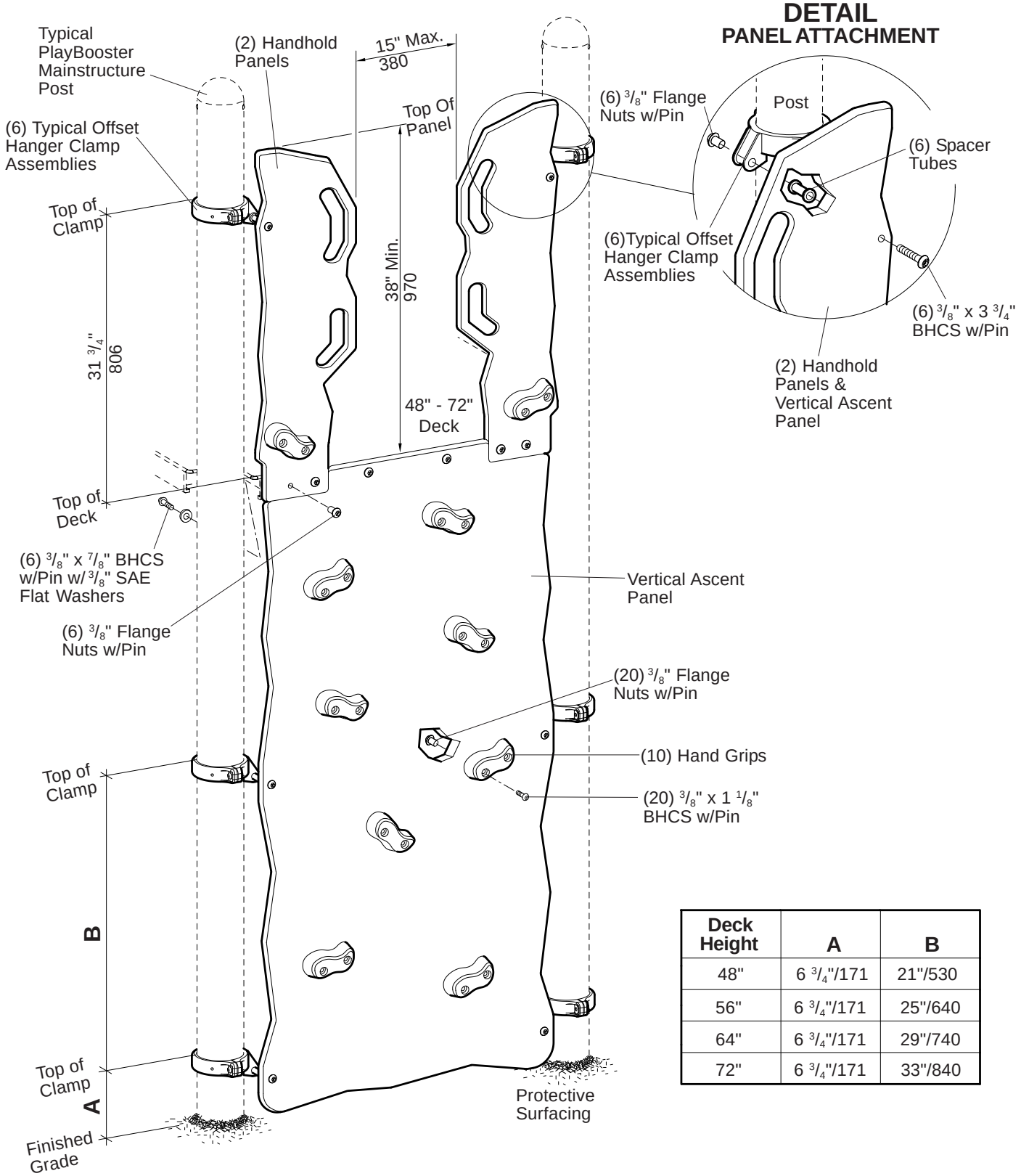
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

15489700



Deck Height	A	B
48"	6 3/4"/171	21"/530
56"	6 3/4"/171	25"/640
64"	6 3/4"/171	29"/740
72"	6 3/4"/171	33"/840

PlayBooster® 145624 Vertical Ascent®, 48"-72"

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #18298100

PlayBooster® 145624 Vertical Ascent®, 48"-72"

Parts List

Part#	Description	Qty.
182957	Vertical Ascent Handhold Panel, Specify Color	2
145597	Vertical Ascent Panel, 48" Deck, Specify Color	1
145596	Vertical Ascent Panel, 56" Deck, Specify Color	1
145595	Vertical Ascent Panel, 64" Deck, Specify Color	1
145585	Vertical Ascent Panel, 72" Deck, Specify Color	1
105327	5" Half Clamp, Specify Color	6
113729	Offset Hanger Clamp, Specify Color	6
113468	Spacer Tube, Specify Color	6
100610	1/4" x 5/8" Drive Rivet, AL/SST	6
145792	**Hand Grip Set**	1
143110	Hand Grip, Blue	2
143110	Hand Grip, Yellow	2
143110	Hand Grip, Red	3
143110	Hand Grip, Green	3
145616	**Vertical Ascent Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	6
100198	3/8" x 1 1/8" BHCS w/Pin, SST	32
100351	3/8" Tee Nut, SST	12
100353	3/8" Flange Nut w/Pin, SST	32
100365	3/8" SAE Flat Washer, SST	6
124460	3/8" x 3 3/4" BHCS w/Pin, SST	6

Specifications

Hand Grip: Made from Polyester Resin. Hand Grips measure approx. 5 3/4" long x 2 1/4" wide x 1 3/4" high.

Panels: Solid color Permalene®, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. Finish: ProShield®, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 man hours

Weight:
48" Deck Height - 83 lbs.
56" Deck Height - 91 lbs.
64" Deck Height - 99 lbs.
72" Deck Height - 106 lbs.

Fall Height:
53 1/2"/1358 (48" Deck Height)
61 1/2"/1562 (56" Deck Height)
69 1/2"/1765 (64" Deck Height)
77 1/2"/1968 (72" Deck Height)

Installation Instructions

1) Attach handhold panels and vertical ascent panel to deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin, as shown.

2) Attach handhold panels and vertical ascent panel to offset hanger clamps using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. Refer to the Panel Attachment Detail.

3) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

4) Attach hand grips to handhold panels and vertical ascent panel using 3/8" x 1 1/8" BHCS w/pin and 3/8" flange nuts w/pin, as shown.

5) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #54466 Document 18298100 replaces 15489700. Replaced handhold panels.

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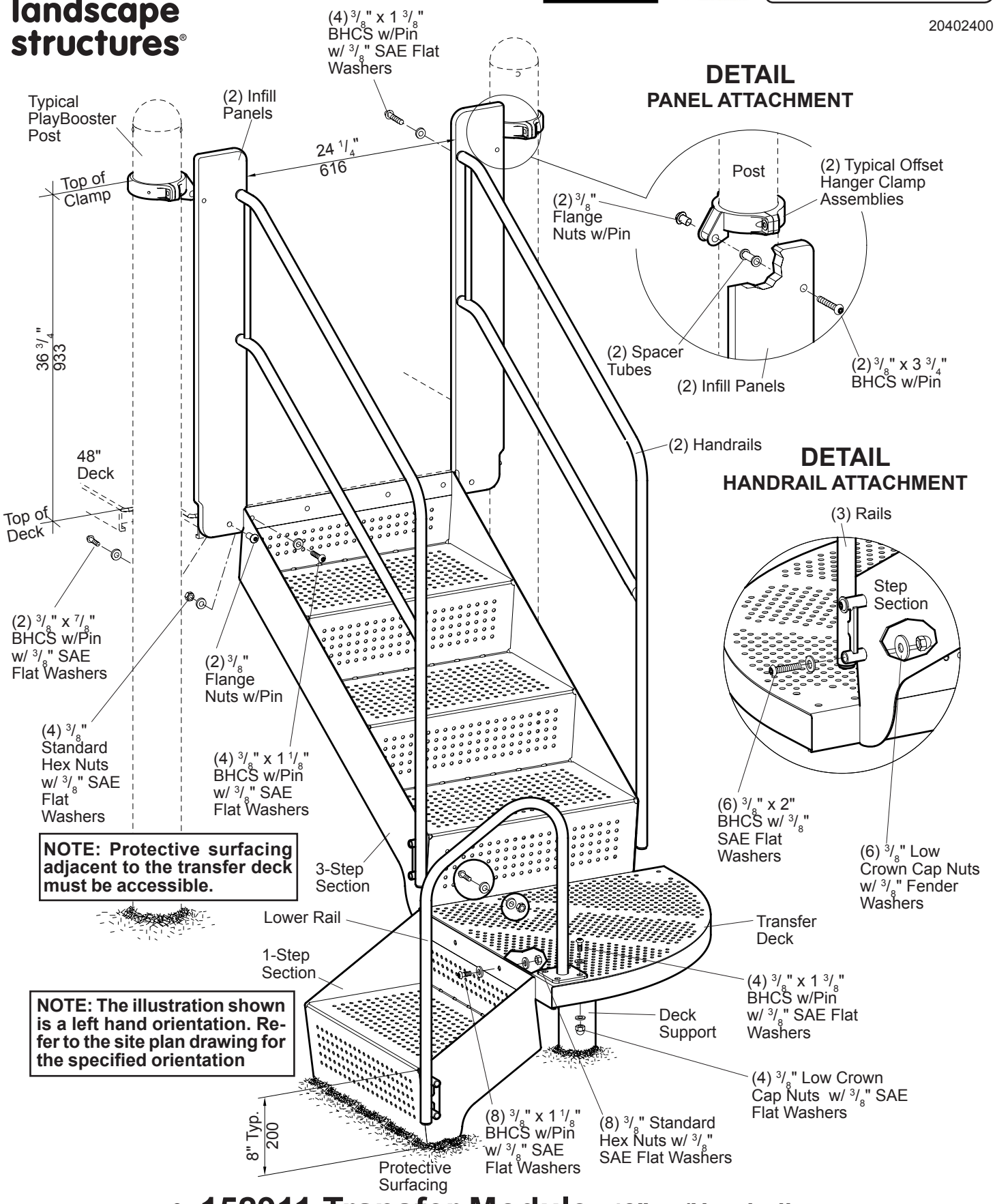
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

20402400



PlayBooster® 152911 Transfer Module, 48", w/Handrails

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Document #24445200

PlayBooster® 152911 Transfer Module, 48", w/Handrails

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Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
113468	7/8" O.D. x 1 11/16" Spacer Tube, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
181371	Deck Support (DB), Specify Color	1
181373	Deck Support (SM), Specify Color	1
181374	Step Support (DB), Specify Color	1
181376	Step Support (SM), Specify Color	1
144696	1-Step Section, Specify Color	1
144700	3-Step Section, Specify Color	1
152640	3-Step Handrail, Specify Color	2
152641	Lower Rail, Specify Color	1
153398	Transfer Deck, Specify Color	1
153399	Infill Panel, Specify Color	2
204034	**Transfer Module Hardware Package**	1
100173	3/8" x 2" BHCS, SST	6
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	20
100327	3/8" Standard Hex Nut, SST	16
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	54
113027	3/8" x 1 3/4" BHCS w/Pin, SST	8
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100378	3/8" Fender Washer, SST	6
100349	3/8" Low Crown Cap Nut, SST	12
111393	**4-Hole (SM) Hardware Package**	1
100263	3/4" x 2 3/4" Expansion Anchors	4
100327	3/8" Standard Hex Nut, SST	4
100365	3/8" SAE Flat Washers, SST	4
121256	**2-Hole (SM) Hardware Package**	1
100263	3/4" x 2 3/4" Expansion Anchors	2
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washers, SST	2

DB = Direct Bury
SM = Surface Mount

Specifications

Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes and measures 29" per (2) sides. Finish: TenderTuff™, color specified.

Railings: Weldment comprised of formed 1 1/8" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts with 3/8" internal threads. Finish: TenderTuff, color specified.

Step Sections: Formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is 24 3/8" wide x 14" deep and is perforated with 5/16" diameter holes. Finish: TenderTuff, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield®, color specified.

Panel: Solid color Permalene® panel, color specified.

Deck Support: Weldment comprised of 3 1/2" O.D. RS20 (.125") galvanized steel tubing and 3/8" O.D. x 5" long rod. Finish: ProShield, color specified.

Step Support: Weldment comprised of 1.660 O.D. RS20 (.080"-.095) and 1 3/4" x 1 3/4" x 1/8" HR angle. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **SM** - Approx. 3 man hours
DB - Approx. 4 man hours
Concrete Req.: Approx. 3.4 cu. ft.
Weight: **SM** - 264 lbs.
DB - 279 lbs.
Fall Height: Deck Height

Installation Instructions

1) **(Direct Bury)** Dig footings as shown. Refer to your Plan View/Footing Layout.

2) Attach the deck support to the transfer deck using 3/8" x 7/8" BHCS w/pin and 3/8" low crown cap nuts with 3/8" SAE flat washers. **NOTE:** *Make sure 3/8" rod on support is under support strap on deck as shown.* Refer to the Deck Support Attachment Detail.

3) Attach the 3-step section to the transfer deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers.

4) Attach the 3-step section to the face of the mainstructure deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers.

5) Attach the step support to the 1 step section using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Step Support Attachment Detail.

6) Attach the 1-step section to the transfer deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers.

7) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

8) Attach infill panels to the face of the mainstructure deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin.

9) Attach infill panels to offset hanger clamp assemblies using 3/8" x 3 3/4" BHCS, spacer tubes and 3/8" flange nuts w/pin. See Panel Attachment Detail.

10) Attach the handrails to the 3-step section using 3/8" x 2" BHCS with 3/8" SAE flat washers and 3/8" low crown cap nuts with 3/8" fender washers. Refer to the Handrail Attachment Detail.

11) Attach the handrails to the infill panels using 3/8" x 1 3/8" BHCS w/pin and 3/8" SAE flat washers.

12) Attach the lower rail to the transfer deck using 3/8" x 1 3/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" low crown cap nuts with 3/8" SAE flat washers.

13) Attach the lower rail to the 1-step section using 3/8" x 2" BHCS with 3/8" SAE flat washers and 3/8" low crown cap nuts with 3/8" fender washers. Refer to the Handrail Attachment Detail.

14) **(Direct Bury)** With transfer deck and steps level and supports plumb, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.

(Surface Mount) Mark holes for expansion anchors on concrete slab through support plates. Detach the module from the mainstructure and slide module aside, drill 3/8" x 3" deep holes on marks using hammer drill and 3/8" masonry bit. Reposition module over drilled holes and tap expansion anchors into drilled holes. Fasten support plates to expansion anchors using 3/8" standard hex nuts with 3/8" SAE flat washers. Reattach module to structure.

15) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

16) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco 0101327 Document 24445200 replaces 20402400. Orientation note added.

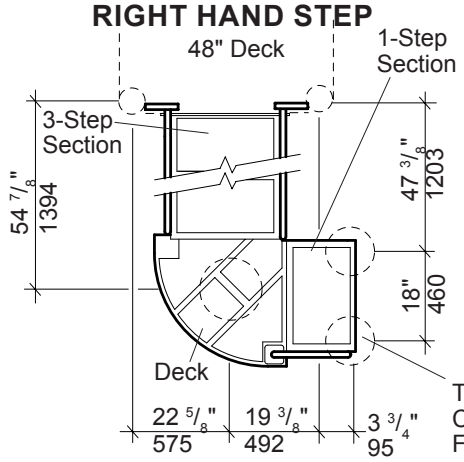
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NOTE: Refer to the site plan drawing for proper orientation.

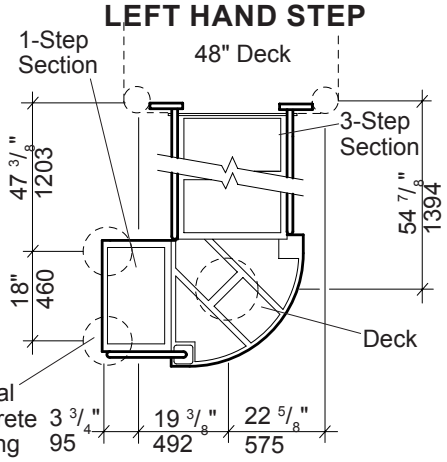
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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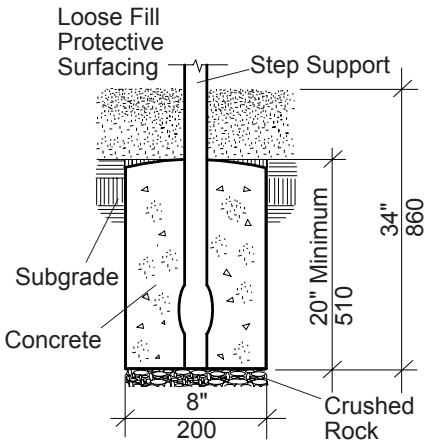
PLAN VIEW FOOTING LAYOUT
RIGHT HAND STEP



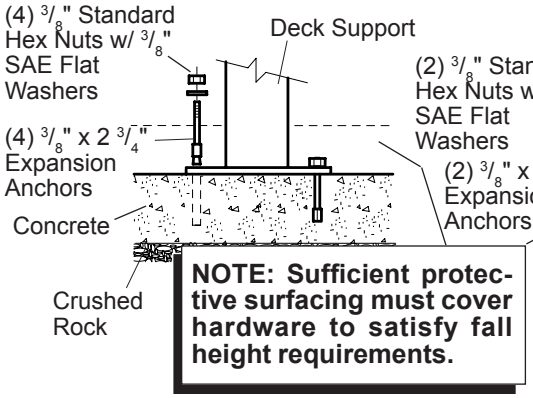
PLAN VIEW FOOTING LAYOUT
LEFT HAND STEP



DETAIL
STEP SUPPORT BURY

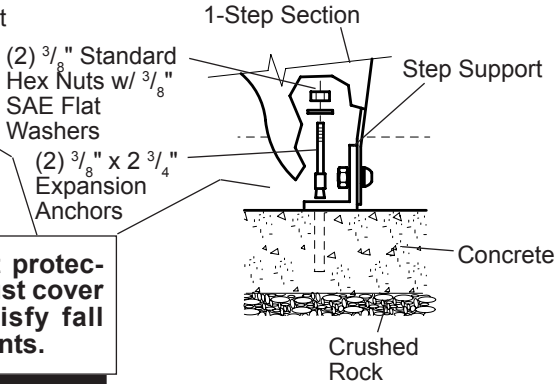


DETAIL
SURFACE MOUNT DECK SUPPORT

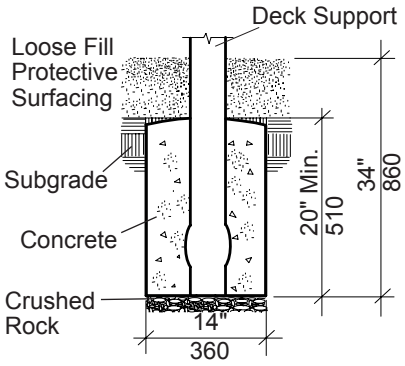


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

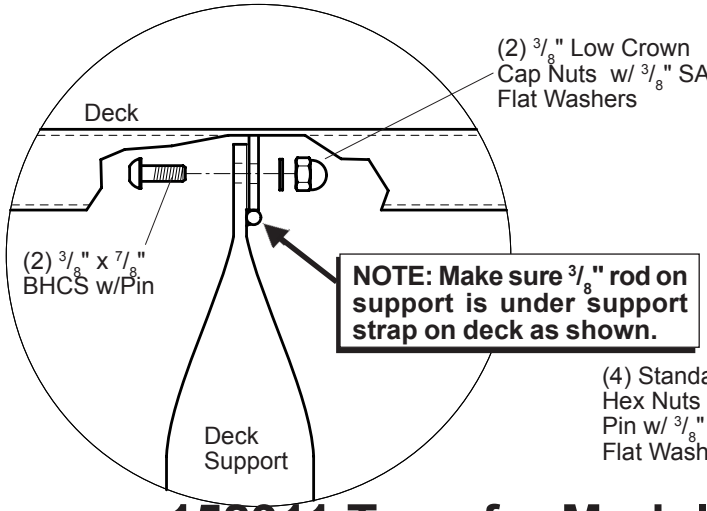
DETAIL
SURFACE MOUNT STEP SUPPORT



DETAIL
DECK SUPPORT BURY

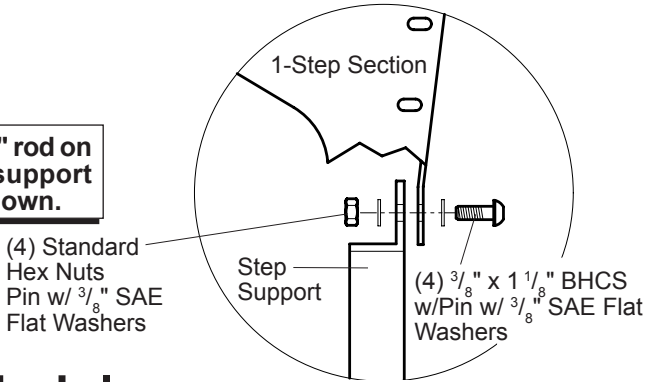


DETAIL
DECK SUPPORT ATTACHMENT



NOTE: Make sure 3/8" rod on support is under support strap on deck as shown.

DETAIL
STEP SUPPORT ATTACHMENT



PlayBooster® 152911 Transfer Module, 48", w/Handrails

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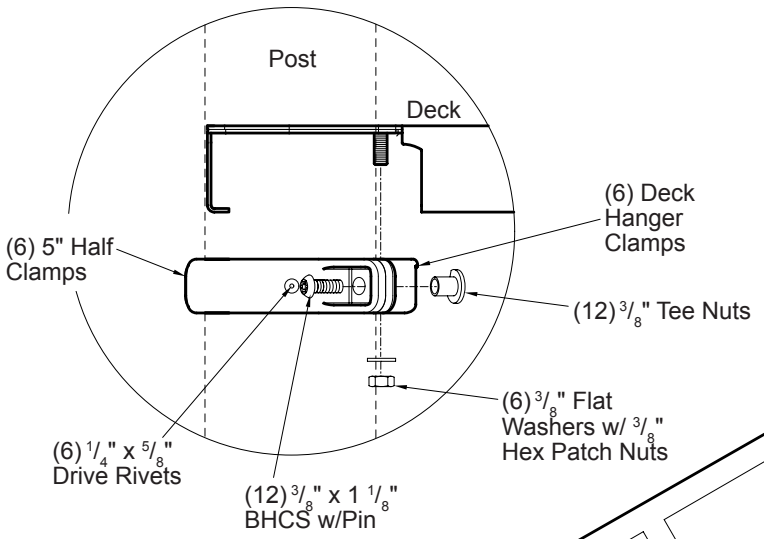
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

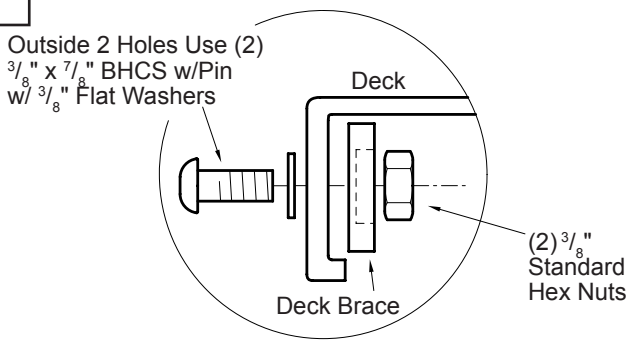
14582700

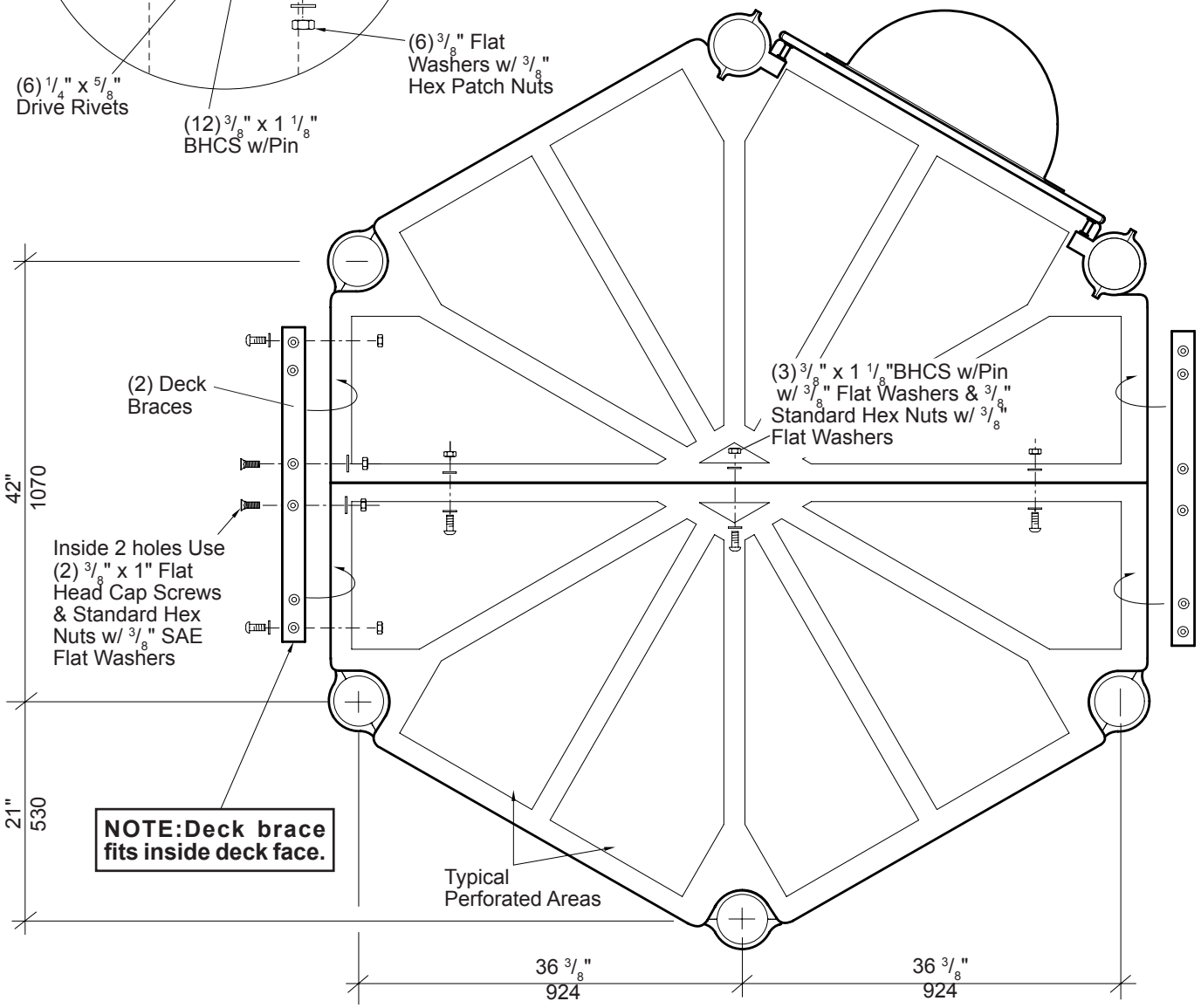
NOTE: When using this deck, ALL enclosures and components are mounted on the OUTSIDE of the posts like the bubble panel shown below.

DETAIL
DECK HANGER CLAMP



DETAIL
DECK BRACE





PlayBooster® 178710 Hexagon Tenderdeck

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Document #20738800

PlayBooster® 178710 Hexagon Tenderdeck

Parts List

Part#	Description	Qty.
207385	Deck Brace, Silver	2
105327	5" Half Clamp, Specify Color	6
106022	Deck Hanger Clamp, Specify Color	6
145659	Hex Deck, Specify Color	2
137121	**Hex Deck Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	15
100327	3/8" Standard Hex Nut, SST	11
100351	3/8" Tee Nut, SST	12
100362	3/8" Flat Washer, SST	16
100365	3/8" SAE Flat Washer, SST	4
100610	1/4" x 5/8" Drive Rivet, AL/SST	6
100321	3/8" Hex Patch Nut, SST	6
137091	3/8" x 1" Flat Head Cap Screw, SST	4

Specifications

Hex Deck: Flange formed from 12 GA (.105") (2,67 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" (7,94 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 36" (66,68 mm x 914 mm) per each of the six sides for an overall dimension of 78" (1981 mm) face to face or 87" (2210 mm) point to point. Finish: TenderTuff™, color specified.

Deck Brace: Fabricated from 3/8" x 1 3/4" x 28 1/2" long zinc plated steel strap. Finish: ProShield®, silver in color.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 1/2 man hours

Weight: 284 lbs.

Installation Instructions

1) Mark posts for the appropriate height of the deck you are installing.
2) With deck on ground, position deck braces inside & under deck as shown and fasten outside two holes of deck braces to hex deck half using 3/8" x 7/8" BHCS w/pin with 3/8" flat washers and 3/8" standard hex nuts. Fasten inside two holes of deck braces to hex deck half using 3/8" x 1" flat head cap screws and 3/8" standard hex nuts with 3/8" SAE flat washers. Fasten tenderdeck members together using 3/8" x 1 1/8" BHCS w/pin with 3/8" flat washers and 3/8" standard hex nuts with 3/8" flat washers.
3) Fasten hanger clamps to marked position on posts. See Detail on the front of this sheet.
4) Lower deck assembly into position, lining up stud underneath deck with deck hanger clamp as shown. Attach using 3/8" hex patch nuts with 3/8" flat washers.
5) Level deck and plumb posts. Install the 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec sheet.
6) After all enclosures/ components are installed, pour concrete footings per the Typical Concrete Footing Detail sheet. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.
7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0100264 Document #20738800 replaces #7936000. Changed brace part number.

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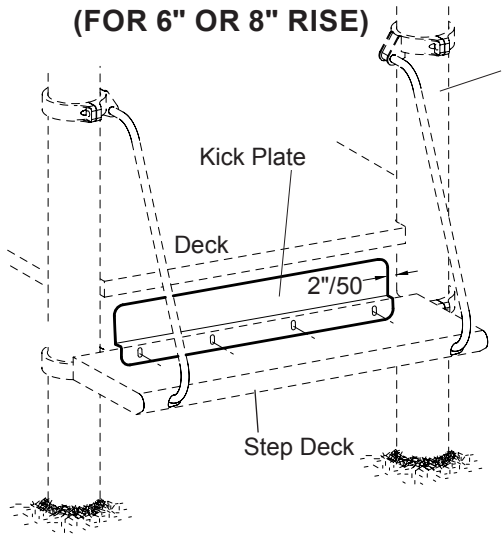
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SAFETY NOTE

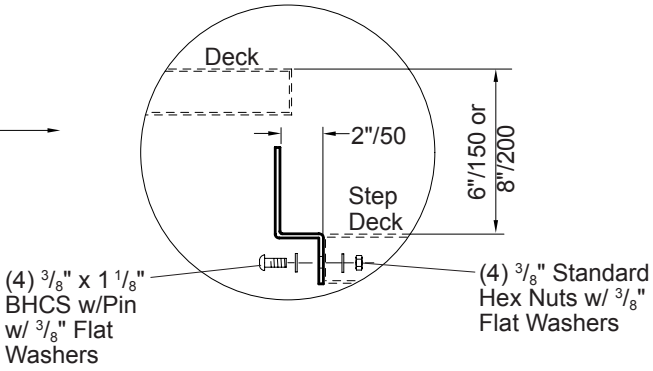
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

16574300

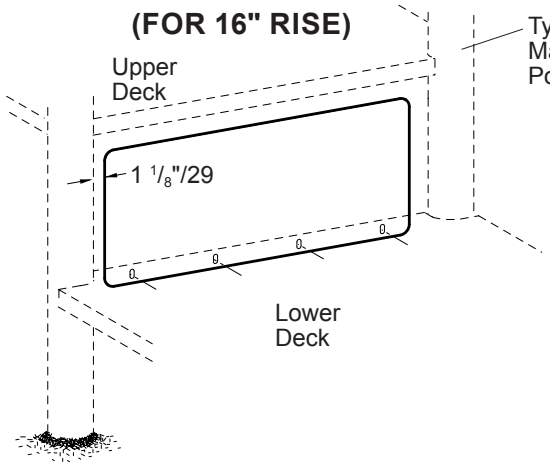
KICK PLATE
(FOR 6" OR 8" RISE)



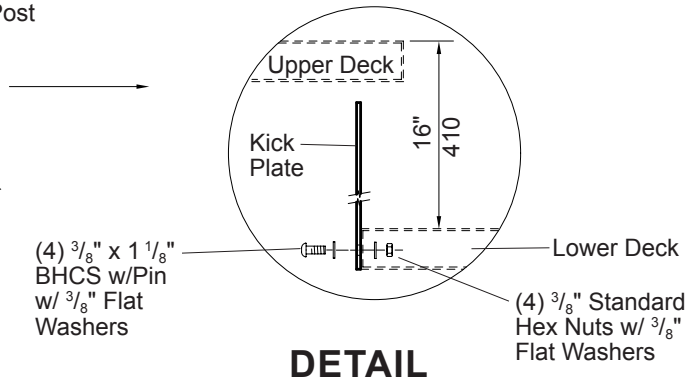
DETAIL
KICK PLATE ATTACHMENT (FOR 6" OR 8" RISE)



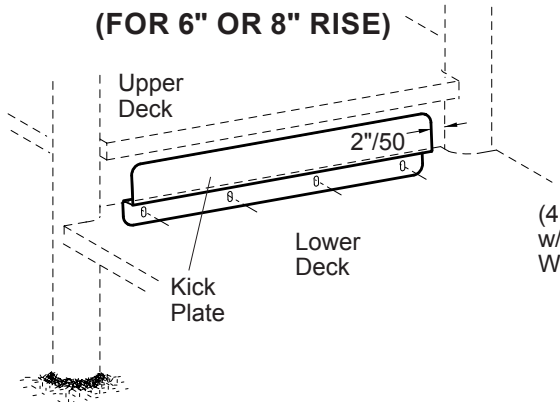
KICK PLATE
(FOR 16" RISE)



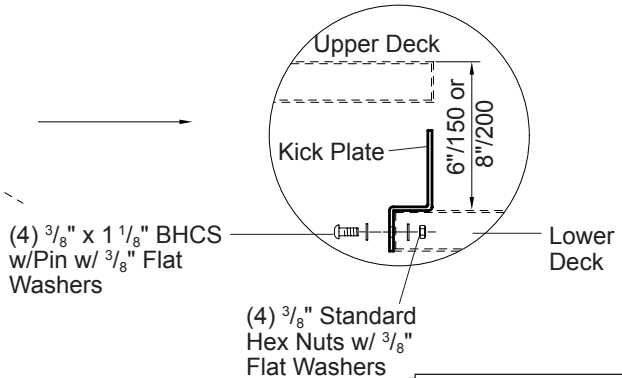
DETAIL
KICK PLATE ATTACHMENT (FOR 16" RISE)



KICK PLATE
(FOR 6" OR 8" RISE)



DETAIL
KICK PLATE ATTACHMENT (FOR 6" OR 8" RISE)



NOTE: Kick Plates mount to face of lower deck.

PlayBooster® 121948 Kick Plates, Tenderdecks, 6", 8" & 16"

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 121948 Kick Plates, Tenderdecks, 6", 8" & 16"

Parts List

Part#	Description	Qty.
121819	Kick Plate (For 6" or 8" Rise), Specify Color	1
121818	Kick Plate (For 16" Rise), Specify Color	1
156058	**Kick Plate Tenderdeck Hardware Package**	1
100198	$^3/_8$" x 1 $^1/_8$" BHCS w/Pin, SST	4
100327	$^3/_8$" Standard Hex Nut, SST	4
100362	$^3/_8$" Flat Washer, SST	8

Specifications

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff™, brown or gray in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. $^1/_4$ man hour

Weight: Kick Plate (For 6" or 8" Rise) 13 lbs.
Kick Plate (For 16" Rise) 23 lbs.

Installation Instructions

1) Locate kick plates as labeled on your plan drawing.

2) Attach kick plate using $^3/_8$" x 1 $^1/_8$" BHCS w/pin with $^3/_8$" flat washers and $^3/_8$" standard hex nuts with $^3/_8$" flat washers, as shown. **NOTE:** *Kick plates mount to face of lower deck.*

3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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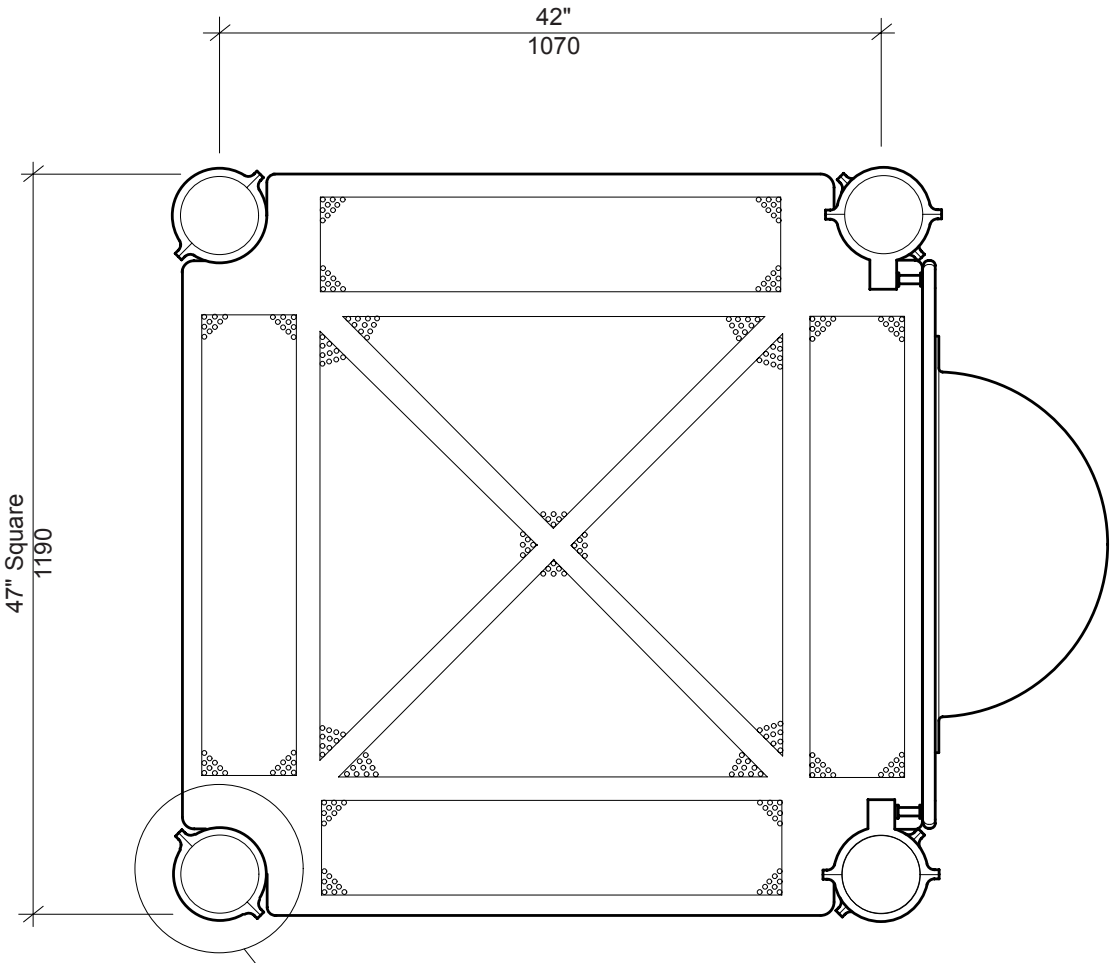
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

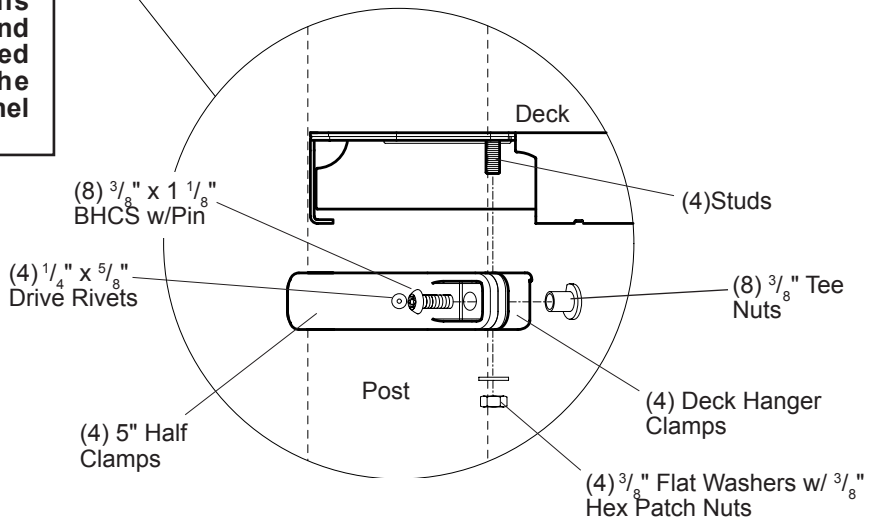
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

14582100



DETAIL
DECK HANGER CLAMP

NOTE: When using this deck, ALL enclosures and components are mounted on the OUTSIDE of the posts like the bubble panel shown above.



PlayBooster®

111228 Square Deck

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 111228 Square Deck

Parts List

Part#	Description	Qty.
145656	Tenderdeck, Specify Color	1
105327	5" Half Clamp, Specify Color	4
106022	5" Deck Hanger Clamp, Specify Color	4
119491	**Hardware Package**	1
100198	$^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin, SST	8
100321	$^{3}/_{8}$" Hex Patch Nut, SST	4
100351	$^{3}/_{8}$" Tee Nut, SST	8
100362	$^{3}/_{8}$" Flat Washer, SST	4
100610	$^{1}/_{4}$" x $^{5}/_{8}$" Drive Rivet, SST	4

Specifications

Square Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with $^{5}/_{16}$" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 $^{5}/_{8}$" x 47" x 47". Finish: TenderTuff™, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour

Weight: 119 lbs.

Installation Instructions

1) Mark posts for the appropriate height of the deck you are installing.
2) Fasten hanger clamps to marked position on posts. See Detail on front of sheet.
3) Lift deck into position, lining up studs underneath deck with deck hanger clamp as shown. Attach with $^{3}/_{8}$" flat washers and $^{3}/_{8}$" hex patch nuts.
4) Level deck and plumb posts. Install the drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) After all enclosures/components are installed, pour concrete footings per the Typical Concrete Footing Detail Sheet.
6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #52264 Document #14582100 replaces #13954600. Replaced Tenderdeck.

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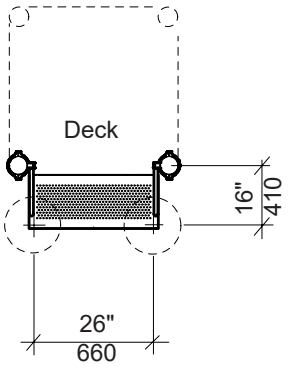
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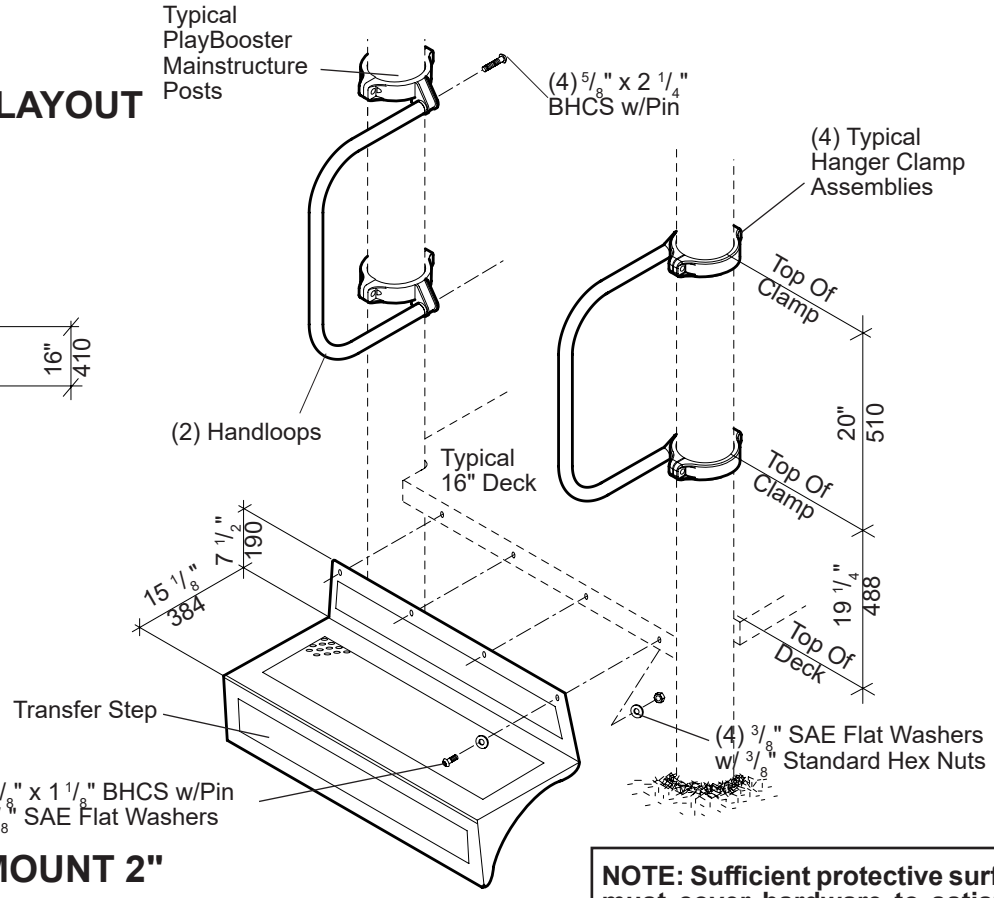
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SAFETY NOTE

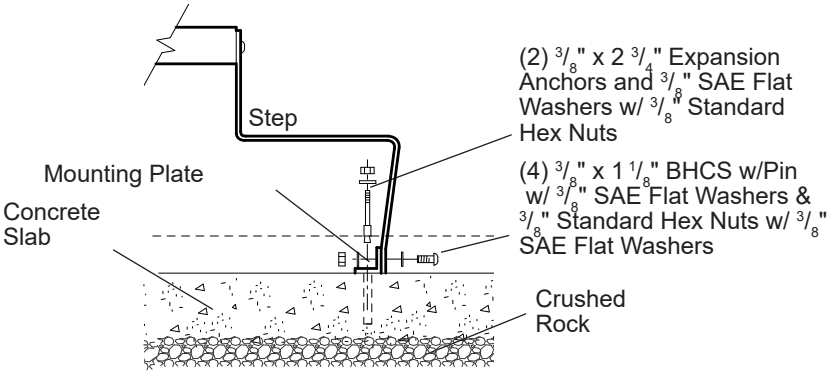
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

PLAN/FOOTING LAYOUT



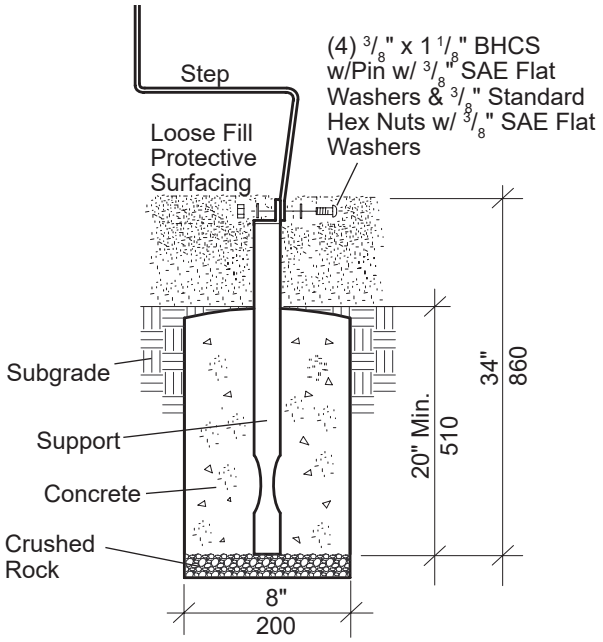


SURFACE MOUNT 2"

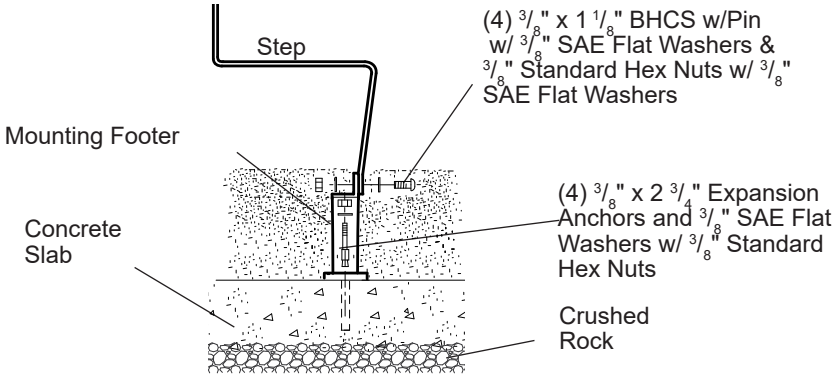


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DIRECT BURY



SURFACE MOUNT 12"



PlayBooster® 185852 Transfer Step, w/Handloops

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #30243500

PlayBooster® 185852 Transfer Step, w/Handloops

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Parts List

Part#	Description	Qty.
149024	Transfer Step, Specify Color	1
181342	Transfer Step, Support (DB), Specify Color	1
181343	Transfer Step,Mounting Plate (SM), Specify Color	1
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
108542	Handloop, Specify Color	2
181344	Transfer Step,Mounting Plate 12" (SM), Specify Color	1
125741	**Transfer Step Leg Hardware Package (DB)**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100327	3/8" Standard Hex Nut, SST	4
100365	3/8" SAE Flat Washer, SST	8
125740	**Transfer Step Leg Hardware Package (SM)**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100263	3/8" x 2 3/4" Expansion Anchor	2
100327	3/8" Standard Hex Nut, SST	6
100365	3/8" SAE Flat Washer, SST	10
127148	**Transfer Step Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	8
100327	3/8" Standard Hex Nut, SST	4
114309	**Handloop/Rail Hardware Package**	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100610	1/4" x 5/8" Drive Rivet, SST	4
302433	**HDW XFR STEP SPRT 12iSM**	**1**
100198	BHCS 6LP 3/8x1-1/8i SST	4
100266	EXP ANCHOR 1/2x2-3/4i ZP	4
100322	NUT HEX STD 1/2-13 SST	4
100327	NUT HEX STD 3/8-16 SST	4
100363	WASHER FLAT 1/2i SST	4
100365	WASHER FLAT SAE 3/8i SST	8

DB = Direct Bury
SM = Surface Mount

Specifications

Step: Formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Finish: TenderTuff™, color specified.

Step Support: Weldment comprised of 1.660 O.D. RS20 (.080"-.095) and 1 3/4" x 1 3/4" x 1/8" HR angle. Finish: ProShield®, color specified.

Handloop: Weldment comprised of 1.125" O.D. 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal thread. Finish: TenderTuff, color specified.

Clamps: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/2 man hours
Concrete Req.: **DB** - 1.16 cu. ft.
Weight: **SM** - 69 lbs.
DB - 77 lbs.

Specifications are subject to change without notice.

Installation Instructions

Direct Bury

1) Dig footings spaced as shown.
2) Mark locations of clamps on posts per dimensions on front of sheet.
3) Attach offset hanger clamps to ends of handloops using 5/8" x 2 1/4" BHCS w/pin.
4) Position handloops with offset hanger clamps on marked positions on posts and attach using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Assembly Sheet.
5) Install drive rivets in half clamps per the Typical Offset Hanger Clamp Assembly Sheet.
6) Attach transfer step support to transfer step using 3/8" x 1 1/8" BHCS w/ pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers.
7) Attach transfer step to deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers as shown.
8) With deck and steps in level position, pour concrete footings. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.
9) Install protective surfacing before users are allowed to play on the structure.

Surface Mount

1) Mark locations of clamps on posts per dimensions on front of sheet.
2) Attach offset hanger clamps to ends of handloops using 5/8" x 2 1/4" BHCS w/pin.
3) Position handloops with offset hanger clamps on marked positions on posts and attach using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Assembly Sheet.
4) Install drive rivets in half clamps per the Typical Offset Hanger Clamp Assembly Sheet.
5) Attach transfer step mounting plate to transfer step using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers.
6) Attach transfer step to deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers as shown.
7) Mark holes for expansion anchors on concrete slab through step mounting plate.
8) Detach step from deck and drill 3/8" x 3" deep holes into concrete on marks using 3/8" masonry bit and hammer drill.
9) Reattach transfer step to deck.
10) With step over drilled holes, tap expansion anchors into drilled holes. Secure using 3/8" standard hex nuts with 3/8" SAE flat washers.
11) Install protective surfacing before users are allowed to play on the structure.

ECO# 0102180 Document 30243500 replaces 18576400. Add 12" SM details and updated HDW

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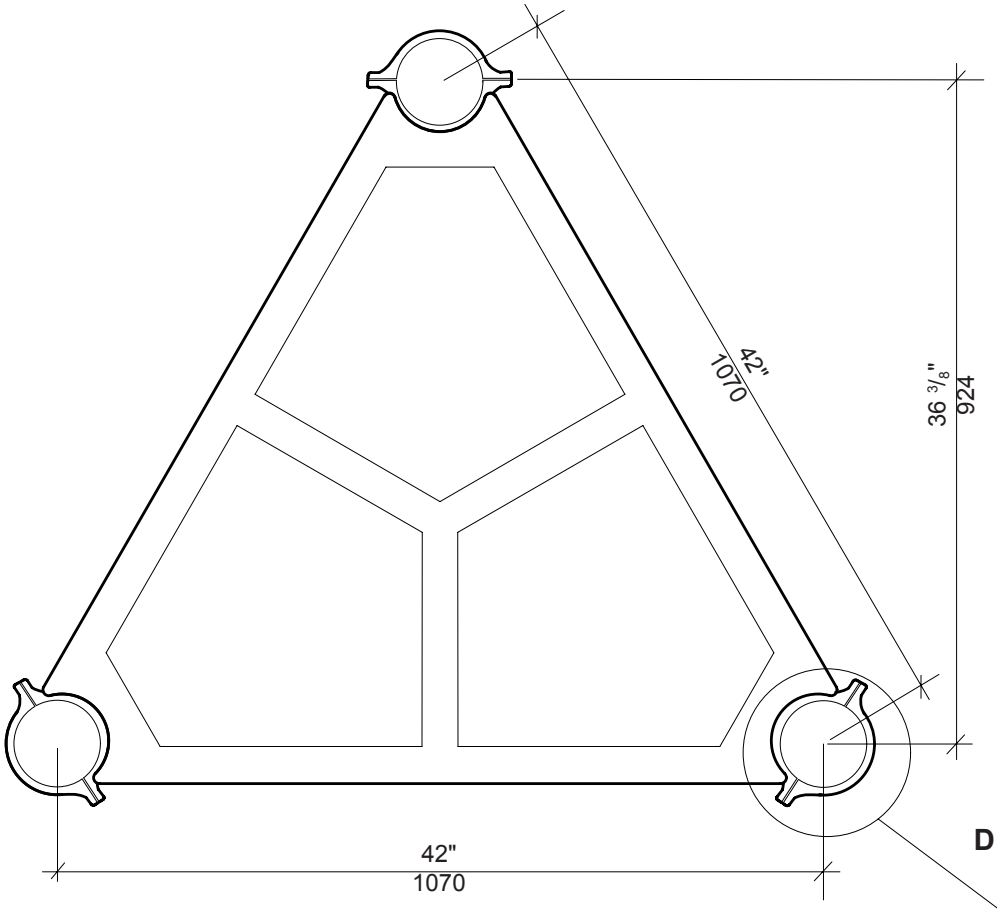
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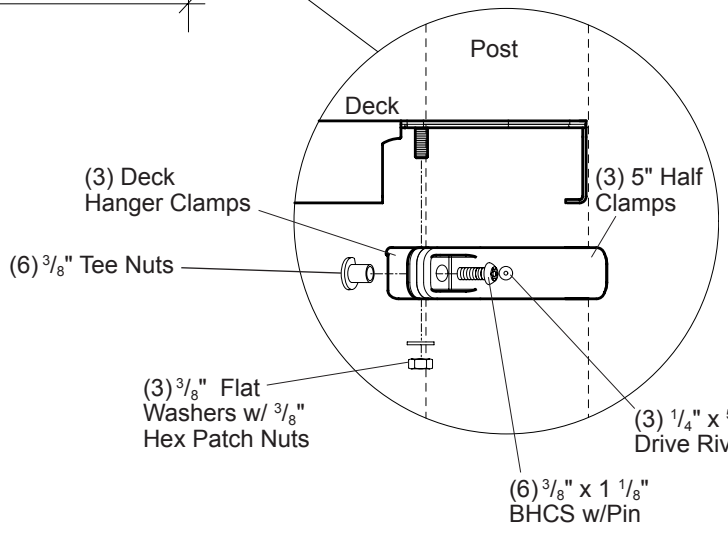
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

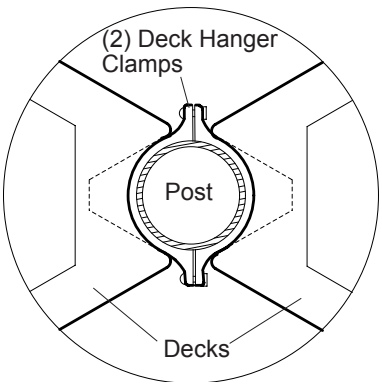
14582400



DETAIL
DECK HANGER CLAMP



DETAIL



Configuration for Back to Back Decks at Same Height.

PlayBooster®

111231 Triangular Tenderdeck

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 111231 Triangular Tenderdeck

Parts List

Part#	Description	Qty.
145657	Tri-Deck, Specify Color	1
105327	5" Half Clamp, Specify Color	3
106022	Deck Hanger Clamp, Specify Color	3
120203	**Triangular Deck Hardware Package**	1
100198	$^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin, SST	6
100321	$^{3}/_{8}$" Hex Patch Nut, SST	3
100351	$^{3}/_{8}$" Tee Nut, SST	6
100362	$^{3}/_{8}$" Flat Washer, SST	3
100610	$^{1}/_{4}$" x $^{5}/_{8}$" Drive Rivet, AL/SST	3

Specifications

Triangular Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with $^{5}/_{16}$" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 $^{5}/_{8}$" x 37 $^{3}/_{4}$". Finish: TenderTuff™, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. $^{1}/_{2}$ man hour

Weight: 61 lbs.

Installation Instructions

1) Mark posts for the appropriate height of the deck you are installing.
2) Fasten deck hanger clamps to marked position on posts. See Detail on the front of this sheet.
3) Lift deck assembly into position, lining up stud underneath deck with deck hanger clamp as shown. Attach using $^{3}/_{8}$" hex patch nuts with $^{3}/_{8}$" flat washers. With deck level and posts plumb, final tighten all hardware.
4) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) After attachment of enclosures and components is complete, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.
6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #52268 Document #14582400 replaces #13954200. Replaced Tri-Deck.

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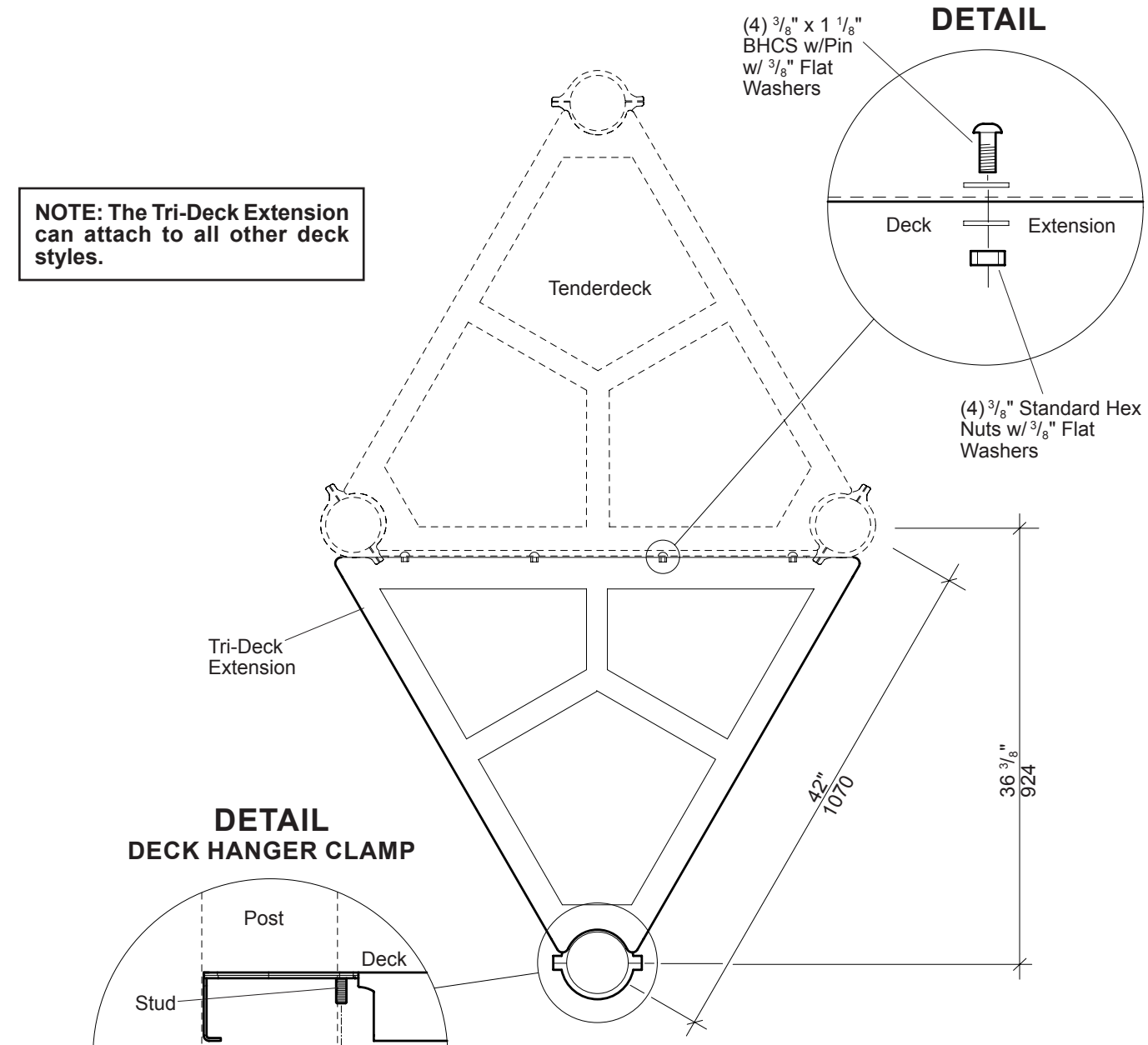
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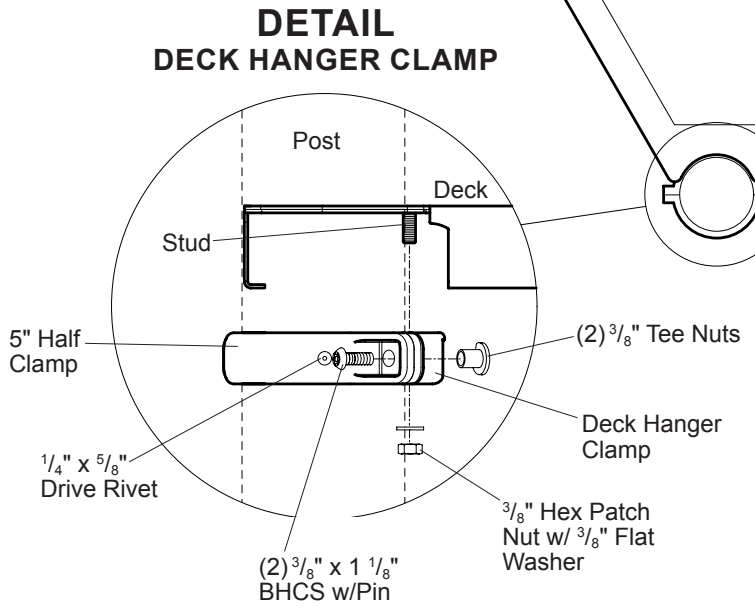
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

14582600

NOTE: The Tri-Deck Extension can attach to all other deck styles.





NOTE: When using this deck, ALL enclosures and components are mounted on the OUTSIDE of the posts.

PlayBooster® 119646 Triangular Tenderdeck Extension

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 119646 Triangular Tenderdeck Extension

Parts List

Part#	Description	Qty.
145663	Tri-Deck Extension, Specify Color	1
105327	5" Half Clamp, Specify Color	1
106022	5" Deck Hanger Clamp, Specify Color	1
119593	**Tri-Deck Extension Hardware Package**	1
100198	$^3/_8$" x 1 $^1/_8$" BHCS w/Pin, SST	6
100321	$^3/_8$" Hex Patch Nut, SST	1
100327	$^3/_8$" Standard Hex Nut, SST	4
100351	$^3/_8$" Tee Nut, SST	2
100362	$^3/_8$" Flat Washer, SST	9
100610	$^1/_4$" x $^5/_8$" Drive Rivet, AL/SST	1

Specifications

Tri-Deck Extension: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with $^5/_{16}$" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size of two of the three sides measures 2 $^5/_8$" x 37 $^7/_8$" on the face of the deck and the other side measures 2 $^5/_8$" x 43 $^3/_4$". Finish: TenderTuff™, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. $^3/_4$ man hour

Weight: 52 lbs.

Installation Instructions

1) Mark the post for the appropriate height of the deck you are installing.
2) Fasten the deck hanger clamp to the marked position on the post. Refer to the Deck Hanger Clamp Detail.
3) Lift the deck into position, line up the studs underneath the deck with the deck hanger clamp. Attach using a $^3/_8$" hex patch nut and $^3/_8$" flat washer, as shown.
4) Attach the tri-deck extension to the tenderdeck using $^3/_8$" x 1 $^1/_8$" BHCS w/pin with $^3/_8$" flat washers and $^3/_8$" standard hex nuts with $^3/_8$" flat washers.
5) With the tri-deck extension level and the post plumb, install the $^1/_4$" x $^5/_8$" drive rivet in the 5" half clamp. Refer to the Typical Offset Hanger Clamp Spec Sheet.
6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #52268 Document #14582600 replaces #13954100. Replaced Tri-Deck Extension.

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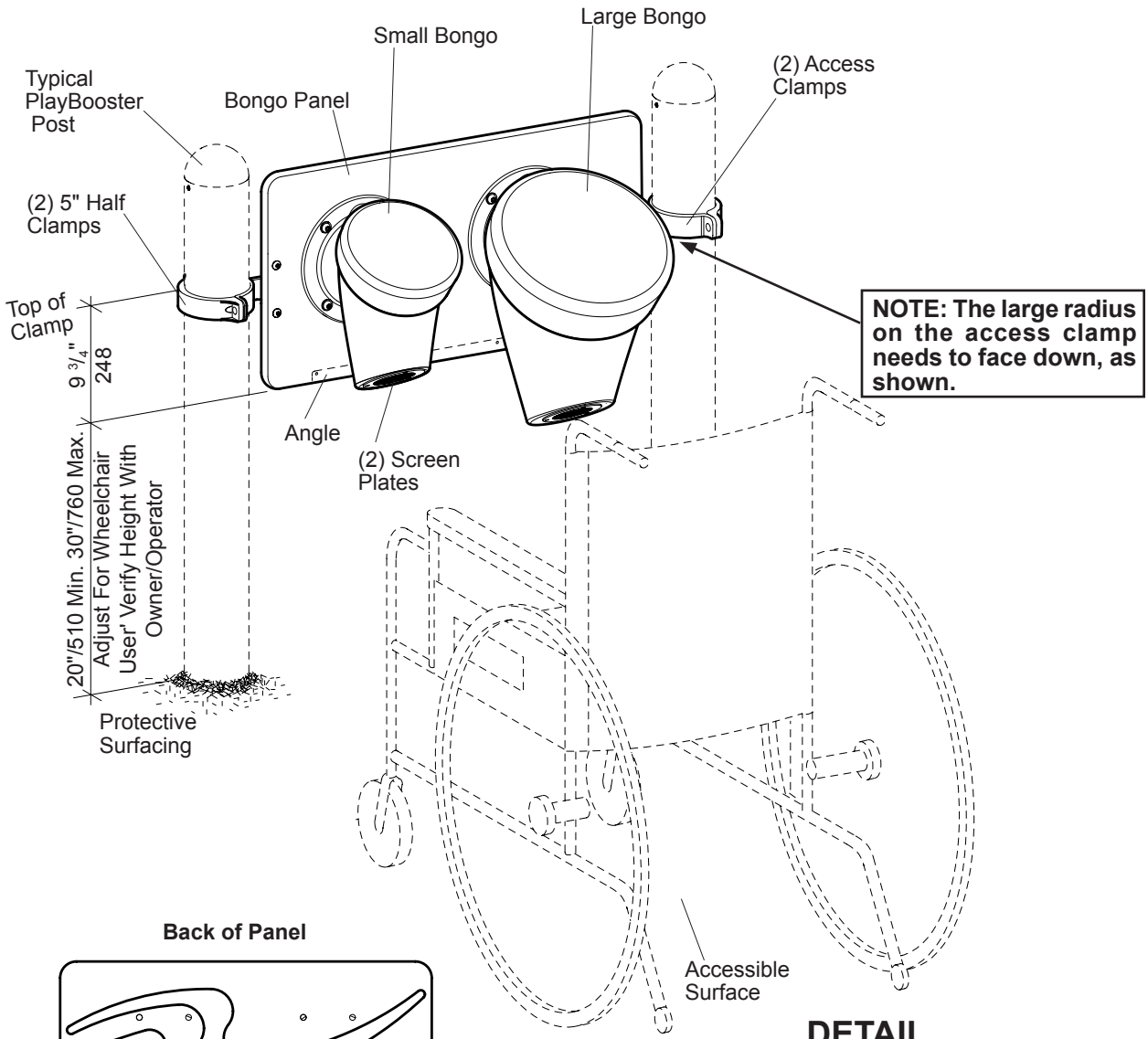
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ISO 9001 Certified

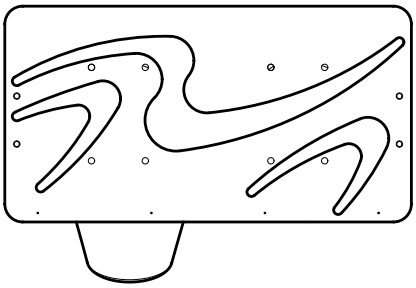
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

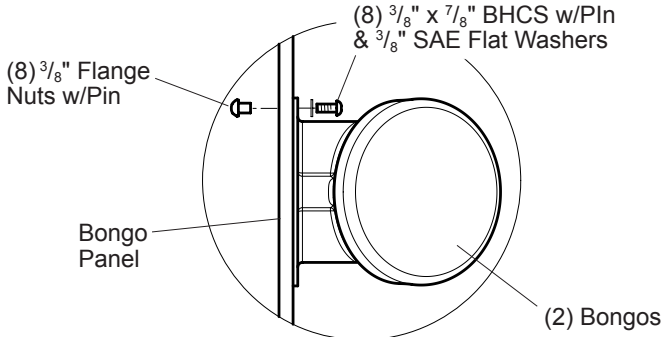
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Back of Panel



DETAIL
BONGO ATTACHMENT



PlayBooster® **164094 Bongo, Reach Panel** Sheet 1 of 2

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Document #21299200

PlayBooster® 164094 Bongo, Reach Panel

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
127331	Angle, Black	1
188387	Access Clamp, Specify Color	2
163911	Small Bongo, Specify Color	1
163912	Large Bongo, Specify Color	1
164130	Bongo Panel, Specify Color	1
164523	Screen Plate, Black	2
211890	Access Panel Spacer, Specify Color	2
164415	**Bongo Panel Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	8
100353	3/8" Flange Nut w/Pin, SST	8
100365	3/8" SAE Flat Washer, SST	8
162374	1/4" x 3/4" BHCS w/Pin, SST	6
127463	T-27 Hex Bit	1
212999	**Panel Hardware Package**	1
100196	3/8" x 7/8 BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	4
127463	Torx Hex Bit	1
127872	#14 x 3/4" Torx Screw, SST	4
100171	3/8" x 1 1/2 BHCS w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	8

Specifications

Panel: Two color Permalene® panel measures 34" wide x 18" high, color specified.

Panel Spacer: Permalene®, color specified.

Bongo: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Angle: Fabricated from formed 11 GA (.120") HRPO sheet steel. Finish: ProShield®, Black in color.

Screen Plate: Fabricated from 12 GA. (.105") HRPO flat steel. Finish: ProShield, black in color.

Access Clamp: Weldment comprised of 3/8" HRPO steel plate and 1/4" x 1 3/4" wide steel clamp. Finish: ProShield, color specified.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 3/4 man hour

Weight: 38 lbs.

Installation Instructions

1) Attach screen plates to bongos, using 1/4" x 3/4" BHCS w/pin. Refer to the Screen Attachment Detail. **NOTE:** *Screen plates attach (flat side to flat side) to inside of Bongos.*

2) Attach the angle to the bottom of the panel using #14 x 3/4" torx screws. Refer to the Angle Attachment Detail.

3) Attach the access clamps to posts at the height shown, using 5" half clamps, 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" tee nuts. **NOTE:** *The large radius on the access clamp needs to face down, as shown.*

4) Attach Bongos to panel using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin.

4) Attach panel and access spacer panels to access clamps, using 3/8" x 1 1/2" BHCS w/pin, with 3/8" SAE flat washers and 3/8" flange nuts w/pin. Refer to the Panel Attachment Detail.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec sheet.

7) If mounted to a structure, install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0100449 Document #21299200 replaces #18840900. Replaced hardware pkg. & added spacer panels.

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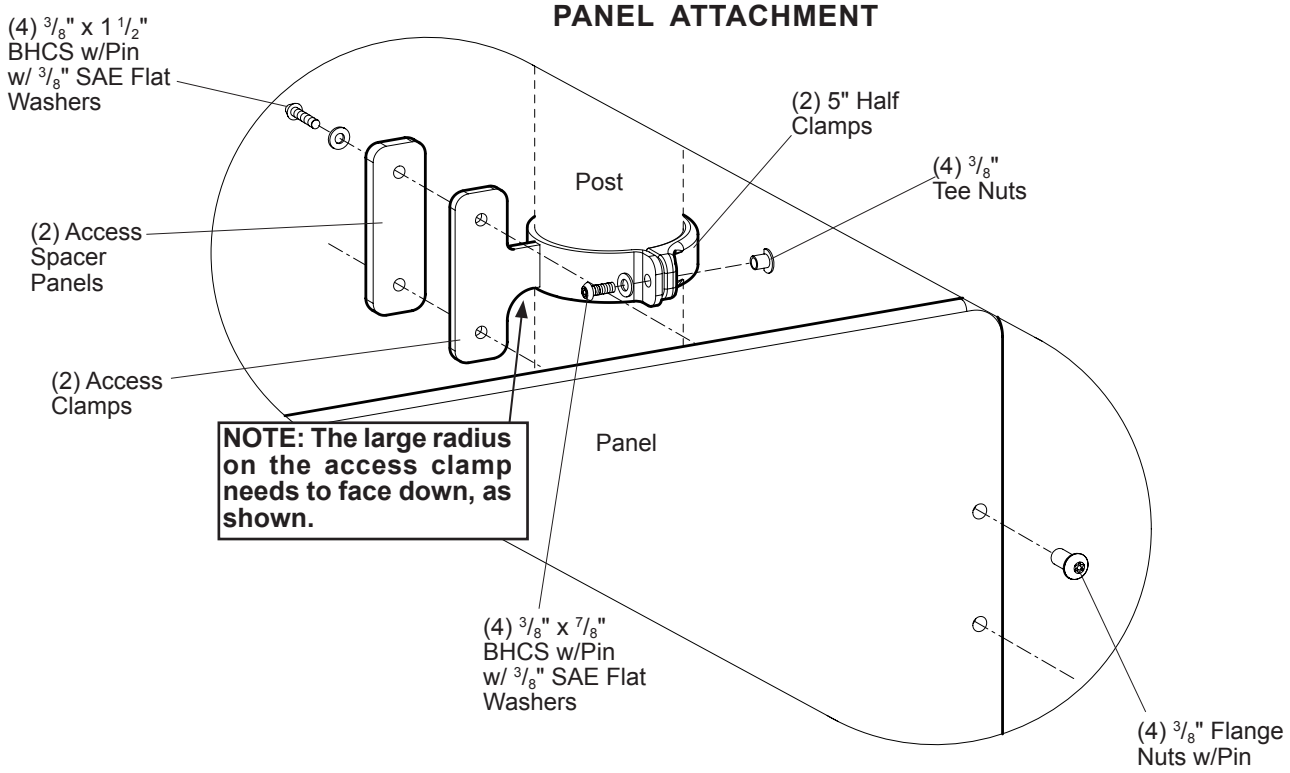
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SAFETY NOTE

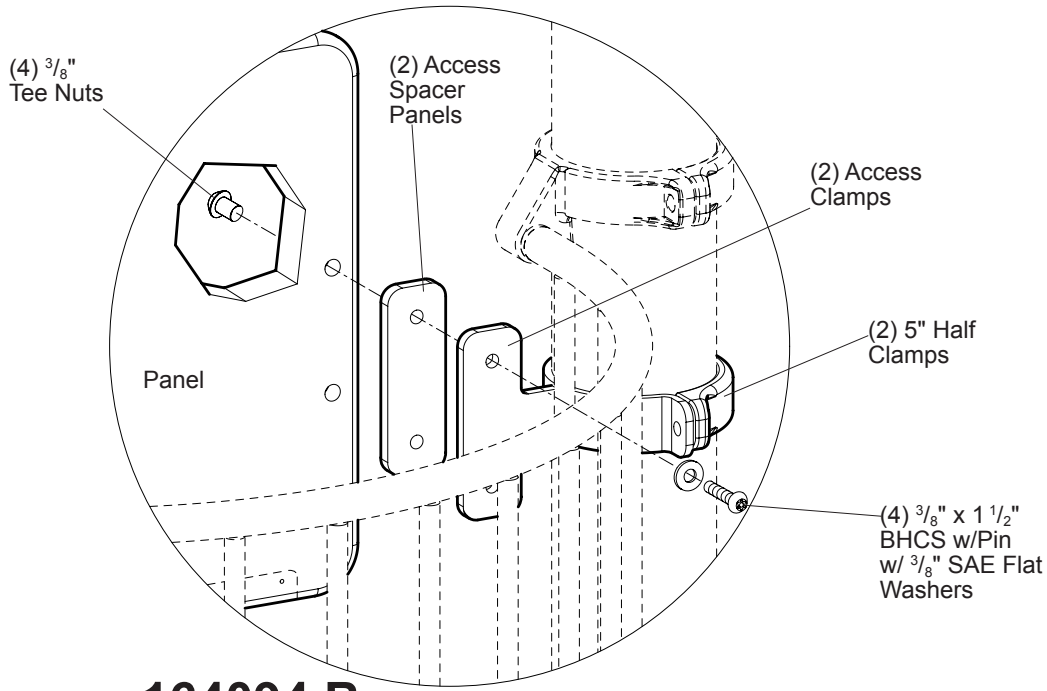
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
PANEL ATTACHMENT



DETAIL
PANEL ATTACHMENT
(WITH BALCONY DECK)



PlayBooster®

164094 Bongo, Reach Panel

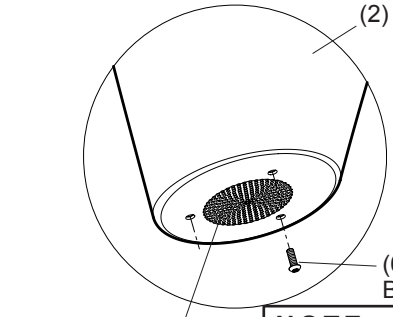
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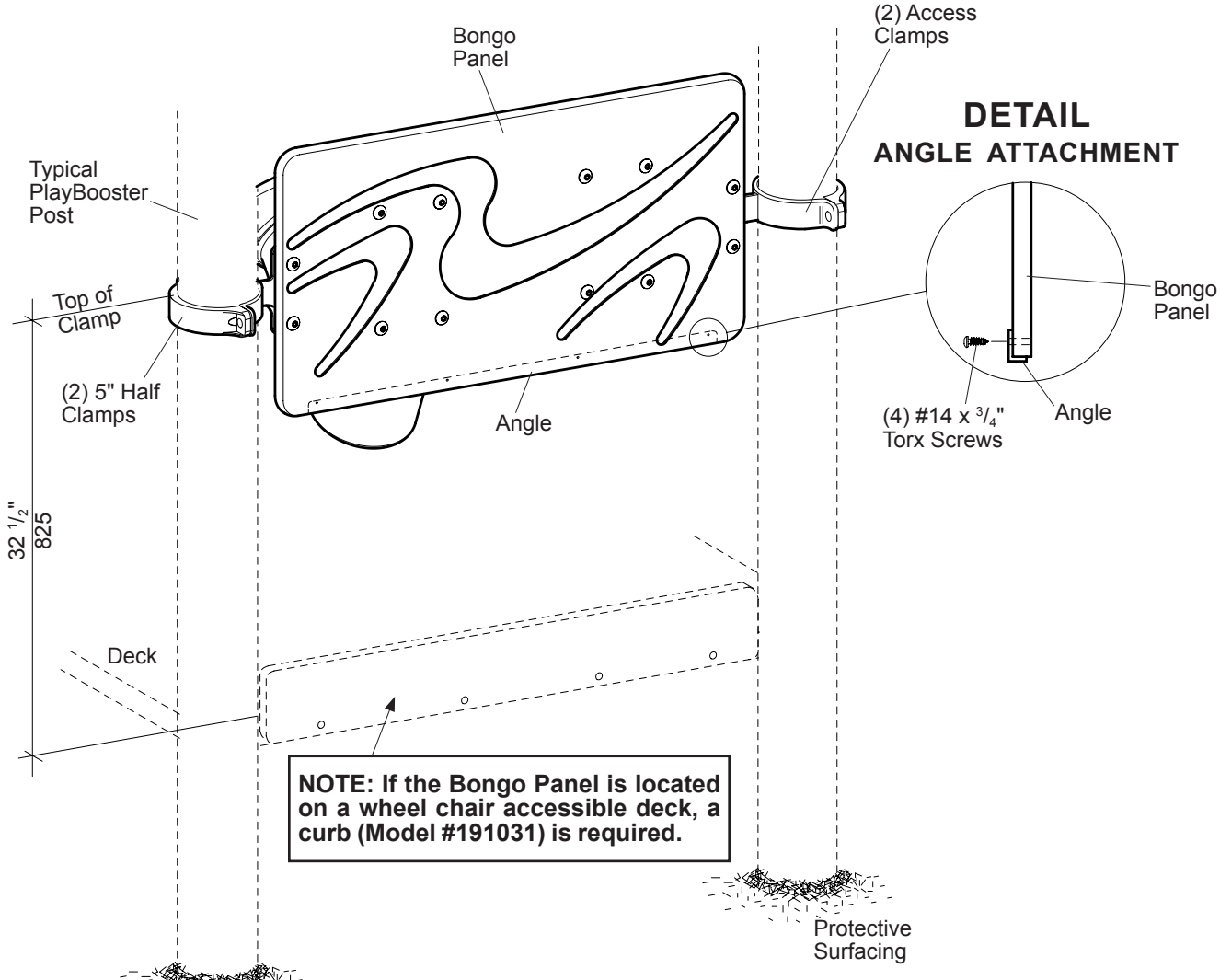
Document #21299200

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DETAIL
SCREEN ATTACHMENT



NOTE: Screen plates attach (flat side to flat side) to inside of Bongos.



NOTE: If the Bongo Panel is located on a wheel chair accessible deck, a curb (Model #191031) is required.

DETAIL
ANGLE ATTACHMENT

PlayBooster® 164094 Bongo, Reach Panel

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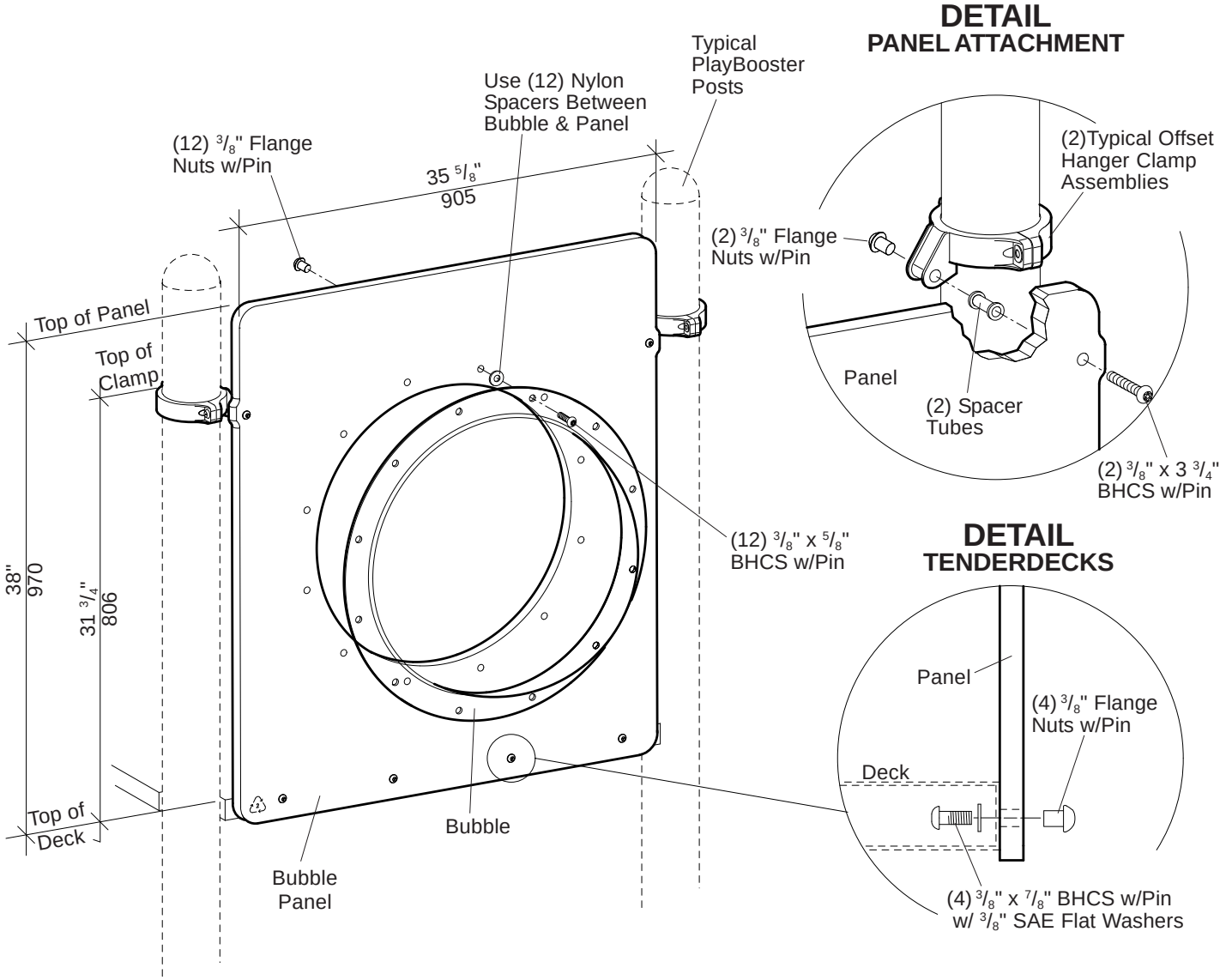
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ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

13391700



DECK MOUNT

PlayBooster®

115223 Bubble Panel

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PlayBooster® 115223 Bubble Panel

Parts List

Part#	Description	Qty.
	ABOVE DECK	
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
113468	Spacer Tube, Specify Color	2
119883	Bubble	1
114015	Bubble Panel, Specify Color	1
115385	**Bubble Hardware Package**	1
100195	3/8" x 5/8" BHCS w/Pin, SST	12
100353	3/8" Flange Nut w/Pin, SST	12
112501	Nylon Spacer	12
124900	**Tenderdeck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	4
	BELOW DECK	
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
113468	Spacer Tube, Specify Color	2
113464	Angled Panel Bracket, Specify Color	1
119883	Bubble	1
114015	Bubble Panel, Specify Color	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
115385	**Bubble Hardware Package**	1
100195	3/8" x 5/8" BHCS w/Pin, SST	12
100353	3/8" Flange Nut w/Pin, SST	12
112501	Nylon Spacer	12
124947	**Below Deck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100195	3/8" x 5/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	6

Specifications

Permalene® Panel: Solid color panel measures 35 5/8" wide x 41" high, color specified.

Bubble: Vacuum formed .230" x 26 3/8" diameter clear polycarbonate.

Nylon Spacer: 3/8" I.D. nylon washer.

Angled Panel Brkt.: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 1/8" O.D. x 1 1/2" long. Finish: ProShield®, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Above Deck Approx. 3/4 man hour
Below Deck Approx. 1 man hour

Weight: Above Deck 38 lbs.
Below Deck 46 lbs.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

1) Attach bubble to panel with panel laying on its backside. Position the (12) nylon spacers over the panel holes. Place the (12) 3/8" x 5/8" BHCS w/pin through the bubble holes, lower bubble onto panel and secure using 3/8" flange nuts w/pin from backside of panel.

2) Attach panel to the face of the deck, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. See Detail.

3) Attach offset hanger assemblies to posts at height shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Assembly Sheet.

4) Attach panel to offset hanger assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Panel Attachment Detail.

5) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

1) Attach bubble to panel with panel laying on its backside. Position the (12) nylon spacers over the panel holes. Place the (12) 3/8" x 5/8" BHCS w/pin through the bubble holes, lower bubble onto panel and secure using 3/8" flange nuts w/pin from backside of panel.

2) Attach offset hanger assemblies to posts at height shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Assembly Sheet.

3) Attach angled panel bracket to bottom of panel, using 3/8" x 5/8" BHCS w/pin and 3/8" flange nuts w/pin. See Below Deck Mount.

4) Attach angled panel bracket with panel to offset rail hanger assemblies, using 5/8" x 2 1/4" BHCS w/pin. See Below Deck Mount.

5) Attach top of panel to offset rail hanger assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Typical Attachment To Post Detail.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Assembly sheet.

7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

1-1-01 Document #13391700 replaces #13062500. Removed recycled deck option from model.

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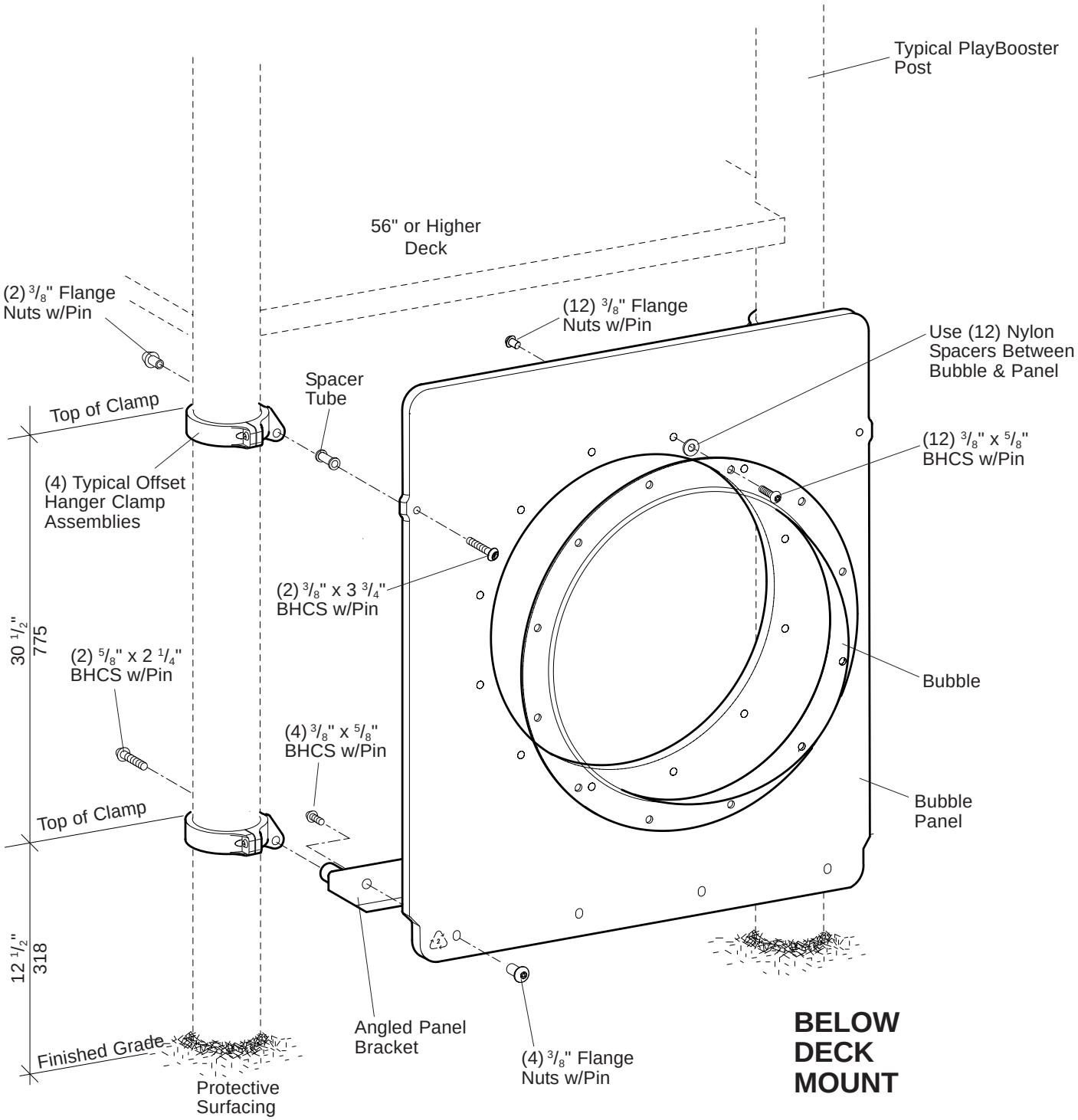
ISO 14001 CERTIFIED

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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

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PlayBooster®

115223 Bubble Panel

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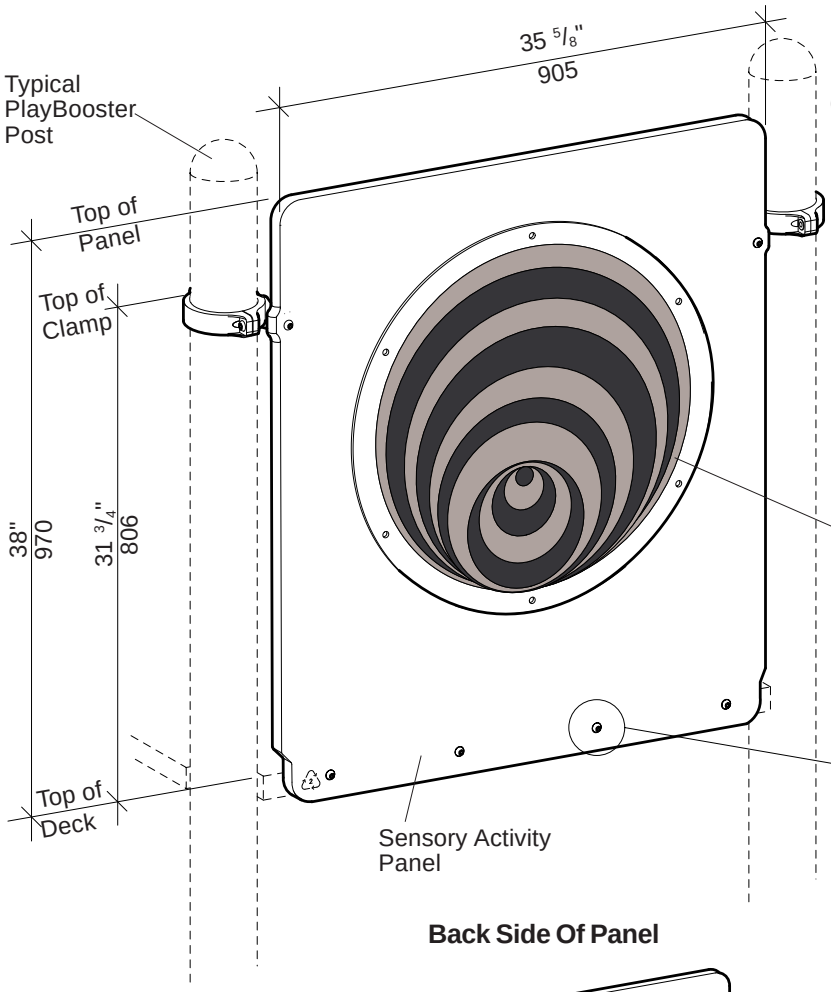
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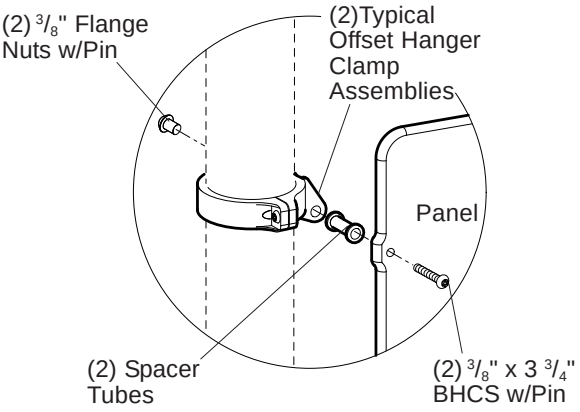
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

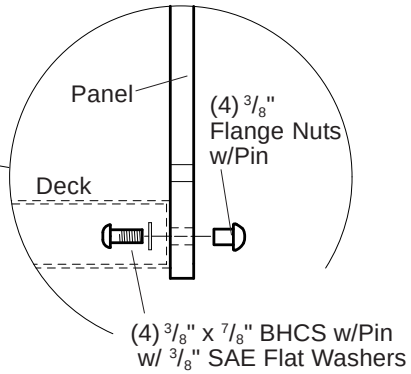
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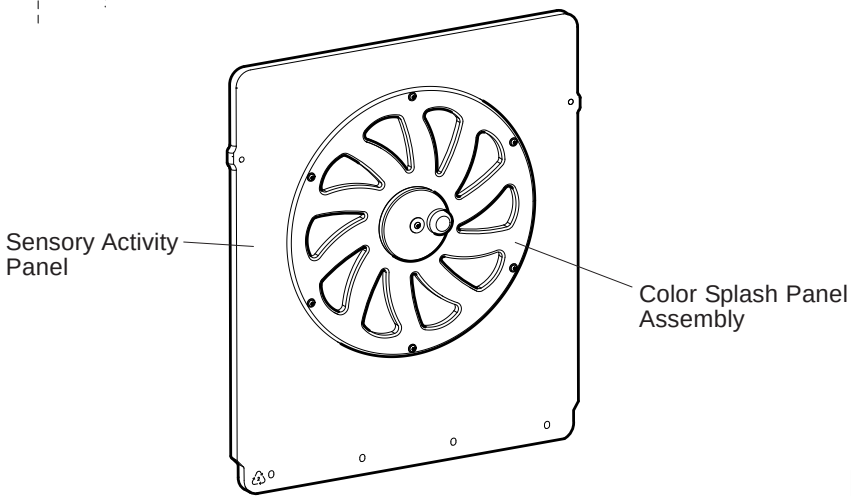
DETAIL
PANEL ATTACHMENT



DETAIL
TENDERDECKS



Back Side Of Panel



DECK MOUNT

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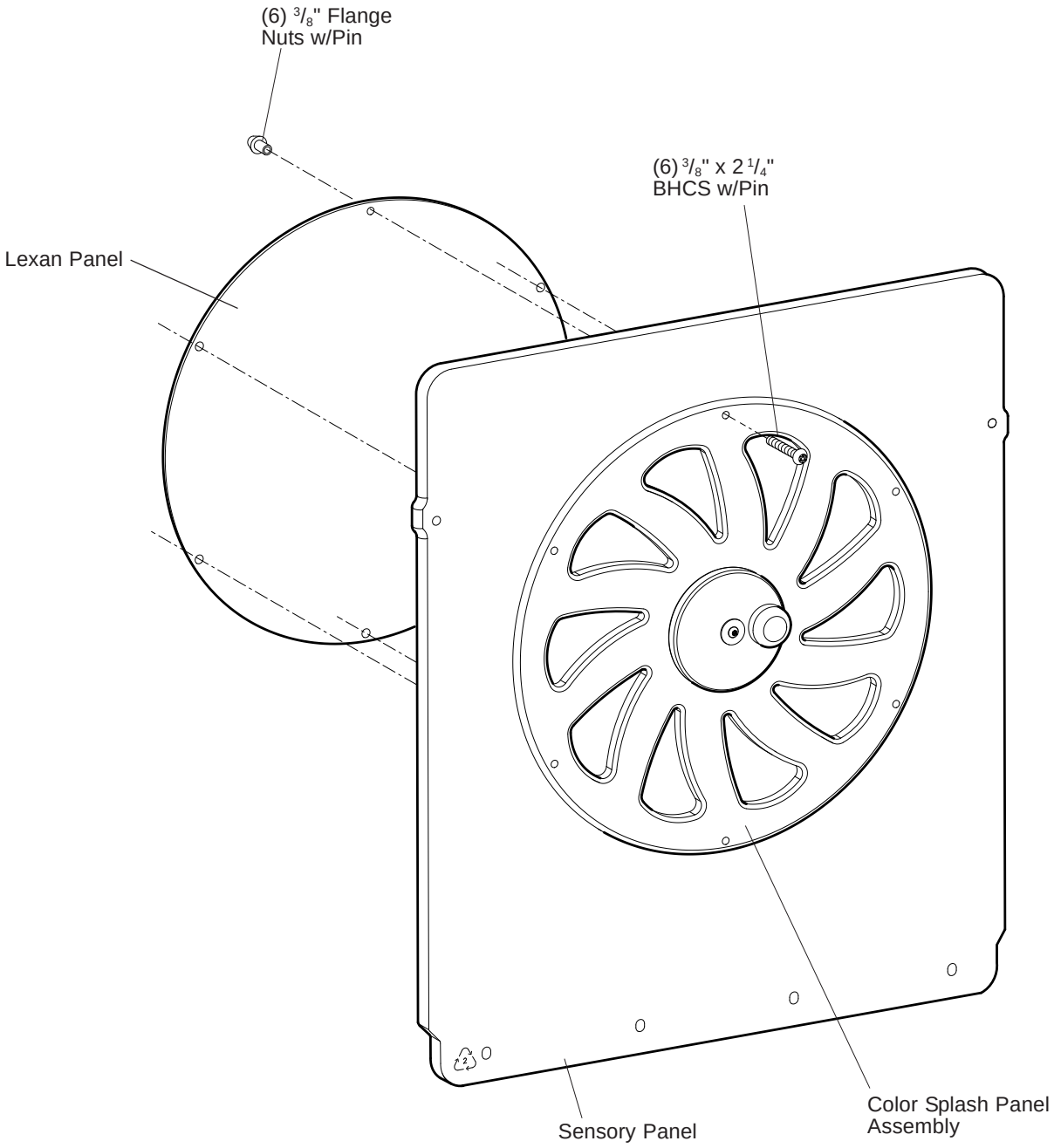
177712 Color Splash Panel™

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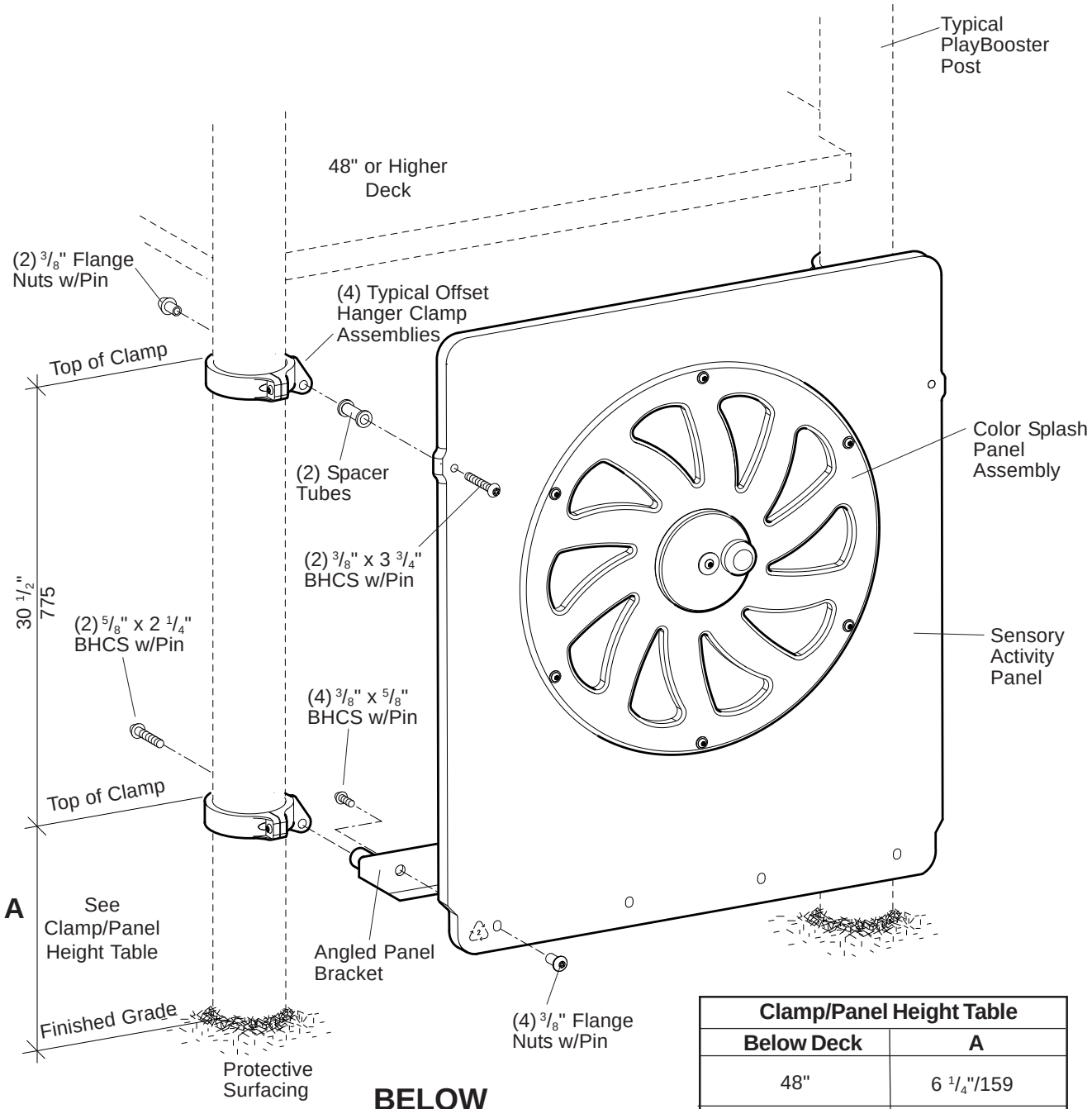
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

178134a



BELOW DECK MOUNT

Clamp/Panel Height Table	
Below Deck	**A**
48"	6 1/4"/159
56" And Higher	14 1/2"/368

PlayBooster® **177712 Color Splash Panel™** Sheet 2 of 2

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PlayBooster® 177712 Color Splash Panel™

Parts List

Part#	Description	Qty.
	ABOVE DECK	
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
113468	Spacer Tube, Specify Color	2
173727	Sensory Activity Panel, Specify Color	1
178123	Color Splash Panel Assembly, Specify Color	1
124900	**Tenderdeck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	4
178349	**Color Splash Panel Hardware Package**	1
100199	3/8" x 2 1/4" BHCS w/Pin, SST	6
100353	3/8" Flange Nut w/Pin, SST	6
	BELOW DECK	
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
113468	Spacer Tube, Specify Color	2
113464	Angled Panel Bracket, Specify Color	1
173727	Sensory Activity Panel, Specify Color	1
178123	Color Splash Panel Assembly, Specify Color	1
124947	**Below Deck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100195	3/8" x 5/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	6
178349	**Color Splash Panel Hardware Package**	1
100199	3/8" x 2 1/4" BHCS w/Pin, SST	6
100353	3/8" Flange Nut w/Pin, SST	6

Specifications

Color Splash Panel Assembly: Assembly comprised of (Permalene® Panels), color specified. (Lexan Panel) 1/4" (6,35 mm) thick x 26 3/4" (679,45 mm) diameter. (Acrylic Panel) 1/8" (3,18 mm) thick x 26 3/4" (679,45 mm) diameter clear. (Color Wheel) .1875" (4,76 mm) thick x 23 7/16" (595,30 mm) diameter aluminum sheet. Finish: ProShield®, image is transferred into paint by the process of infusion. (Shaft) stainless steel. (Thrust Oilite Bearing) .125" (3,18 mm) thick x 2.875" (73,03 mm) diameter. (Sleeve Oilite Bearing) 1.25" (31,75 mm) diameter x .750" (19,05 mm) long.

Angled Panel Brkt: Weldment comprised of .190" (4,82 mm) thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 1/8" (28,58 mm) O.D. x 1 1/2" (38,1 mm) long. Finish: ProShield, color specified.

Sensory Activity Panel: Permalene panel measures 35 5/8" (904,87 mm) wide x 41" (1041 mm) high, color specified.

Clamp: Cast aluminum. Finish: ProShield, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,22 mm) O.D. x 1 11/16" (42,85 mm) long. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Above Deck Approx. 3/4 man hour
Below Deck Approx. 1 man hour

Weight: Above Deck 83 lbs.
Below Deck 89 lbs.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

1) Attach color splash panel assembly to panel, using 3/8" x 2 1/4" BHCS w/pin and 3/8" flange nuts w/pin, as shown. **NOTE:** *Remove protective layer from lexan before installation.*
2) Attach panel to the face of the deck, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. See Detail.
3) Attach offset hanger clamp assemblies to posts at height shown, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
4) Attach panel to offset hanger clamp clamp assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Panel Attachment Detail.
5) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
6) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

1) Attach color splash panel assembly to panel, using 3/8" x 2 1/4" BHCS w/pin and 3/8" flange nuts w/pin, as shown. **NOTE:** *Remove protective layer from lexan before installation.*
2) Attach offset hanger clamp assemblies to posts at height shown, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
3) Attach angled panel bracket to bottom of panel, using 3/8" x 5/8" BHCS w/pin and 3/8" flange nuts w/pin. See Panel Attachment Detail.
4) Attach angled panel bracket with panel to offset hanger clamp assemblies, using 5/8" x 2 1/4" BHCS w/pin. See Below Deck Mount.
5) Attach top of panel to offset hanger clamp assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Typical Attachment To Post Detail.
6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #54521 Document 18427800 replaces 17813400. Updated Color Splash Panel Assembly.

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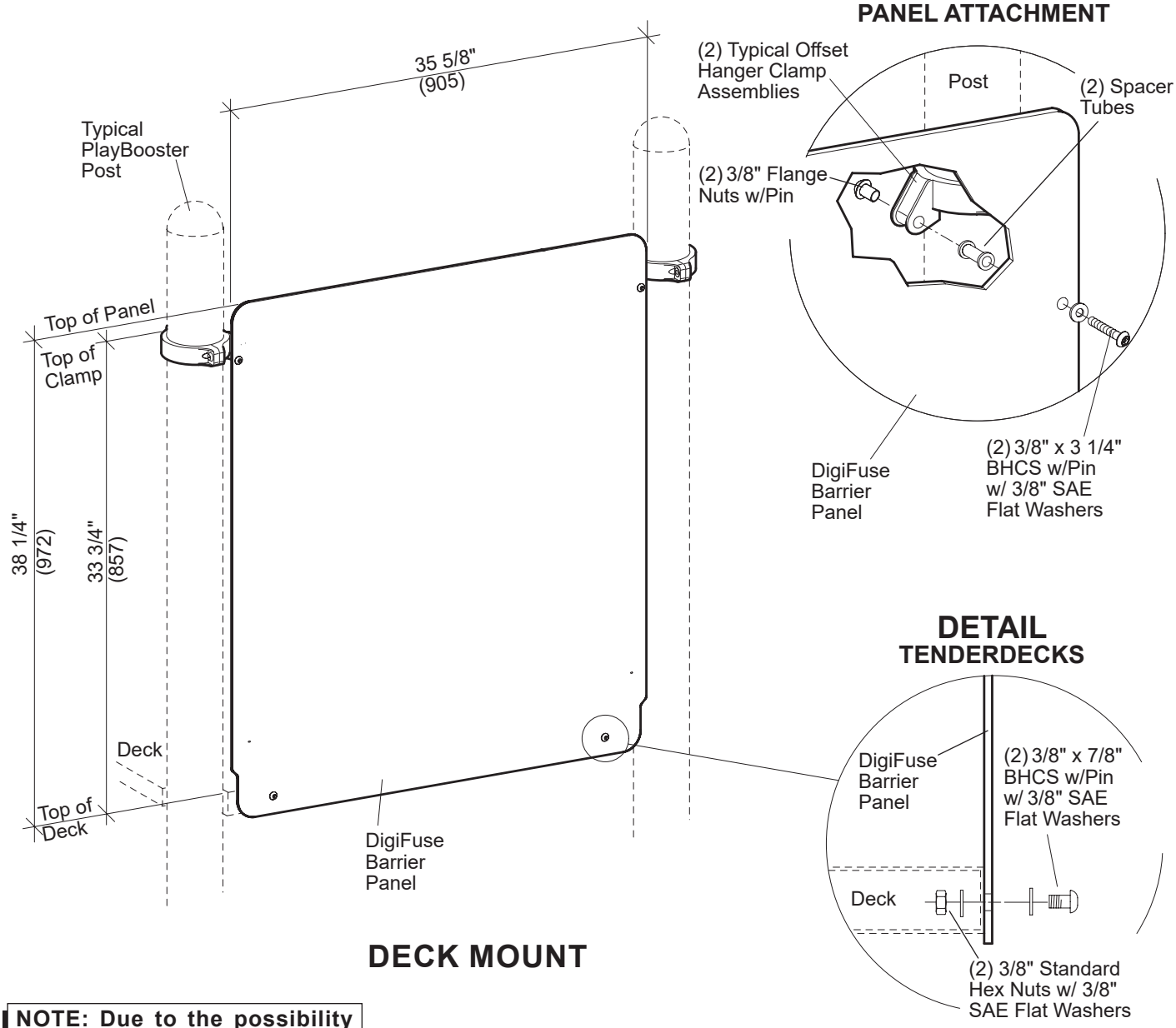
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

218148



DECK MOUNT

NOTE: Due to the possibility of scratching, it is important to leave packaging on panel until immediately prior to installation.

PlayBooster®

217909 DigiFuse® Barrier Panel

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #21814800

PlayBooster® 217909 DigiFuse® Barrier Panel

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Parts List

Part#	Description	Qty.
	ABOVE DECK	
217793	DigFuse Barrier Panel-Space	*
217794	DigFuse Barrier Panel-Music	*
217795	DigFuse Barrier Panel-Circus	*
217796	DigFuse Barrier Panel-Animal Tracks	*
217800	DigFuse Barrier Panel-Insects	*
217801	DigFuse Barrier Panel-Robot	*
217807	DigFuse Barrier Panel-Science	*
217808	DigFuse Barrier Panel-Safari	*
217809	DigFuse Barrier Panel-Camping	*
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
113468	Spacer Tube, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
XXXXXX	Custom Artwork Panel	*
218176	**Tenderdeck Mounting Hardware Package**	1
100168	3/8" x 3 1/4" BHCS, SST	2
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100327	3/8" Standard Hex Nut, SST	2
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	2
100365	3/8" SAE Flat Washer, SST	6
	BELOW DECK	
217793	DigFuse Barrier Panel-Space	*
217794	DigFuse Barrier Panel-Music	*
217795	DigFuse Barrier Panel-Circus	*
217796	DigFuse Barrier Panel-Animal Tracks	*
217800	DigFuse Barrier Panel-Insects	*
217801	DigFuse Barrier Panel-Robot	*
217807	DigFuse Barrier Panel-Science	*
217808	DigFuse Barrier Panel-Safari	*
217809	DigFuse Barrier Panel-Camping	*
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
XXXXXX	Custom Artwork Panel	*
139528	**Below Deck Mounting Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	4
113027	3/8" x 1 3/8" BHCS w/Pin, SST	4

*** = Quantity Determined By Your Order**

Specifications

DigiFuse Panel: Made from 1/4" (6,35 mm) thick aluminum sheet. Dye sublimation printed digital artwork is fused onto the powdercoated substrate.

Spacer Tube: Made from 6061-T6 aluminum 7/8" (22,22 mm) O.D. x 1 11/16" (42,84 mm). Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Above Deck Approx. 3/4 man hour
Below Deck Approx. 1 man hour

Weight: Above Deck 41 lbs.
Below Deck 44 lbs.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

1) Attach panel to the face of the deck, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Tenderdeck Detail.
2) Attach offset hanger clamp assemblies to posts at height shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
3) Attach panel to offset hanger clamp assemblies using 3/8" x 3 1/4" BHCS with 3/8" SAE flat washers, spacer tubes and 3/8" flange nuts w/pin. See Panel Attachment Detail.
4) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

1) Attach offset hanger clamp assemblies to posts at heights shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
2) Drill out the lower two pilot holes in panel to 7/16" diameter.
3) Attach panel to offset hanger clamp assemblies using 3/8" x 1 3/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. See Panel Attachment Detail.
4) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

2-6-19 Added custom artwork part

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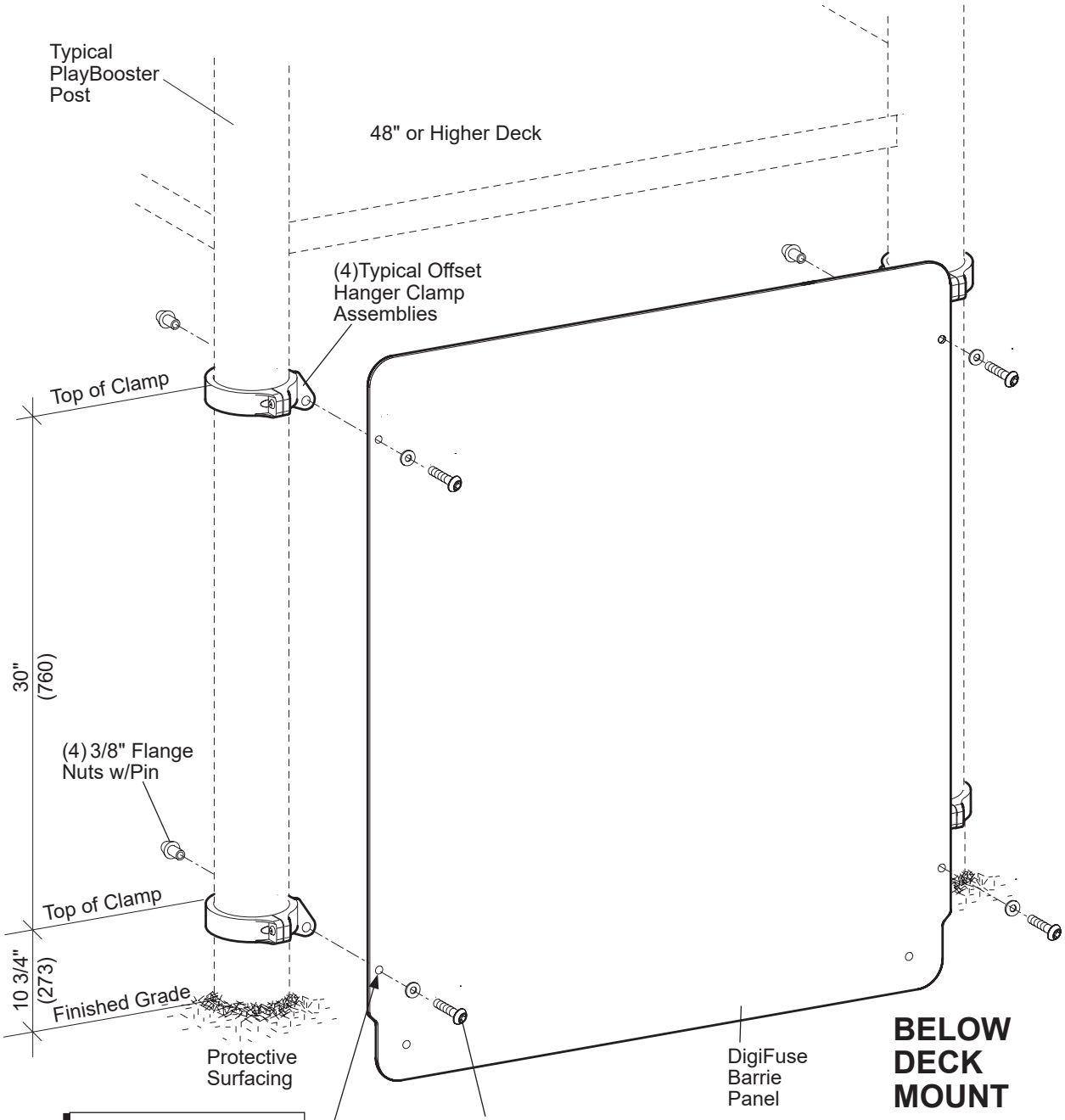
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

218148a



NOTE: Drill through pilot holes in bottom (2) locations.

NOTE: Due to the possibility of scratching, it is important to leave packaging on panel until immediately prior to installation.

NOTE: Deck mount holes not used.

PlayBooster® 217909 DigiFuse® Barrier Panel

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Document #21814800

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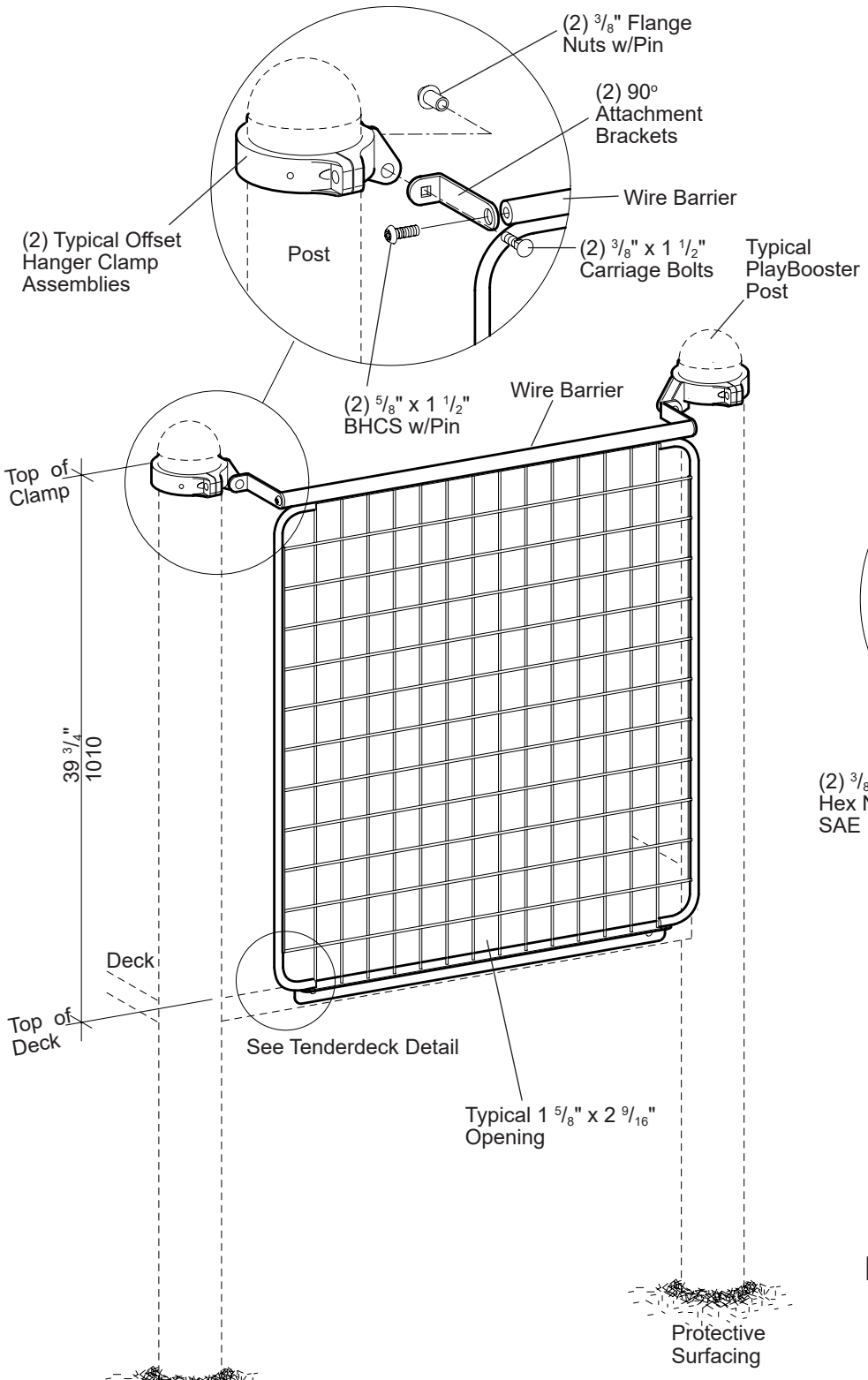
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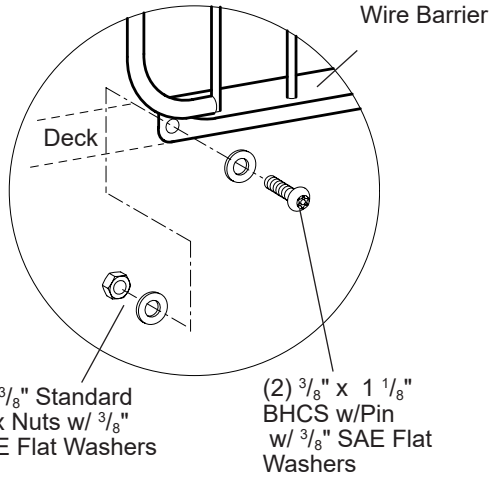
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

6-6-01
13517900

DETAIL
90° ATTACHMENT BRACKETS



DETAIL
TENDERDECKS



DECK MOUNT

PlayBooster®

120314 Wire Barrier

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PlayBooster® 120314 Wire Barrier

Parts List

Part#	Description	Qty.
	ABOVE DECK	
132760	Wire Barrier, Specify Color	1
128824	90° Attachment Bracket, Specify Color	2
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
132739	**Barrier, Above Deck Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	6
100201	5/8" x 1 1/2" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	2
116017	3/8" x 1 1/2" Carriage Bolt w/Patch, SST	2
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washer, SST	4
	BELOW DECK	
132760	Wire Barrier, Specify Color	1
128824	90° Attachment Bracket, Specify Color	2
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
113464	Angled Panel Bracket, Specify Color	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
132741	**Barrier, Below Deck Hardware Package**	1
116017	3/8" x 1 1/2" Carriage Bolt, SST	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	8
100201	5/8" x 1 1/2" BHCS w/Pin, SST	2
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washer, SST	4
100353	3/8" Flange Nut w/Pin, SST	2

Specifications

Barrier: Weldment comprised of 5/8" solid steel vertical rails, 1 1/8" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" internal threads, 1 1/2" x 1 1/2" x 29 1/2" angle iron and 1/4" diameter wire. Barrier has approximately 1 5/8" x 2 9/16" openings and measures 33 7/8" wide x 39 13/16" high. Finish: TenderTuff™, color specified.

90° Bracket: Formed from 1/4" x 1 1/4" HRPO flat steel. Finish: ProShield®, color specified.

Angled Panel Brkt.: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" O.D. x 1 1/2" long. Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/4 man hours
Weight: Above Deck 33 lbs.
Below Deck 39 lbs.

Specifications are subject to change without notice.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

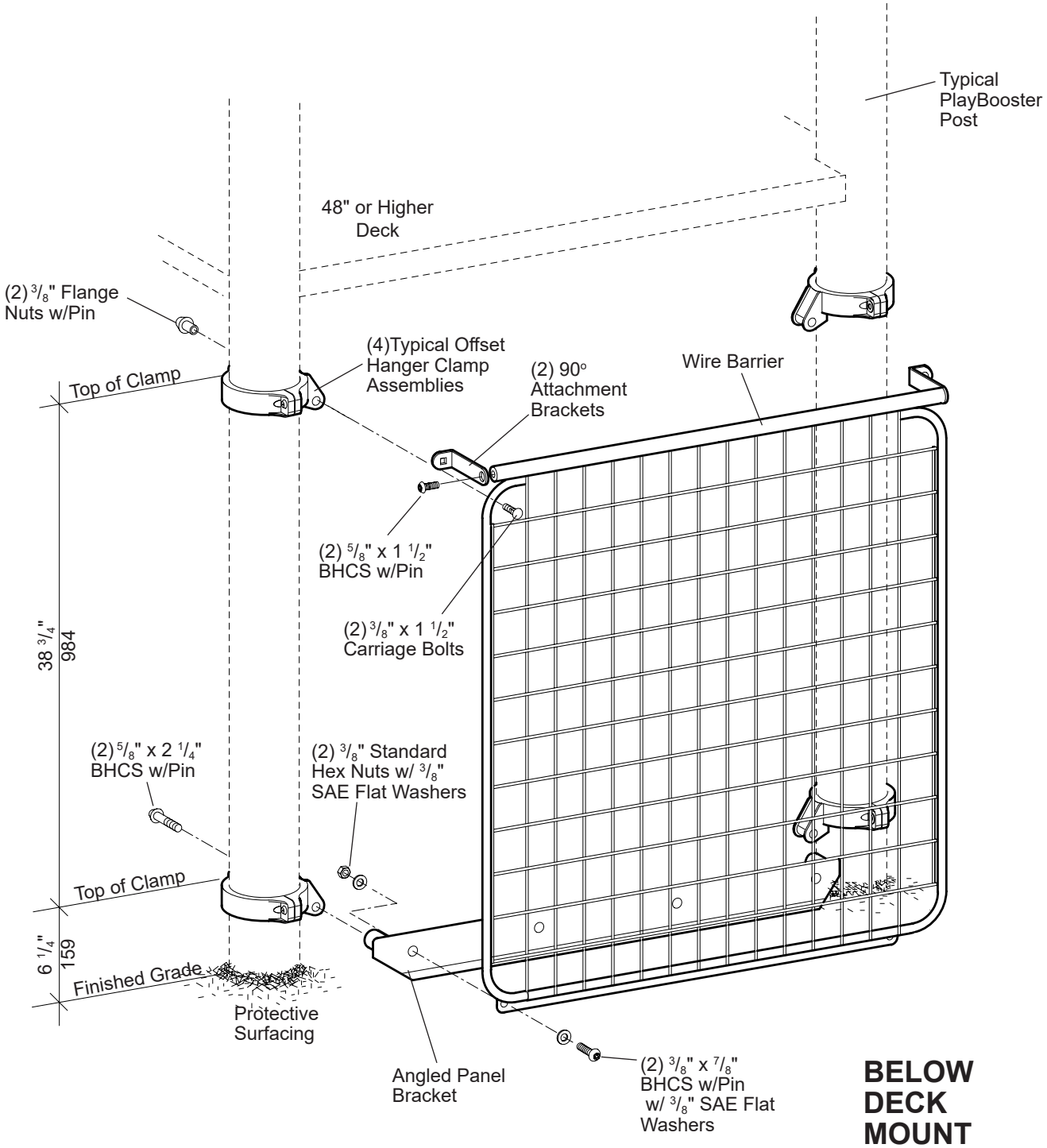
1) Attach the wire barrier to the face of the deck, using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Tenderdeck Detail.
2) Attach the offset hanger clamp assemblies to the posts, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
3) Attach the 90° attachment brackets to wire barrier using 5/8" x 1 1/2" BHCS w/pin. Refer To The 90° Attachment Bracket Detail.
4) Attach the 90° attachment brackets to the offset hanger clamps, using 3/8" x 1 1/2" carriage bolts and 3/8" flange nuts w/pin. Refer To The 90° Attachment Bracket Detail.
5) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

1) Attach offset hanger assemblies to posts at height shown, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
2) Attach angled panel bracket to bottom of wire barrier, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. See Below Deck Mount.
3) Attach angled panel bracket with wire barrier to offset hanger clamp assemblies, using 5/8" x 2 1/4" BHCS w/pin. See Below Deck Mount.
4) Attach the 90° attachment brackets to wire barrier using 5/8" x 1 1/2" BHCS w/pin. Refer To The 90° Attachment Bracket Detail.
5) Attach the 90° attachment brackets to the offset hanger clamps using 3/8" x 1 1/2" carriage bolts and 3/8" flange nuts w/pin. Refer To The 90° Attachment Bracket Detail.
6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec sheet.
7) Install protective surfacing before users are allowed to play on the structure.

6-6-01 Document #13517900 Replaces #13166000. Removed 2 mounting holes from wire barrier and also changed wire diameter for wire barrier to 1/4".

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BELOW DECK MOUNT

PlayBooster®

120314 Wire Barrier

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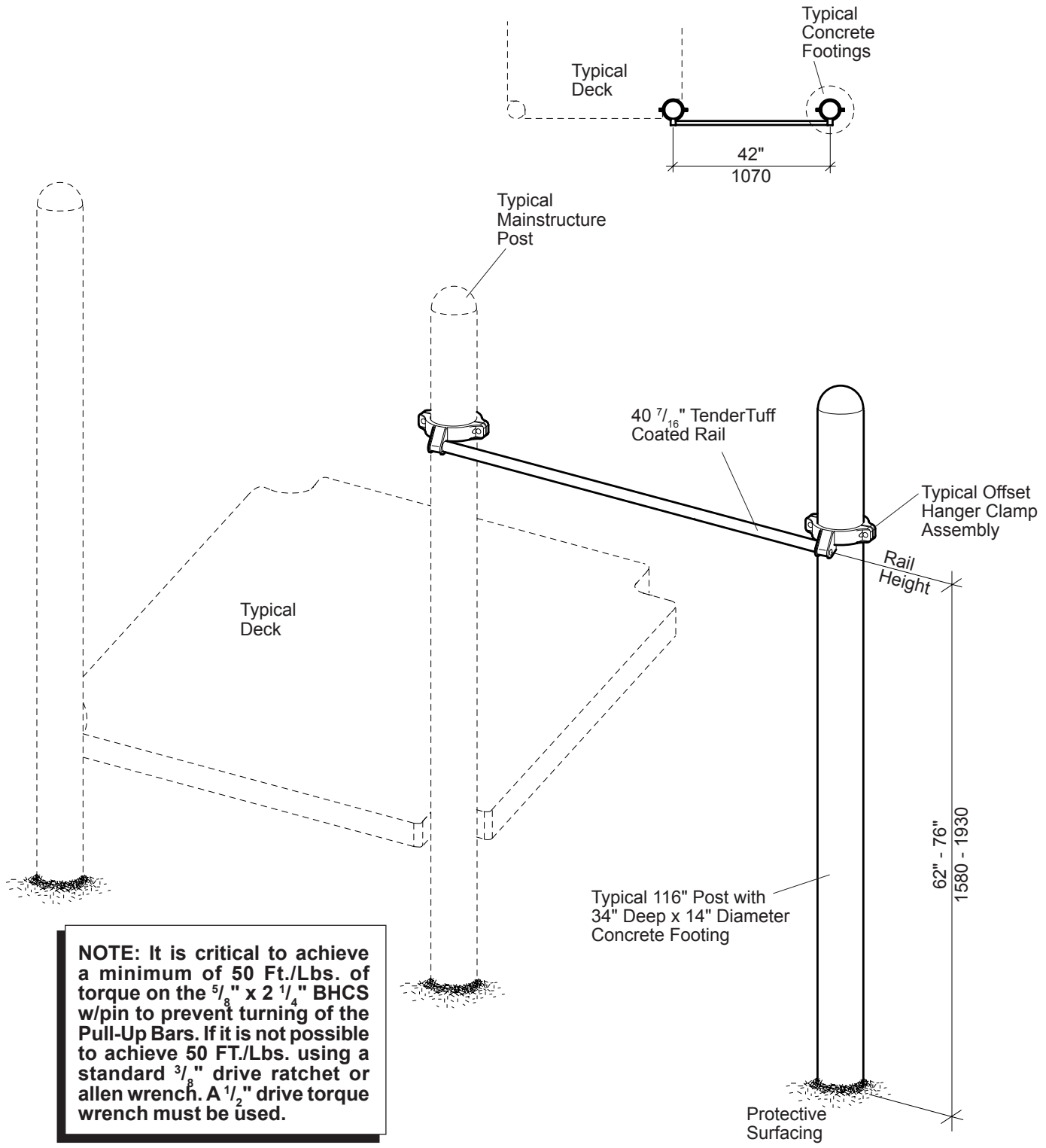
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

10996100



NOTE: It is critical to achieve a minimum of 50 Ft./Lbs. of torque on the 5/8" x 2 1/4" BHCS w/pin to prevent turning of the Pull-Up Bars. If it is not possible to achieve 50 FT./Lbs. using a standard 3/8" drive ratchet or allen wrench. A 1/2" drive torque wrench must be used.

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111357 Chinning Bar

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PlayBooster® 111357 Chinning Bar

Parts List

Part#	Description	Qty.
107694	116" Aluminum Post, DB, Specify Color	1
107628	94" Aluminum Post, 12" SM, Specify Color	1
107623	84" Aluminum Post, 2" SM, Specify Color	1
107520	116" Steel Post, DB, Specify Color	1
107470	84" Steel Post, 2" SM, Specify Color	1
107473	94" Steel Post, 12" SM, Specify Color	1
108569	40 7/16" TenderTuff Rail, Specify Color	1
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, SST	2
100351	3/8" Tee Nut, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2

Specifications

Rail: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel 5/8" threaded inserts. Finish: TenderTuff™, color specified.

Post: See PlayBooster® (PB) General Specifications.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/2 man hours
Concrete Req.: Approx. 1.6 cu. ft.
Area Req.: 6' (1,83 m) minimum use zone
Weight: 41 lbs. Aluminum DB
38 lbs. Aluminum SM
68 lbs. Steel SM
80 lbs. Steel DB

Installation Instructions

1) Dig footing hole spaced as shown. Refer to the Typical Concrete Footing Detail sheet.

2) Set 92" post in footing hole and attach 40 7/16" rail assembly to post at height shown using offset hanger clamp. Refer to the Typical Offset Hanger Clamp Assembly Spec sheet. **NOTE:** *It is critical to achieve a minimum of 50 Ft./Lbs. of torque on the 5/8" x 2 1/4" BHCS w/pin to prevent turning of the Pull-Up Bars. If it is not possible to achieve 50 FT./Lbs. using a standard 3/8" drive ratchet or allen wrench. A 1/2" drive torque wrench must be used.*

3) Temporarily brace post in plumb position and level rail. Pour concrete footing.

4) Install drive rivets in all clamps. Refer to the Typical Offset Hanger Clamp Assembly sheet.

5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco # 0100536 Document #21611300 replaces #14657400. Added Posts.

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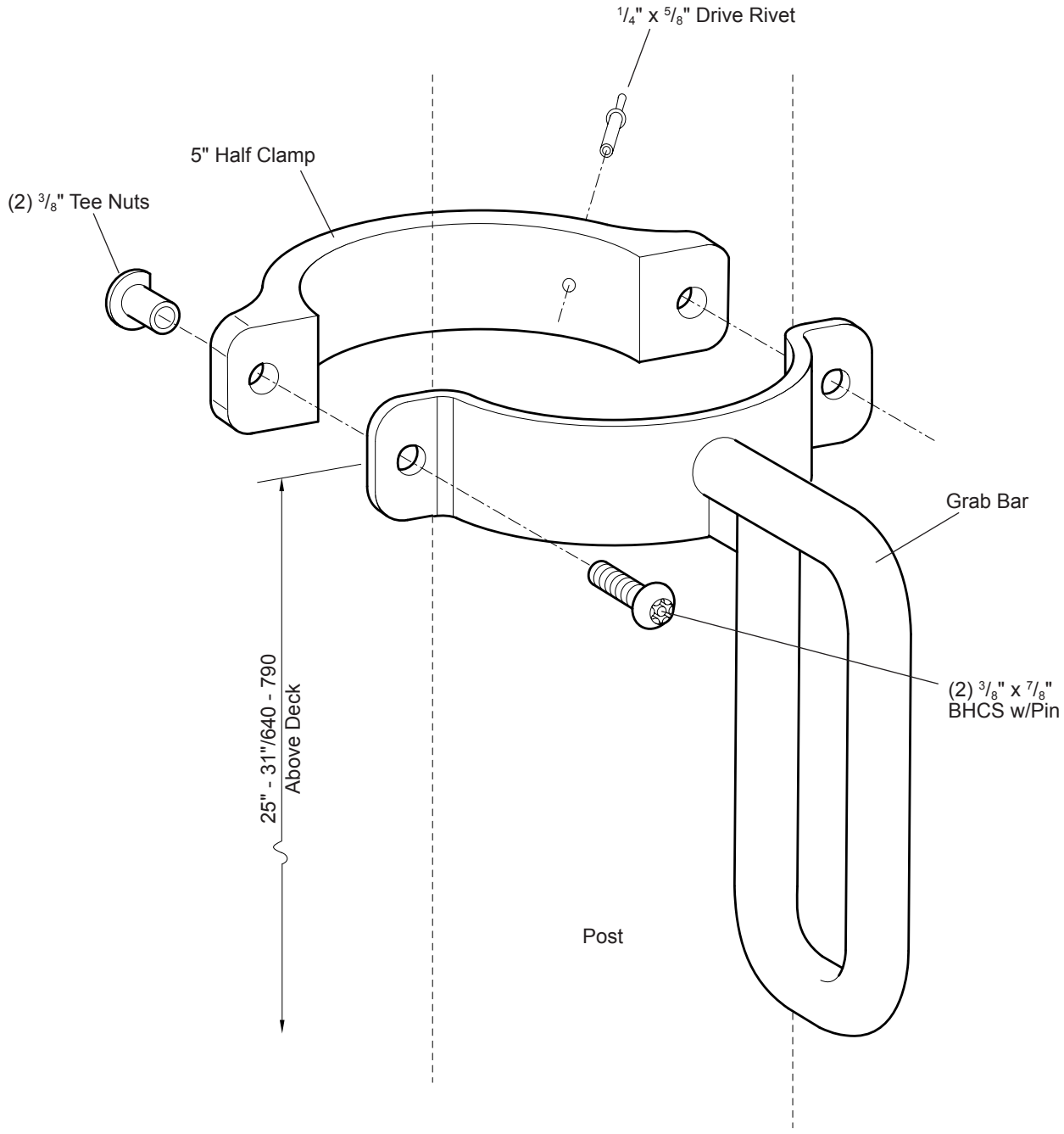
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

12125200



120901 Grab Bar

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PlayBooster® 120901 Grab Bar

Parts List

Part#	Description	Qty.
105327	5" Half Clamp, Specify Color	1
141541	Grab Bar, Specify Color	1
106518	**Grab Bar Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	1

Specifications

Grab Bar: Weldment comprised of formed 7/8" O.D. 11 GA (.120") and 1/4" x 1 3/4" stainless steel half clamp. Finish: TenderTuff™, color specified.

Half Clamp: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1/4 man hour

Weight: 5 lbs.

Installation Instructions

1) Attach grab bar to post at height shown, using a 5" half clamp, 3/8" x 7/8" BHCS w/pin and 3/8" tee nuts.

2) Install 1/4" x 5/8" drive rivet in 5" half clamp. Refer to the Offset Hanger Clamp Spec Sheet.

3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO #51463 Document #14161500 replaces #13549700. Changed Grab Bar half clamp to stainless steel.

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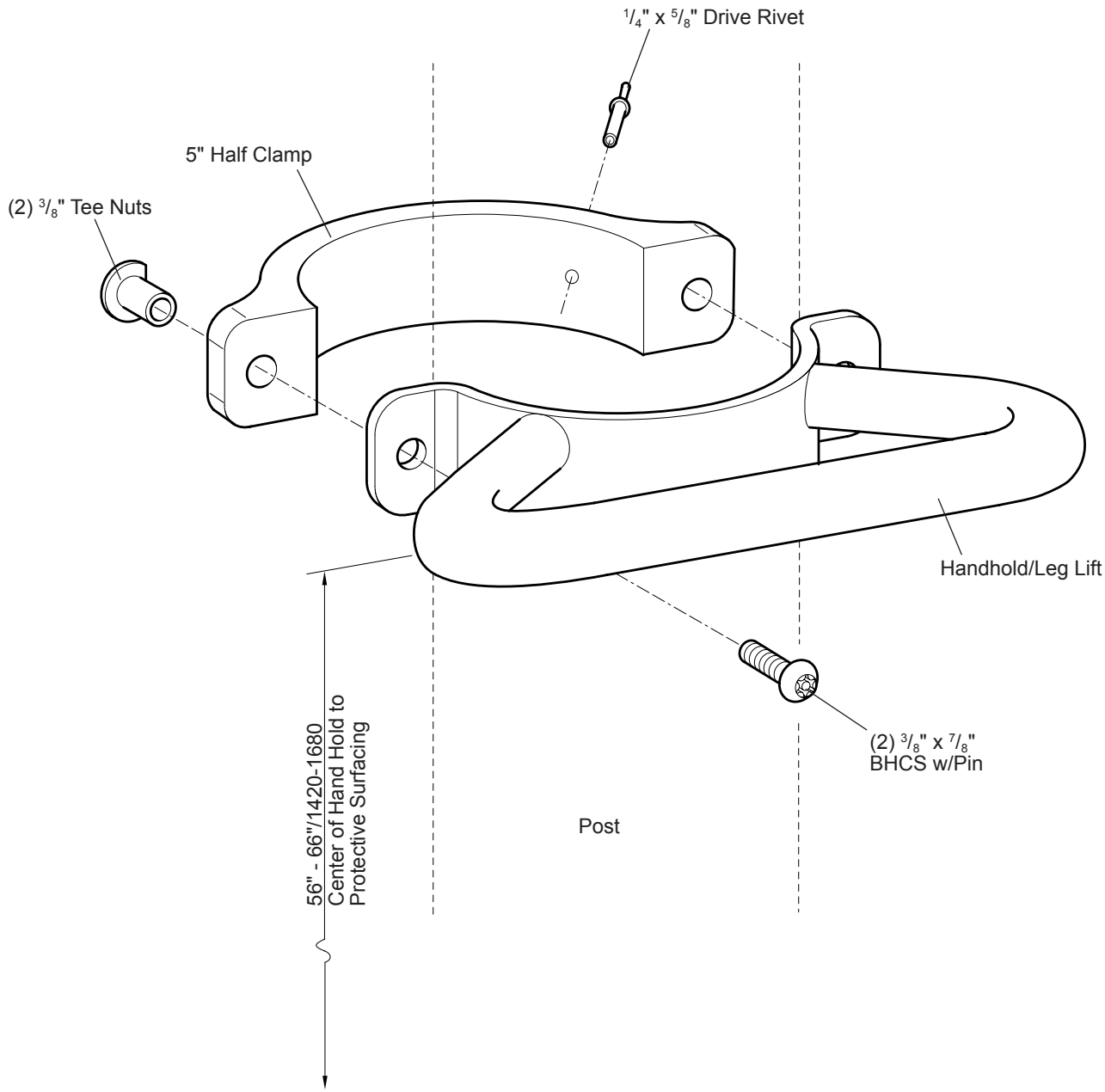
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

12102200



PlayBooster®

120902 Handhold/ Leg Lift

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PlayBooster® 120902 Handhold/Leg Lift

Parts List

Part#	Description	Qty.
105327	5" Half Clamp, Specify Color	1
138029	Handhold/Leg Lift, Specify Color	1
106518	**Hand Hold Hardware Package**	1
100196	$^3/_8$" x $^7/_8$" BHCS w/Pin, SST	2
100351	$^3/_8$" Tee Nut, SST	2
100610	$^1/_4$" x $^5/_8$" Drive Rivet, AL/SST	1

Specifications

Half Clamp: Cast aluminum. Finish: ProShield®, color specified.

Hand Hold: Weldment comprised of formed $^7/_8$" O.D. 11 GA (.120") and $^1/_4$" x 1 $^3/_4$" stainless steel half clamps. Finish: TenderTuff™, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. $^1/_4$ man hour

Weight: 4 lbs.

Installation Instructions

1) Attach handhold/leglift to post at height shown, using a 5" half clamp, $^3/_8$" x $^7/_8$" BHCS w/pin and $^3/_8$" tee nuts.

2) Install $^1/_4$" x $^5/_8$" drive rivet in 5" half clamp. Refer to the Offset Hanger Clamp Spec Sheet.

3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #51073 Document #13859500 replaces #13549800. Changed hand hold half clamp to stainless steel.
Eco #54828 Removed the color brown from handhold/leg lift and added color specified to description.

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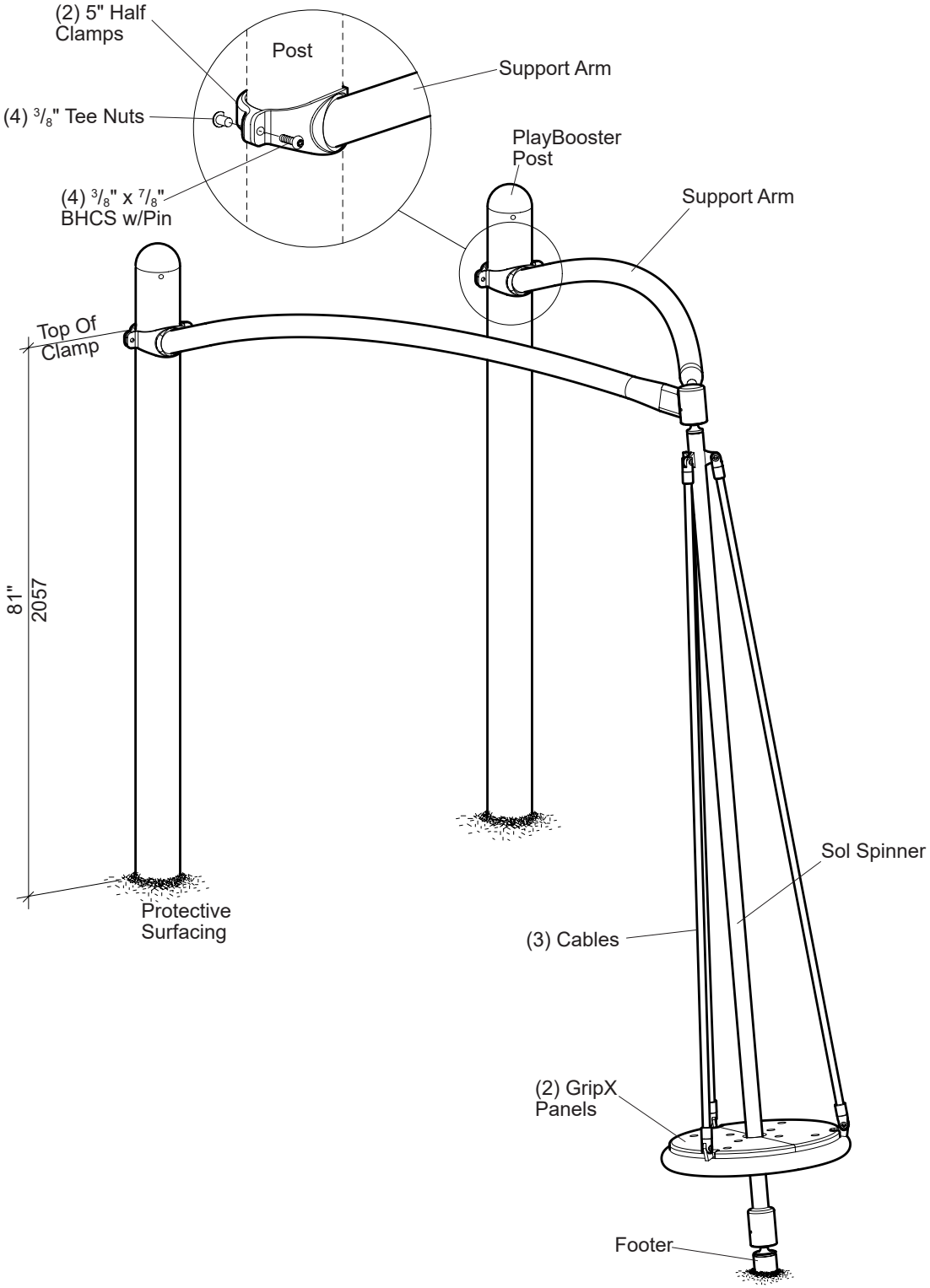
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL



PlayBooster® 193174 Sol™ Spinner

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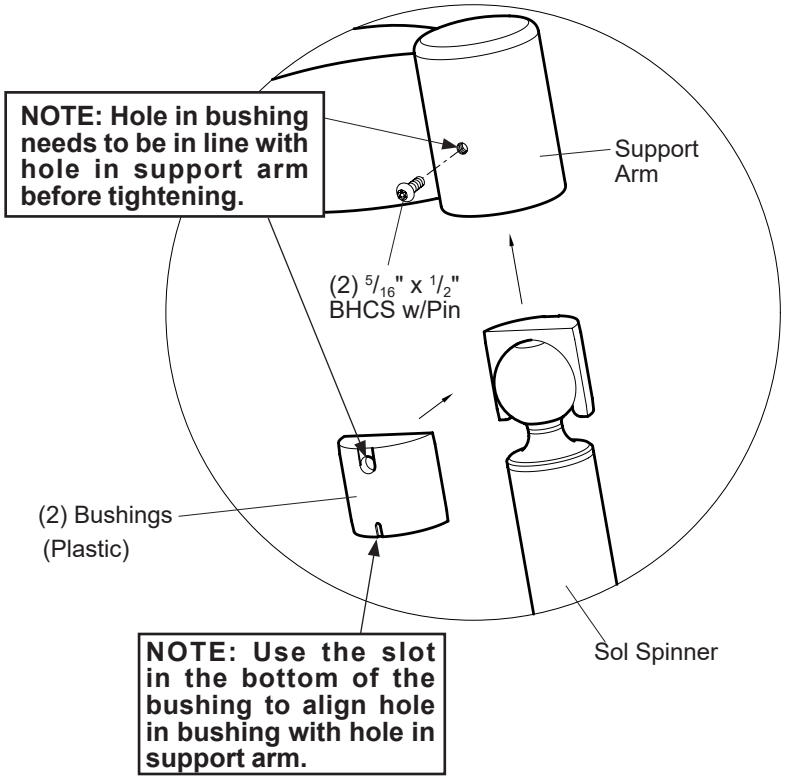
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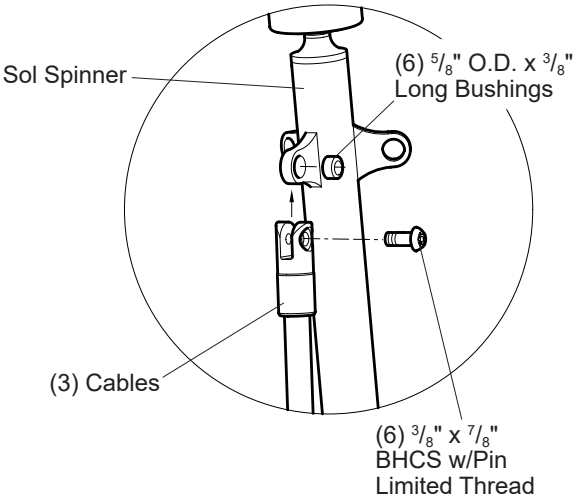
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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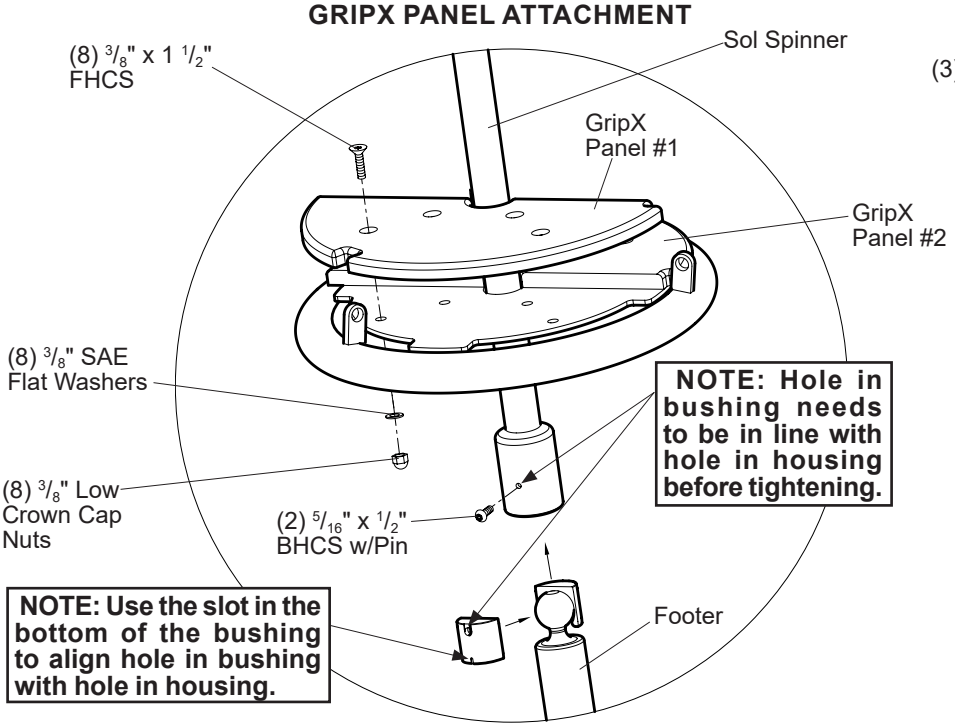
DETAIL
SOL SPINNER ASSEMBLY



DETAIL
CABLE ATTACHMENT



DETAIL
GRIPX PANEL ATTACHMENT



PlayBooster®

193174 Sol™ Spinner

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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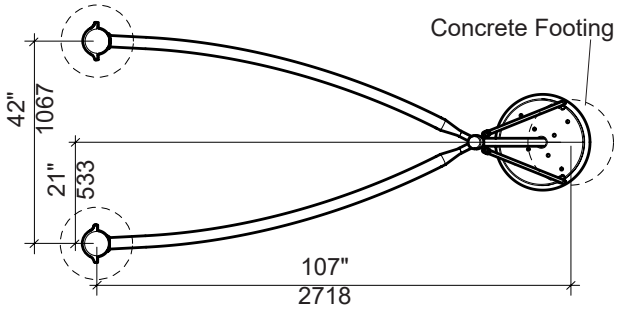
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SAFETY NOTE

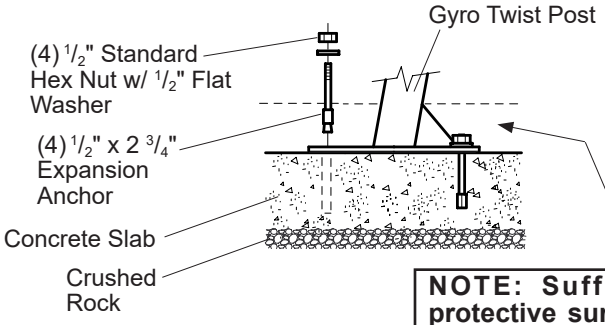
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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PLAN VIEW/FOOTING LAYOUT

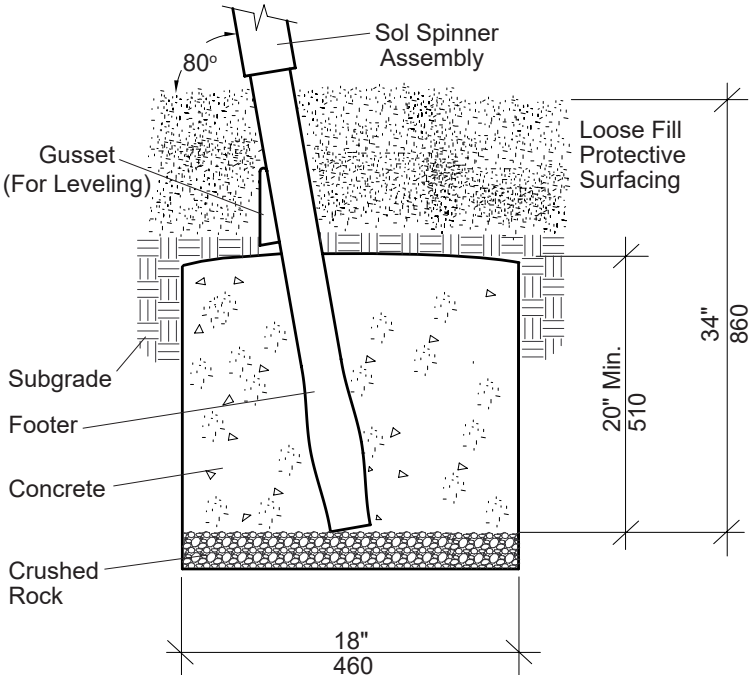


DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DETAIL
FOOTER ATTACHMENT



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PlayBooster® 193174 Sol™ Spinner

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
157092	Footer, (DB), Specify Color	1
160514	Gyro Twist Post, (SM), Specify Color	1
186027	Spinner UHMW Bushing	4
194601	Sol Spinner, Specify Color	1
211278	GripX Panel #1, Black	1
211279	GripX Panel #2, Black	1
195050	Cable, Specify Color	3
195055	Support Arm, Specify Color	1
203431	**Sol Spinner Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
151421	3/8" x 1 1/2" FHCS, SST	8
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	6
100349	3/8" Low Crown Cap Nut, SST	8
100351	3/8" T-Nuts, SST	4
100365	3/8" SAE Flat Washer, SST	8
127179	5/8" O.D. x 3/8" Bushing, SST	6
131849	5/16" x 1/2" BHCS w/Pin, SST	4
121348	**4-Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchor	4
100322	1/2" Standard Hex Nut, SST	4
100363	1/2" Flat Washer, SST	4

DB = Direct Bury
SM = Surface Mount

Specifications

Support Arm: Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130"-.140")(3,30 mm - 3,56 mm) wall galvanized steel tube, 2.750" (69,85 mm) O.D. 1018 steel, and 1/4" (6,35 mm) HRPO flat steel. Finish: ProShield®, color specified.

Cable Assembly: **(Cable)** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6063-T6 aluminum.

Sol Spinner: Weldment comprised of 1.900" (48,26 mm) O.D. RS20 (.090"-.100")(2,29 mm-2,54 mm) wall galvanized steel tube, 1.660" (42,16 mm) O.D. RS40 (.111"-.121")(2,82 mm-3,07 mm) wall galvanized steel tube, 1/4" (6,35 mm) HRPO steel plate, 3/8" (9,53 mm) stainless steel plate, 2.750" (69,85 mm) O.D. 1018 steel, and 1 7/8" (47,63 mm) steel ball. Finish: ProShield, color specified.

GripX Panels: Permalene®, black in color.

Bushing: Oil-filled UHMW PE.

Footer: Weldment comprised of 2.375" (60,33 mm) O.D. RS40 (.130"-.140")(3,30 mm - 3,56 mm) wall galvanized steel tube, 12 Ga. (.105") (2,67 mm) HR flat steel and 1 7/8" (47,63 mm) steel ball. Finish: ProShield, color specified.

Clamps: Cast Aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Specifications are subject to change without notice.

Installation Time: **(DB)** Approx. 3 man hours
(SM) Approx. 2 3/4 man hours
Min. Use Zone: 6' (1,83 m) minimum use zone
Concrete Req.: **(DB)** Approx. 2.94 cu. ft.
Weight: **(DB)** 128 lbs.
(SM) 126 lbs.
Fall Height: 17" (432 mm)

Installation Instructions

1) **(Direct Bury)** Refer to the Site Plan for Plan View Footing Layout.

2) Attach GripX panels to Sol Spinner. Refer to the GripX Panel Attachment Detail.

3) Attach support arm to posts at height shown. Refer to Detail.

4) Place a bushing on each side of the footers 1 7/8" ball, as shown. Insert footer with bushings into Sol Spinner. Align holes in bushings with holes in housing. When holes are aligned, insert 5/16" x 1/2" BHCS w/ pin. Refer to the GripX Panel Attachment Detail. **NOTE:** *Use the slot in the bottom of the bushing to align holes.*

5) Place a bushing on each side of the Sol Spinners 1 7/8" ball, as shown. Insert Sol Spinner with bushings into support arm. Align holes in bushings with holes in housing. When holes are aligned, insert 5/16" x 1/2" BHCS w/pin. Refer to the Sol Spinner Assembly Detail. **NOTE:** *Use the slot in the bottom of the bushing to align holes.*

6) Attach cables to Sol Spinner using 5/8" O.D. bushings and 3/8" x 7/8" BHCS limited thread bolts w/pin. Refer to the Cable Attachment Detail.

7) **(Direct Bury)** Place a level on the footer gusset, when gusset and 5" posts are plumb, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on structure. **NOTE**: *Sol Spinner assembly will have to be propped in position, until concrete has cured.*

   (Surface Mount) Drill 1/2" x 3" deep holes through gyro twist post plate using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Fasten gyro twist post to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

8) Install 1/4" x 5/8" drive rivets in 5" half clamps. Drill through hole in half clamps and into 5" post with a 1/4" or "F" (only) drill bit, insert rivet in hole and hammer rivet pin in until it is flush with head.

9) Install protective surfacing before users are allowed to play on the structure.

Eco #0100534 Document 21606500 replaces 21130700.Update Alum Vs UHMW Bushing
12/15/2020 Added specify to cable parts.

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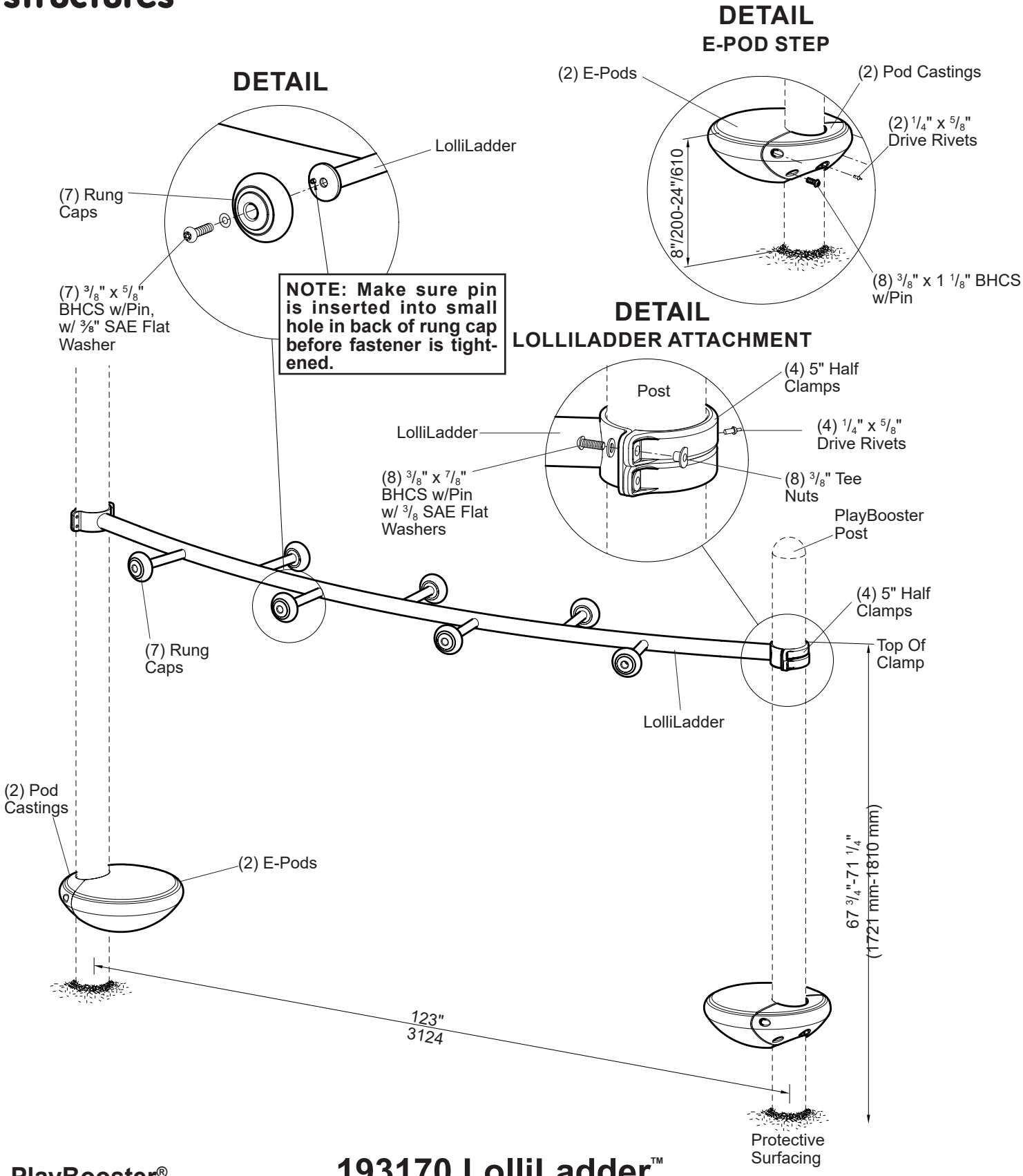
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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193170 LolliLadder™

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PlayBooster® 193170 LolliLadder™

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	4
182262	Rung Cap, Black	7
190760	LolliLadder, Specify Color	1
154461	E-Pod, Specify Color	2
156806	Pod Casting, Specify Color	2
249515	**LolliLadder Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	8
100195	3/8" x 5/8" BHCS w/Pin, SST	7
100351	3/8" Tee Nut w/Pin, SST	8
100365	3/8" SAE Flat Washer, SST	15
156968	**Pod Hardware Package**	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100610	1/4" x 5/8" Drive Rivet, AL/SST	2

Specifications

LolliLadder: Weldment comprised of 1/4" (6,35 mm) stainless flat steel, 2.375" (60,33 mm) O.D. RS40 (.130"-.140") (3,30 mm-3,55 mm) wall galvanized steel tubing, and 1.315" (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm-2,29 mm) wall galvanized tubing. Finish: ProShield®, color specified.. Finish: ProShield, color specified.

Rung Cap: EPDM, black in color.

E-Pod: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Pod Casting: Fabricated from sand cast alloy 356 in accordance with ASTM B26. Finish: ProShield®, color specified.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 1/4 man hours
Weight: 81 lbs.
Max. Fall Height: 69" -72" (1,75 m-1,82 m)

Installation Instructions

1) **(Direct Bury) Refer to the Site Plan for footing locations.**

2) Attach rung caps to LolliLadder. Refer to Detail. **NOTE:** *Make sure pin is inserted into small hole in back of rung cap before fastener is tightened.*

3) Attach LolliLadder to posts at height shown. Refer to LolliLadder Attachment Detail.

4) Attach e-pods and pod castings to post as shown, using 3/8" x 1 1/8" BHCS w/pin. Refer to E-Pod Step Detail.

5) Drill through hole in pod casting and into post with a 1/4" or "F" (only) drill bit. Insert 1/4" x 5/8" rivet in hole and hammer rivet pin in until it is flush with head.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Drill through hole in 5" half clamps and into 5" post with a 1/4" or “F” (only) drill bit, insert drive rivet in hole through clamp and into post. Hammer drive rivet pin in until flush with head. Refer to the Typical Offset Hanger Clamp Spec Sheet.

7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0101422 Document 24949000 replaces 22573200. Rung cap and hdw pkg change.

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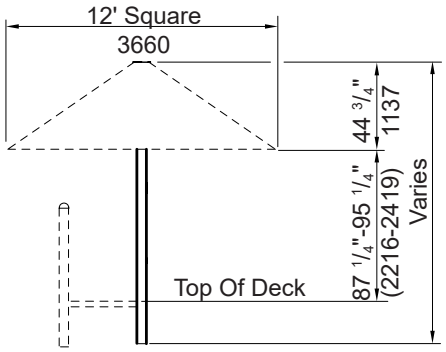
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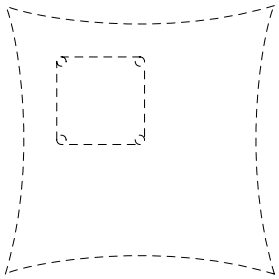
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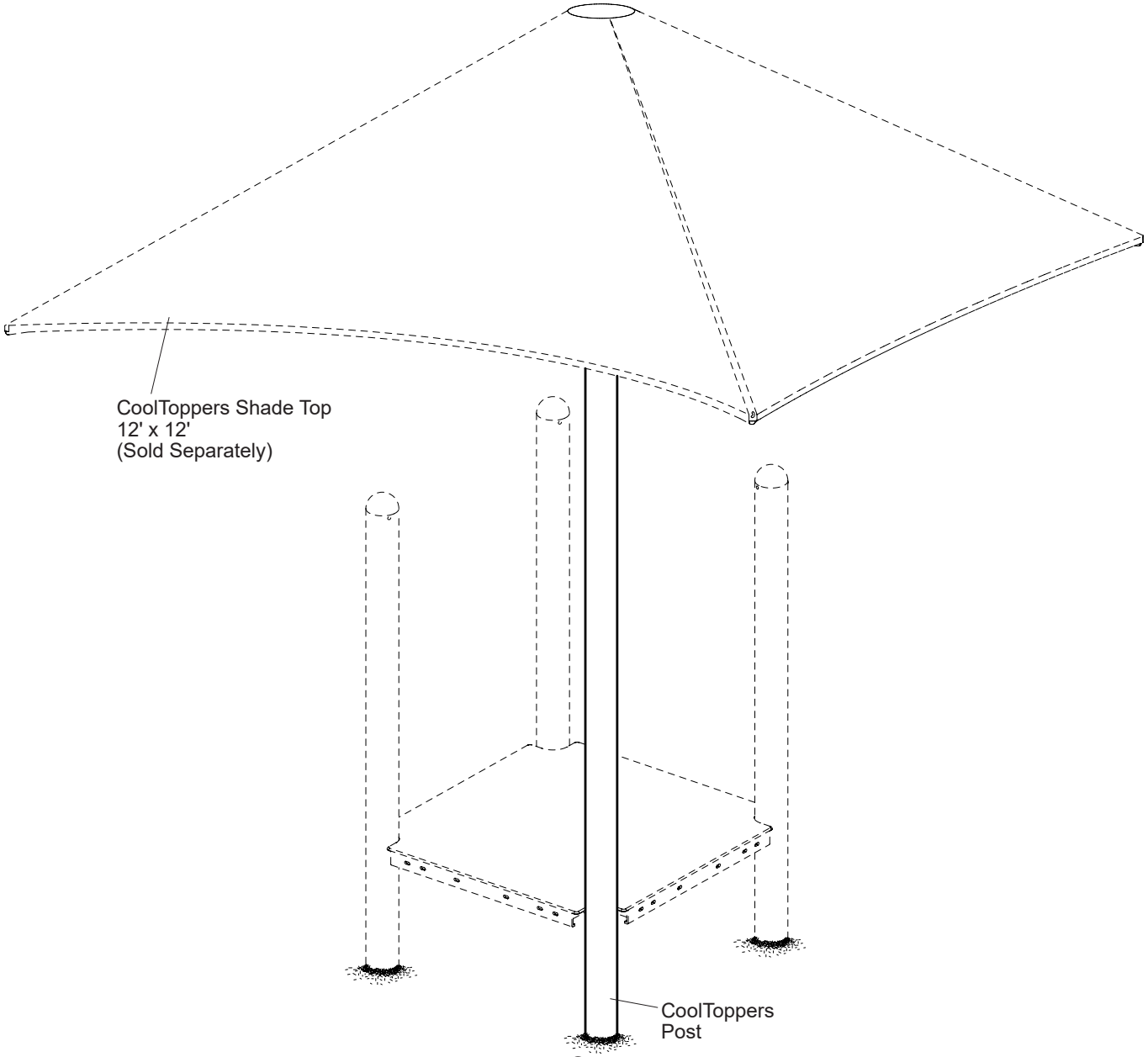
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DETAIL
FRONT VIEW



DETAIL
TOP VIEW





PlayBooster® 154883 CoolToppers® Post For Roofs, Single Post

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PlayBooster® 154883 CoolToppers® Posts For Roofs,
Single Post

Parts List

Part#	Description	Qty.
153697	5" O.D. x 220 1/2" Mast (16"-72"), Specify Color	1
154804	5" O.D. x 200 1/2" Mast (GRD, 8"),Specify Color	1
154046	12" Footer Extension (32"-40"), Specify Color	1
154044	28" Footer Extension (48"-56"), Specify Color	1
154043	44" Footer Extension (64"-96"), Specify Color	1
244382	Middle Post 96" Deck, Specify Color	1
244384	Upper Post Extension 96" Deck, Specify Color	1
155083	**DB Post Extension (32"-96") Hdw. Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100327	3/8" Standard Hex Nut, SST	4
100362	3/8" Flat Washer, SST	8
246727	**Upper Post Extension 96" Deck**	1
113027	3/8" x 1 3/8" BHCS w/Pin, SST	6
136931	3/8" - 16 Hex Nut Nylock	6
100365	3/8" Flat SAE Washer, SST	12

DB=Direct Bury

Specifications

CoolToppers Post: Weldment comprised of 5" O.D. x 7 GA (.179") galvanized steel tubing and 1/4" steel plate. Finish: ProShield, color specified.

Footer Extension: Weldment comprised of 5" O.D. x 11 GA (.120") galvanized steel tubing and 1/4" steel plate. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Upper Post Ext: Weldment comprised of 5" OD x 11 GA (.120") galvanized steel tubing with ¼" steel plate ZP and ⅜" steel plate. Finish: ProShield, color specified.

Middle Post: Weldment comprised of 5" OD x 7 GA (.179") galvanized steel tubing with ¼" steel plate ZP and ⅜" steel plate. Finish: ProShield, color specified.

Installation Time: Post - 2 People Approx. 1 hour
Concrete: 12 cu. ft.
Weight: 172 lbs. (201" Post)
188 lbs. (221" Post)
200 lbs. (233" Post)
211 lbs. (249" Post)
222 lbs. (265" Post)
253 lbs. (301" Post)

Installation Instructions

1) Dig footing hole as shown.

2) **(201" & 221" Post)** Place post in footing hole. With post braced plumb pour concrete footing. **NOTE:** *Allow concrete footing to cure for a minimum of 72 hours before attaching CoolToppers shade top.*

(233", 249" & 265" Post) Attach post extension to CoolToppers post using 3/8" x 1 1/8" BHCS w/pin with 3/8" flat washers and 3/8" standard hex nuts with 3/8" flat washers. Place post in footing hole. With post braced plumb pour concrete footing. **NOTE:** *Allow concrete footing to cure for a minimum of 72 hours before attaching CoolToppers shade top.*

(301" Post) Attach DB post extension to middle post using ⅜" x 1 ⅛" BHCS w/pin with ⅜" flat washers and ⅜" standard hex nuts with ⅜" flat washers. Attach upper post extension to middle post using ⅜" x 1 ⅛" BHCS w/pin with ⅜" SAE flat washers and ⅜" low crown cap nuts with ⅜" SAE flat washers. With post braced plumb pour concrete footing. **NOTE:** *Allow concrete footing to cure for a minimum of 72 hours before attaching CoolTopper Shade top.*

Specifications are subject to change without notice.

ECO 0101995 Document 27895500 replaces 24673000. removed deck heights added post length to bury detail.

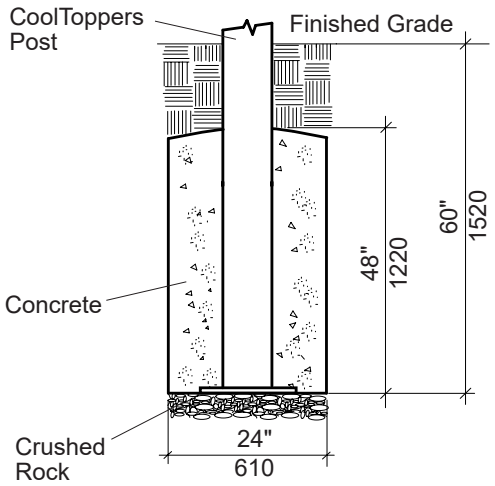
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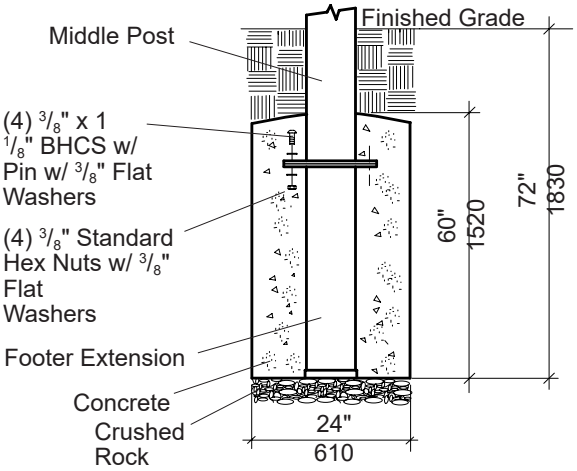
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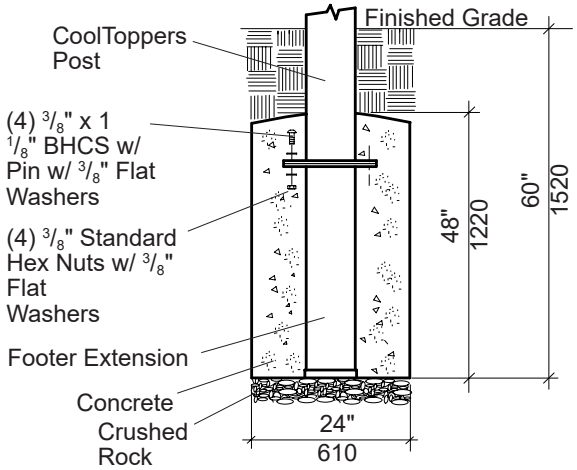
DETAIL
DIRECT BURY
(201" & 221" POST)

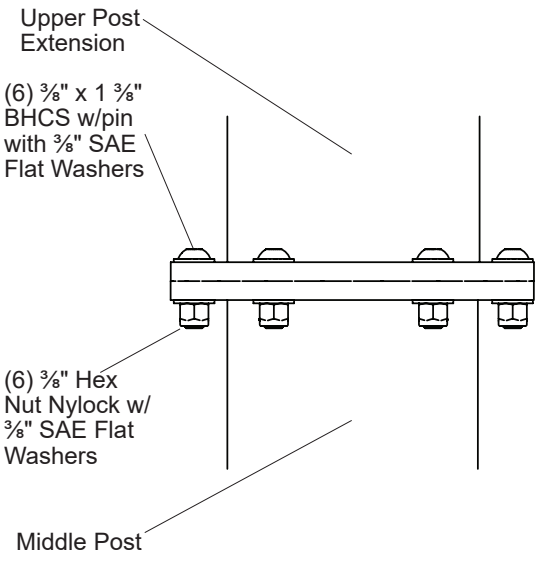


DETAIL
DIRECT BURY
(301" POST)



DETAIL
DIRECT BURY
(233", 249", & 265" POST)





PlayBooster® 154883 CoolToppers® Post For Roofs, Single Post

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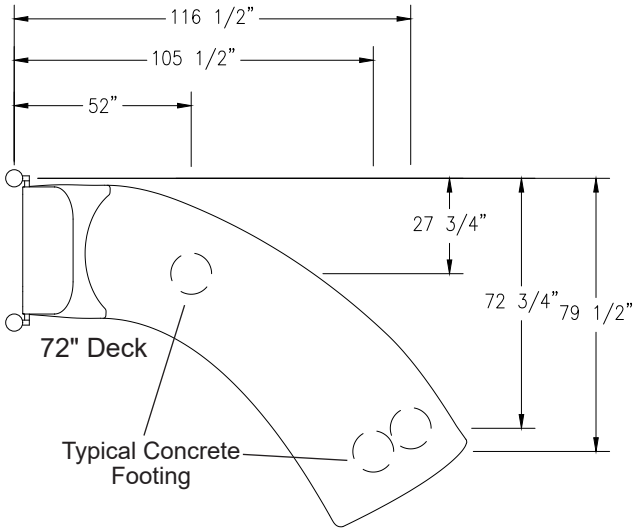
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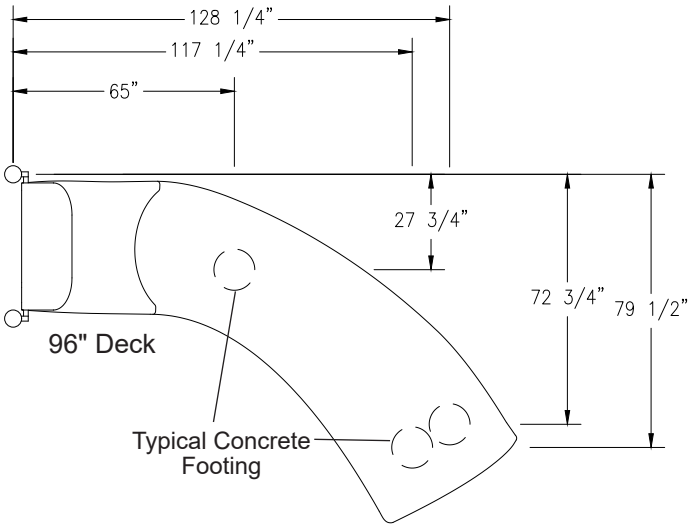
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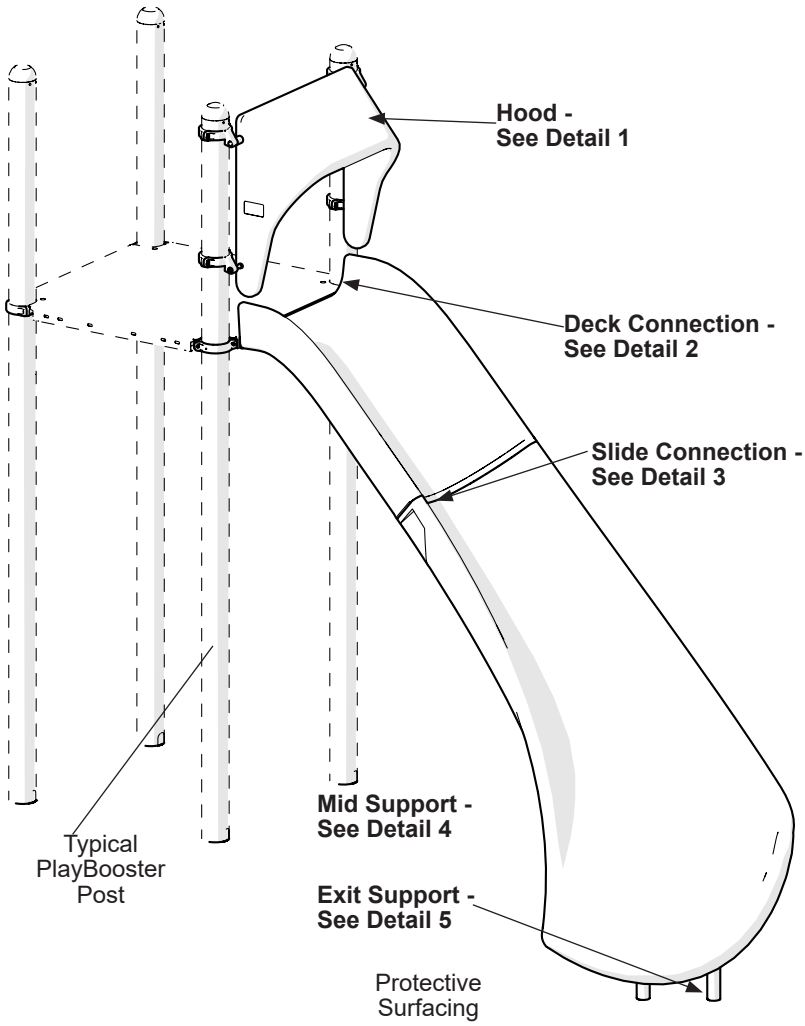
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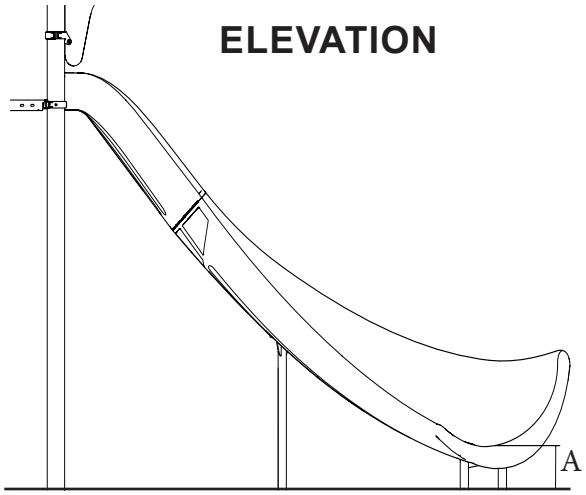
PLAN VIEW/FOOTING LAYOUT







ELEVATION



Dimensions for A

72" Deck	10 ¾"
80" Deck	13 ¼"
88" Deck	11 ¼"
96" Deck	14 ½"

PlayBooster® 271761 Alpine Slide, 72" & 96"

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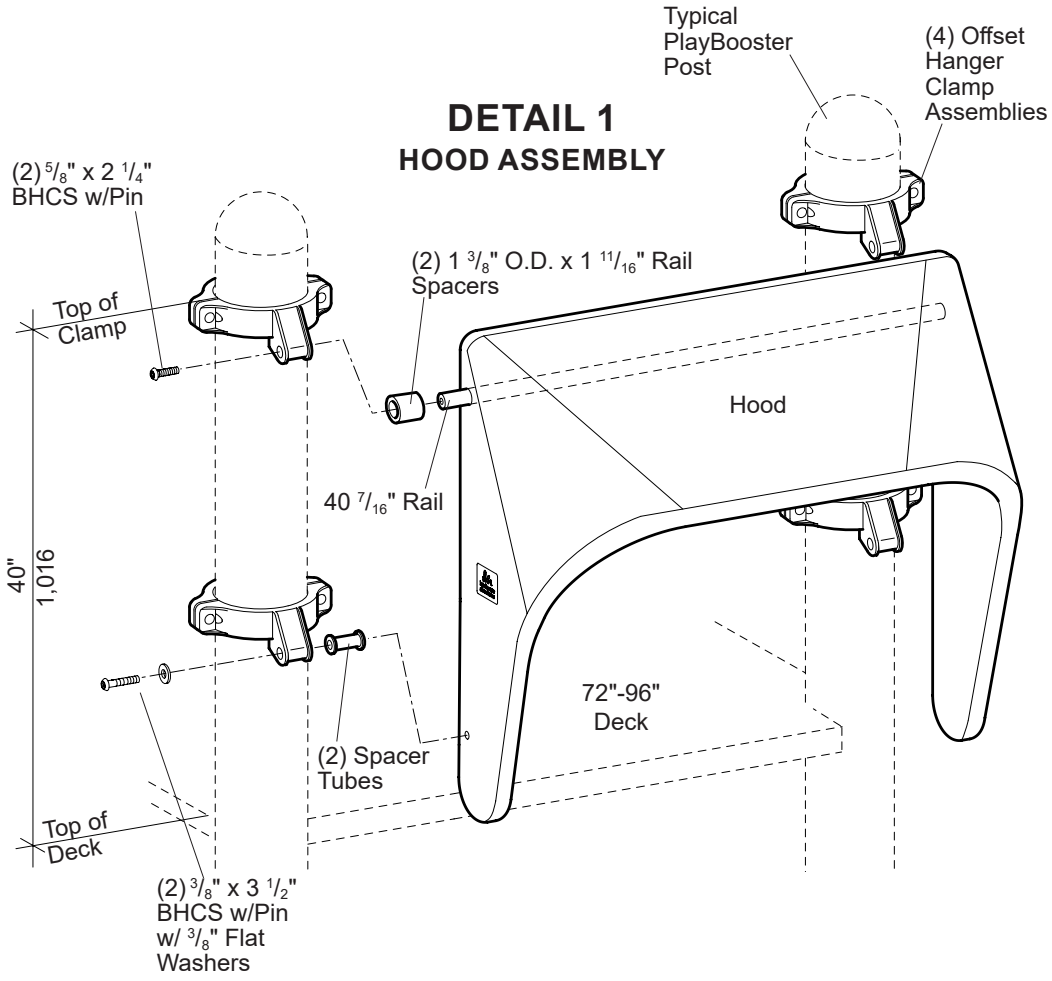
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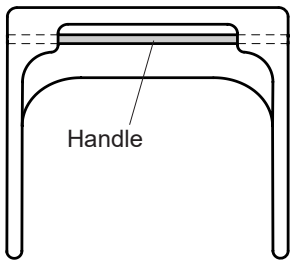
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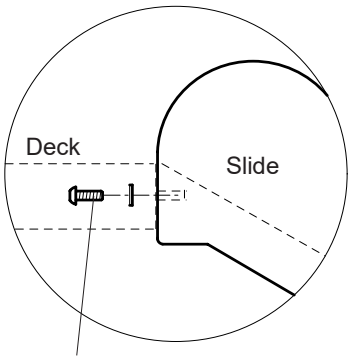
DETAIL 1
HOOD ASSEMBLY



HOOD - HANDLE DETAIL



DETAIL 2
DECK CONNECTION



(4) 3/8" x 1 1/8" BHCS w/ Pin w/ (4) 3/8" Flat Washers

PlayBooster® 271761 Alpine Slide, 72" & 96"

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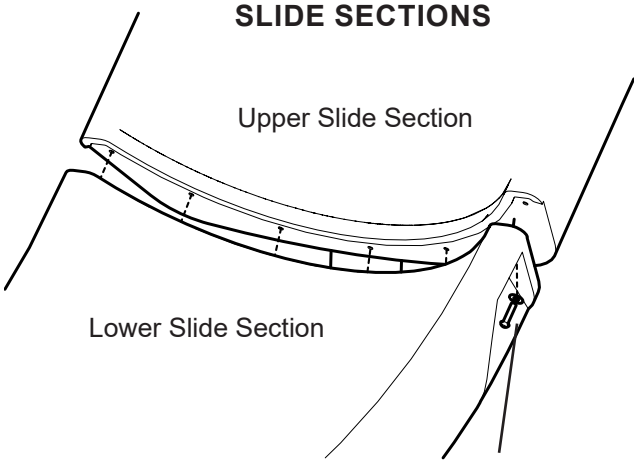
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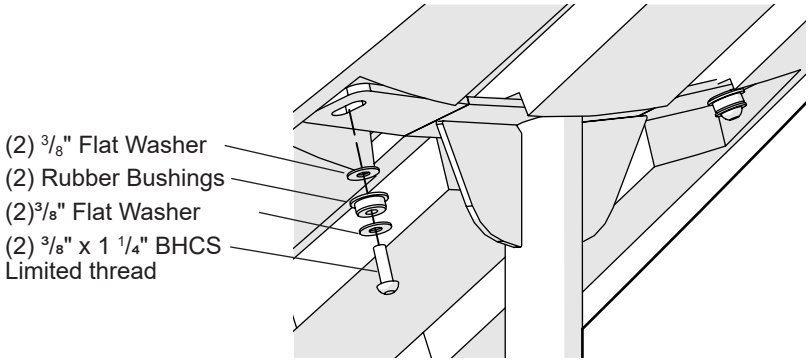
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DETAIL 3
SLIDE SECTIONS



DETAIL 4
MID SUPPORT

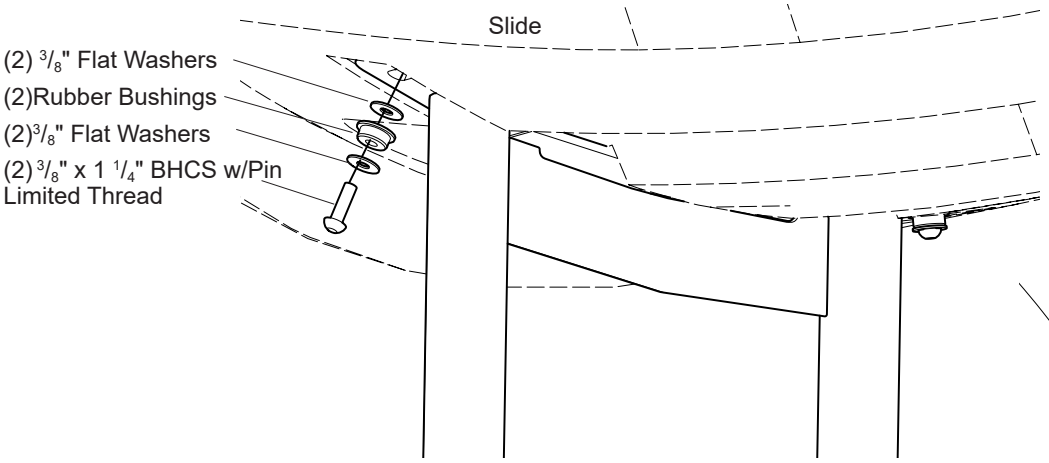


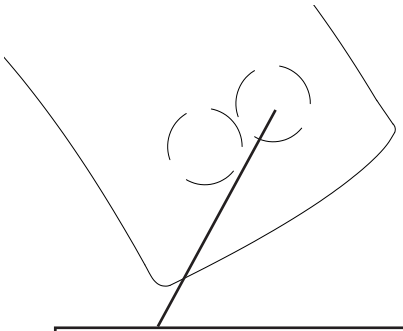
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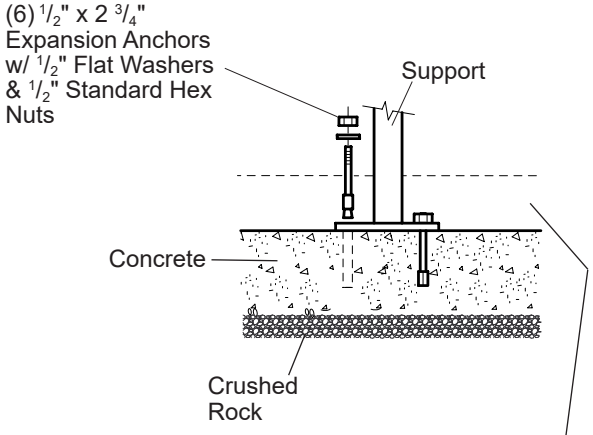
DETAIL 5
EXIT SUPPORT





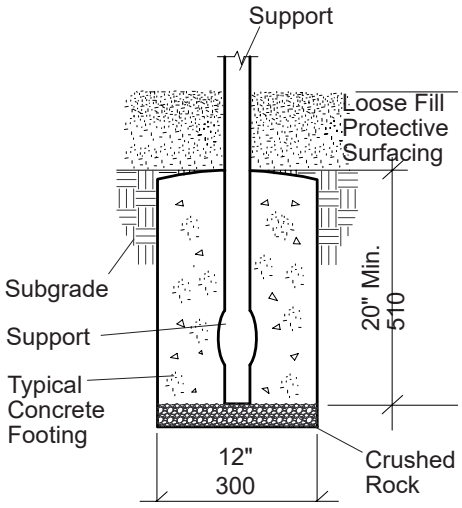
NOTE: When looking top down at the slide it is important the longer support goes in this location.

DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DETAIL
DIRECT BURY



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PlayBooster® 271761 Alpine™ Slide, 72" & 96"

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Parts List

Part#	Description	Qty.
264337	Alpine Slide Upper 96" PB, Specify Color	1
266289	Alpine Slide Upper 72" PB, Specify Color	1
264335	Alpine Slide Lower, Specify Color	1
264338	Alpine Slide Exit Support DB, Specify Color	1
264339	Alpine Slide Mid Support DB, Specify Color	1
273409	Alpine Slide Exit Support SM, Specify Color	1
273410	Alpine Slide Mid Support SM, Specify Color	1
100583	PBolt 40 7⁄16" AL PNT, Specify Color	1
105327	Clamp Half 5" AL, Specify Color	4
113729	Clamp Offset 5" Rail Hanger, Specify Color	4
131987	Hood Double Slide 34" x 37", Specify Color	1
132443	Tube 1 3⁄8" OD x 1 11⁄16" PNT, Specify Color	2
113468	Tube 7⁄8" OD x 1 11⁄16" AL/PNT, Specify Color	2
272044	**Alpine Slide Hardware Package**	1
100198	BHCS 3⁄8" x 1 1⁄8", SST	4
100292	BHCS 3⁄8" x 1 1⁄4", SST	4
100362	Washer Flat 3⁄8", SST	19
111442	Rubber Bushing	4
123224	BHCS 3⁄8" x 1 11⁄16", SST	7
106577	**Slide Hood Hardware Package**	1
100198	BHCS 3⁄8" x 1 1⁄8", SST	8
100200	BHCS 3⁄8" x 3 1⁄2", SST	2
100203	BHCS 5⁄8" x 2 1⁄4", SST	2
100351	Nut Mod-T 3⁄8" x 16, SST	8
100362	Flat Washer 3⁄8", SST	2
100610	Drive Rivet 1⁄4" x 5⁄8"	4
271966	**Hardware Package 6 Hole SM**	1
100266	Expansion Anchor 1⁄2" x 2 3⁄4" ZP	6
100266	Hex Nut 1⁄2" x 13, SST	6
100266	Flat Washer 1⁄2",SST	6

DB = Direct Bury
SM = Surface Mount

Specifications

Clamp: Cast aluminum. Finish: ProShield, Color Specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Exit Support: Weldment comprised of 2.375" (60,32 mm) O.D. x .120" (3,04 mm) black steel tubing and 1/4" (6,35 mm) x 3" (76,2 mm)mounting plate. Finish: ProShield, Color Specified.

Spacer Tube: Fabricated from 1.312 (33,33 mm) O.D. x 16 Ga. (.065) (1,65 mm) steel tubing. Finish: ProShield, Color Specified.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rail: Extruded from 1.125" (28,57 mm) O.D. x .312" (7,92 mm)W. 6005-T5 aluminum. Finish: ProShield, Color Specified.

Specifications are subject to change without notice.

Installation Time: Approx. 4.5 man hours

Concrete Req.: Approx. 4 cu. ft.

Area Req.: 72" Deck 6' (1,82 m) minimum use zone at exit
96" Deck 8' (2,44 m) minimum use zone at exit

Weight: 72" Deck DB 268 lbs.
72" Deck SM 245 lbs.
96" Deck DB 297 lbs.

Fall Height: 72" Deck (1,02 m)
96" Deck (1,22 m)

Installation Instructions

1) **(Direct Bury)** Dig footings spaced as shown.

2) Insert 40 7/16" rail through top of hood, place rail spacer tube on each end of the 40 7/16" rail and attach to posts at height shown using offset hanger clamp assemblies. Refer to the Typical Offset Hanger Clamp Spec Sheet. Fasten bottom of hood to clamps using 3/8" x 3 1/2" BHCS w/pin, 3/8" flat washers and spacer tubes. Refer to Detail 1.

3) Attach supports to base of slide using 3/8" x 1 1/4" BHCS w/Pin limited thread bolts, 3/8" SAE flat washers, rubber bushings and 3/8" flat washers. Refer to Detail 3. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not over-tighten!*

4) Attach upper slide section to lower slide section using 3/8" x 1 11/16" BHCS w/pin and 3/8" flat washers. Refer to Slide Section Detail 3

5) Attach slide to the face of the deck using 3/8" x 1 1/8" BHCS w/ Pin with 3/8" flat washers. Refer To Deck Connection Detail 2.

6) Install 1/4" x 5/8" drive rivets in all 5" half clamps, refer to the Typical Offset Hanger Clamp Spec Sheet.

7) **(Direct Bury)** With supports plumb, pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Mark anchor bolt locations on concrete slab through holes in anchor plate and remove slide. Drill 1/2" x 3" deep holes on marks into concrete using a hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Reposition slide and reattach to the face of the deck following step 4. Fasten anchor plates to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

8) Install protective surfacing before users are allowed to play on the structure.

ECO-0101985 Document 27804000 replaces 27204500. Added elevation view for exit heights.

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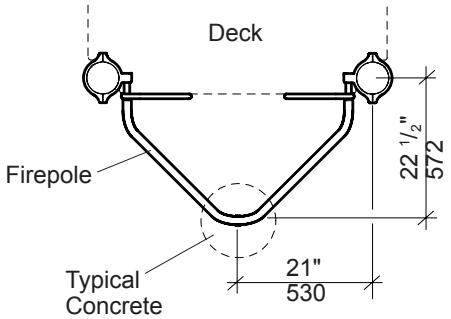
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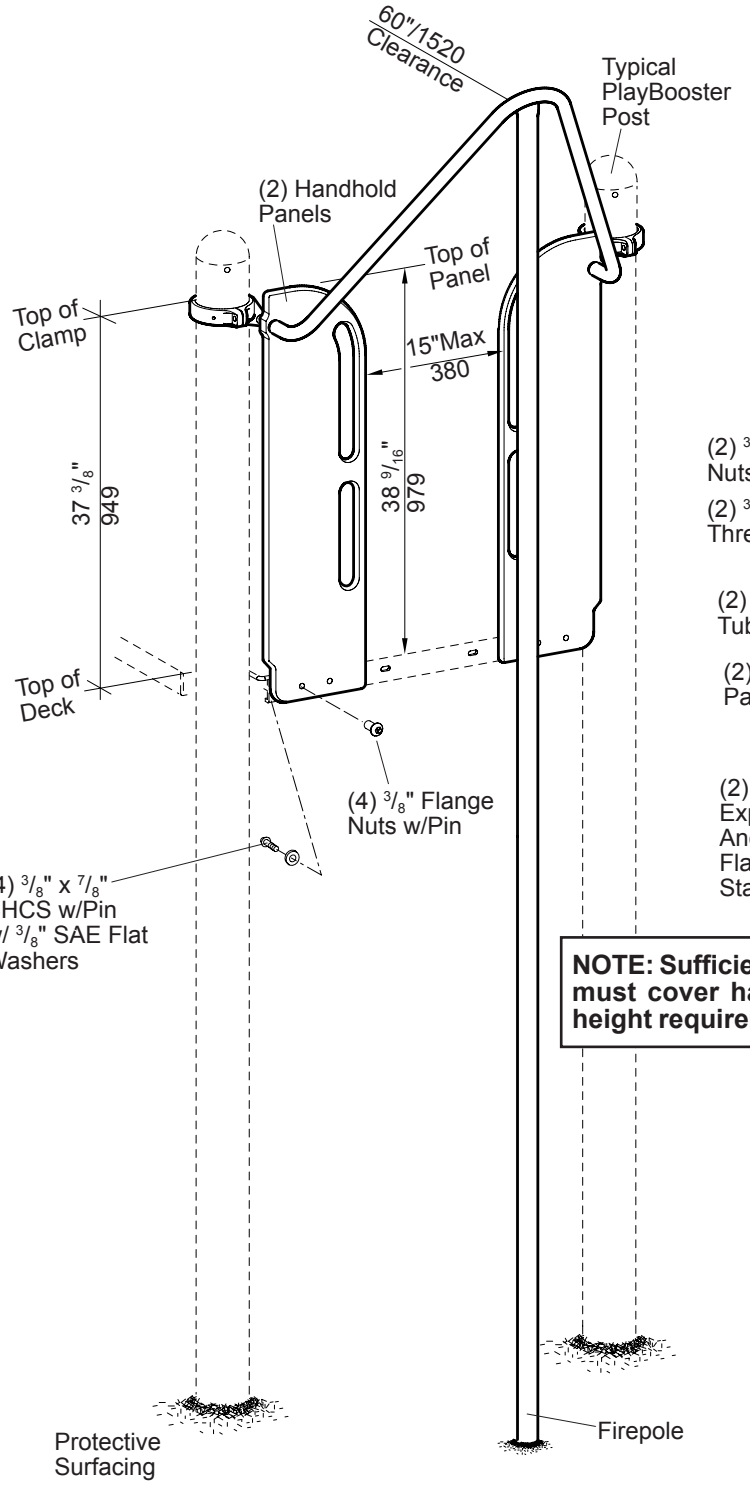
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

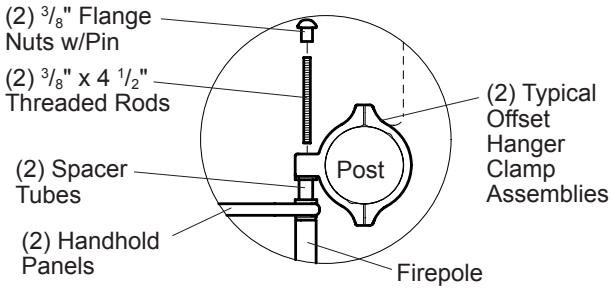
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PLAN VIEW/ FOOTING LAYOUT

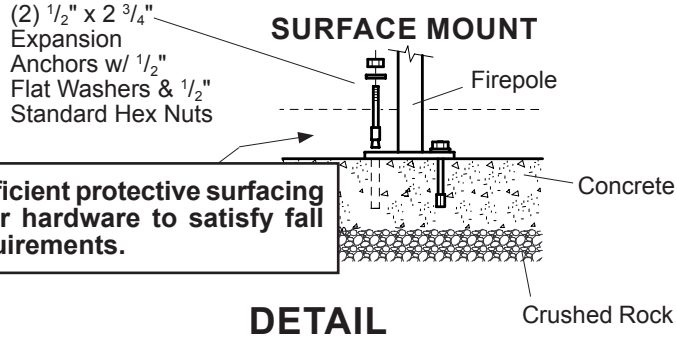




DETAIL
HANDHOLD PANEL ATTACHMENT

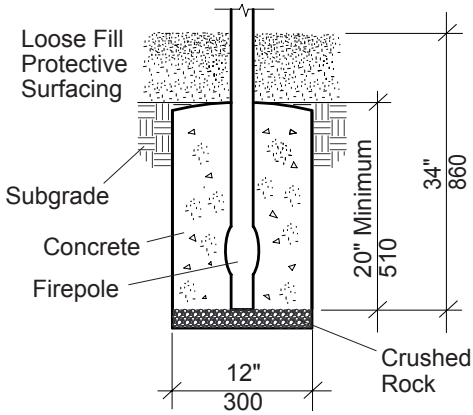


DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DETAIL
DIRECT BURY



72" Deck Height Shown

PlayBooster® 148426 Firepoles, 32"-72" Decks

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PlayBooster® 148426 Firepoles, 32"-72" Decks

Parts List

Part#	Description	Qty.
147954	Handhold Panel, Specify Color	2
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
147956	Firepole, 32" Deck (DB), Specify Color	1
147957	Firepole, 40" Deck (DB), Specify Color	1
147958	Firepole, 48" Deck (DB), Specify Color	1
147959	Firepole, 56" Deck (DB), Specify Color	1
147960	Firepole, 64" Deck (DB), Specify Color	1
147961	Firepole, 72" Deck (DB), Specify Color	1
147962	Firepole, 32" Deck (SM), Specify Color	1
147963	Firepole, 40" Deck (SM), Specify Color	1
147964	Firepole, 48" Deck (SM), Specify Color	1
147965	Firepole, 56" Deck (SM), Specify Color	1
147966	Firepole, 64" Deck (SM), Specify Color	1
147967	Firepole, 72" Deck (SM), Specify Color	1
113468	7/8" O.D. x 1 11/16" Spacer Tube, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
148176	**Pole Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	4
148081	3/8" x 4 1/2" Threaded Rod, SST	2
111392	**2-Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchors	2
100322	1/2" Standard Hex Nut, SST	2
100363	1/2" Flat Washer, SST	2

DB = Direct Bury
SM = Surface Mount

Specifications

Firepole: Weldment comprised of 1.900" O.D. RS20 (.090" - .100") galvanized steel tubing, and 1.315" O.D. RS20 (.080" - .090") galvanized steel tubing. Finish: ProShield®, color specified.

Handhold Panel: Solid color Permalene®, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **SM** - Approx. 1 1/2 man hours
DB - Approx. 2 man hours
Concrete Req.: Approx. 1.3 cu. ft.
Weight: 55 lbs. (32"-48" Deck)
59 lbs. (56"-72" Deck)
Fall Height: Deck Height

Specifications are subject to change without notice.

Installation Instructions

1) **(Direct Bury)** Dig footing hole as shown. Refer to the Plan View/ Footing Layout.

2) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

3) Attach handhold panels to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin.

4) Attach firepole to handhold panels and offset hanger clamps using 3/8" flange nuts w/pin, 3/8" x 4 1/2" threaded rods and spacer tubes. Refer to the Handhold Panel Attachment Detail. **NOTE:** *Turn 3/8" x 4 1/2" threaded rod into 3/8" flange nut w/pin until it bottoms out, before attaching firepole.*

5) **(Direct Bury)** With firepole plumb, pour concrete footing. Allow concrete footing to cure a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Drill 1/2" x 3" deep holes through support plate using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Fasten support plates to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

6) Install protective surfacing before users are allowed to play on the structure.

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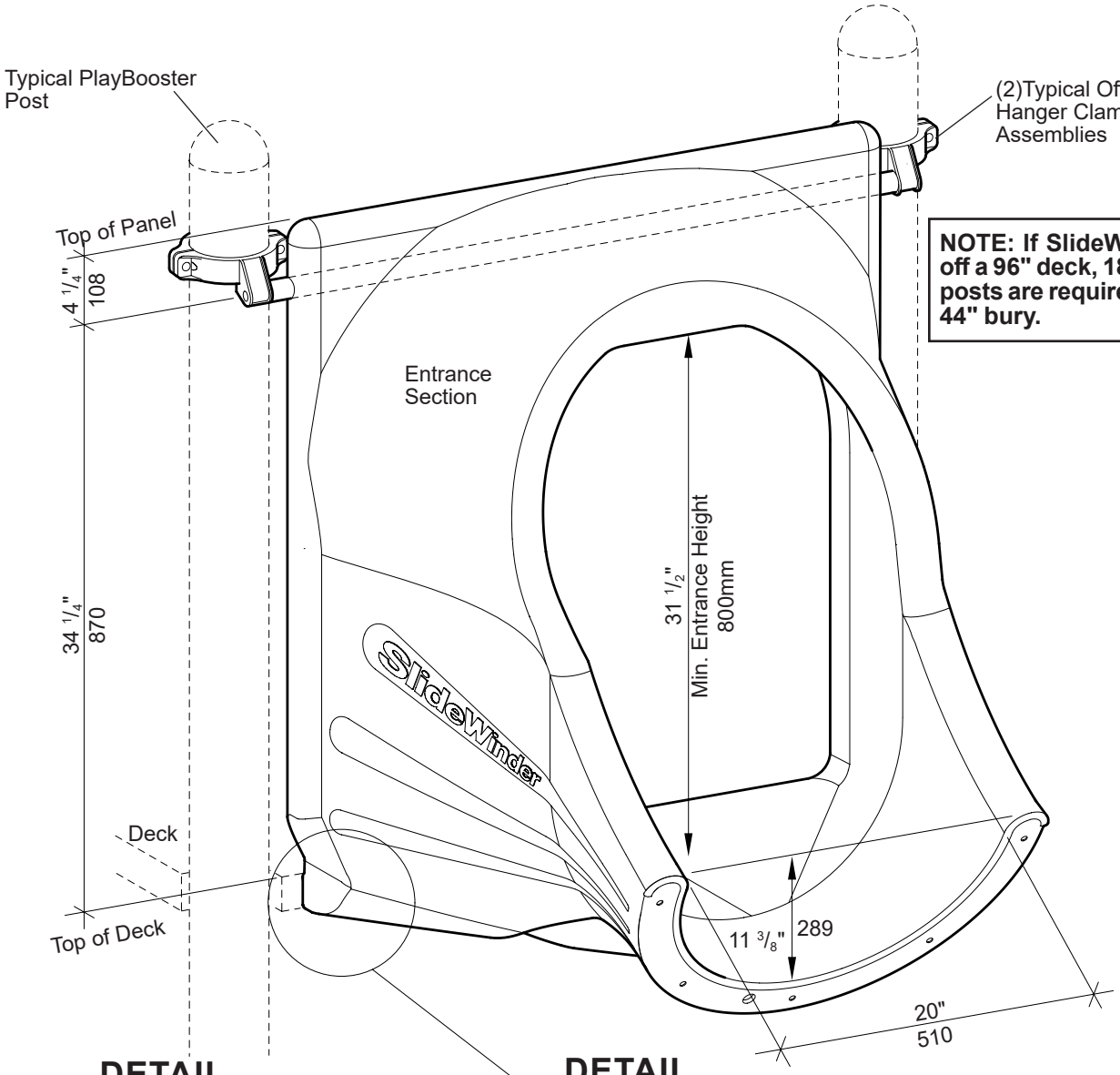
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

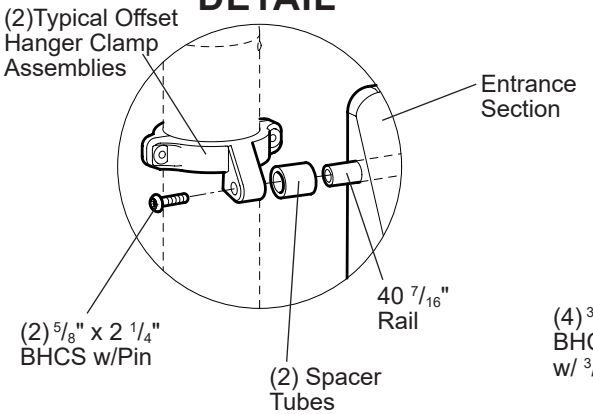
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ENTRANCE SECTION ATTACHMENT

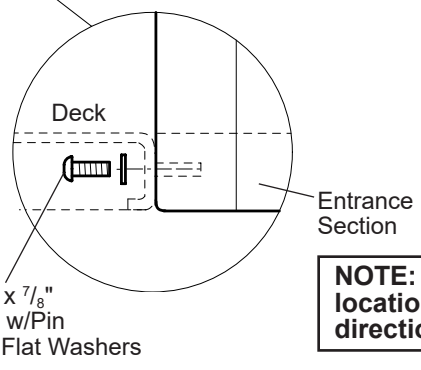


NOTE: If SlideWinder is off a 96" deck, 182" steel posts are required with a 44" bury.

DETAIL



DETAIL



NOTE: Refer to your plan drawing for location of footings and layout and direction of SlideWinder sections.

PlayBooster® **124863 SlideWinder2®, 32"-96"**

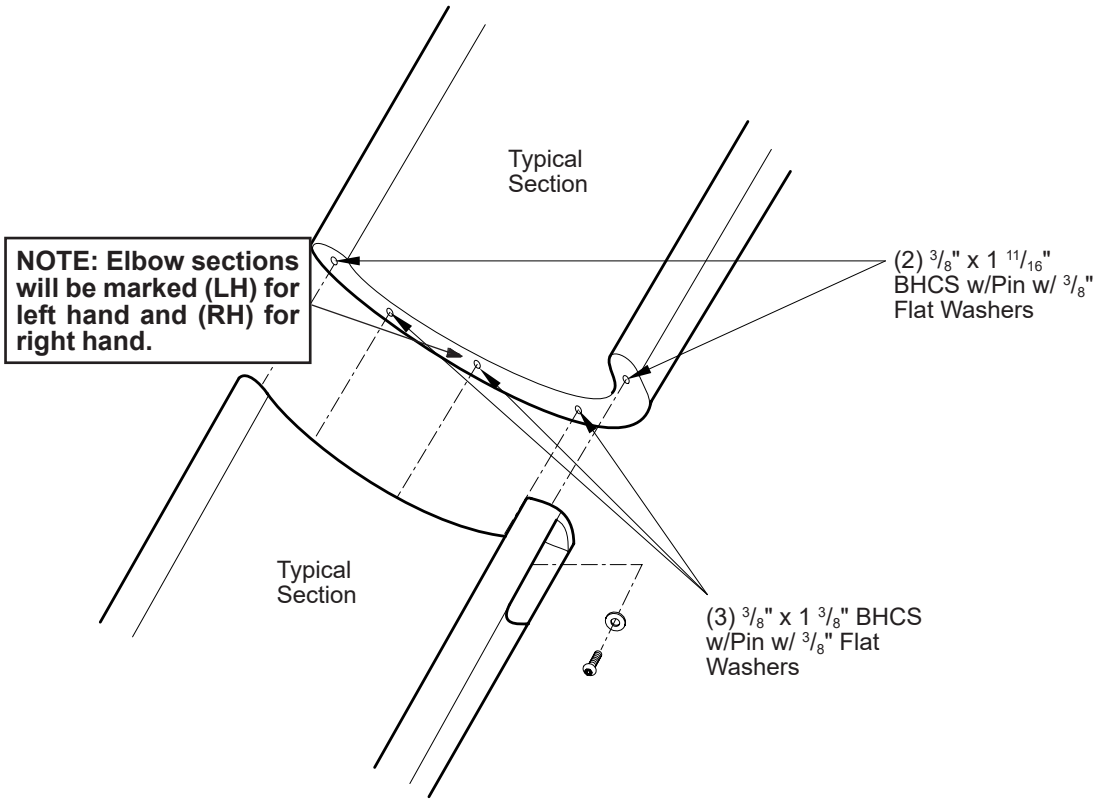
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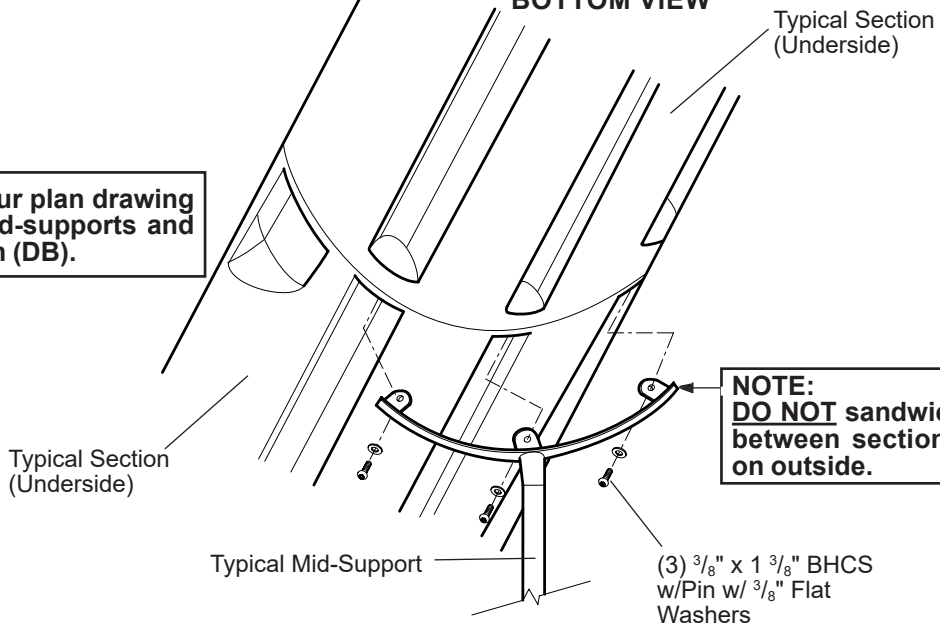
DETAIL
TYPICAL SLIDE SECTION



NOTE: Elbow sections will be marked (LH) for left hand and (RH) for right hand.

NOTE: Fasten top of slide section with pockets to bottom of slide section without pockets.

DETAIL
TYPICAL MID-SUPPORT
(48"- 96" SLIDES ONLY)
BOTTOM VIEW



NOTE:Refer to your plan drawing for location of mid-supports and their footing depth (DB).

NOTE:
<u>DO NOT</u> sandwich support between sections. Mount on outside.

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124863 SlideWinder2® Details

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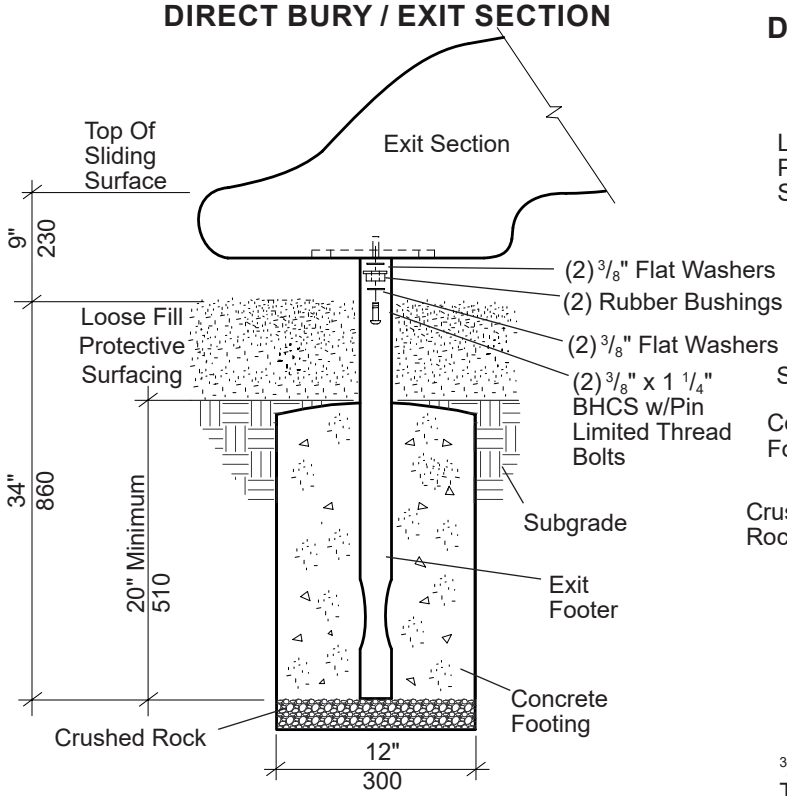
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

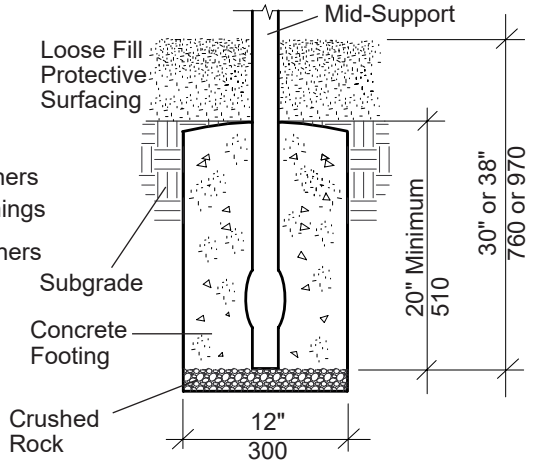
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DETAIL
DIRECT BURY / EXIT SECTION

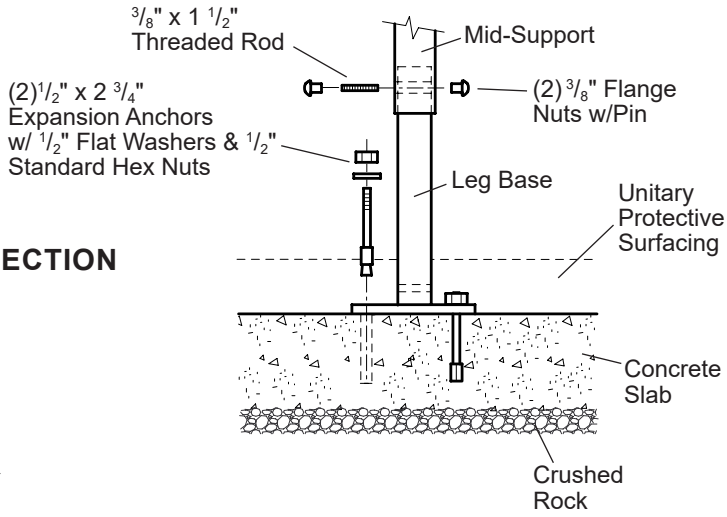


NOTE: Attach bolts in the center of the footer slots to allow for expansion and contraction. Snug bolts down only, do not overtighten!

DETAIL
DIRECT BURY / MID-SUPPORTS



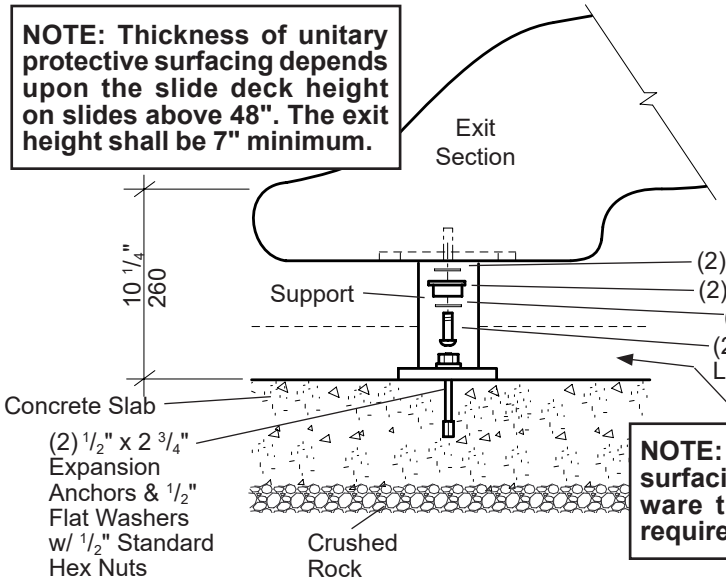
DETAIL
SURFACE MOUNT / MID-SUPPORTS



NOTE: Exit Heights may vary if the protective surfacing is not level. Do not put pressure/tension on the entrance section when adjusting the exit height.

DETAIL
SURFACE MOUNT / EXIT SECTION

NOTE: Thickness of unitary protective surfacing depends upon the slide deck height on slides above 48". The exit height shall be 7" minimum.



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

PlayBooster® 124863 SlideWinder2® Details

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Document #24023600

PlayBooster® 124863 SlideWinder2®, 32"-96"

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Parts List

Part#	Description	Qty.
124867	Right Elbow Section, Specify Color	*
124868	Left Elbow Section, Specify Color	*
125655	Straight Section (15 1/4" Long), Specify Color	*
124864	Straight Section (30 1/2" Long), Specify Color	*
100583	40 7/16" Rail, Specify Color	1
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
125562	Support Base (SM), Specify Color	*
128434	66" Mid-Support (DB), Specify Color	*
128077	82" Mid-Support (DB), Specify Color	*
128078	106" Mid-Support (DB), Specify Color	*
128079	20 3/4" Mid-Support (SM), Specify Color	*
128080	29" Mid-Support (SM), Specify Color	*
128081	37 1/8" Mid-Support (SM), Specify Color	*
128082	45 1/4" Mid-Support (SM), Specify Color	*
128261	Exit Footer (DB), Specify Color	1
128262	Exit Footer (SM), Specify Color	1
124876	Entrance Section, Specify Color	1
124877	Exit Section, Specify Color	1
132443	Spacer Tube, Specify Color	2
121371	**Entrance/Deck Mounting Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100362	3/8" Flat Washer, SST	4
154942	**SlideWinder Section Hardware Package**	*
100362	3/8" Flat Washer, SST	*
113027	3/8" x 1 3/8" BHCS w/Pin, SST	*
123224	3/8" x 1 11/16" BHCS w/Pin, SST	*
124342	**Rail Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	4
125670	**Mid-Support Hardware Package (SM)**	*
100266	1/2" x 2 3/4" Expansion Anchor	*
100322	1/2" Standard Hex Nut, SST	*
100353	3/8" Flange Nut w/Pin, SST	*
100363	1/2" Flat Washer, SST	*
115813	3/8" x 1 1/2" Threaded Rod, SST	*
128373	**Exit Support Hardware Package (DB)**	1
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread Bolt, SST	2
100362	3/8" Flat Washer, SST	4
111442	Rubber Bushing	2
128343	**Exit Support Hardware Package (SM)**	1
100266	1/2" x 2 3/4" Expansion Anchor	2
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread Bolt, SST	2
100322	1/2" Standard Hex Nut, SST	2
100362	3/8" Flat Washer, SST	4
100363	1/2" Flat Washer, SST	2
111442	Rubber Bushing	2

DB = Direct Bury
SM = Surface Mount
*** = Quantity Varies Per Deck Height**

Specifications

Slide Sections: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rail: 1 1/8" O.D. 6005-T5 aluminum extrusion with 5/16" walls. Finish: ProShield®, color specified.

Mid-Support: Weldment comprised of 1.900" O.D. RS-20 (.090" - .100") galvanized steel tubing and 3/16" x 1 1/4" zinc plated steel strap. Finish: ProShield, color specified.

Support Base (SM): Weldment comprised of 1.660" O.D. RS-20 (.085" - .095") galvanized steel tubing and 1/4" x 3" x 8" mounting plate. Finish: ProShield, color specified.

Spacer Tube: Fabricated from 1.3125 O.D. x 16 Ga. (.065) steel tubing. Finish: ProShield, color specified.

Exit Footer: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" x 7 1/2" mounting plate. Finish: ProShield, color specified.

Offset Hanger Clamp Assy.: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time:
32" - 48" Approx. 3 man hours
56" - 72" Approx. 4 man hours
96" Approx. 5.5 man hours

Concrete Req.:
30" Depth - Approx. 1.3 cu. ft.
34" Depth - Approx. 1.5 cu. ft.
38" Depth - Approx. 1.8 cu. ft.

Weight:
32" - 134 lbs.
40" - 146 lbs.
48" - 172 lbs.
56" - 184 lbs.
64" - 197 lbs.
72" - 247 lbs.
96" - 280 lbs.

Fall Height: Deck Height

Installation Instructions

1) Refer to your plan drawing for location of footings and direction of SlideWinder sections.
2) **(Direct Bury)** Dig footing holes spaced as shown, depending upon slide. Refer to the Direct Bury Exit Section and Direct Bury Mid-Support Details.
3) Place 40 7/16" rail in entrance section, place spacer tubes over each end of the 40 7/16" rail, attach offset hanger clamps using 5/8" x 2 1/4" BHCS w/Pin.
4) Fasten SlideWinder sections together loosely starting in the middle and working your way to the outside of each section, using 3/8" x 1 3/8" BHCS w/Pin with 3/8" flat washers on the 3 inside holes and 3/8" x 1 11/16" BHCS w/pin with 3/8" flat washers on the 2 outside holes. When all bolts are started, pull the tops flush with each other and tighten. The left elbow section reads (LH) and the right elbow section reads (RH). Attach entrance and exit section last. Refer to the Typical Slide Section Detail.
5) **(Direct Bury)** If required attach mid-supports, refer to your plan drawing for locations. Attach mid-supports to slide using 3/8" x 1 3/8" BHCS w/Pin. Refer to the Typical Mid-Support Detail.

   (Surface Mount) If required attach mid-supports, refer to your plan drawing for locations. Assemble mid-supports by placing support base inside mid-support and attach using 3/8" x 1 1/2" threaded rod and 3/8" flange nuts w/pin. Refer to the Surface Mount/Mid-Support Detail. Attach mid-supports to slide using 3/8" x 1 3/8" BHCS w/Pin. Refer to the Typical Mid-Support Detail.
6) Attach exit footer to base of slide using 3/8" x 1 1/4" BHCS w/Pin limited thread bolts, 3/8" flat washers, rubber bushings and 3/8" flat washers. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not overtighten. See Direct Bury/Exit Section Detail.*
7) With SlideWinder fully assembled, attach entrance section to the face of the deck using 3/8" x 7/8" BHCS w/Pin and 3/8" flat washers.
8) Attach offset hanger clamps to posts using 5" half clamps, 3/8" x 1 1/8" BHCS w/Pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
9) **(Direct Bury)** With supports plumb pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Mark anchor bolt locations on concrete slab through holes in anchor plates. Drill 1/2" x 3" deep holes on marks into concrete using a hammer drill and 1/2" masonry bit. Tap 1/2" x 2 3/4" expansion anchors into drilled holes and fasten using 1/2" standard hex nuts with 1/2" flat washers.
10) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0101244 Document 24023600 replaces 17787300. Slide exit height defined.
4/24/2023 - Update to weight and install for 96"Deck additional footer.

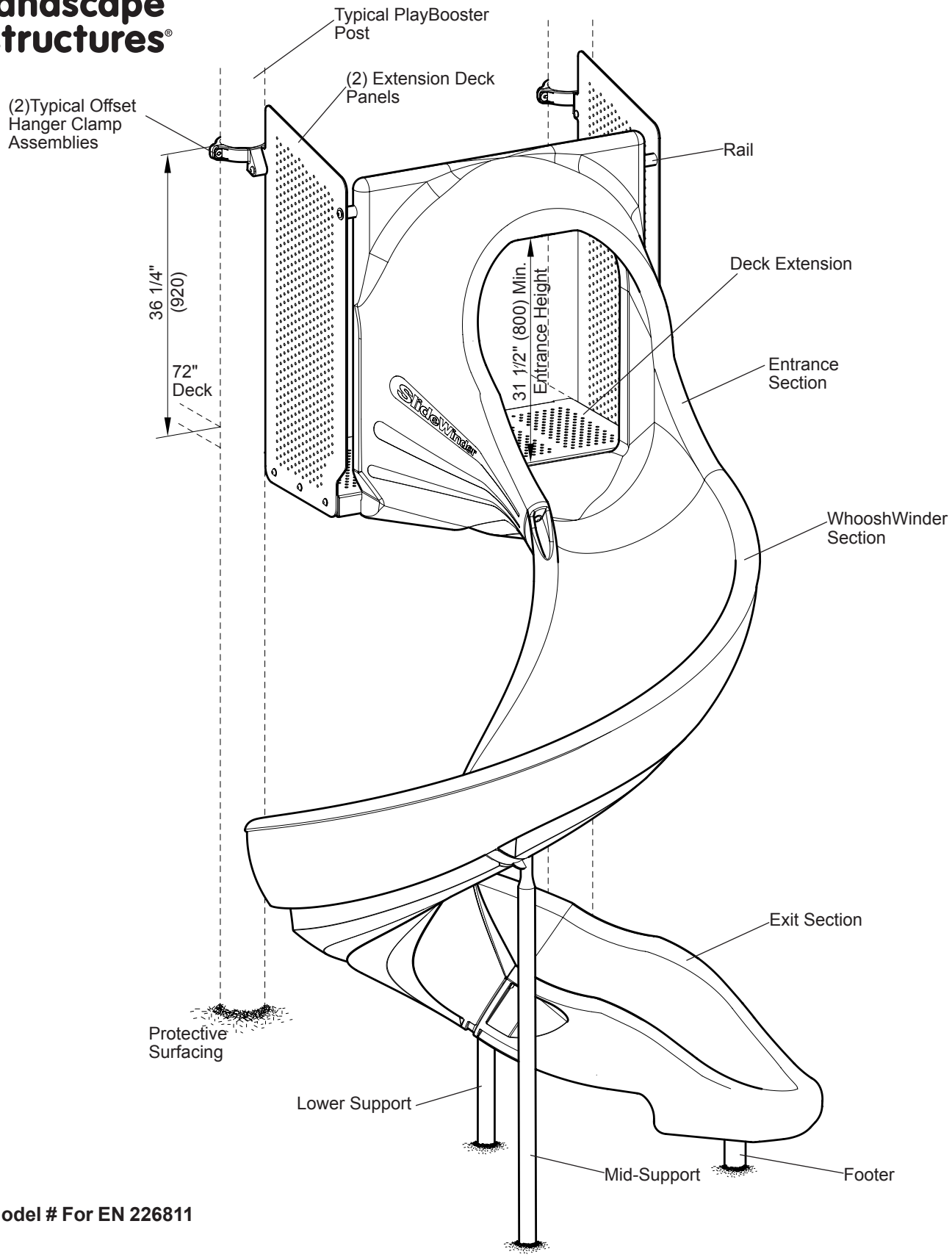
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



Model # For EN 226811

PlayBooster® 222708 WhooshWinder™, 72" Deck

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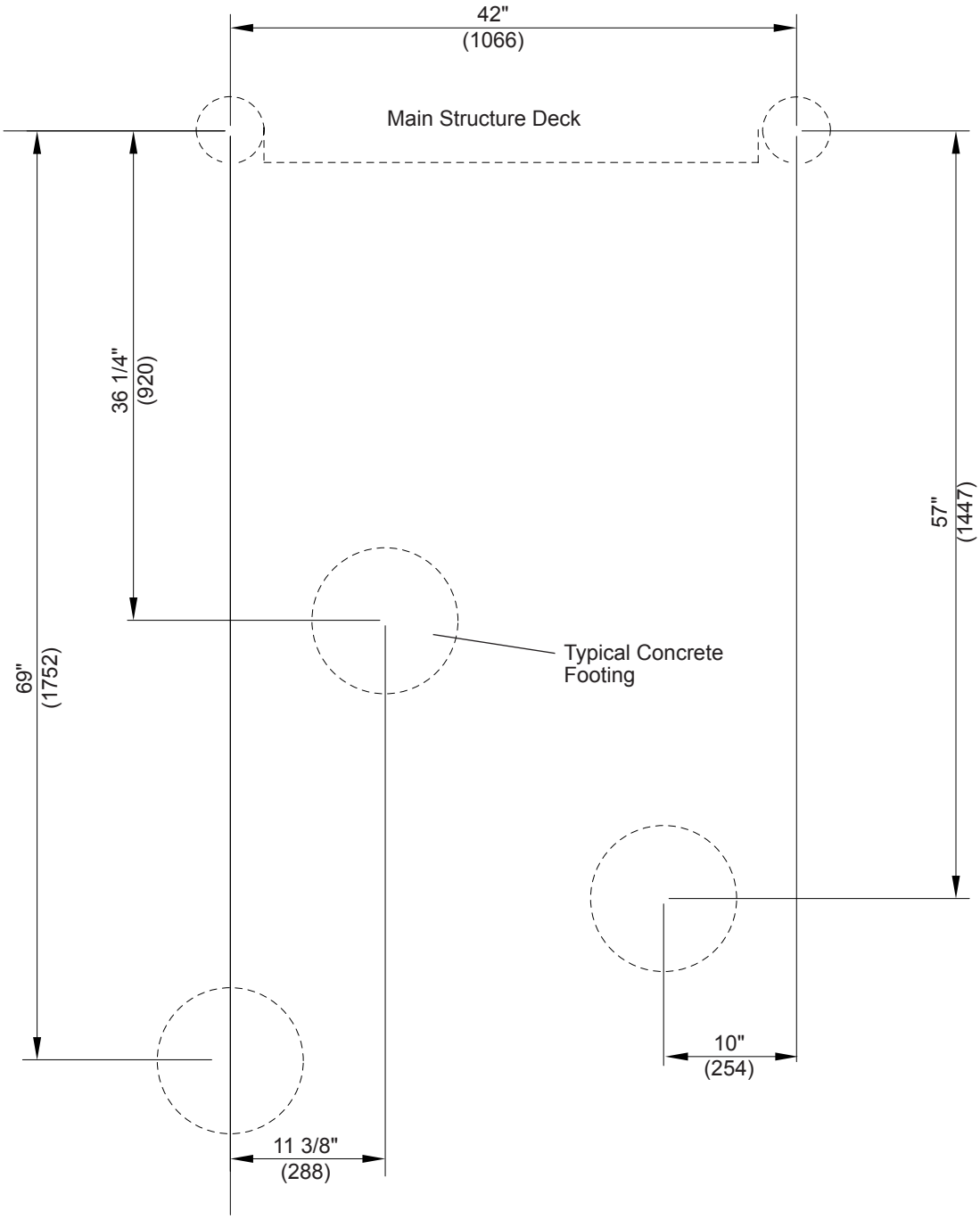
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

PLAN VIEW/FOOTING LAYOUT



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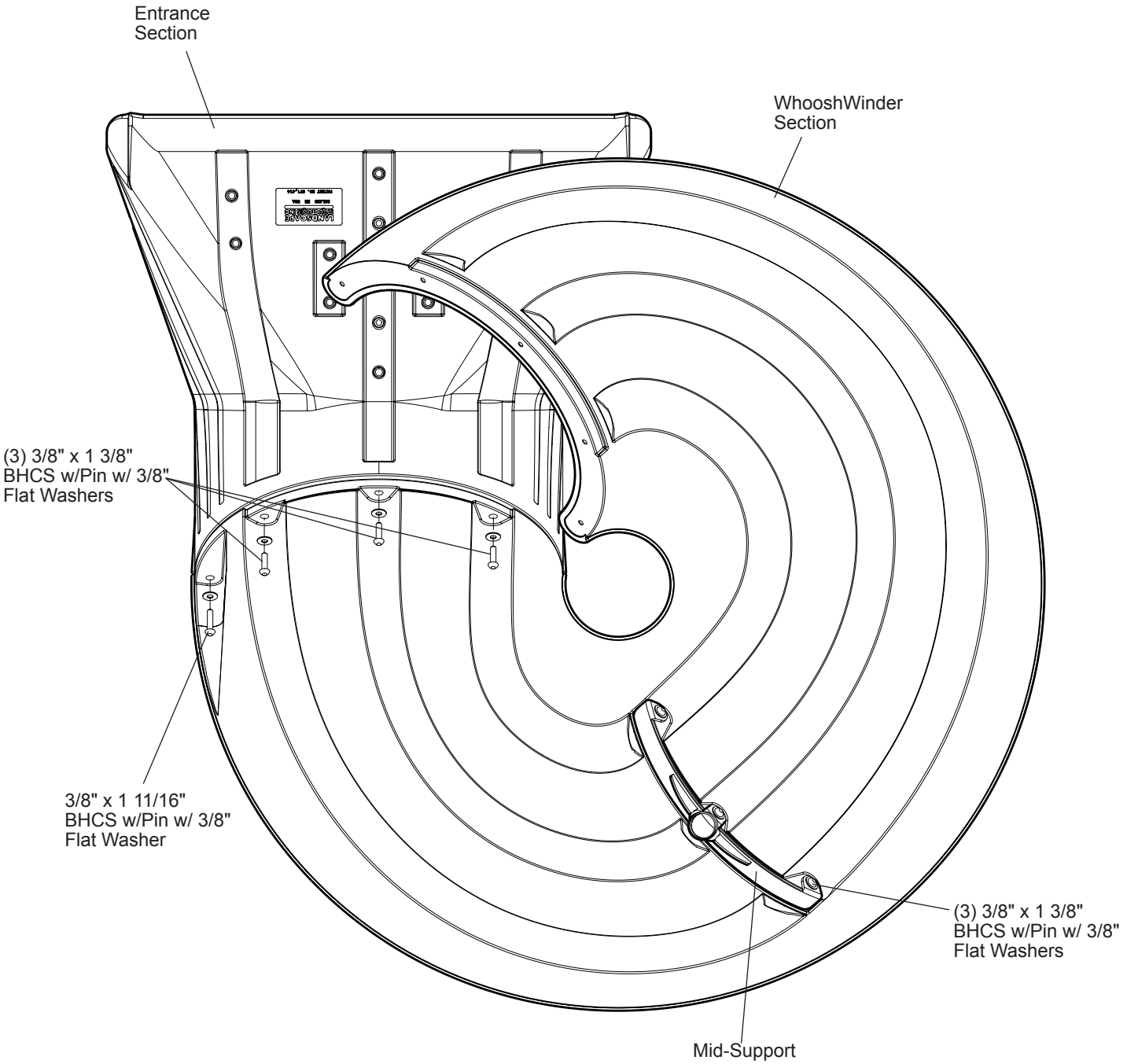
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL

BOTTOM VIEW WITHOUT EXIT SECTION



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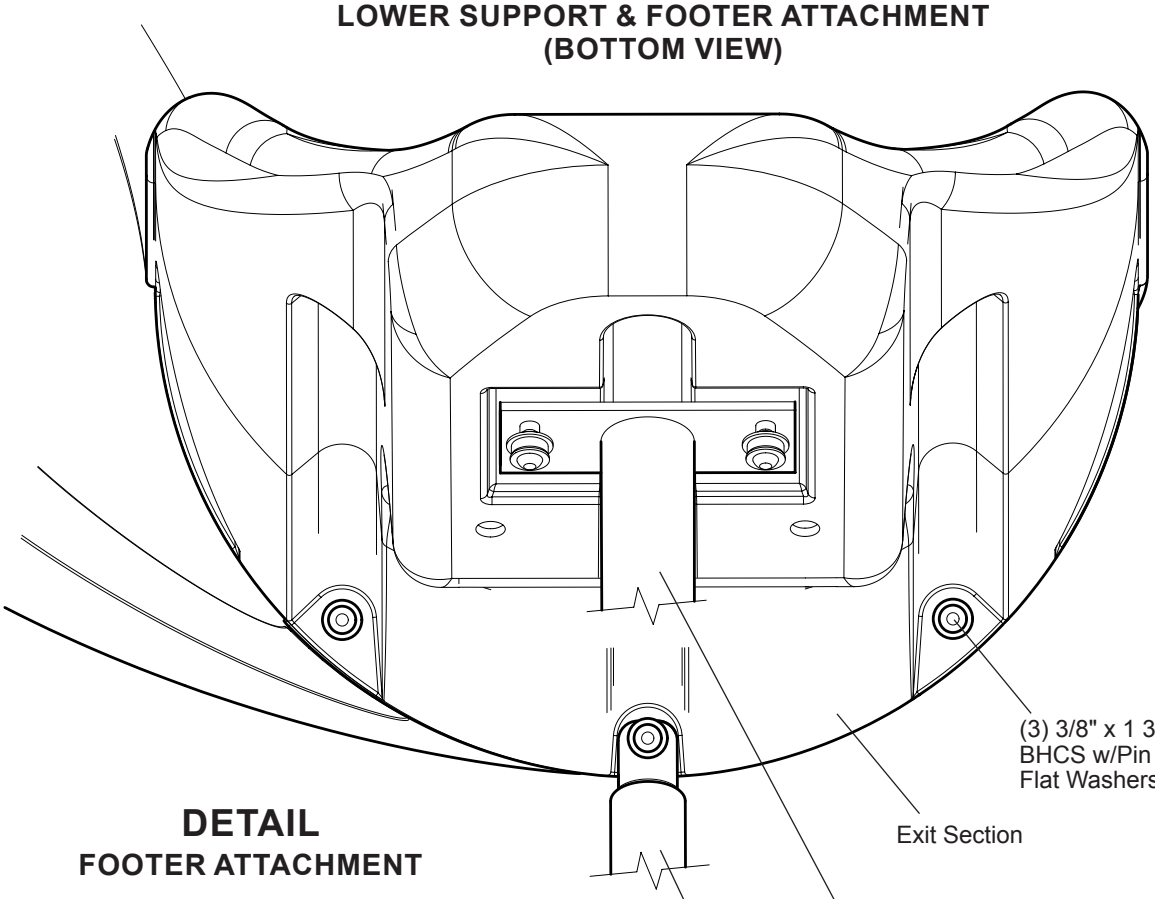
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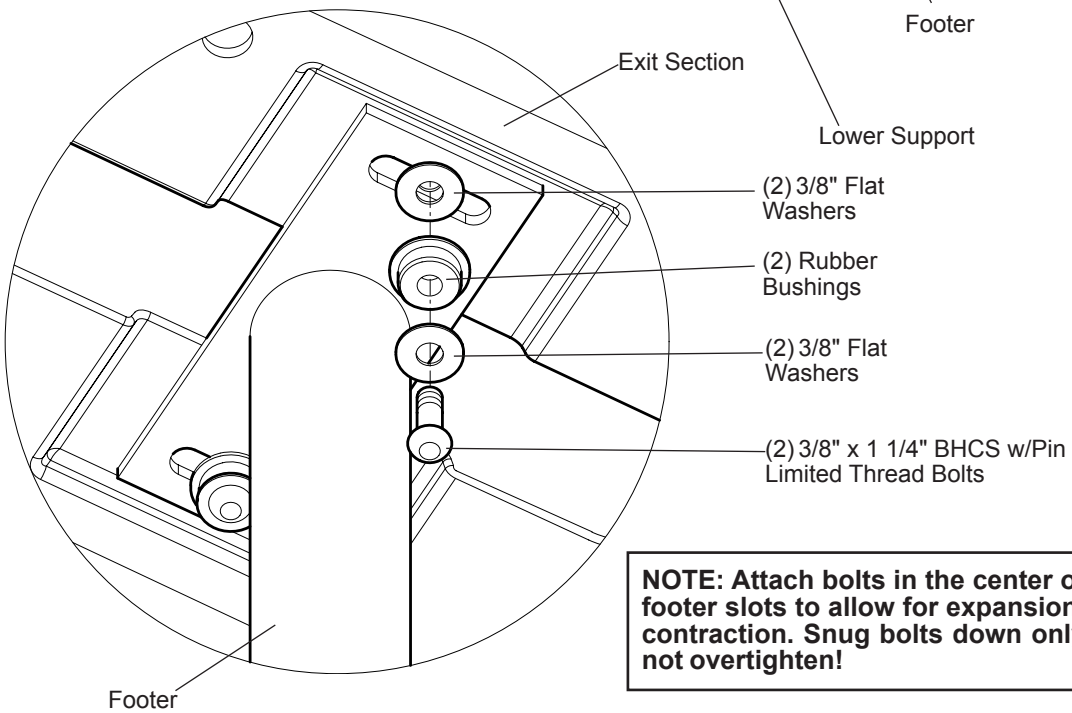
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
LOWER SUPPORT & FOOTER ATTACHMENT (BOTTOM VIEW)



DETAIL
FOOTER ATTACHMENT



NOTE: Attach bolts in the center of the footer slots to allow for expansion and contraction. Snug bolts down only, do not overtighten!

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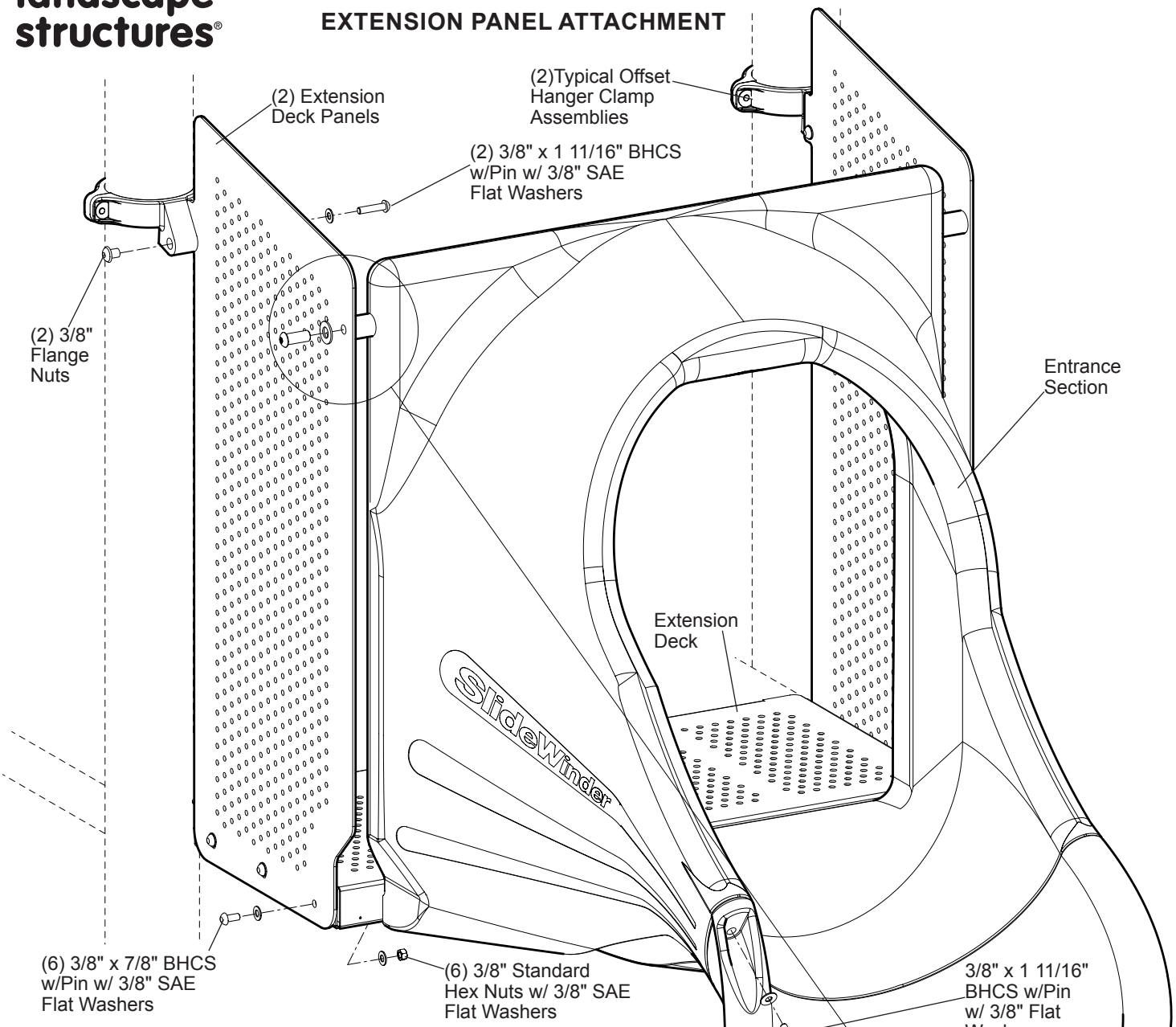
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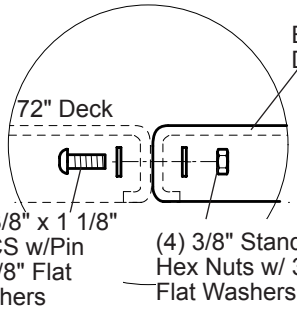
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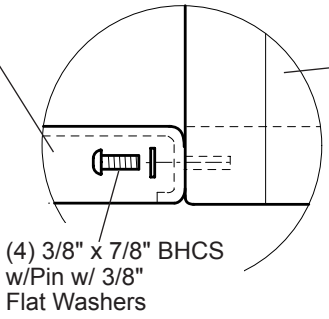
DETAIL
EXTENSION PANEL ATTACHMENT



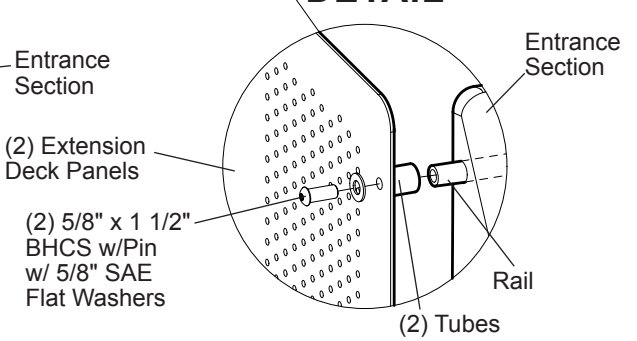
DETAIL
EXTENSION DECK ATTACHMENT



DETAIL
ENTRANCE SECTION ATTACHMENT



DETAIL



PlayBooster® **222708 WhooshWinder™, 72" Deck** Sheet 5 of 7

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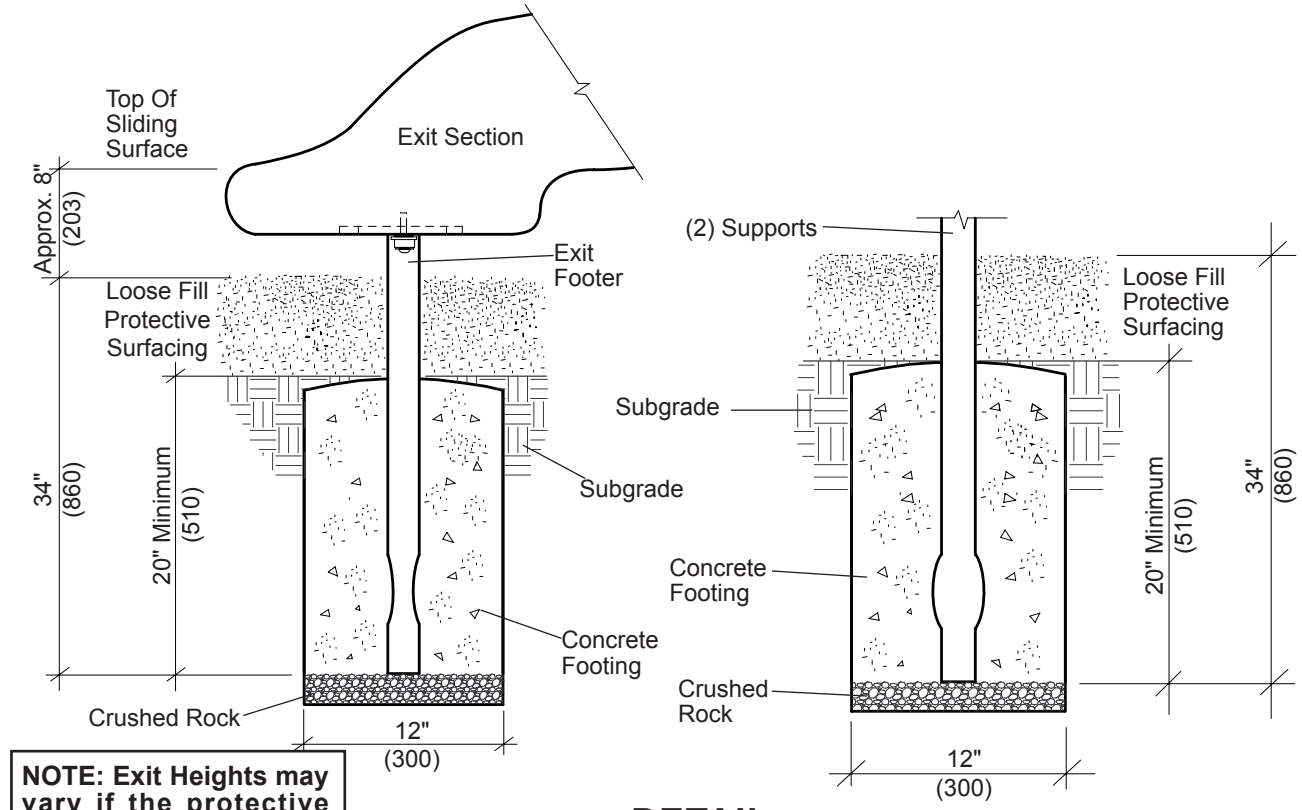
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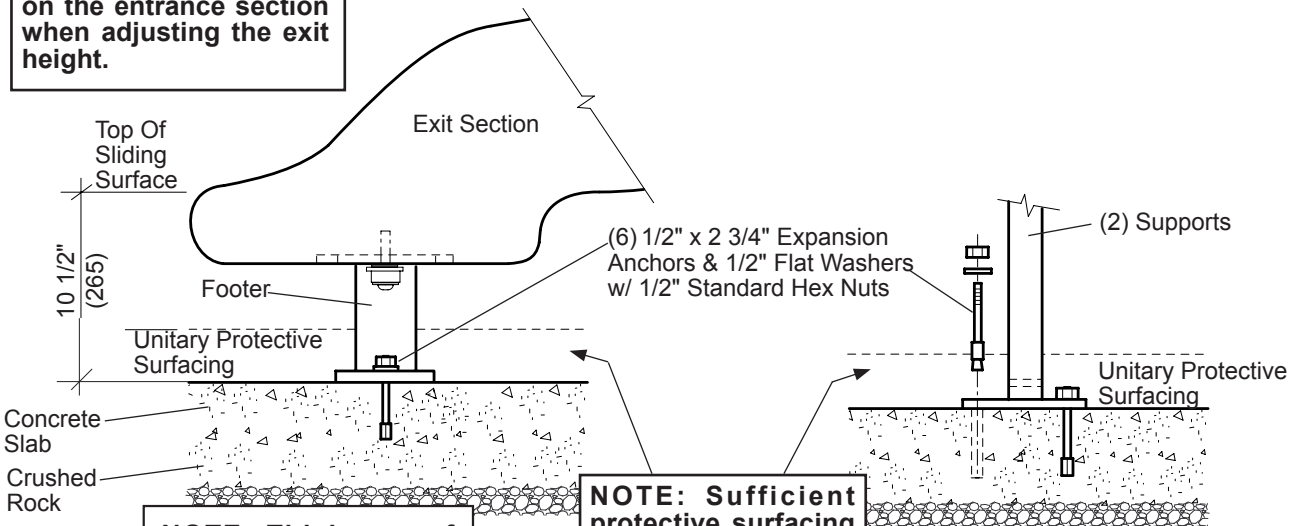
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
DIRECT BURY



NOTE: Exit Heights may vary if the protective surfacing is not level. Do not put pressure/tension on the entrance section when adjusting the exit height.

DETAIL
SURFACE MOUNT



NOTE: Thickness of unitary protective surfacing depends upon the slide deck height. On slides above 48". The exit height shall be 7" minimum.

NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

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PlayBooster® 222708 WhooshWinder™, 72" Deck

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Parts List

Part#	Description	Qty.
100583	40 7/16" Rail, Specify Color	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
124876	Entrance Section, Specify Color	1
124877	Exit Section, Specify Color	1
128261	Exit Footer (DB), Specify Color	1
128262	Exit Footer (SM), Specify Color	1
132443	Spacer Tube, Specify Color	2
221442	WhooshWinder Section, Specify Color	1
221939	Mid-Support (DB), Specify Color	1
222222	Mid-Support (SM), Specify Color	1
222683	Deck Extension, Specify Color	1
222694	Extension Panel, Specify Color	2
225584	Lower Support (DB), Specify Color	1
221938	Lower Support (SM), Specify Color	1
223506	**WhooshWinder 72" Deck Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	10
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100362	3/8" Flat Washer, SST	29
100365	3/8" SAE Flat Washer, SST	14
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	2
123224	3/8" x 1 11/16" BHCS w/Pin, SST	6
100201	5/8" x 1 1/2" BHCS w/Pin, SST	2
129500	5/8" SAE Flat Washer, SST	2
100327	3/8" Standard Hex Nut, SST	10
113027	3/8" x 1 3/8" BHCS w/Pin, SST	9
111442	#871 Rubber Bushing	2
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST	2
111392	**Exit Support Hardware Package (SM)**	3
100266	1/2" x 2 3/4" Expansion Anchor	6
100322	1/2" Standard Hex Nut, SST	6
100363	1/2" Flat Washer, SST	6

DB = Direct Bury
SM = Surface Mount

Specifications

Slide Sections: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Deck Extension: Weldment comprised of 12 GA. (.105") (2,66 mm) HRPO sheet steel. Finish: Tender-Tuff coated, color specified.

Dk. Ext. Panel: 7 GA. (.179") (4,54 mm) HRPO flat steel. Finish: ProShield®, color specified.

Rail: 1 1/8" (28,57 mm) O.D. 6005-T5 aluminum extrusion with 5/16" (7,92 mm) walls. Finish: ProShield®, color specified.

Mid-Support: Weldment comprised of 1.900" (48,26 mm) O.D. RS20 (.090"-.100") (2,28 mm - 2,54 mm) galvanized steel tubing and 3/16" (4,74 mm) x 1 1/4" (31,75 mm) zinc plated steel strap. Finish: ProShield, color specified.

Lower Support: Weldment comprised of 1.900" (48,26 mm) O.D. RS20 (.090"-.100") (2,28 mm - 2,54 mm) galvanized steel tubing and 1/4" (6,35 mm) flat steel. Finish: ProShield, color specified.

Spacer Tube: Fabricated from 1.312" (33,33 mm) O.D. x 16 Ga. (.065") (1,65 mm) steel tubing. Finish: ProShield, color specified.

Exit Footer: Weldment comprised of 2.375" (60,32 mm) O.D. RS20 (.095"-.105") (2,41 mm-2,66 mm) galvanized steel tubing and 1/4" (6,35 mm) x 3" (76,2 mm) x 7 1/2" (190,5 mm) mounting plate. Finish: ProShield, color specified.

Offset Hanger Clamp Assy.: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: 72" w/Extension Deck Approx. 5 labor hours
Concrete Req.: **DB** Approx. 3.93 cu. ft.
Weight: **DB** 346 lbs.
SM 335 lbs.
Fall Height: Deck Height
Area Req: 6' (1,82 m) minimum use zone at exit.

Installation Instructions

1) Refer to the Plan View/Footing Location for location of footings.
2) **(Direct Bury)** Dig footing holes as shown. Refer to the Direct Bury Detail.
3) Attach offset hanger clamp assemblies to posts, at height shown. Refer to the Typical Offset Hanger Clamp Spec Sheet.
4) Attach deck extension to main structure deck.
5) Attach deck extension panels to extension deck and offset hanger clamp assemblies.
6) Place 40 7/16" rail in entrance section, and place spacer tubes over each end of the rail. Refer to Detail.
7) Fasten WhooshWinder section to entrance section together loosely starting in the inside and working your way to the outside. When all bolts are started, pull the tops flush with each other and tighten.
8) Attach mid-support to WhooshWinder section.
9) Attach exit footer to exit section. Attach lower support to exit section and WhooshWinder section. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not overtighten. Refer to the Footer Attachment Detail.*
10) With SlideWinder fully assembled, attach entrance section to the face of the deck extension. Refer to Entrance Section Attachment Detail.
11) Attach rail to deck extension panels.
12) **(Direct Bury)** With supports plumb pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

    (Surface Mount) Mark anchor bolt locations on concrete slab through holes in anchor plates. Drill 1/2" x 3" deep holes on marks into concrete using a hammer drill and 1/2" masonry bit. Tap 1/2" x 2 3/4" expansion anchors into drilled holes and fasten using 1/2" standard hex nuts with 1/2" flat washers.
13) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
14) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0101244 Document 24024700 replaces 22478100. Slide exit height defined.

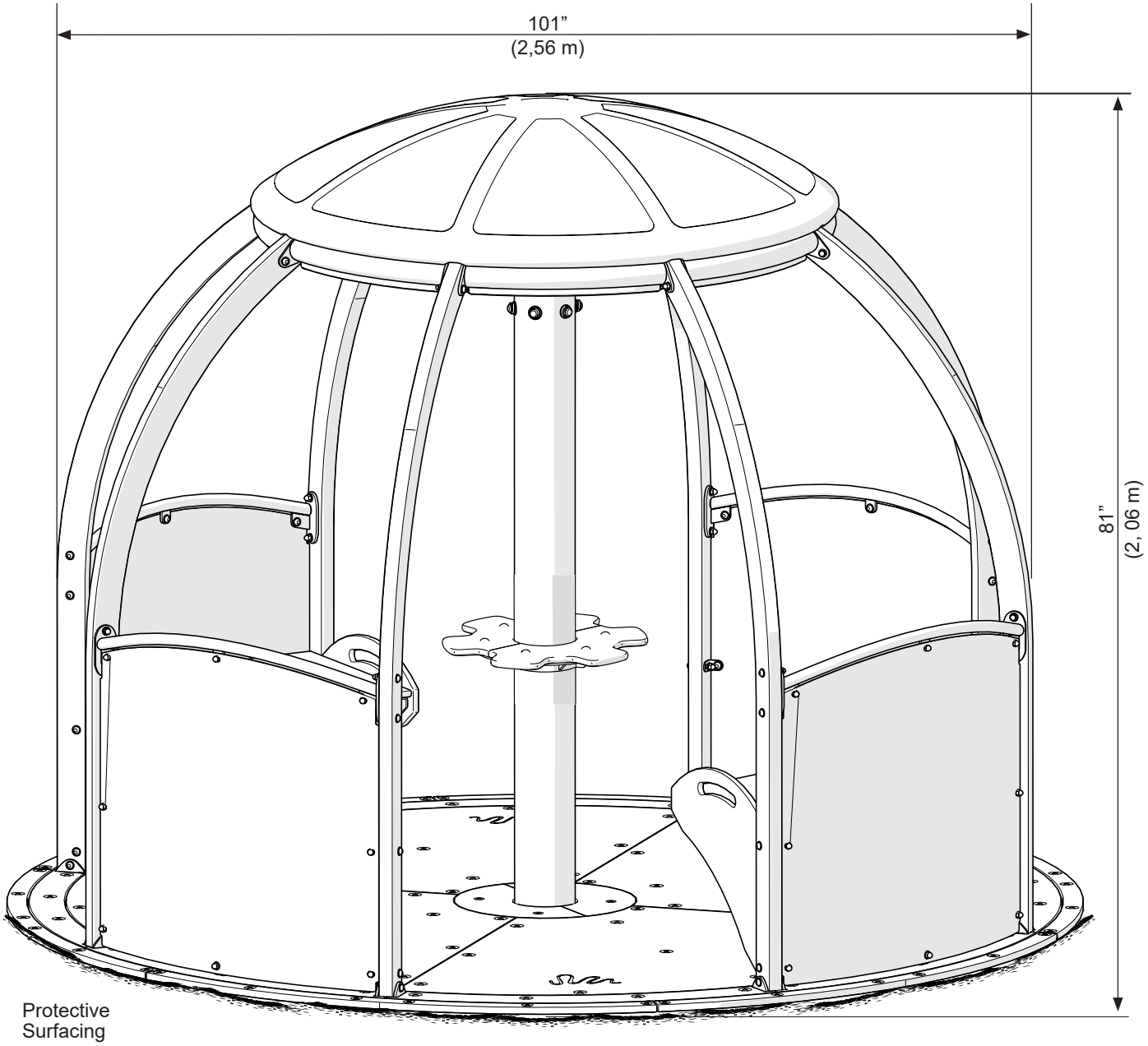
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



Scan the QR Code to the right, or type the URL into a browser to view the video

https://bit.ly/2ESCwd0

Kids in Motion

249558 We-Go-Round™ w/ DigiFuse

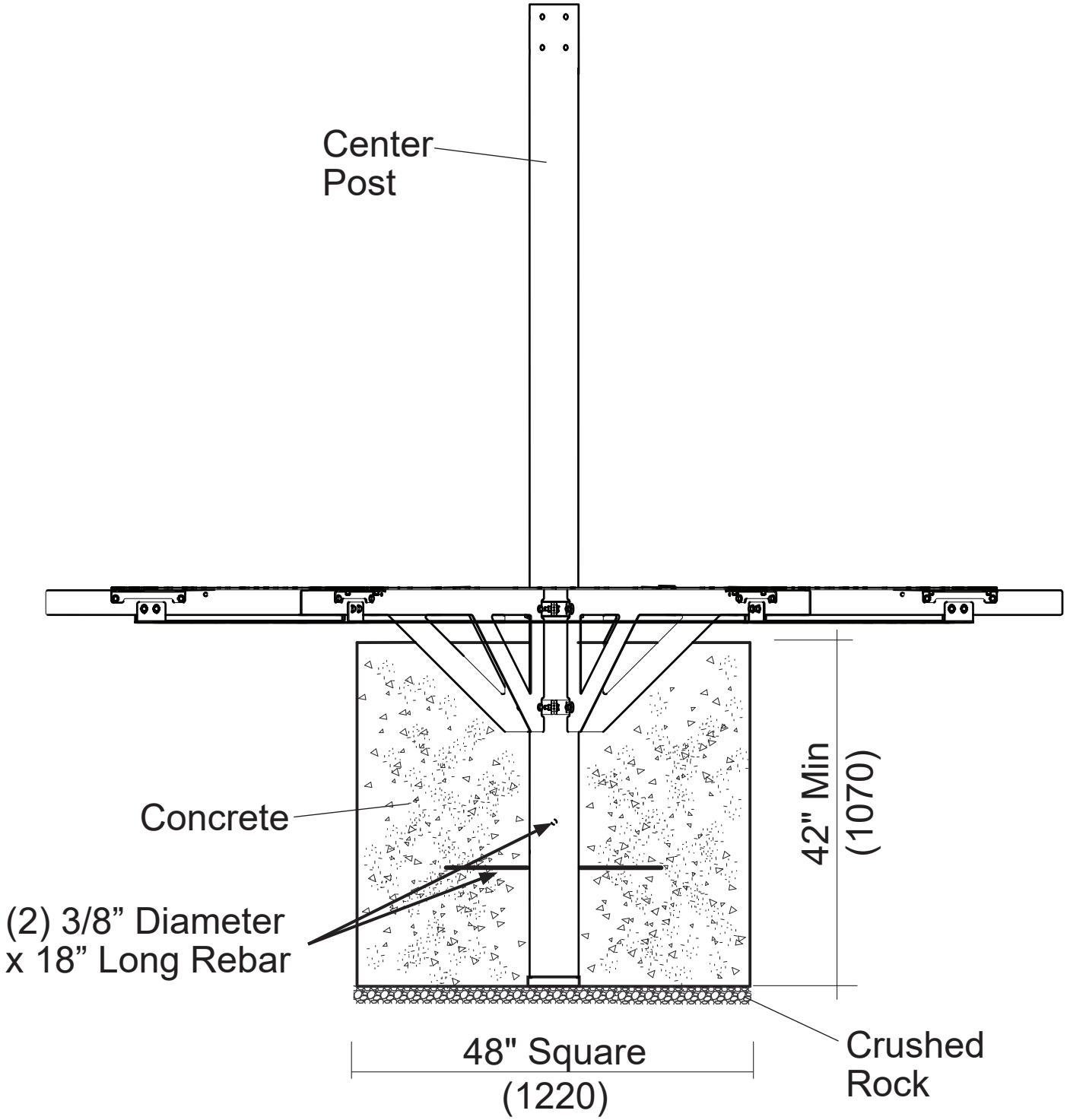
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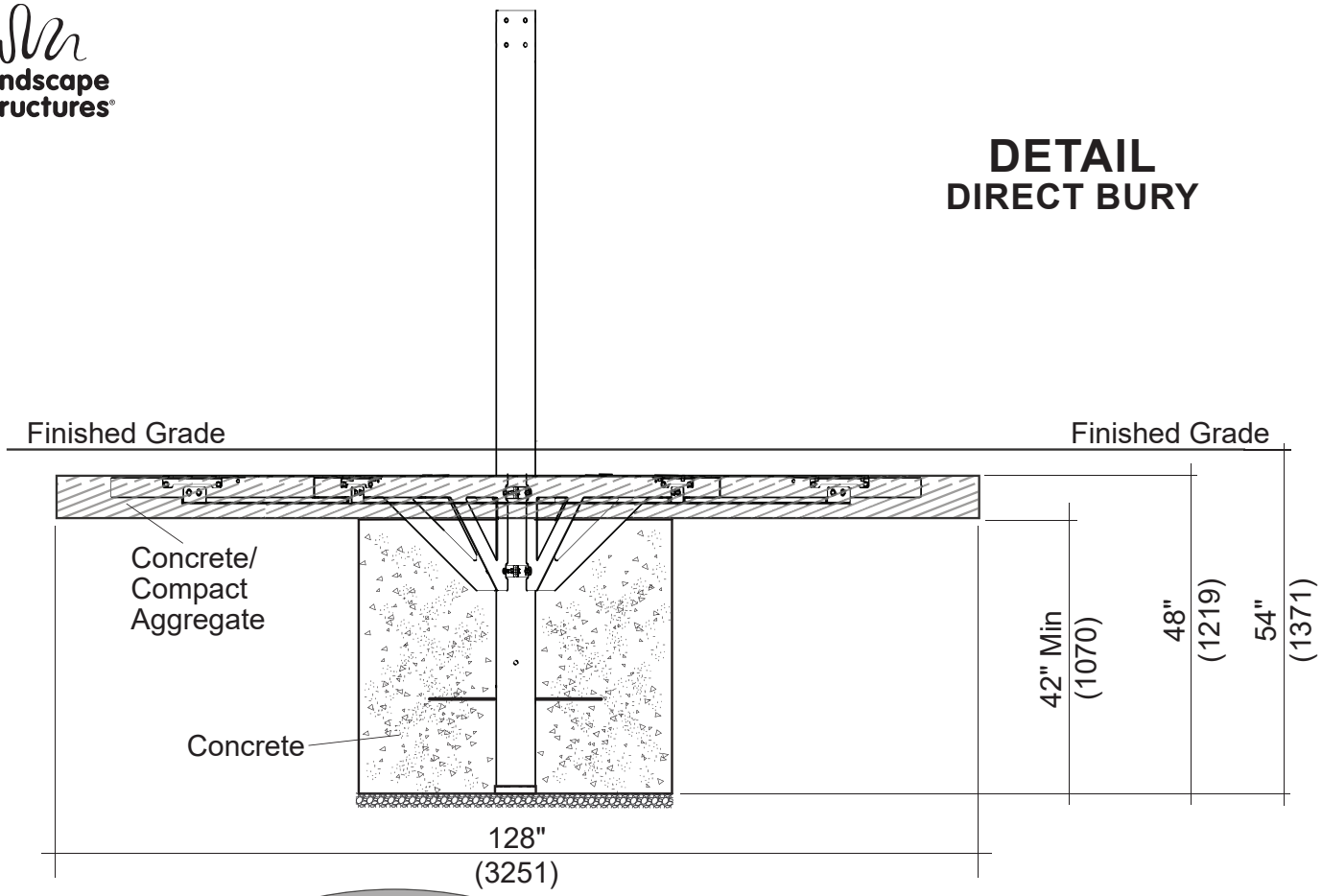
DETAIL
DIRECT BURY



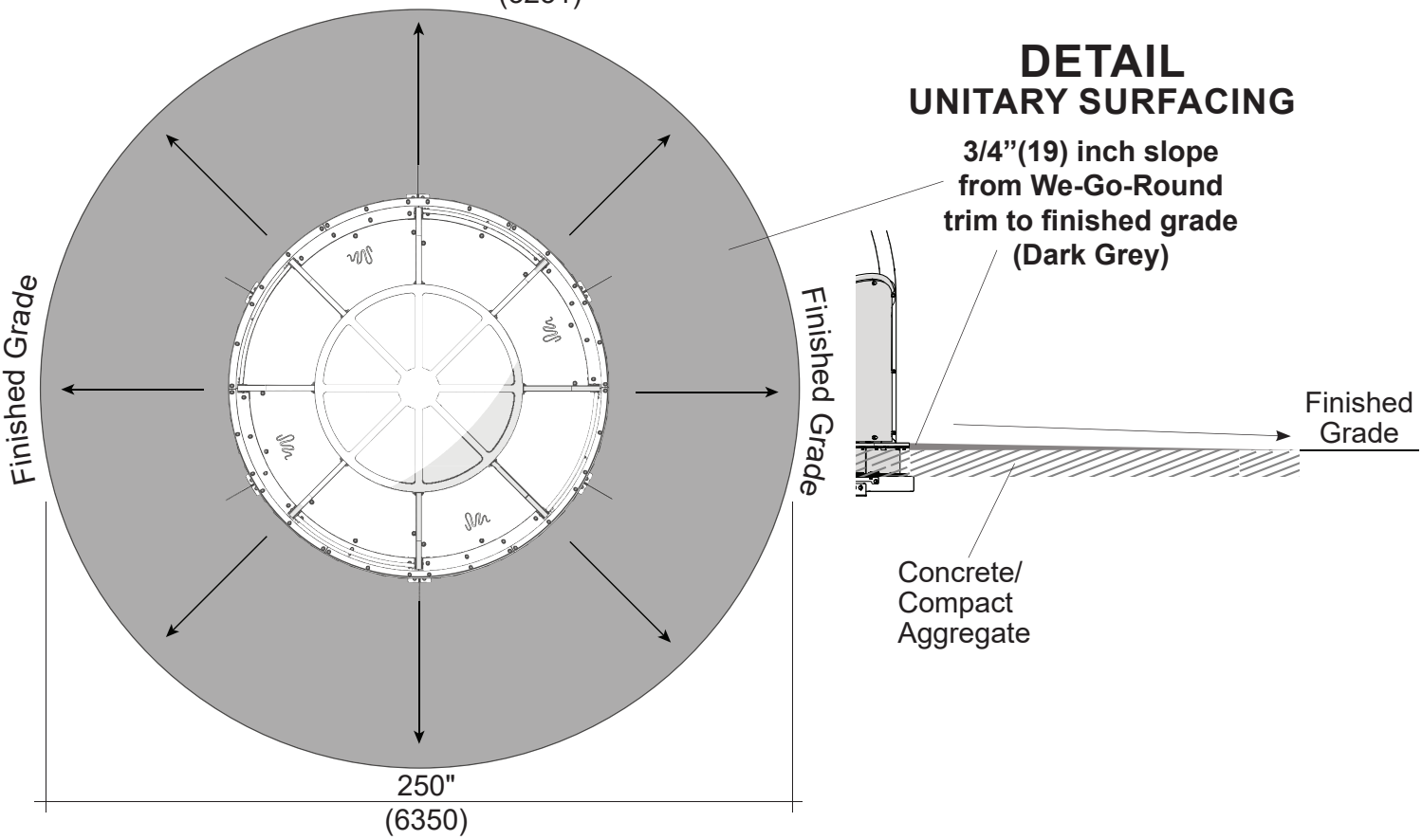
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DETAIL
DIRECT BURY



DETAIL
UNITARY SURFACING

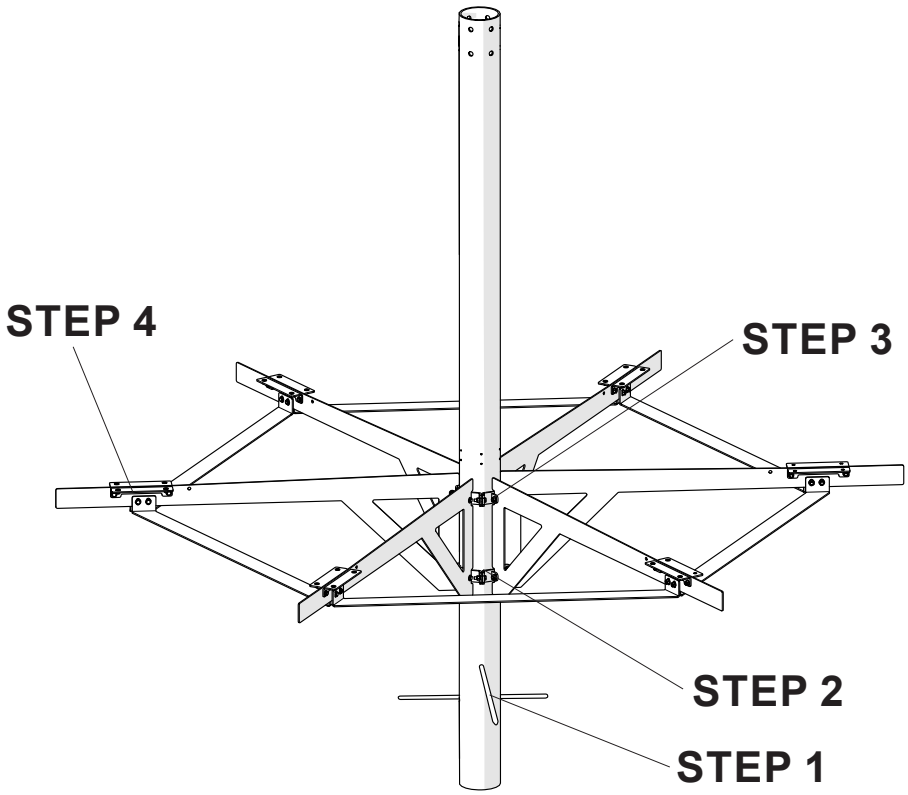


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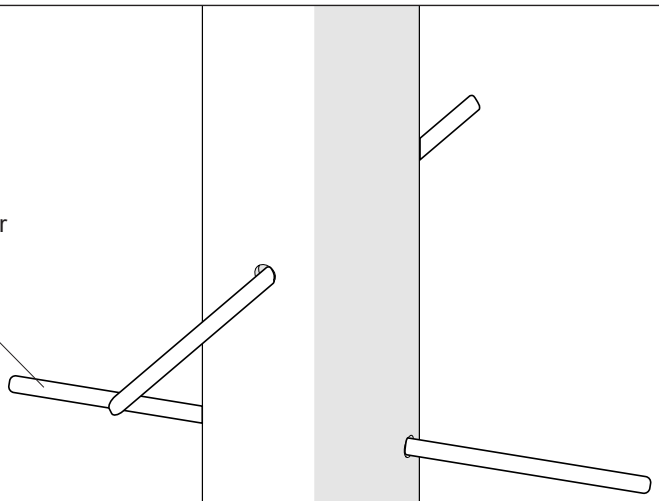
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FOUNDATION I



STEP 1

(2) 3/8” Diameter x 18” Long Rebar

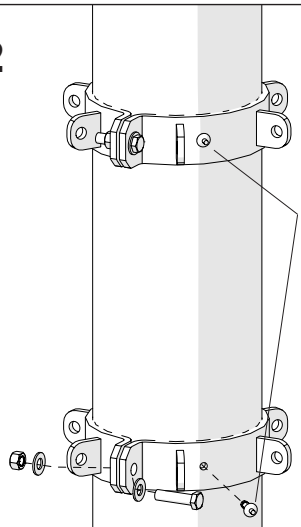


1x	6.0 OD x .25” x 119.50” Post (289361)	2x	3/8” x 18” Rebar (222399)

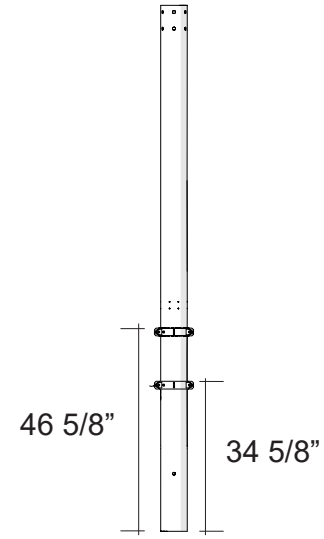
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STEP 2

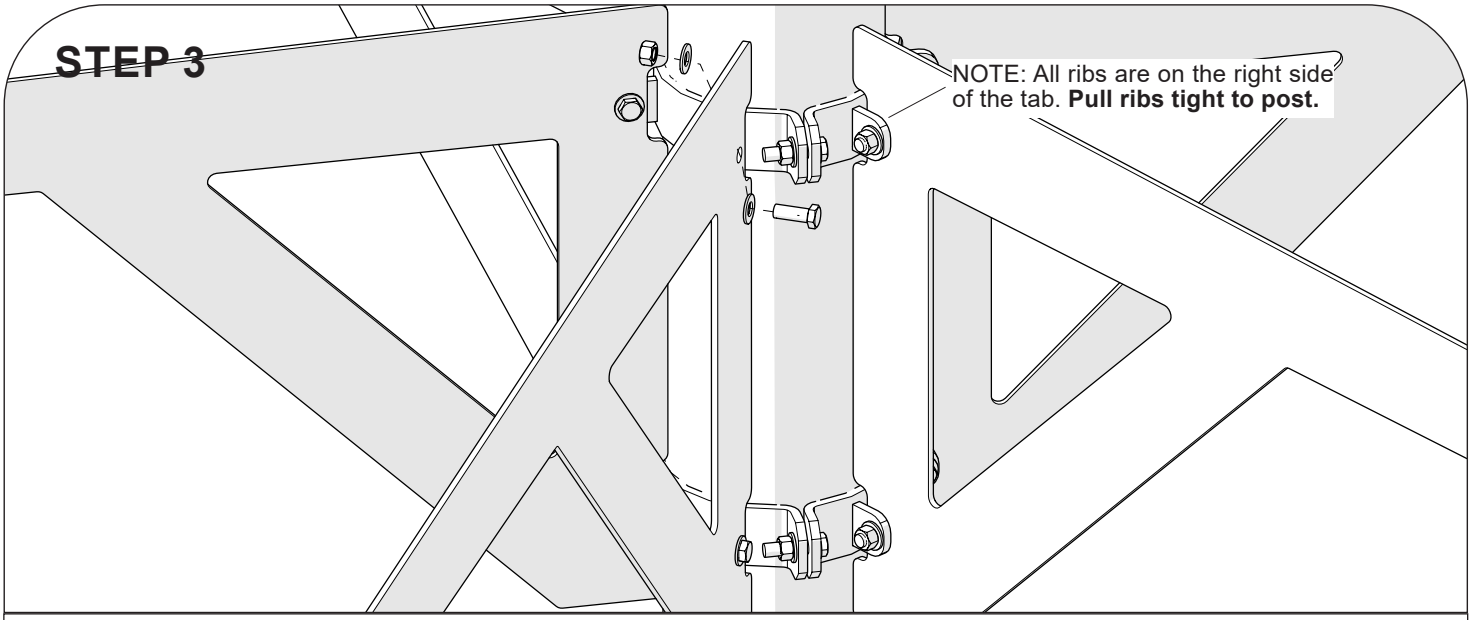


NOTE: Rivets will set clamp height and orientation.



4x	Rib Clamp (249292)	4x	⅜” x 1 ½” Hex Screw (100208)
2x	1/4 x 5/8" Drive Rivet (10610)	8x	3/8" SAE Washer (100365)
4x	3/8" Standard Hex Nut (100327)		

STEP 3



NOTE: All ribs are on the right side of the tab. **Pull ribs tight to post.**

6x	Rib (249295)	12x	⅜” x 1” Hex Screw (100206)
12x	3/8" Standard Hex Nut (100327)	24x	3/8" SAE Washer (100365)

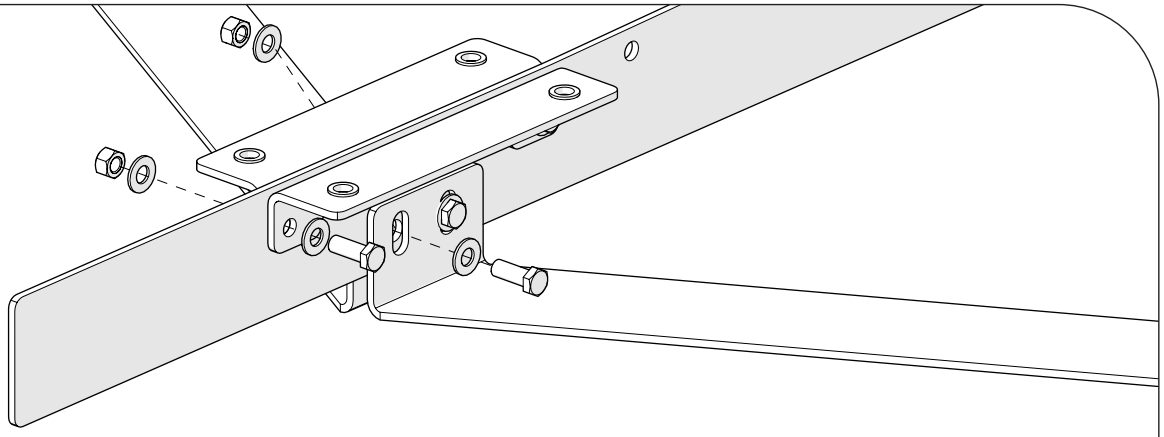
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STEP 4



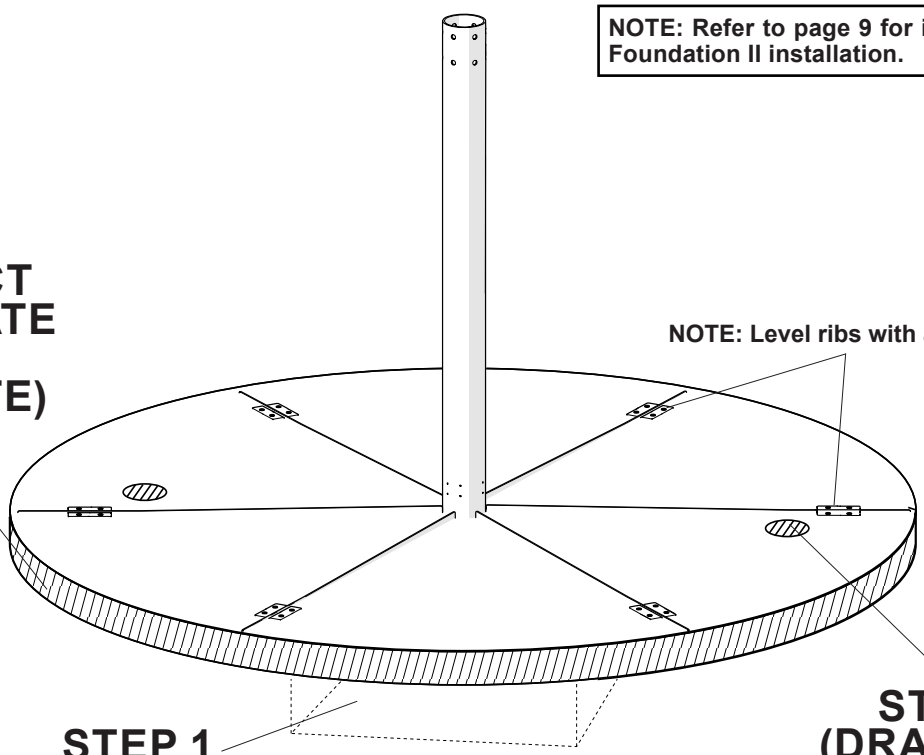
12x	Rib Bracket (249299)	24x	⅜" x 1" Hex Screw (100206)
24x	3/8" Standard Hex Nut (100327)	48x	3/8" SAE Washer (100365)
6x	Rib Footer (249297)		

FOUNDATION II

NOTE: Refer to page 9 for in-field photos of Foundation II installation.

STEP 3 (COMPACT AGGREGATE OR CONCRETE)

NOTE: Level ribs with aggregate/concrete



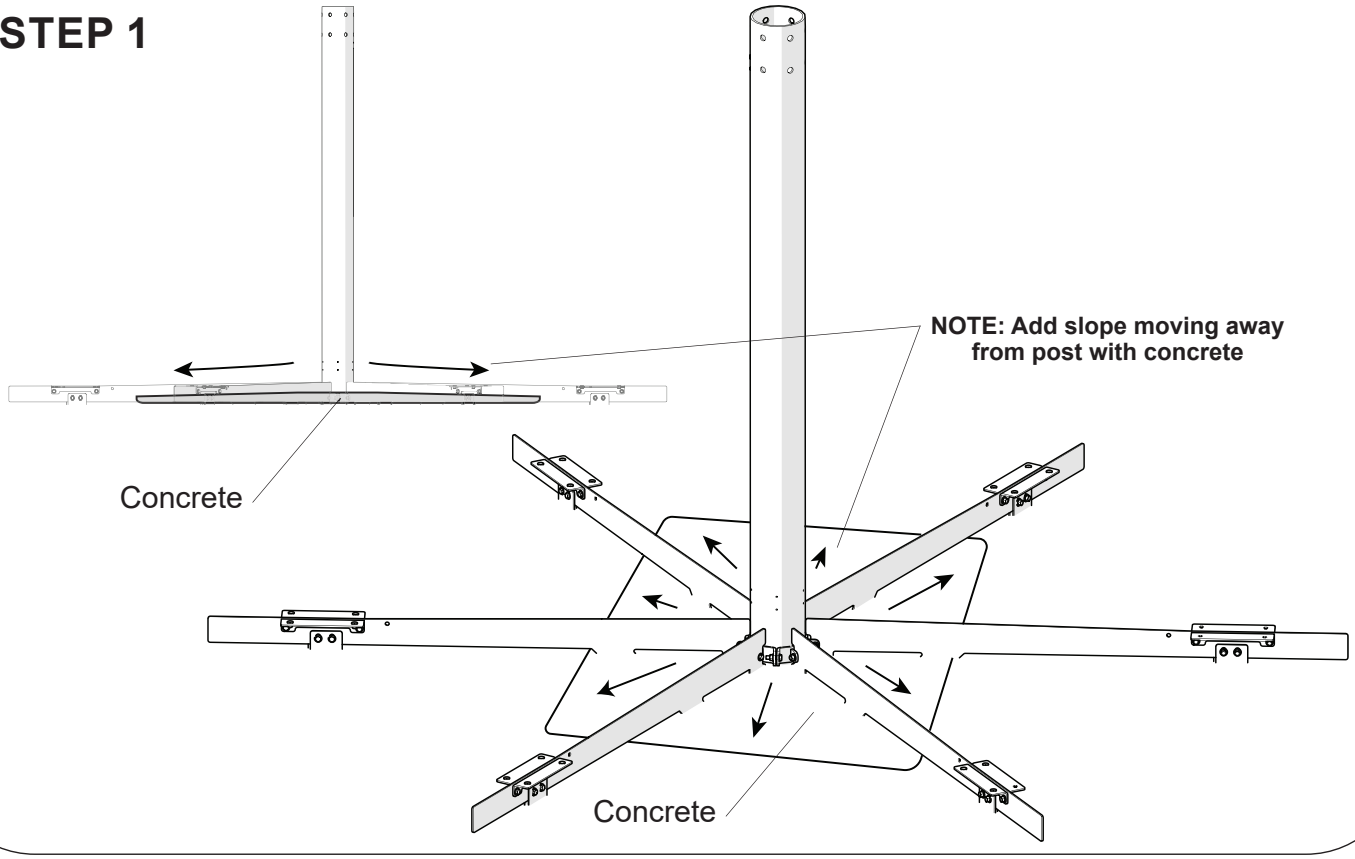
STEP 1 (CONCRETE)

STEP 2 (DRAINAGE)

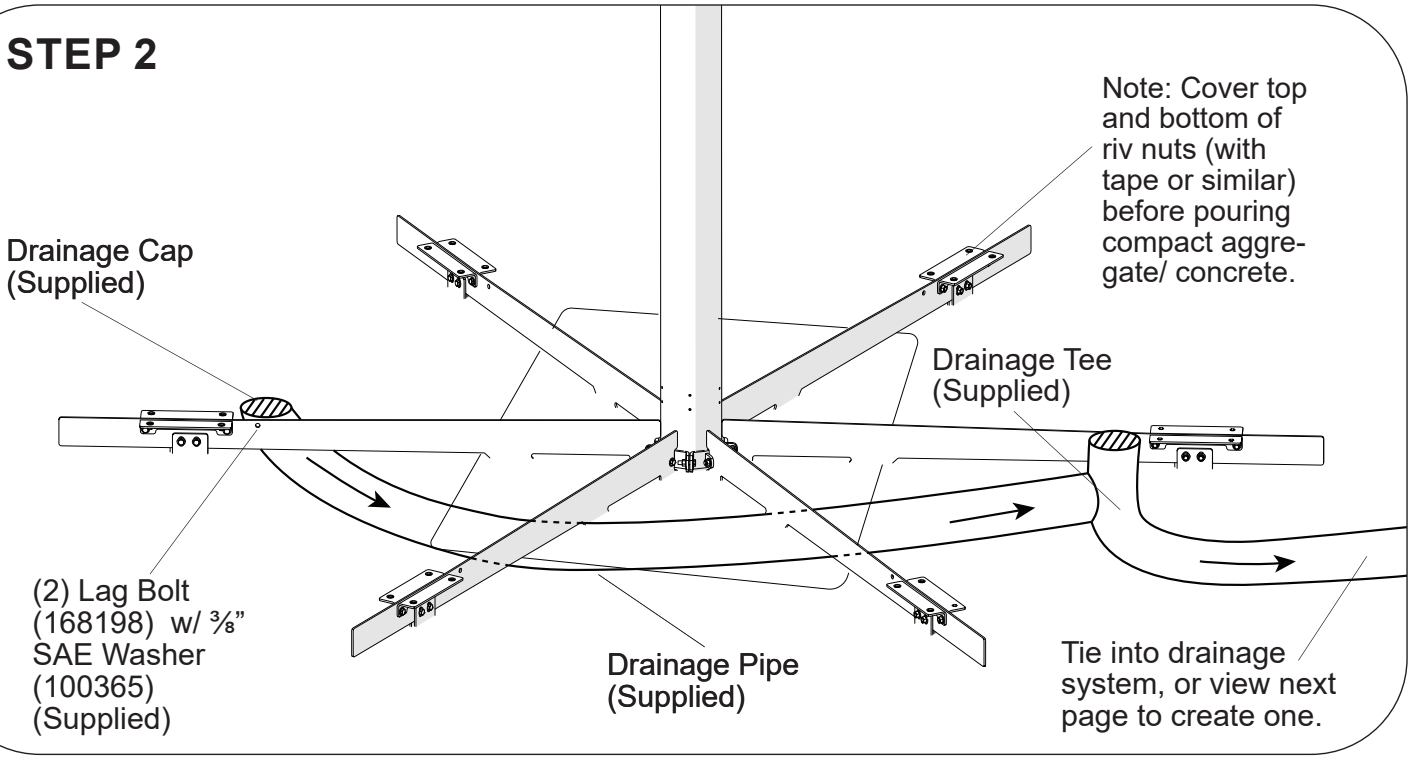
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STEP 1



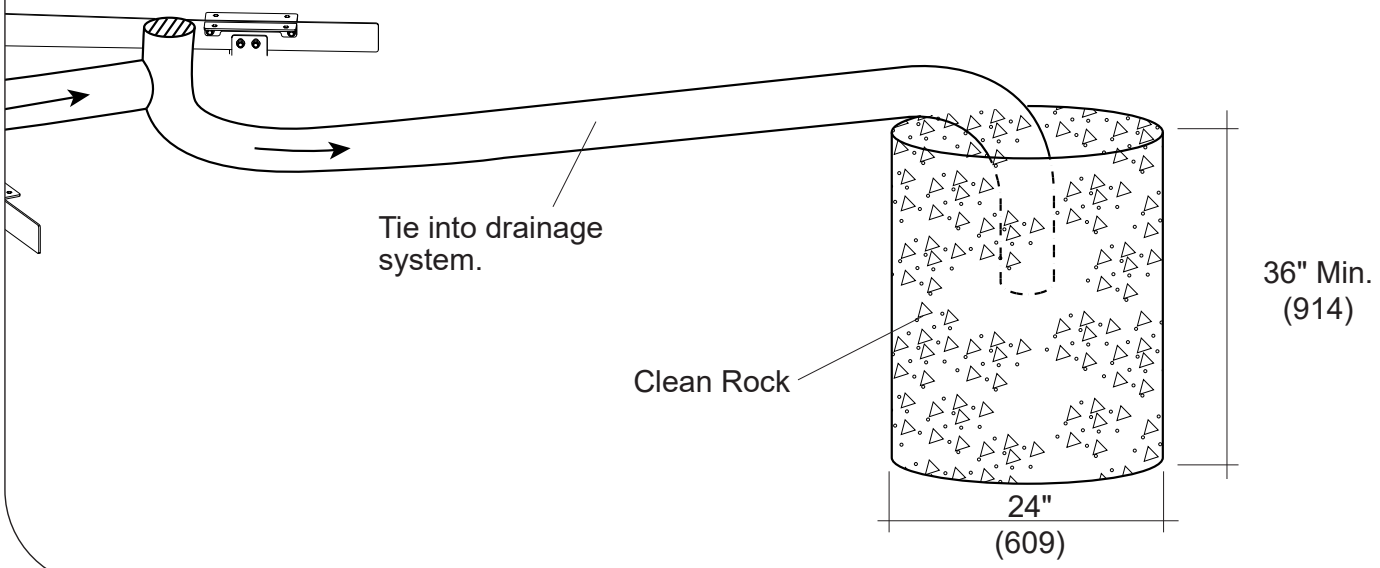
STEP 2



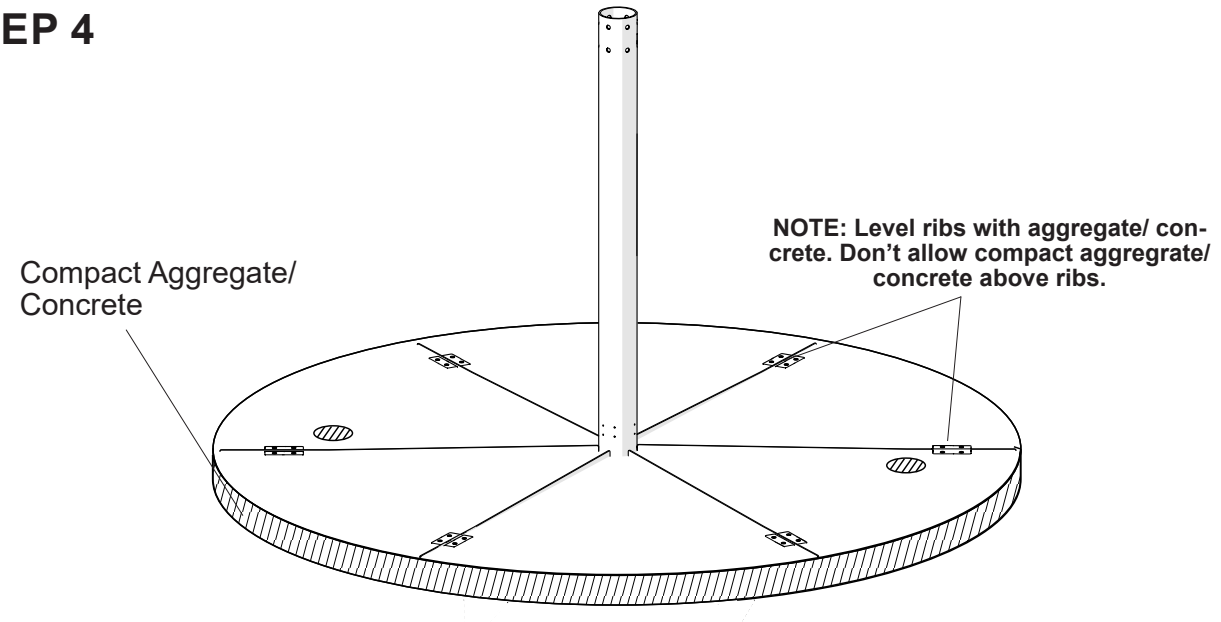
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STEP 3

Note: For sites without an existing drainage system.



STEP 4



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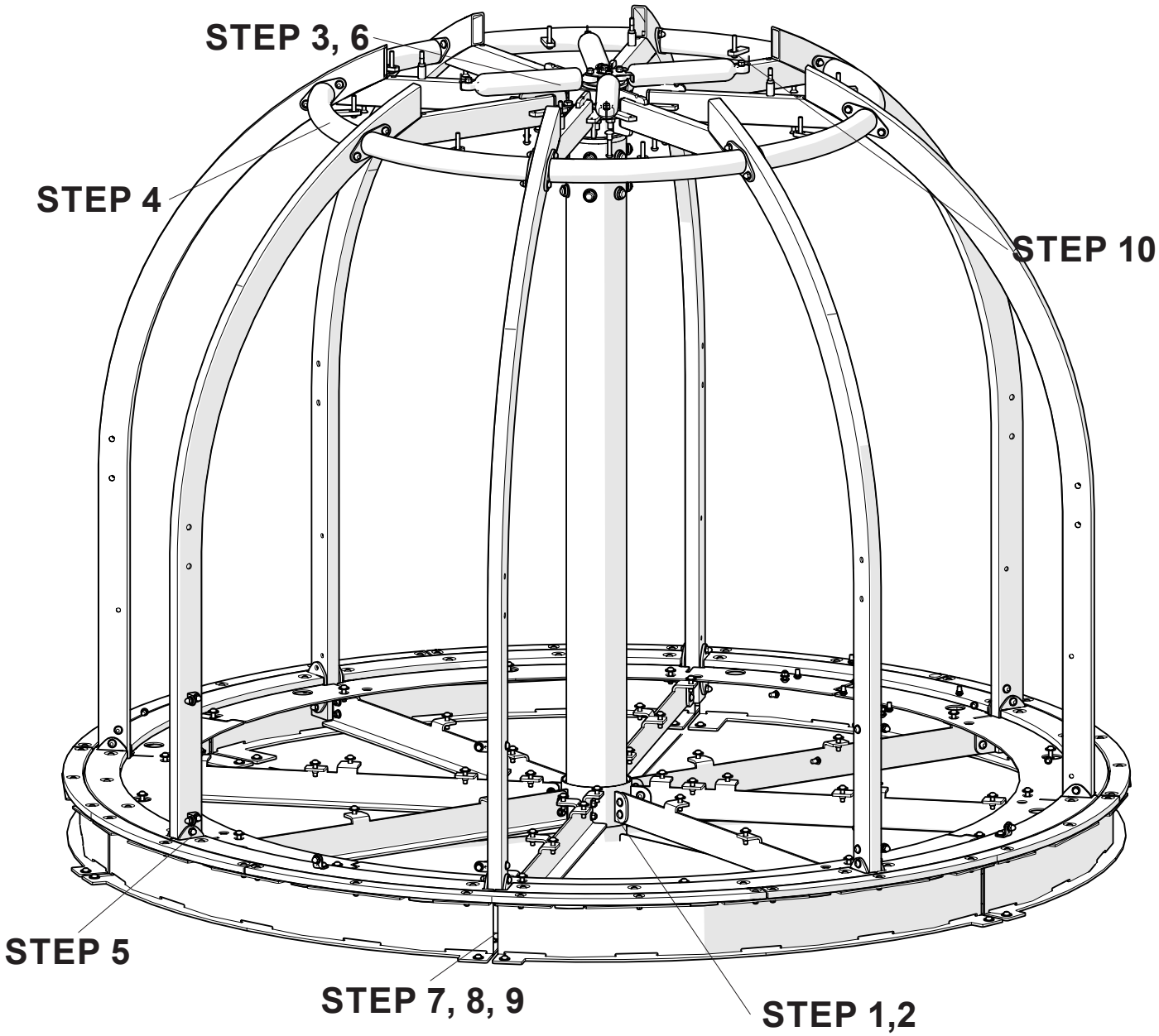






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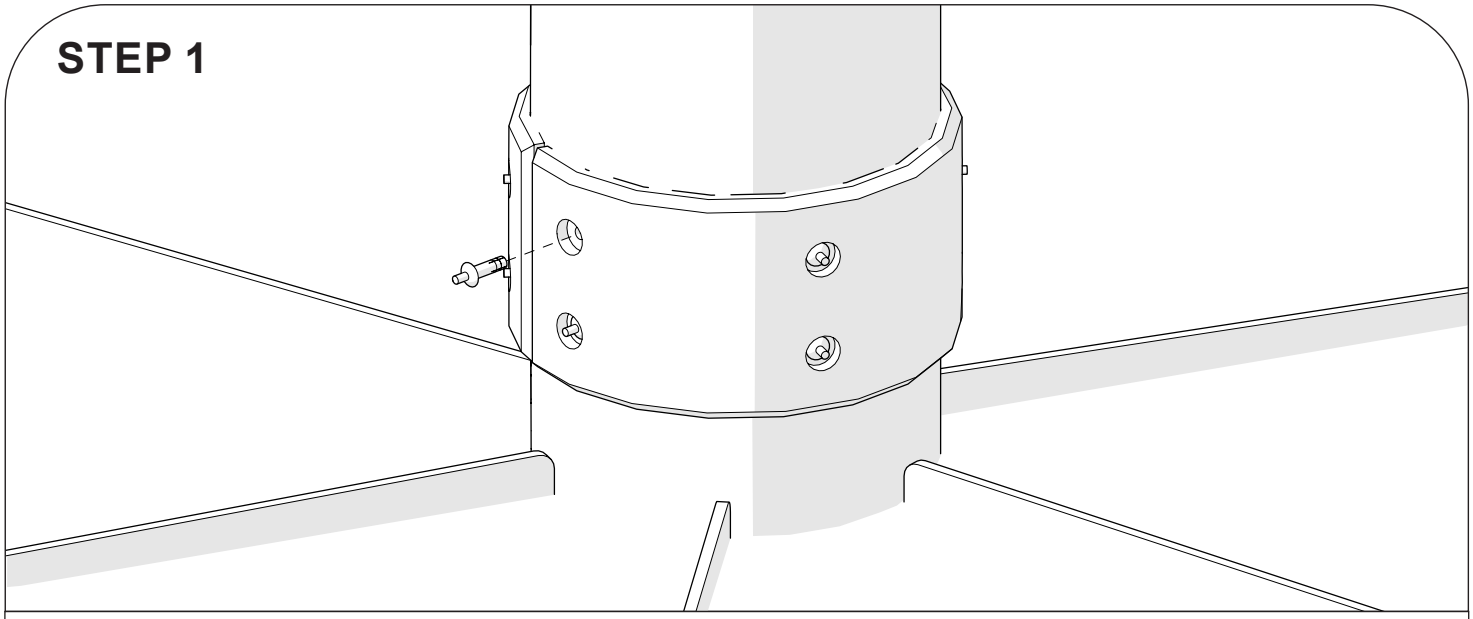
STRUCTURE



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STEP 1

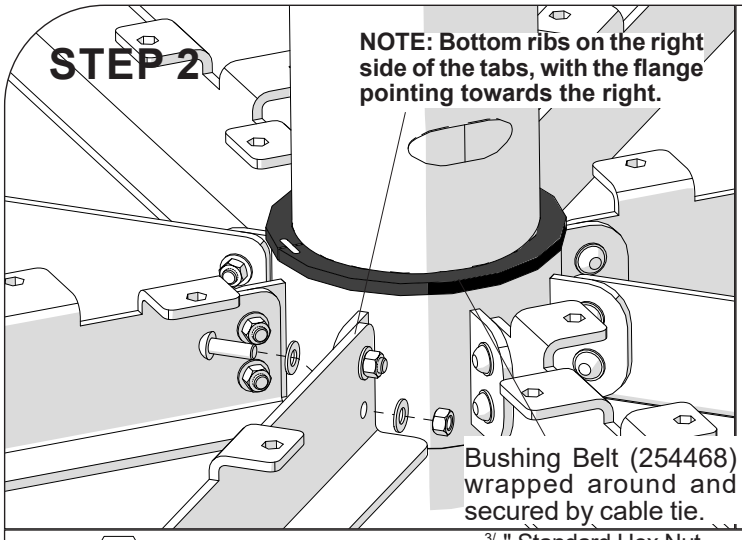


12x ..... 1/4" x 3/8" Drive Rivet (100611)

2x ..... Bushing Tube (292617)

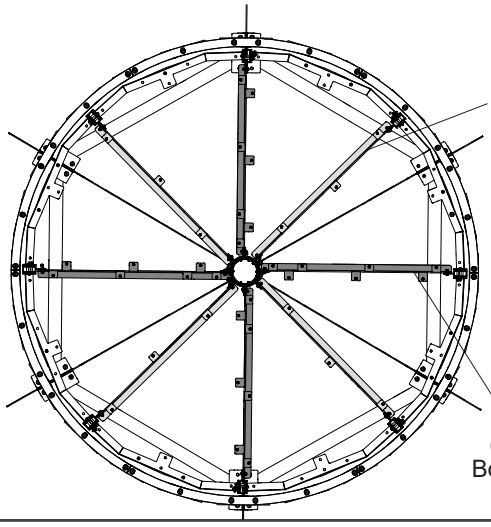
https://bit.ly/2T8GfGk

STEP 2



NOTE: Bottom ribs on the right side of the tabs, with the flange pointing towards the right.

Bushing Belt (254468) wrapped around and secured by cable tie.



(4) 3 Tab Bottom Rib

NOTE: Alternate 3 and 7 tab bottom ribs as shown.

(4) 7 Tab Bottom Rib

16x ..... 3/8" Standard Hex Nut (100327)

4x ..... 3 Tab Bottom Rib (249267)

4x ..... 7 Tab Bottom Rib (249266)

1x ..... Bushing Belt (254468)

16x ..... 3/8 x 1 1/8" BHCS (100198)

32x ..... 3/8" SAE Washer (100365)

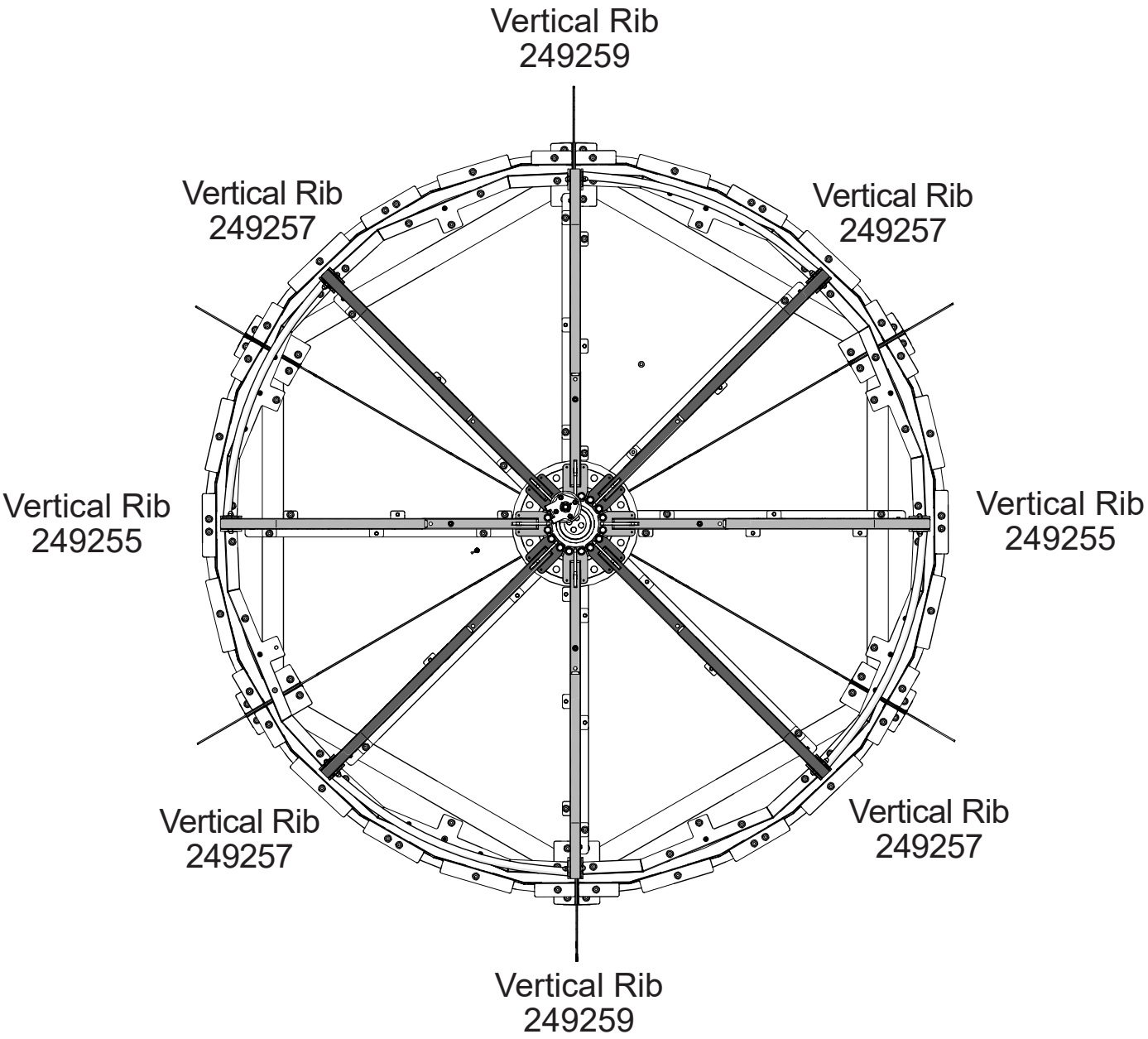
1x ..... Bottom Rib Mount (248520)

1x ..... Cable Tie 5 - 3/4" (109680)

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REFERENCE FOR STEP 4

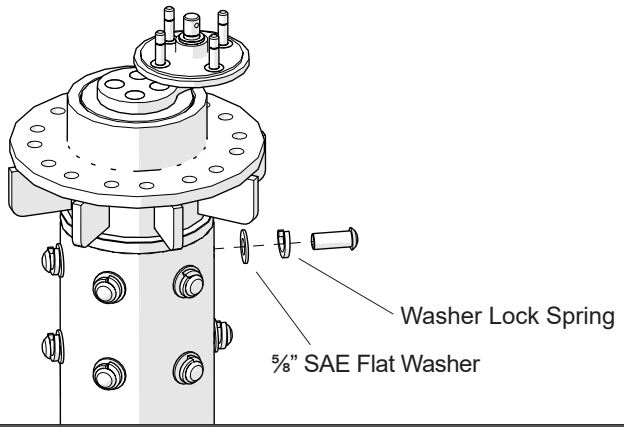
NOTE: Orientation of the Vertical ribs and 3 Tab/ 7 Tab Bottom ribs are independent of each other.



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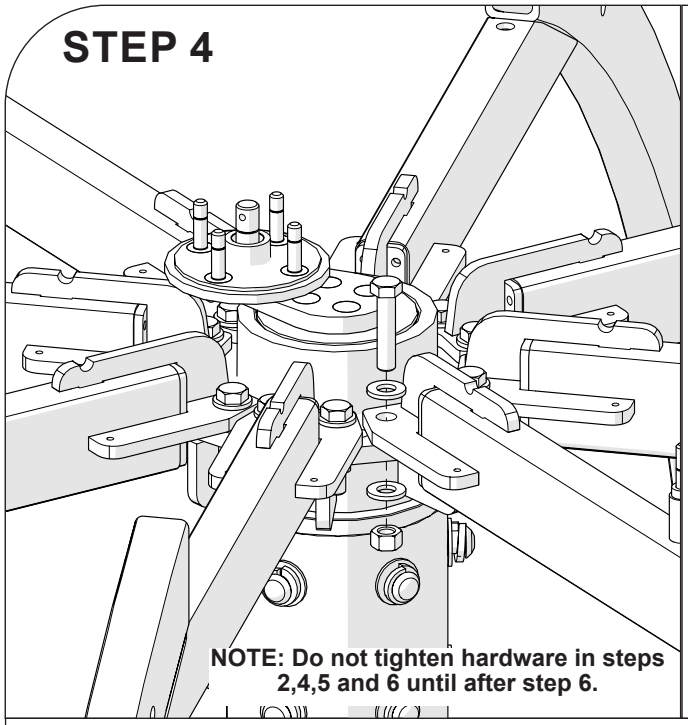
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STEP 3

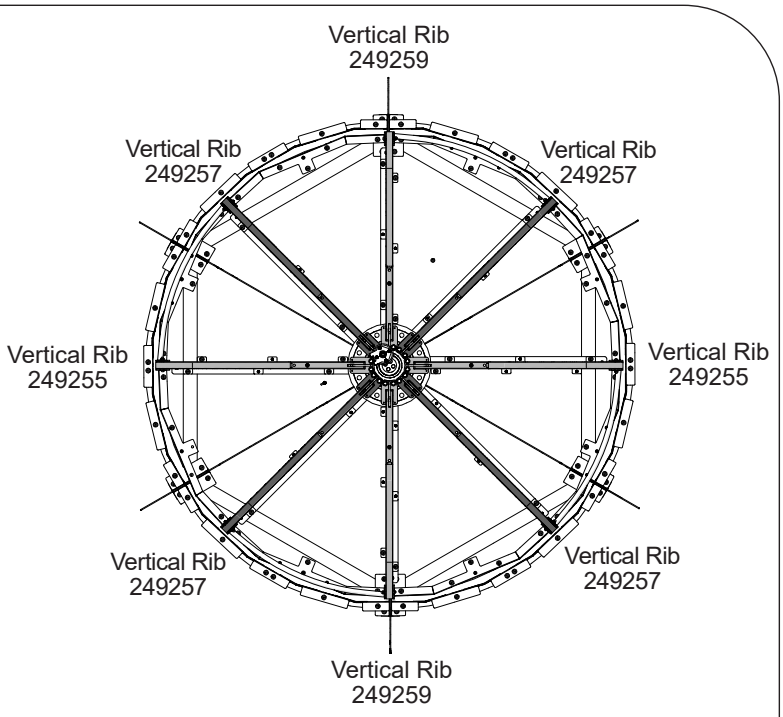


1x	1.25 Offset Bearing and Hub Assembly (254134)	12x	$^{5}/_{8}$ x 1 $^{1}/_{2}$" BHCS (100201)
12x	⅝" SAE Flat Washer (129500)	12x	Washer Lock Spring (175652)

STEP 4



NOTE: Do not tighten hardware in steps 2,4,5 and 6 until after step 6.

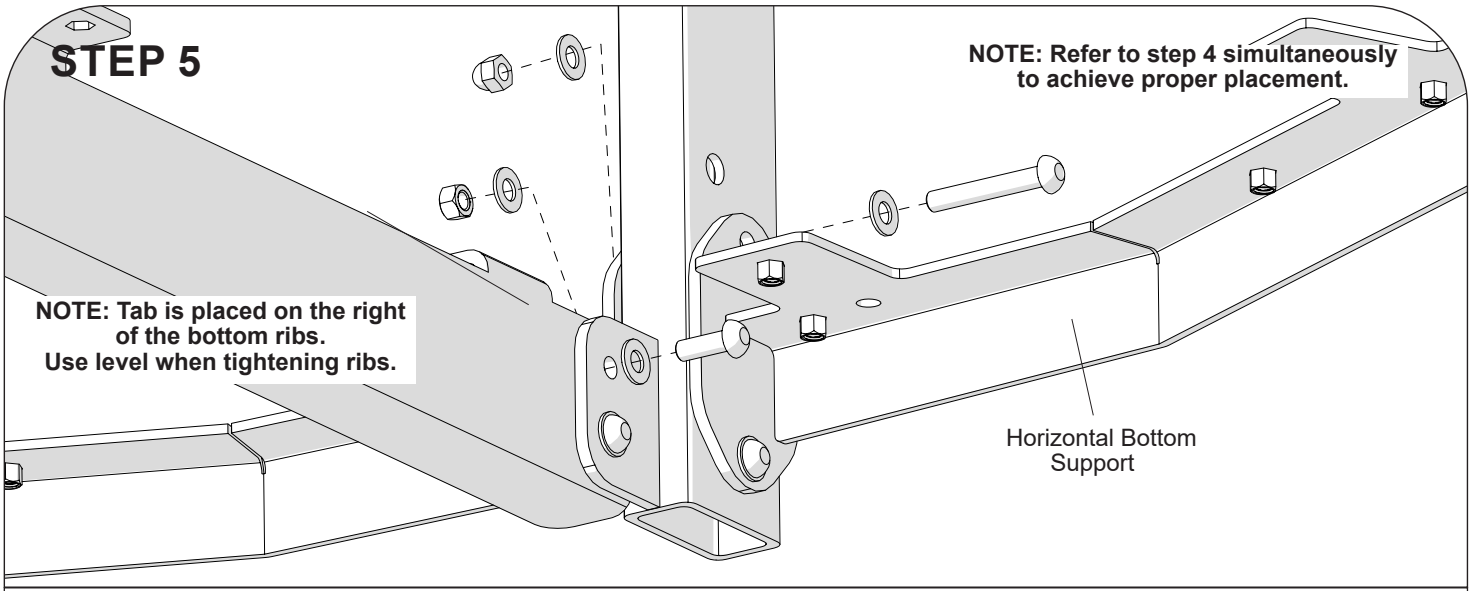


2x	Vertical Rib w/Pin and 1 Insert (249259)	16x	$^{1}/_{2}$" Standard Hex Nut (129692)
4x	Vertical Rib w/o Pin and 1 Insert (249257)	16x	½" x 2 ¼" Hex Screw (131862)
2x	Vertical Rib w/Pin and 4 Inserts (249255)	32x	$^{1}/_{2}$" SAE Washer (113550)

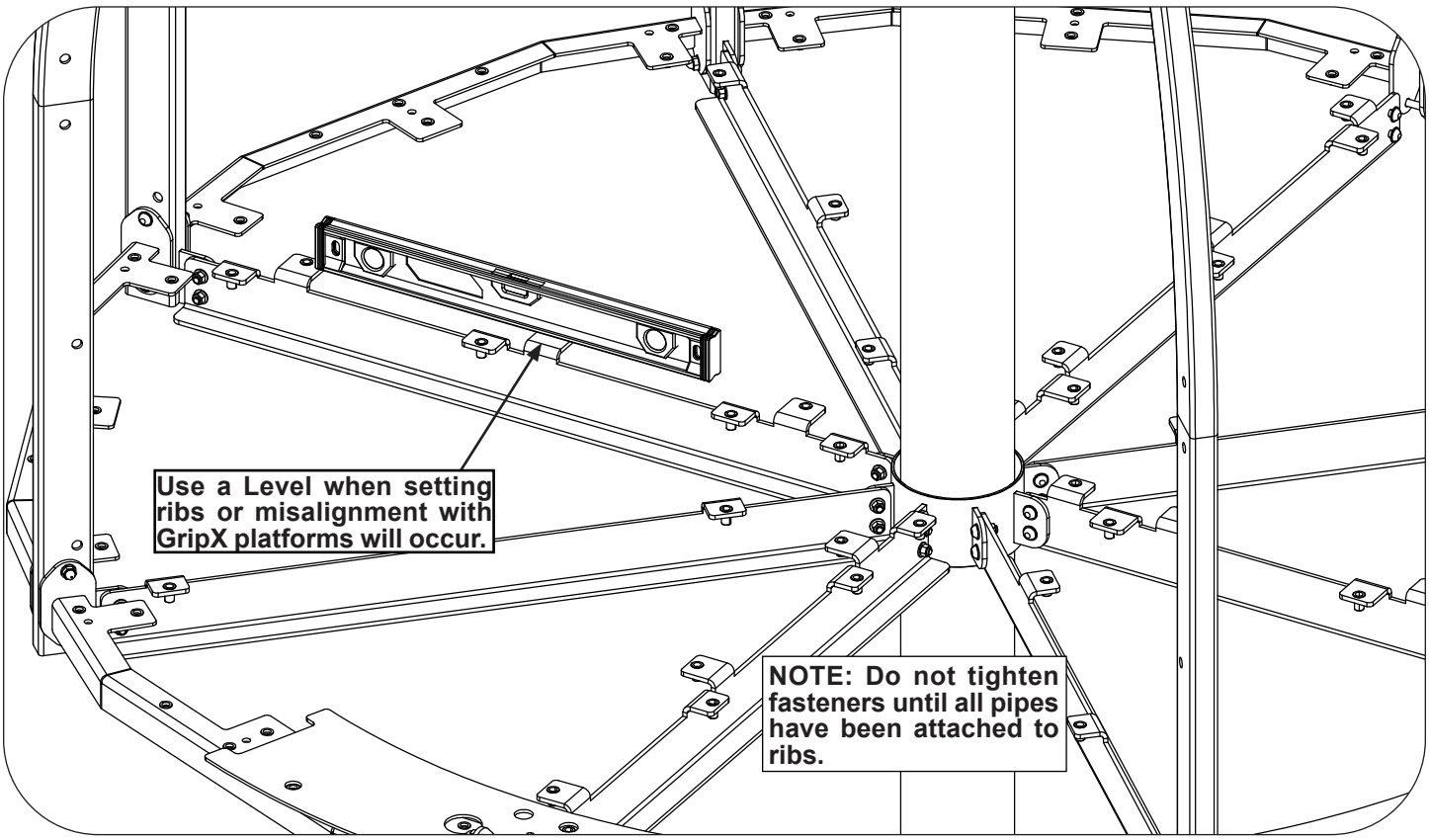
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STEP 5



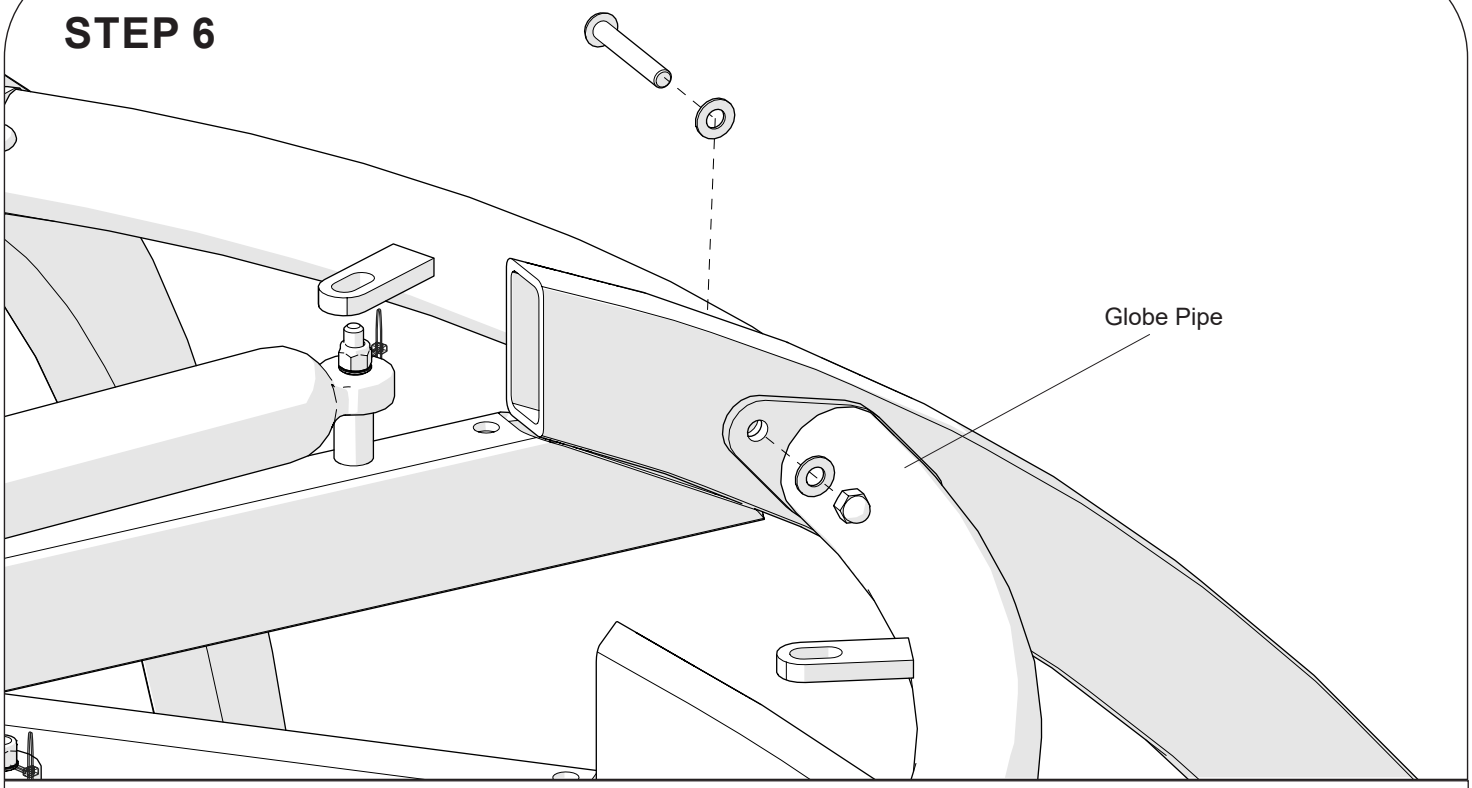
8x	Horizontal Bottom Support (249286)	16x	3/8" Standard Hex Nut (100327)
16x	3/8" Low Crown Hex Nut (100349)	64x	3/8" SAE Washer (100365)
16x	3/8 x 2 1/2" BHCS (100174)	16x	3/8 x 1 1/8" BHCS (100198)



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STEP 6

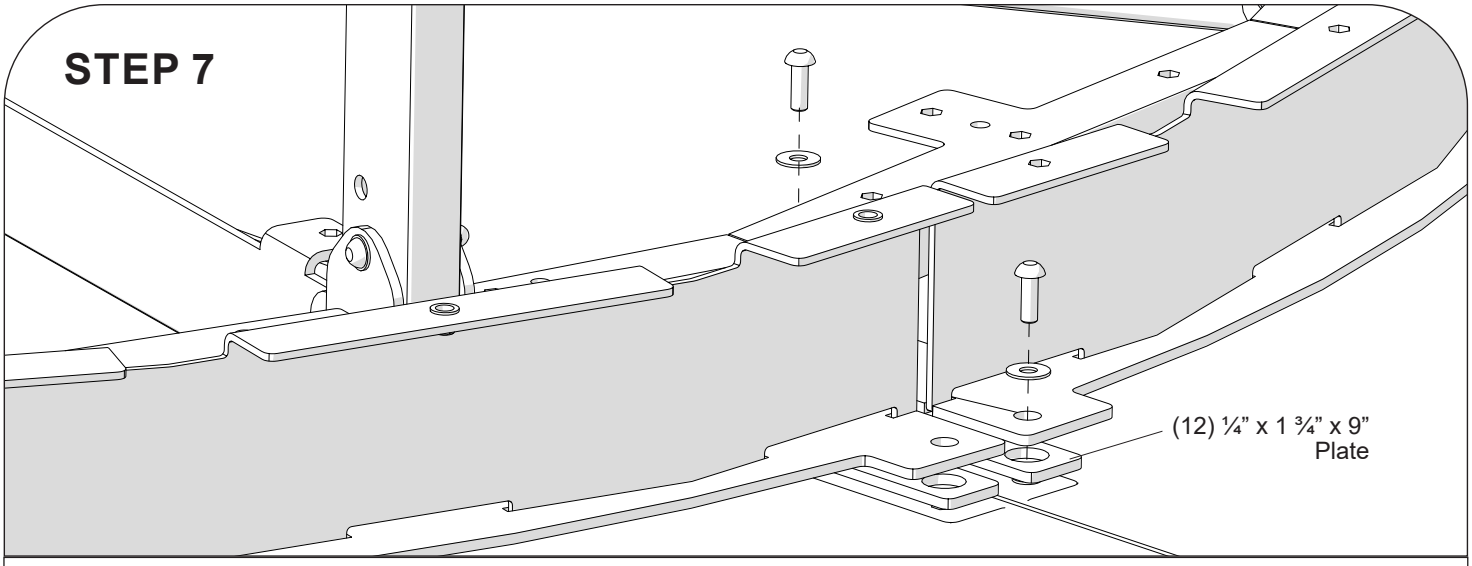


8x	Globe Pipe (212866)	16x	$^{3}/_{8}$ x 2 $^{1}/_{2}$" BHCS (100174)
16x	$^{3}/_{8}$" Low Crown Hex Nut (100349)	32x	$^{3}/_{8}$" SAE Washer (100365)

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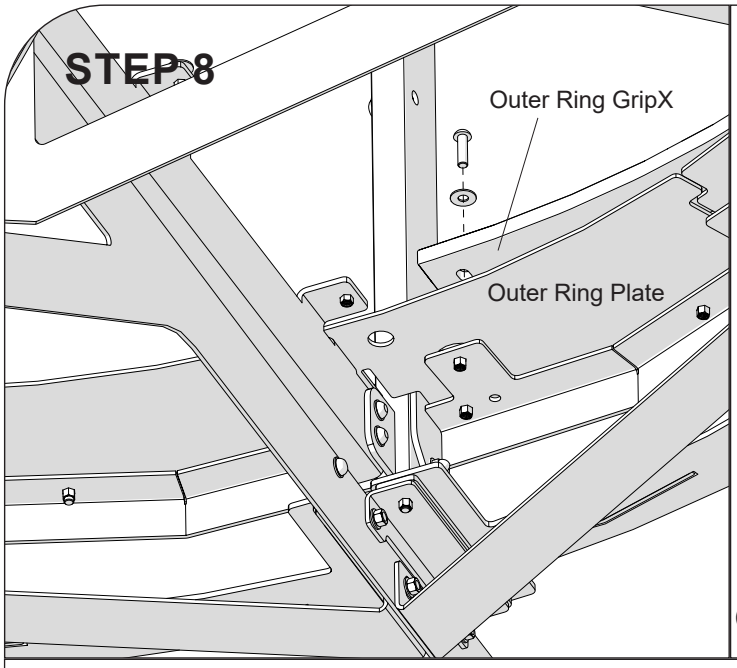
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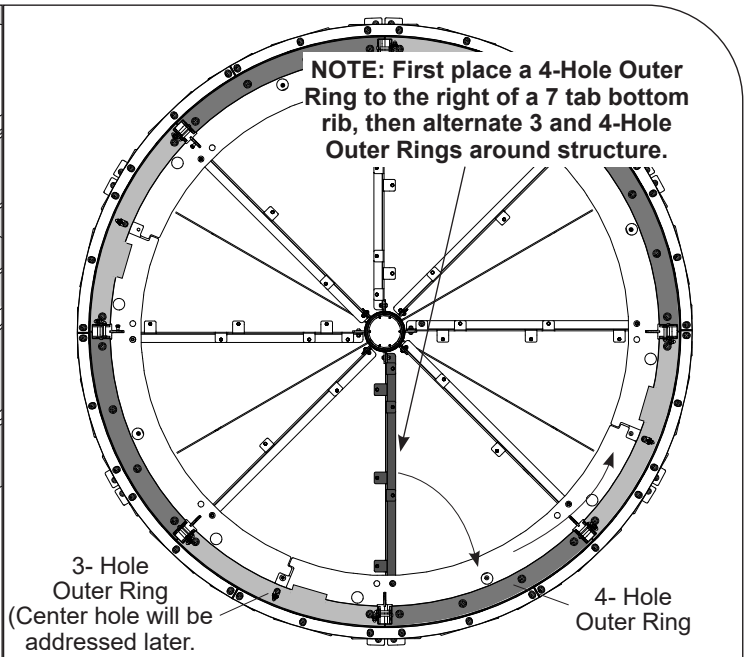
STEP 7



6x	Skirt (249289)	24x	$^{3}/_{8}$ x 1 $^{1}/_{8}$" BHCS (100198)
24x	$^{3}/_{8}$" Flat Washer (100362)	12x	¼" x 1 ¾" x 9" Plate (253792)

STEP 8





4x	Black 3- Hole Outer Ring GripX (297891)	24x	$^{3}/_{8}$ x 1 $^{3}/_{8}$" BHCS (113027)
4x	Black 4 Hole Outer Ring GripX (246441)	24x	$^{3}/_{8}$" Flat Washer (100362)
4x	Outer Ring Plate (250371)		

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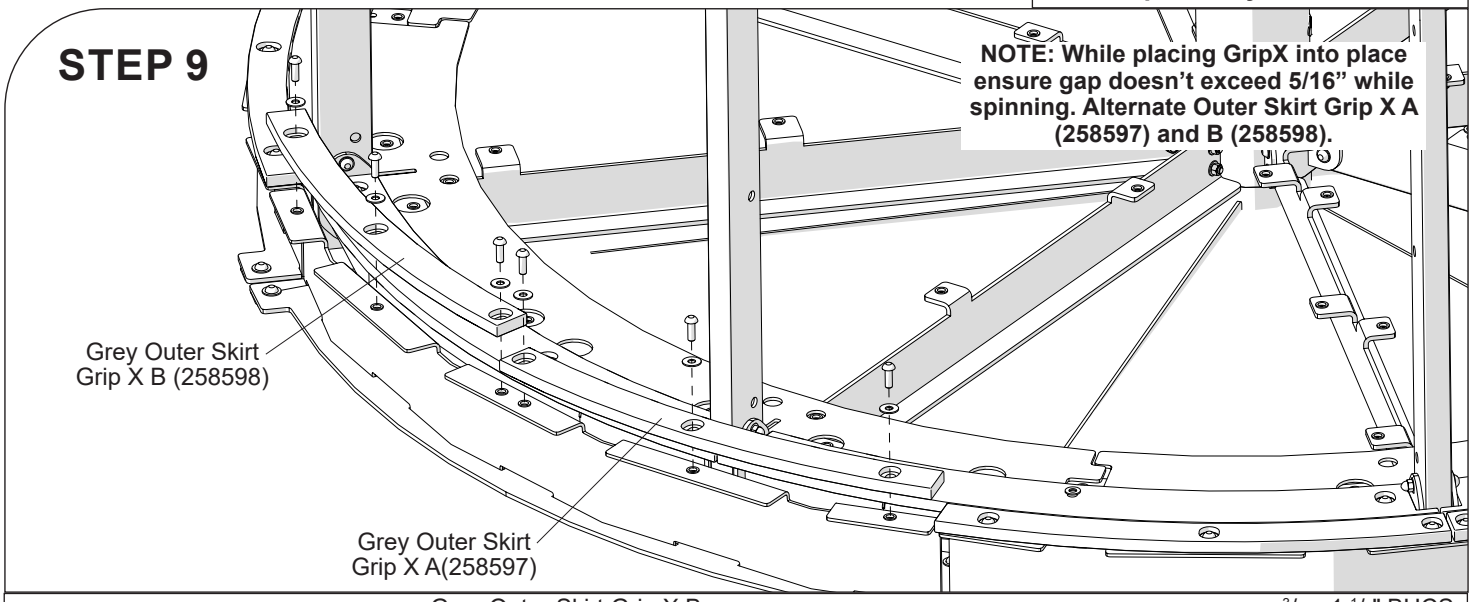
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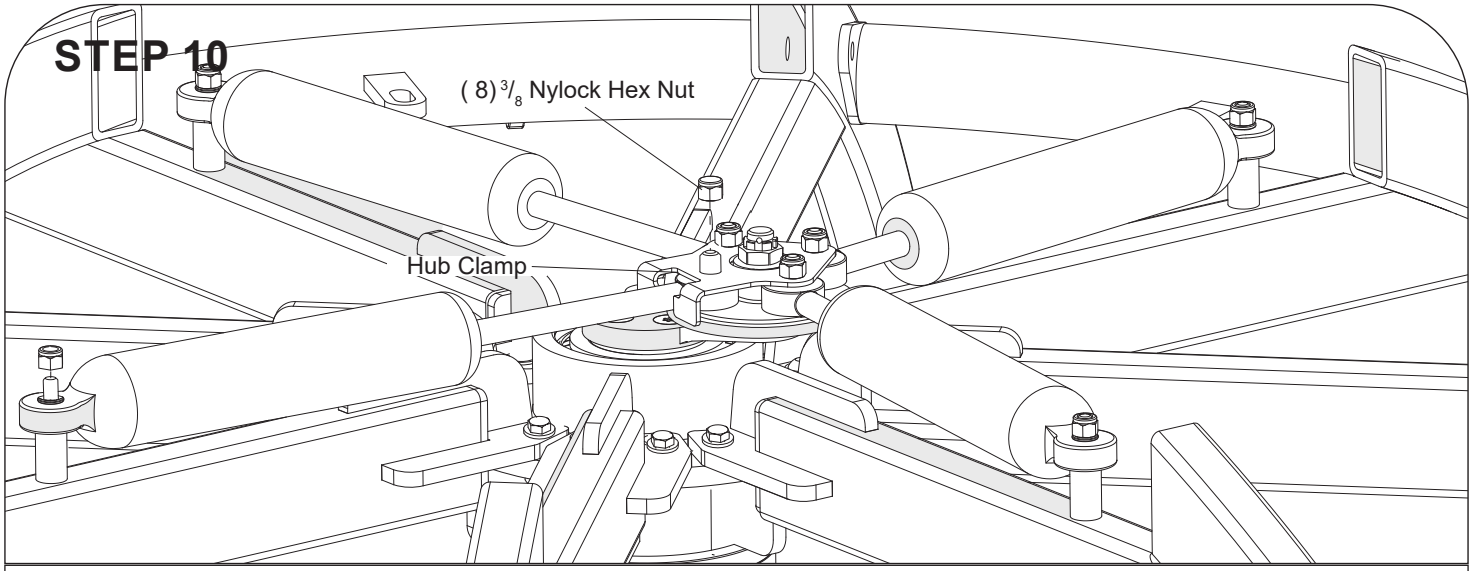
STEP 9

NOTE: While placing GripX into place ensure gap doesn't exceed 5/16" while spinning. Alternate Outer Skirt Grip X A (258597) and B (258598).



6x	Grey Outer Skirt Grip X B (258598)	36x	3/8 x 1 1/8" BHCS (100198)
6x	Grey Outer Skirt Grip X A (258597)		
36x	3/8" Flat Washer (100362)		

STEP 10



4x	70 Series Shock (215884)	1x	Hub Clamp (222306)
8x	3/8 Nylock Hex Nut (136931)		

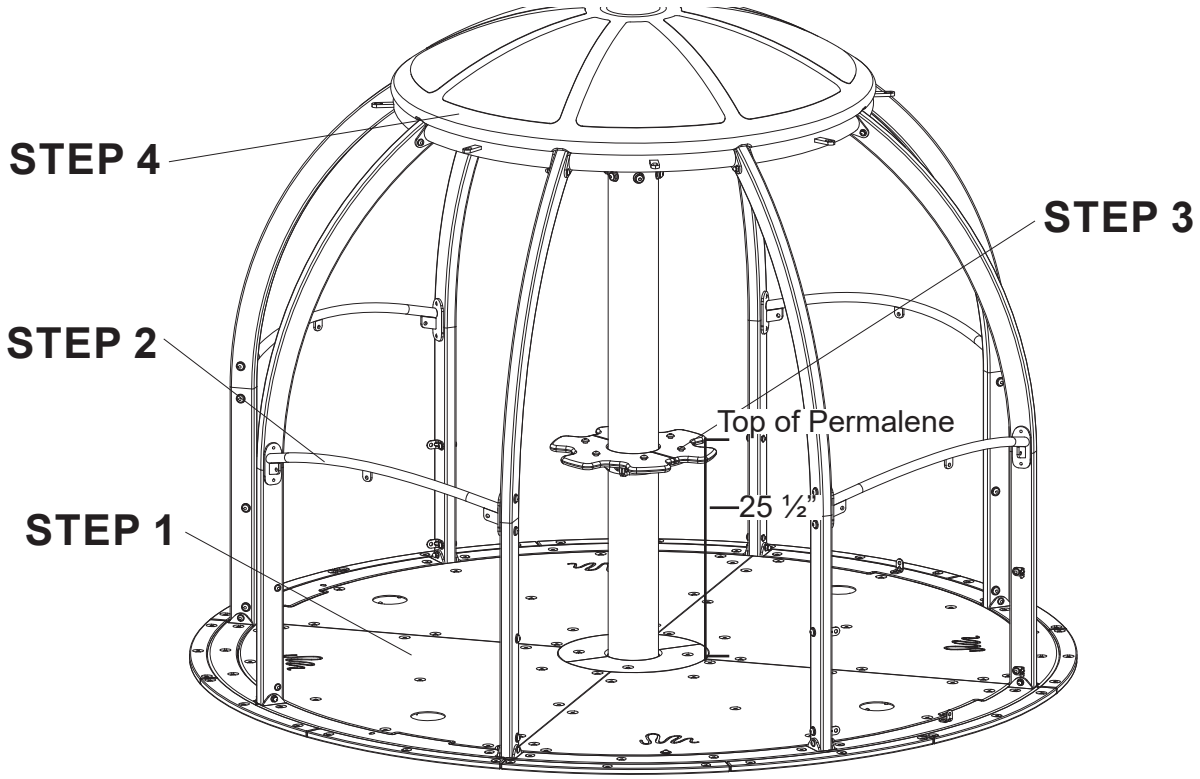
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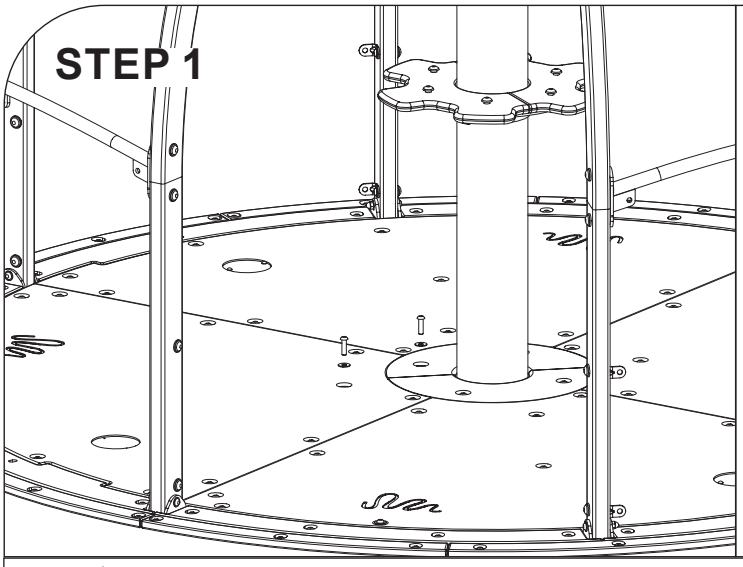
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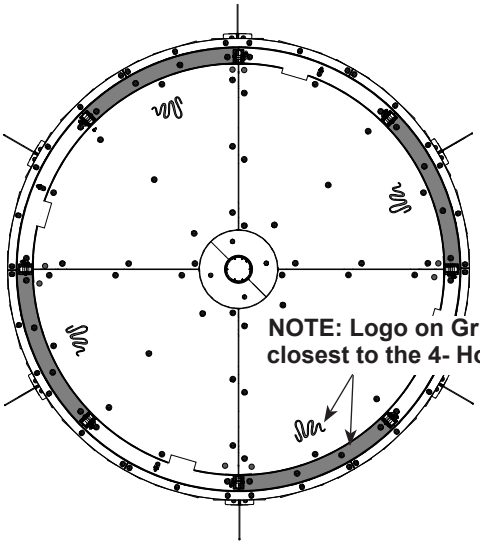
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INTERIOR I







56x	$^3/_8$ x 1 $^3/_8$" BHCS (113027)	4x	Black Outer Deck GripX (297889)
56x	$^3/_8$" Flat Washer (100362)	2x	Black Center Deck GripX (246435)

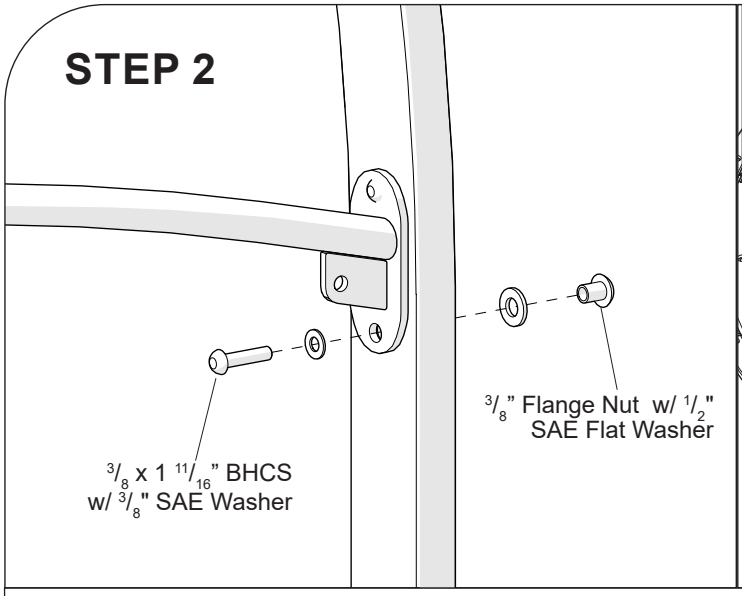
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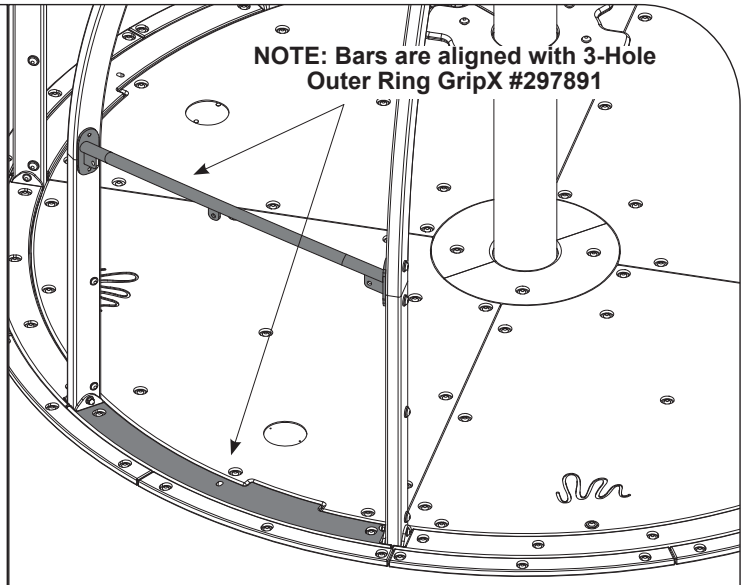
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STEP 2

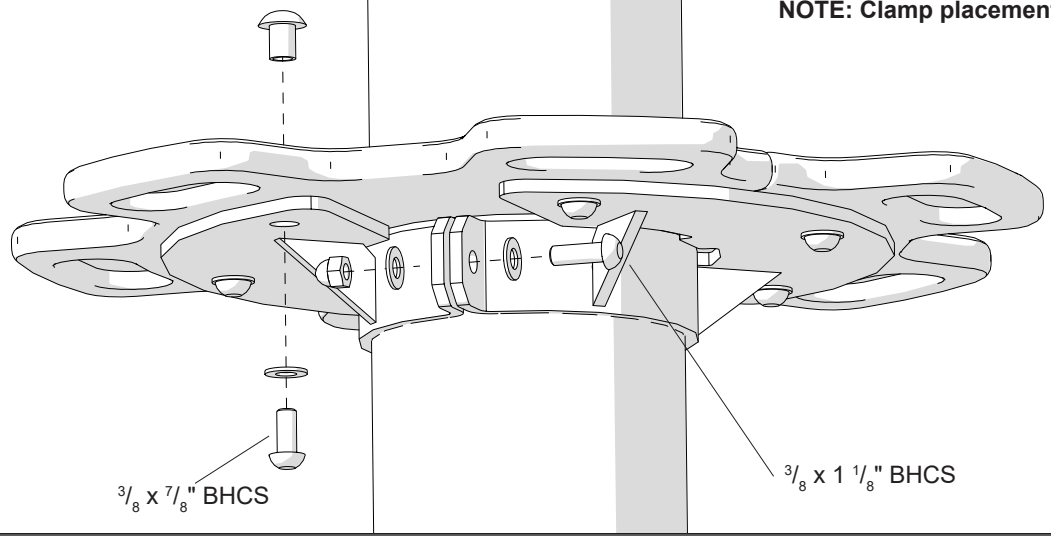




4x	Arch Support (249265)	16x	3/8" SAE Washer (100365)
16x	3/8 x 1 11/16" BHCS (123224)	16x	3/8" Flange Nut (100353)
16x	1/2" SAE Flat Washer (113550)		

STEP 3

NOTE: Clamp placement on Page 17

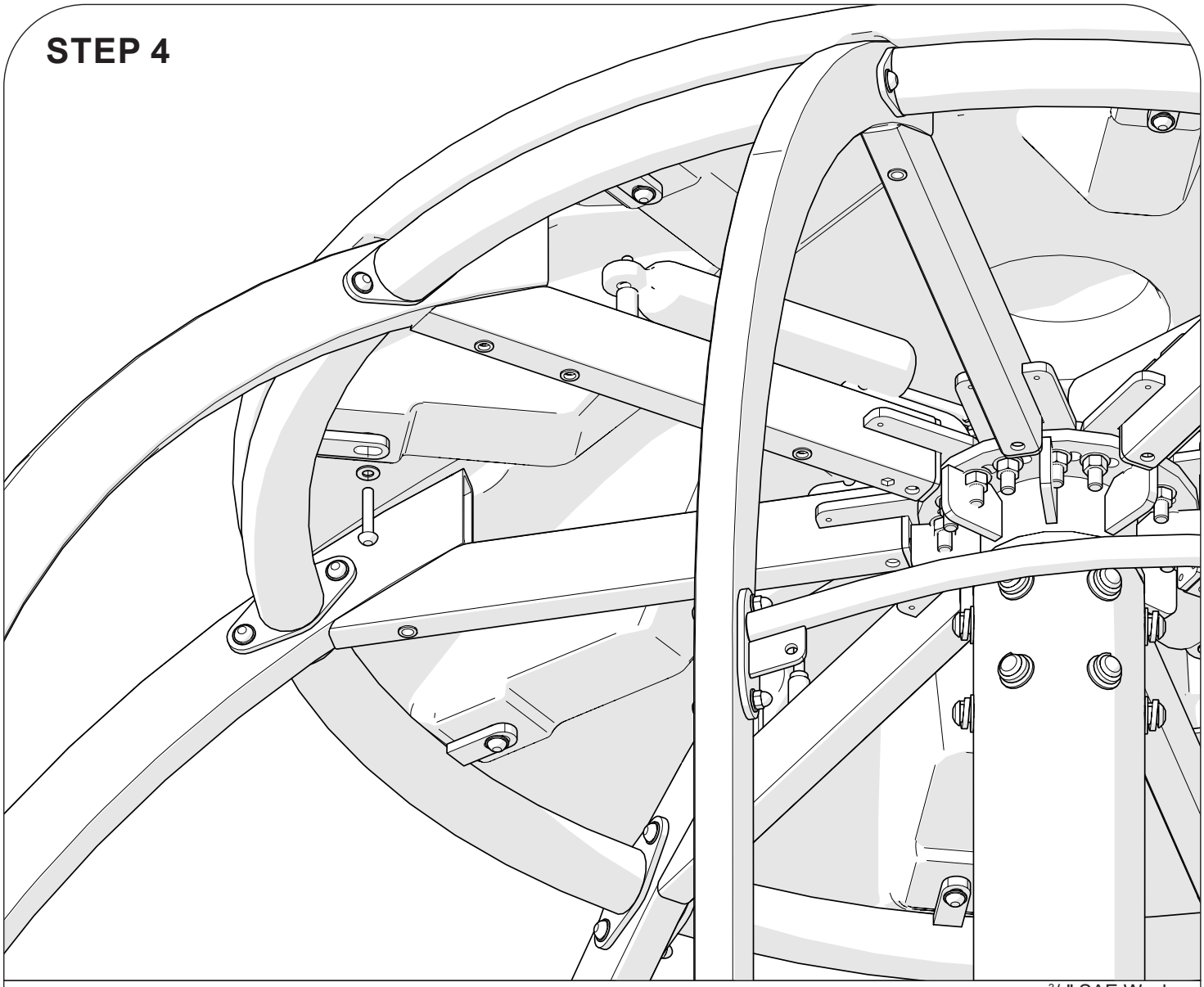


2x	Center Post Ring Weldment (249268)	10x	3/8" SAE Washer (100365)
2x	Center Ring Permalene (246424)	2x	3/8" Low Crown Hex Nut (100349)
2x	3/8 x1 1/8" BHCS (100198)	6x	3/8" Flange Nut (100353)
6x	3/8 x 7/8" BHCS (100196)		

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STEP 4



8x	$^{3}/_{8}$ x 2" BHCS (100173)	8x	$^{3}/_{8}$" SAE Washer (100365)
1x	Spinner Top (215474)		

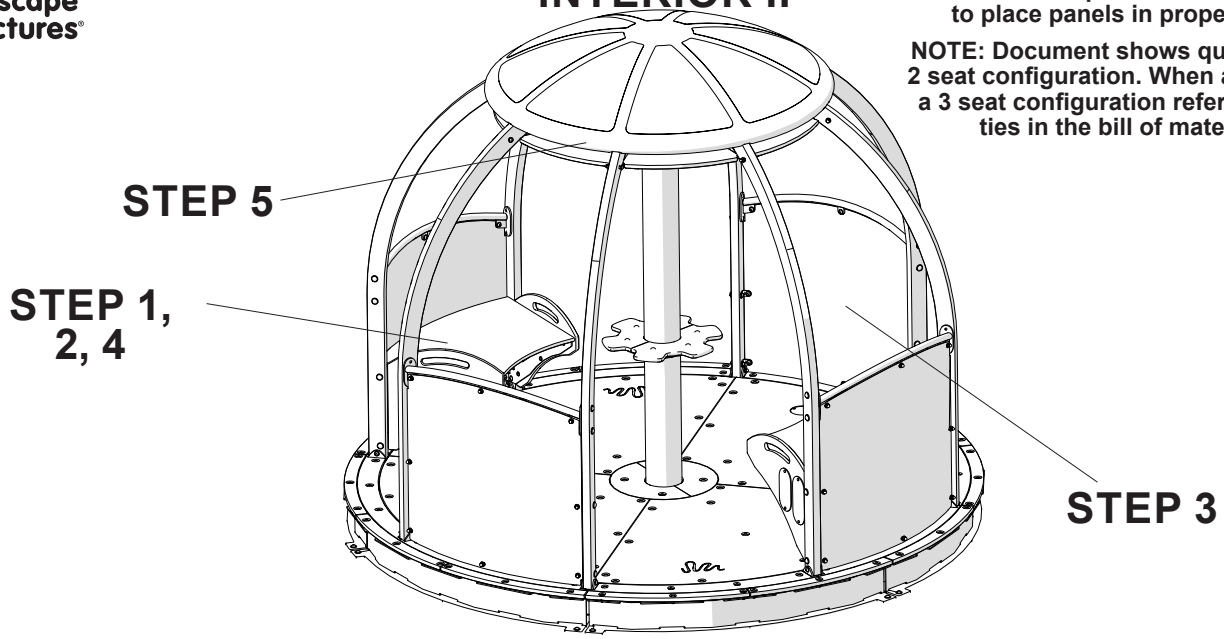
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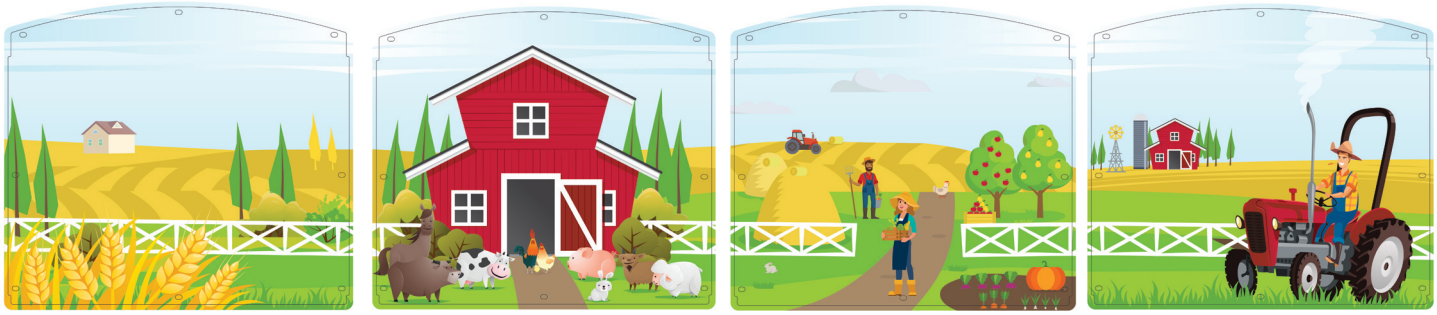
INTERIOR II

NOTE: Refer to panel orientation below to place panels in proper order.

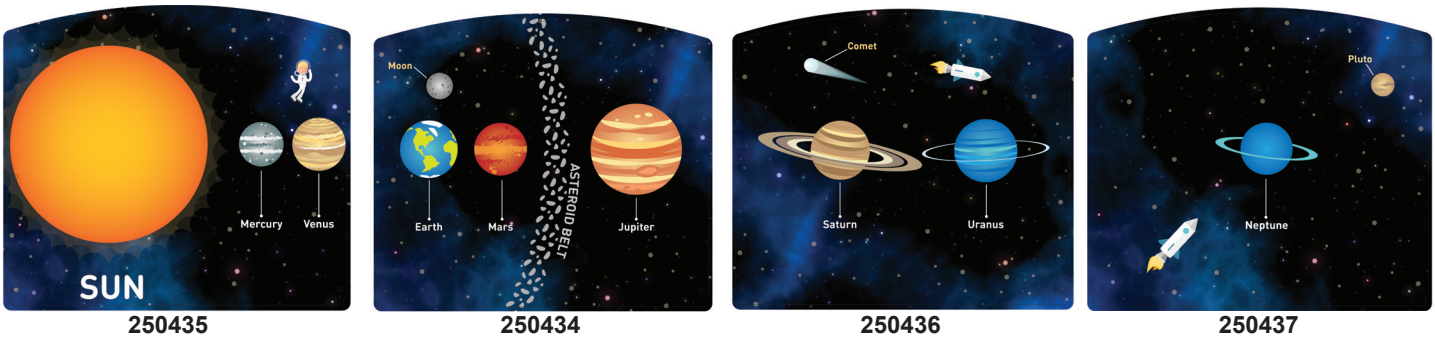
NOTE: Document shows quantities for 2 seat configuration. When assembling a 3 seat configuration refer to quantities in the bill of materials.



250426 250427 250428 250429



250430 250431 250432 250433



250435 250434 250436 250437

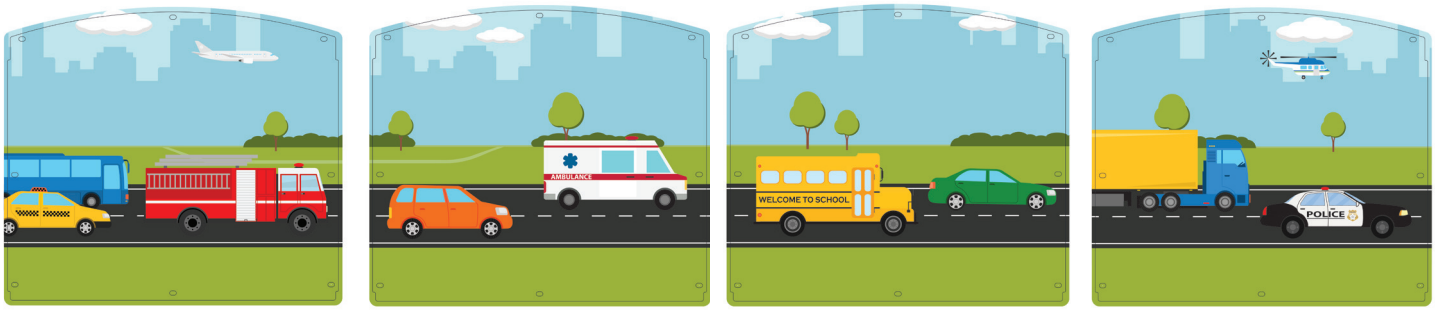


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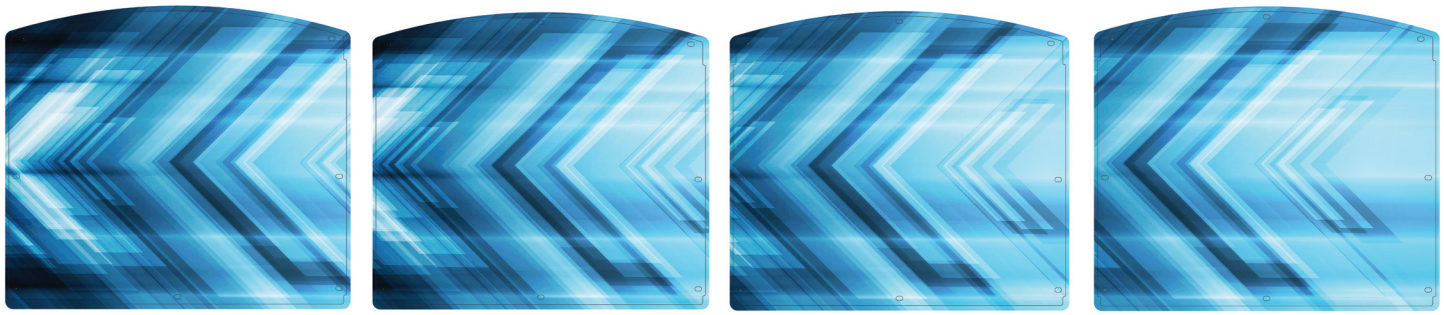
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NOTE: Refer to panel orientation below to place panels in proper order.

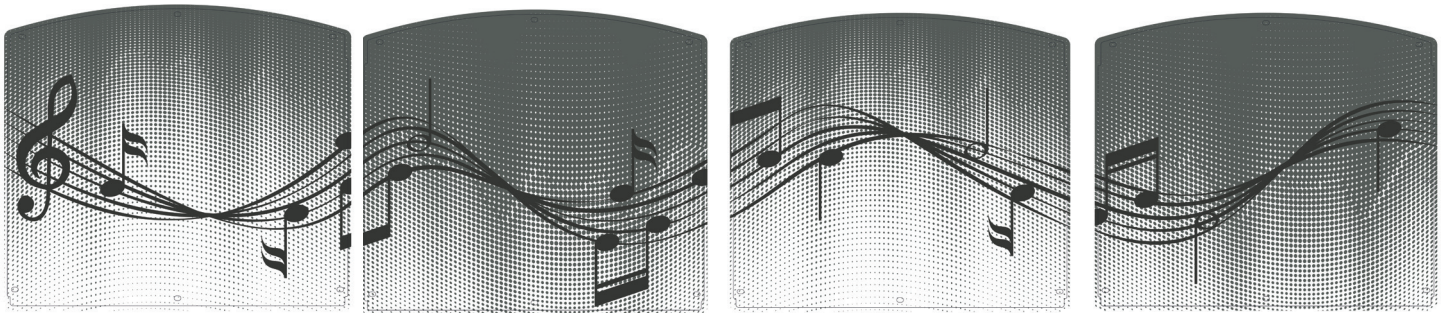
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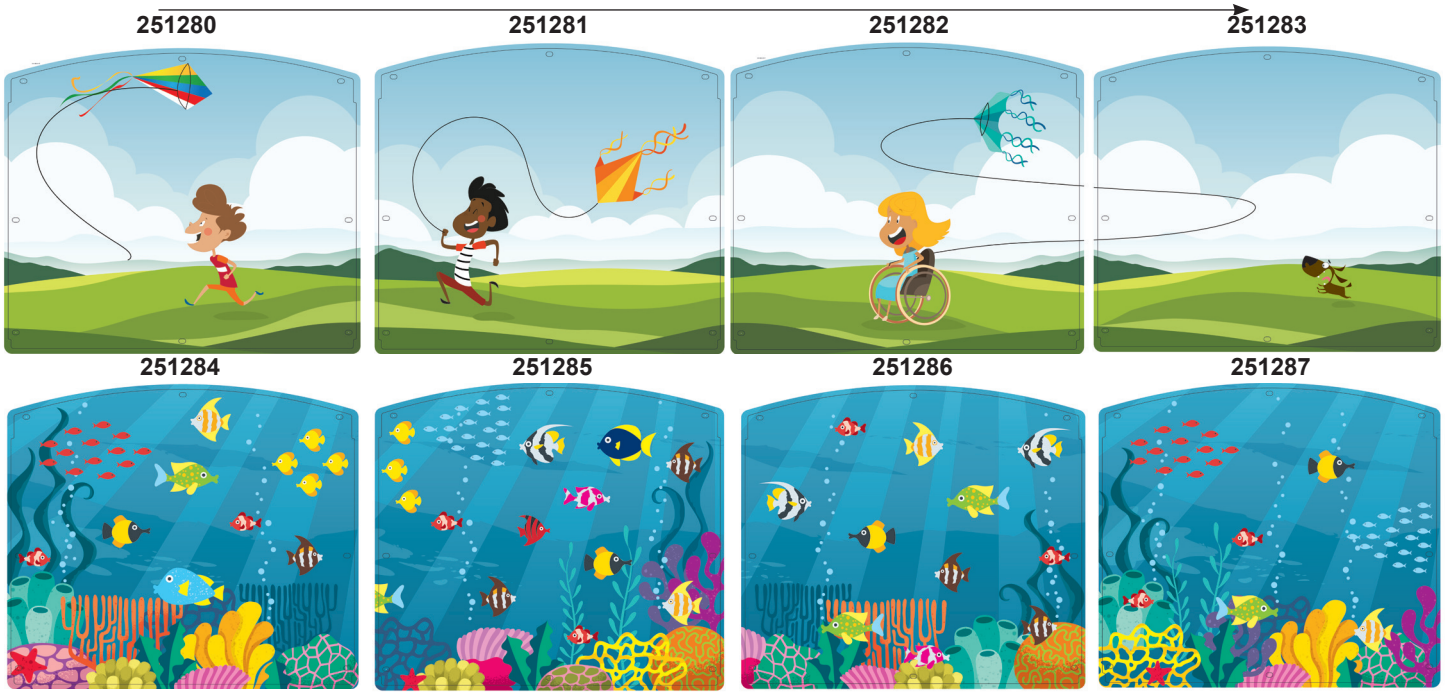
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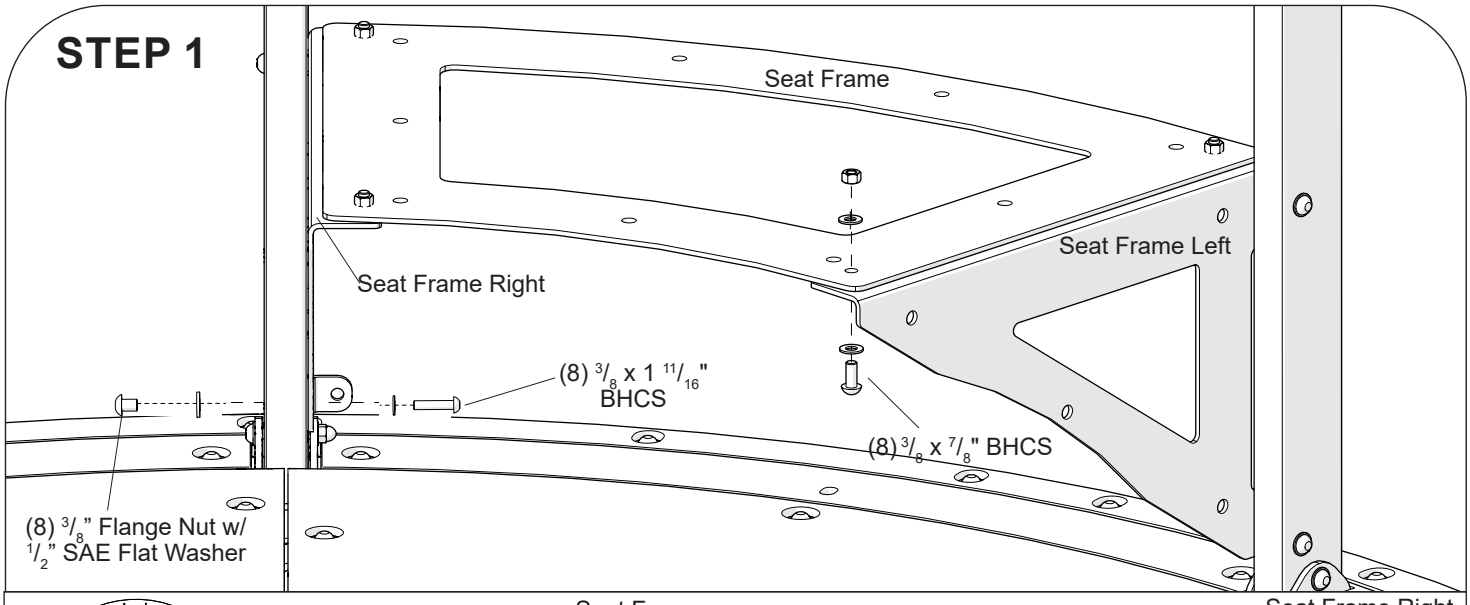
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NOTE: Refer to panel orientation below to place panels in proper order.



STEP 1



2x	Seat Frame (246444)	2x	Seat Frame Right (246442)
2x	Seat Frame Left (246443)	8x	3/8 x 7/8" BHCS (100196)
24x	3/8" SAE Washer (100365)	8x	3/8 x 1 11/16" BHCS (123224)
8x	1/2" SAE Flat Washer (113550)	8x	3/8" Standard Hex Nut (100327)
8x	3/8" Flange Nut (100353)		

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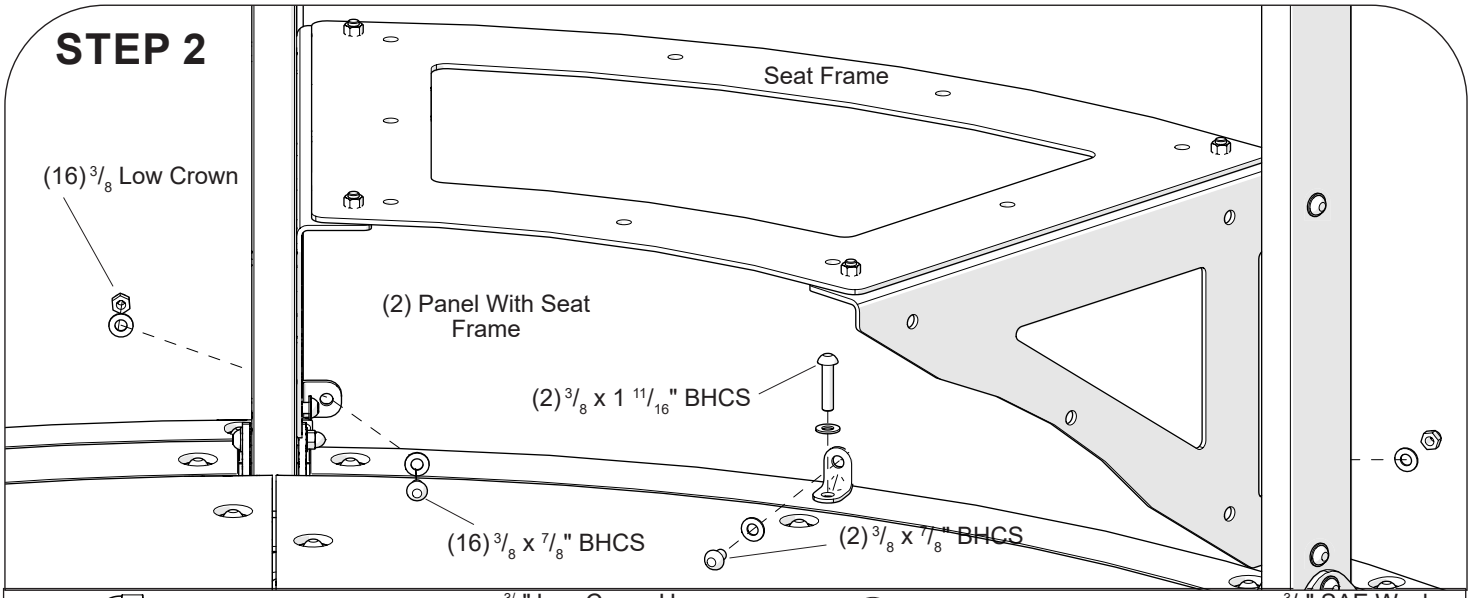
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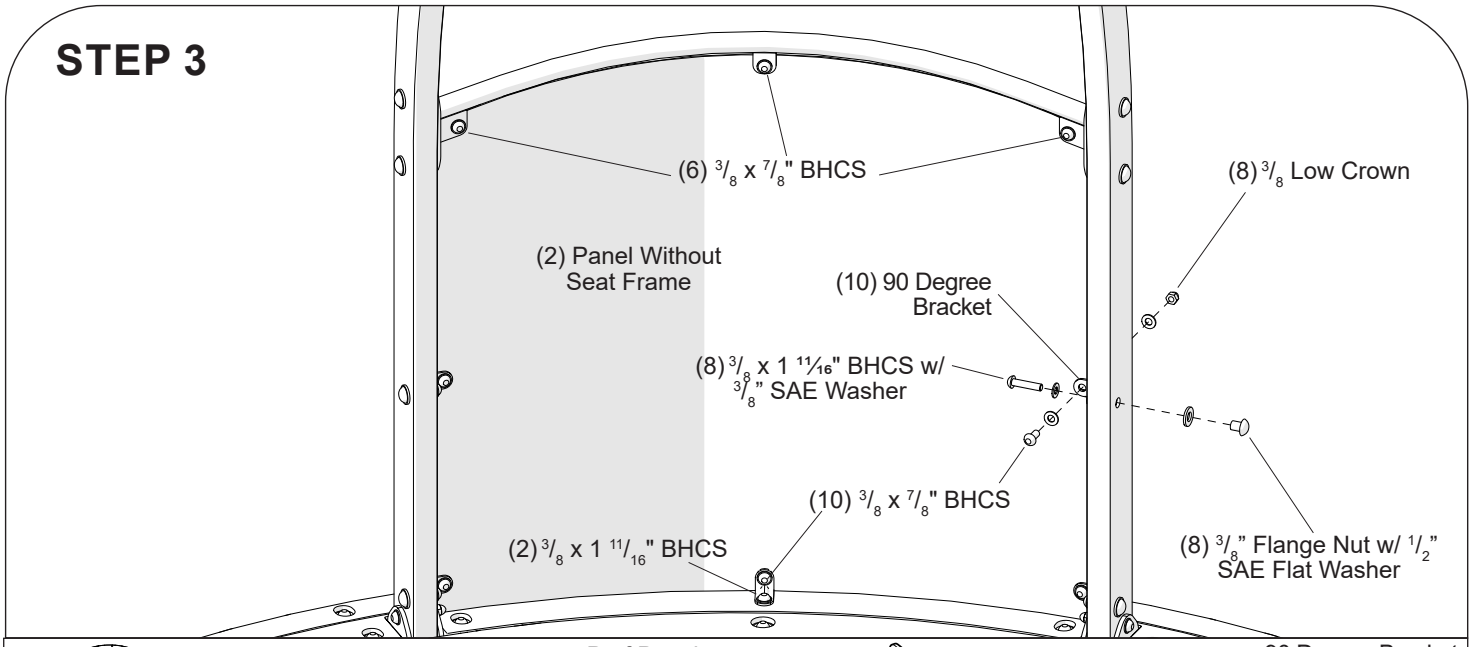
NOTE: Document shows quantities for 2 seat configuration. When assembling a 3 seat configuration refer to quantities in the bill of materials.

STEP 2



16x	3/8" Low Crown Hex Nut (100349)	34x	3/8" SAE Washer (100365)
16x	3/8 x 7/8" BHCS (100196)	2x	90 Degree Bracket (147807)
2x	3/8 x 1 11/16" BHCS (123224)	2x	Perf Panel (246428)

STEP 3



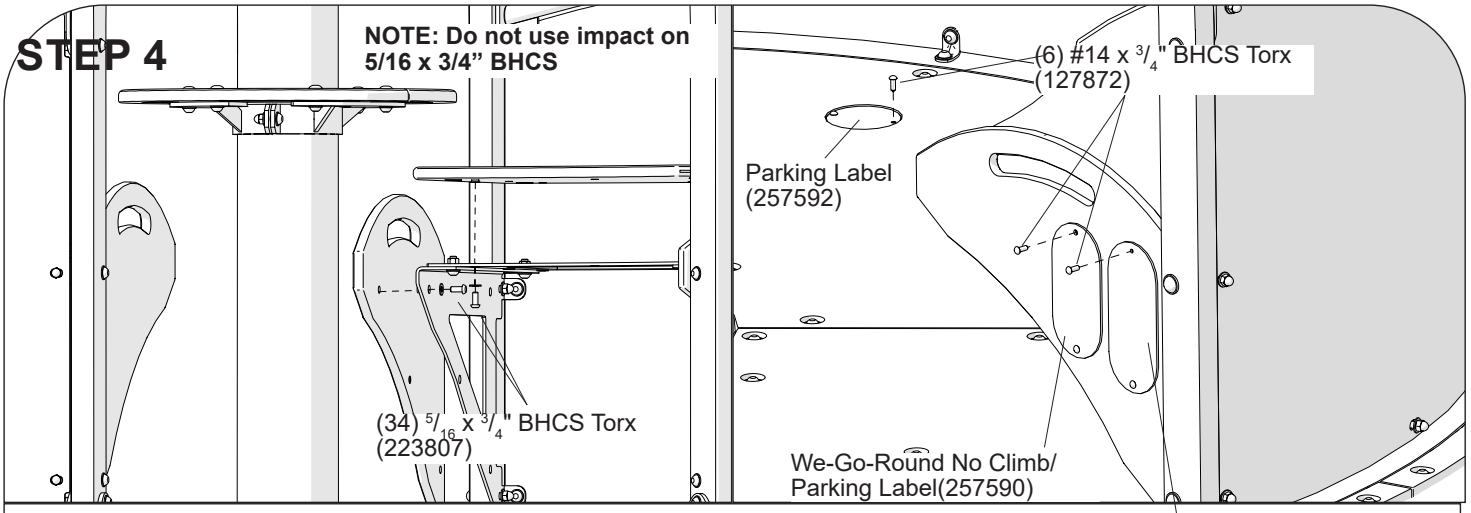
2x	Perf Panel (246428)	10x	90 Degree Bracket (147807)
16x	3/8" Low Crown Hex Nut (100349)	42x	3/8" SAE Washer (100365)
10x	3/8 x 1 11/16" BHCS (123224)	8x	3/8" Flange Nut (100353)
16x	3/8 x 7/8" BHCS (100196)	8x	1/2" SAE Flat Washer (113550)

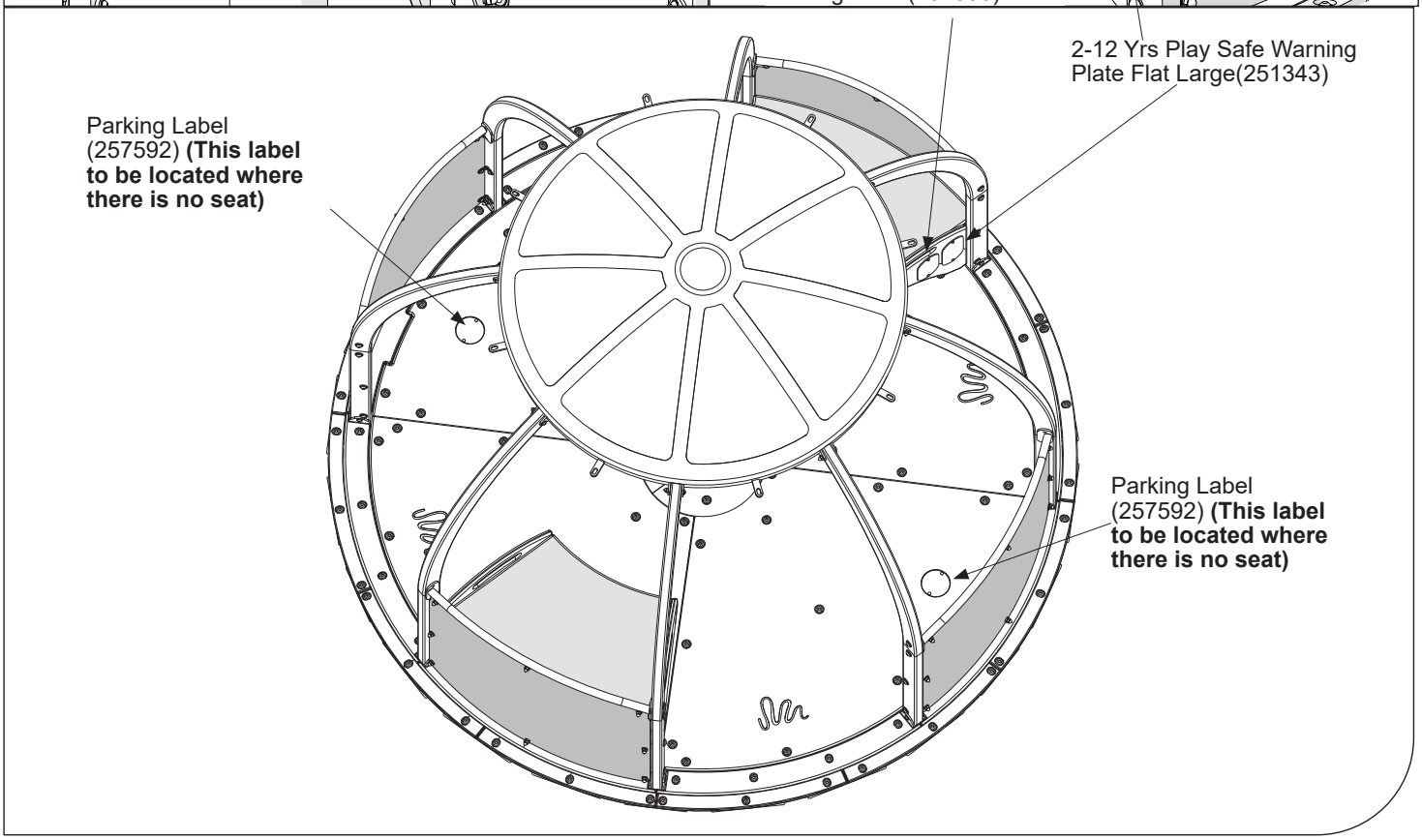
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STEP 4



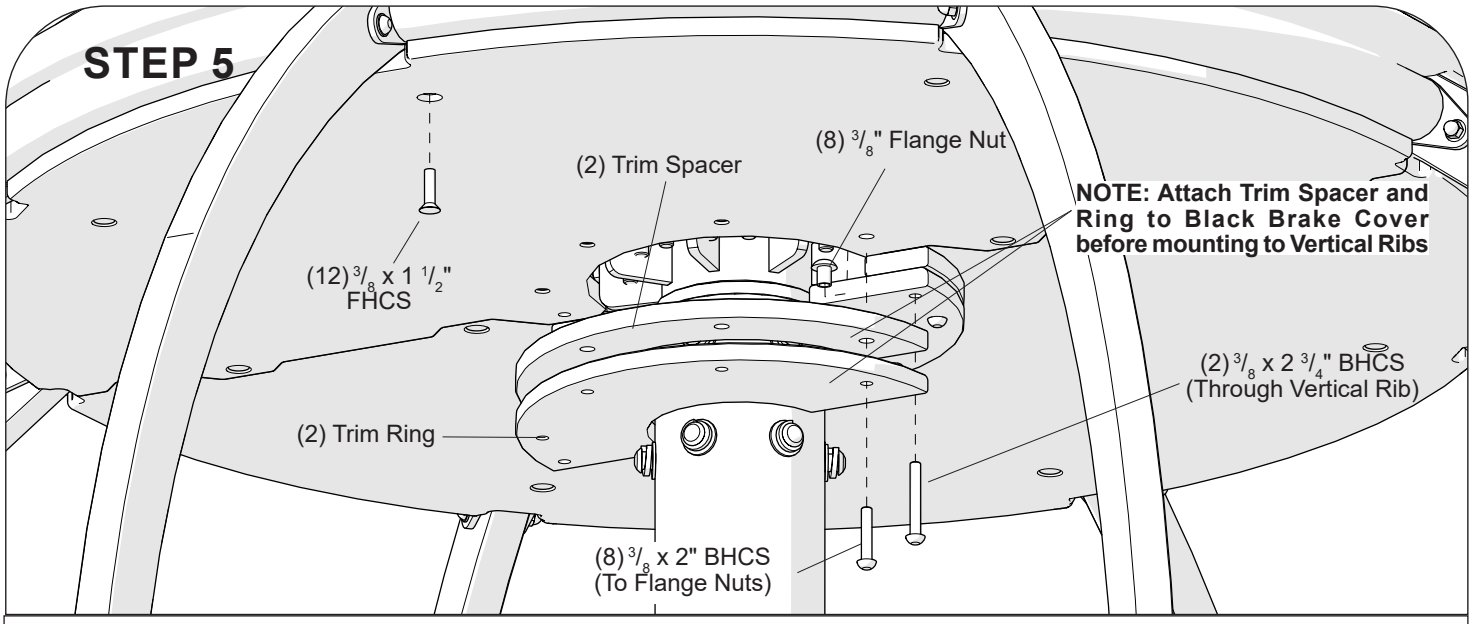


2x	Seat Top (246425)	2x	Seat Panel Right (246427)
2x	Seat Panel Left (246426)	34x	5/16 x 3/4" BHCS Torx (223807)
34x	5/16" SAE Flat Washer (223956)	6x	#14 x 3/4" BHCS Torx (127872)
1x	Parking Label (257592)	1x	2-12 Yrs Play Safe Warning Plate Flat Large (251343)
1x	Warning No Climb/Parking Label (257590)		

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STEP 5



2x	Black Brake Cover (215887)	2x	Trim Ring (218445)
2x	Black Trim Spacer (218444)	8x	3/8 x 2" BHCS (100173)
2x	3/8 x 2 3/4" BHCS (100175)	12x	3/8 x 1 1/2" FHCS (151421)
8x	3/8" Flange Nut (100353)		

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Kids In Motion

249558 We-Go-Round™ w/DigiFuse

Parts List - 2 Seat Option

Part#	Description	Qty.
147807	Angle Brkt Pnt, Specify Color	12
292617	Bushing Uhmw 6" Tube	2
212866	Globe Pipe Bottom W/Out Net, Specify Color	8
215474	Globe Spinner Top Roto, Specify Color	1
215887	Globe Brake Cover, Black in Color	2
254134	1.25 Offset Bearing + Hub Asm	1
218444	Trim Spacer Globe, Black in Color	2
218445	Trim Ring Globe, Black in Color	2
222306	Global Motion® Hub Clamp Sst	1
222399	#3 Rebar X 18"	2
246424	Ctr Ring Perm, Specify Color	2
246425	Seat Pnl Top, Specify Color	2
246426	Seat Pnl Lh, Specify Color	2
246427	Seat Pnl Rh, Specify Color	2
297889	Main Deck Gripx, Black in Color	4
246435	Ctr Deck Gripx, Black in Color	2
246441	Otr Ring Perm 4 Hole, Black in Color	4
246442	Seat Frm Rh Pnt, Specify Color	2
246443	Seat Frm Lh Pnt, Specify Color	2
246444	Seat Frm Plt Pnt, Specify Color	2
297891	Otr Ring Perm With Tab Slot, Black in Color	4
258597	Otr Skirt GripX A, Gray in color	6
258598	Otr Skirt GripX B, Gray in color	6
248520	Btm Rib Mnt Machined	1
249255	Vert Rib With Mtg Pin 4 Inserts Pnt, Specify Color	2
249257	Vert Rib Wout Mtg Pin Pnt, Specify Color	4
249259	Vert Rib With Mtg Pin 1 Insert Pnt, Specify Color	2
249265	Arch Pnl Sprt Weldt Pnt, Specify Color	4
249266	7 Flg Btm Rib Pnt, Specify Color	4
249267	3 Flg Btm Rib Pnt, Specify Color	4
249268	Ctr Post Ring Weldt Pnt, Specify Color	2
289361	6.0 OD x .25 x 119.5" Zp Post Pnt, Specify Color	1
249286	Horiz Btm Sprt Weldt Pnt, Specify Color	8
249289	Otr Skirt Weldt Pnt, Specify Color	6
249292	Rib Clmp, Install Weldt Pnt, Specify Color	4
249295	Rib, Install Pnt, Specify Color	6
249297	Rib Ftr, Install Pnt, Specify Color	6
249299	Rib Brkt, Install Pnt, Specify Color	12
250371	Otr Ring Plt Pnt, Specify Color	4
250643	4" X 300" Perf Drain Pipe	1
250644	4" Flexible Drain Tee	1
250645	4" Drain Cap	2
251007	4" Drain Coupler	2
215884	70 Series Shock	4
*	DigiFuse Panels (Refer to Interior II, Pg. 17)	4
253792	9" Plate Pnt, Specify Color	12
XXXXXX	Custom Artwork Panel	*
254468	Bushing Belt , Black	1

250568	**Hdw Pkg We-Go-Round Rib Plates Asm**	**1**
100206	Hex Cap 3/8X1i Sst Pat	36
100208	Hex Cap 3/8X1-1/2 Sst Pat	4
100327	Nut Hex Std 3/8-16 Sst	40
100365	Washer Flat Sae 3/8I Sst	82
100610	Rivet 1/4X5/8I Drv As	2
168198	Lag Scr Bh 6Lp 3/8X1-1/2I	2

253850	**Hdw Pkg We-Go-Round Skirt Asm**	**1**
100198	Bhcs 6Lp 3/8X1-1/8I Sst	60
100362	Washer Flat 3/8I Sst	60

289338	**Hdw Pkg We-Go-Round Hub/Bushings**	**1**
100201	Bhcs 6Lp 5/8X1-1/2I Sst	12
100611	Rivet 1/4X3/8I Drv As	12
109680	Cable Tie 5-3/4I Black	1
129500	Washer Flat Sae 5/8I Sst	12
136931	Nut Hex Nylok 3/8-16 Sst	8
175652	Washer Lock Spring 5/8I Sst	12

250580	**Hdw Pkg We-Go-Round Frame Asm**	**1**
100174	Bhcs 6Lp 3/8X2-1/2Isstpat	32
100198	Bhcs 6Lp 3/8X1-1/8I Sst	32
100327	Nut Hex Std 3/8-16 Sst	32
100349	Nut L/C Cap 3/8-16 Sst	32
100365	Washer Flat Sae 3/8I Sst	128
113550	Washer Flat Sae 1/2I Sst	32
129692	Nut Hex Std 1/2-13 Sstpat	16
131862	Hex Cap 1/2X2-1/4 Sst	16

250586	**Hdw Pkg We-Go-Round Brake Cover**	**1**
100173	Bhcs 6Lp 3/8X2i Sst Pat	16
100175	Bhcs 6Lp 3/8X2-3/4I Sst	2
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	8
151421	Fhcs 6Lp 3/8X1-1/2Isst W/Patch	12

250587	**Hdw Pkg We-Go-Round Perf Panel W/O Seat**	**2**
100196	Bhcs 6Lp 3/8X7/8I Sst	8
100349	Nut L/C Cap 3/8-16 Sst	8
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	25
113550	Washer Flat Sae 1/2I Sst	8
123224	Bhcs 6Lp 3/8X1-11/16I Sst	9

293793	**Hdw Pkg We-Go-Round Perf Panel W/Seat**	**2**
100196	Bhcs 6Lp 3/8X7/8I Sst	12
100327	Nut Hex Std 3/8-16 Sst	4
100349	Nut L/C Cap 3/8-16 Sst	8
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	33
113550	Washer Flat Sae 1/2I Sst	8
123224	Bhcs 6Lp 3/8X1-11/16I Sst	9
223807	Bhcs 6Lp 5/16I -18 X 3/4I Sst	17
223956	Washer Flat Sae 5/16I Sst	17

258581	**Hdw Pkg We-Go-Round Decking**	**1**
100362	Washer Flat 3/8I Sst	80
113027	Bhcs 6Lp 3/8X1-3/8I Sst	80

250590	**Hdw Pkg We-Go-Round Center Ring**	**1**
100196	Bhcs 6Lp 3/8X7/8I Sst	6
100198	Bhcs 6Lp 3/8X1-1/8I Sst	2
100349	Nut L/C Cap 3/8-16 Sst	2
100353	Flg Nut 6Lp 3/8-16 Sst	6
100365	Washer Flat Sae 3/8I Sst	10

258556	**Hdw Pkg We-Go-Round Labels**	**1**
127463	Bit Hex Tpp T27 (Torx)	1
127872	Bhcs Torx #14 X 3/4 Sst Thread Type Ab	8
251343	2-12 Yrs Play Safe Warning Plate Flat Large	1
257590	No Climb/Parking Plate	1
257592	Parking Plate	2

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Kids In Motion 249558 We-Go-Round™ w/DigiFuse

Parts List - 3 Seat Option

Part#	Description	Qty.
147807	Angle Brkt Pnt, Specify Color	8
292617	Bushing Uhmw 6" Tube	2
212866	Globe Pipe Bottom W/Out Net, Specify Color	8
215474	Globe Spinner Top Roto, Specify Color	1
215887	Globe Brake Cover, Black in Color	2
254134	1.25 Offset Bearing + Hub Asm	1
218444	Trim Spacer Globe, Black in Color	2
218445	Trim Ring Globe, Black in Color	2
222306	Global Motion® Hub Clamp Sst	1
222399	#3 Rebar X 18"	2
246424	Ctr Ring Perm, Specify Color	2
246425	Seat Pnl Top, Specify Color	3
246426	Seat Pnl Lh, Specify Color	3
246427	Seat Pnl Rh, Specify Color	3
297889	Main Deck Gripx, Black in Color	4
246435	Ctr Deck Gripx, Black in Color	2
246441	Otr Ring Perm 4 Hole, Black in Color	4
246442	Seat Frm Rh Pnt, Specify Color	3
246443	Seat Frm Lh Pnt, Specify Color	3
246444	Seat Frm Plt Pnt, Specify Color	3
297891	Otr Ring Perm With Tab Slot, Black in Color	4
258597	Otr Skirt GripX A, Gray in color	6
258598	Otr Skirt GripX B, Gray in color	6
248520	Btm Rib Mnt Machined	1
249255	Vert Rib With Mtg Pin 4 Inserts Pnt, Specify Color	2
249257	Vert Rib Wout Mtg Pin Pnt, Specify Color	4
249259	Vert Rib With Mtg Pin 1 Insert Pnt, Specify Color	2
249265	Arch Pnl Sprt Weldt Pnt, Specify Color	4
249266	7 Flg Btm Rib Pnt, Specify Color	4
249267	3 Flg Btm Rib Pnt, Specify Color	4
249268	Ctr Post Ring Weldt Pnt, Specify Color	2
289361	6.0 OD x .25 x 119.5" ZP Post Pnt, Specify Color	1
249286	Horiz Btm Sprt Weldt Pnt, Specify Color	8
249289	Otr Skirt Weldt Pnt, Specify Color	6
249292	Rib Clmp, Install Weldt Pnt, Specify Color	4
249295	Rib, Install Pnt, Specify Color	6
249297	Rib Ftr, Install Pnt, Specify Color	6
249299	Rib Brkt, Install Pnt, Specify Color	12
250371	Otr Ring Plt Pnt, Specify Color	4
215884	70 Series Shock	4
250643	4" x 300" Perf Drain Pipe	1
250644	4" Flexible Drain Tee	1
250645	4" Drain Cap	2
251007	4" Drain Coupler	2
*	DigiFuse Panels (Refer to Interior II, Pg. 17)	4
253792	9" Plate Pnt, Specify Color	12
XXXXXX	Custom Artwork Panel	*
254468	Bushing Belt, Black	1
250568	**Hdw Pkg We-Go-Round Rib Plates Asm**	**1**
100206	Hex Cap 3/8X1i Sst Pat	36
100208	Hex Cap 3/8X1-1/2 Sst Pat	4
100327	Nut Hex Std 3/8-16 Sst	40
100365	Washer Flat Sae 3/8I Sst	82
100610	Rivet 1/4X5/8I Drv As	2
168198	Lag Scr Bh 6Lp 3/8X1-1/2I	2
253850	**Hdw Pkg We-Go-Round Skirt Asm**	**1**
100198	Bhcs 6Lp 3/8X1-1/8I Sst	60
100362	Washer Flat 3/8I Sst	60
289338	**Hdw Pkg We-Go-Round Hub/Bushings**	**1**
100201	Bhcs 6Lp 5/8X1-1/2I Sst	12
100611	Rivet 1/4X3/8I Drv As	12
109680	Cable Tie 5-3/4I Black	1
129500	Washer Flat Sae 5/8I Sst	12
136931	Nut Hex Nylok 3/8-16 Sst	8
175652	Washer Lock Spring 5/8I Sst	12
250580	**Hdw Pkg We-Go-Round Frame Asm**	**1**
100174	Bhcs 6Lp 3/8X2-1/2Isstpat	32
100198	Bhcs 6Lp 3/8X1-1/8I Sst	32
100327	Nut Hex Std 3/8-16 Sst	32
100349	Nut L/C Cap 3/8-16 Sst	32
100365	Washer Flat Sae 3/8I Sst	128
113550	Washer Flat Sae 1/2I Sst	32
129692	Nut Hex Std 1/2-13 Sstpat	16
131862	Hex Cap 1/2X2-1/4 Sst	16
250586	**Hdw Pkg We-Go-Round Brake Cover**	**1**
100173	Bhcs 6Lp 3/8X2i Sst Pat	16
100175	Bhcs 6Lp 3/8X2-3/4I Sst	2
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	8
151421	Fhcs 6Lp 3/8X1-1/2Isst W/Patch	12
250587	**Hdw Pkg We-Go-Round Perf Panel W/O Seat**	**1**
100196	Bhcs 6Lp 3/8X7/8I Sst	8
100349	Nut L/C Cap 3/8-16 Sst	8
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	25
113550	Washer Flat Sae 1/2I Sst	8
123224	Bhcs 6Lp 3/8X1-11/16I Sst	9
293793	**Hdw Pkg We-Go-Round Perf Panel W/Seat**	**3**
100196	Bhcs 6Lp 3/8X7/8I Sst	12
100327	Nut Hex Std 3/8-16 Sst	4
100349	Nut L/C Cap 3/8-16 Sst	8
100353	Flg Nut 6Lp 3/8-16 Sst	8
100365	Washer Flat Sae 3/8I Sst	33
113550	Washer Flat Sae 1/2I Sst	8
123224	Bhcs 6Lp 3/8X1-11/16I Sst	9
223807	Bhcs 6Lp 5/16I -18 X 3/4I Sst	17
223956	Washer Flat Sae 5/16I Sst	17
258581	**Hdw Pkg We-Go-Round Decking**	**1**
100362	Washer Flat 3/8I Sst	80
113027	Bhcs 6Lp 3/8X1-3/8I Sst	80
250590	**Hdw Pkg We-Go-Round Center Ring**	**1**
100196	Bhcs 6Lp 3/8X7/8I Sst	6
100198	Bhcs 6Lp 3/8X1-1/8I Sst	2
100349	Nut L/C Cap 3/8-16 Sst	2
100353	Flg Nut 6Lp 3/8-16 Sst	6
100365	Washer Flat Sae 3/8I Sst	10
258558	**Hdw Pkg We-Go-Round Labels**	**1**
127463	Bit Hex Tpp T27 (Torx)	1
127872	Bhcs Torx #14 X 3/4 Sst Thread Type Ab	6
251343	2-12 Yrs Play Safe Warning Plate Flat Large	1
257590	No Climb/Parking Plate	1
257592	Parking Plate	1

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Kids In Motion 249558 We-Go-Round™ w/DigiFuse

Specifications

Center Post: 6.000” (152 mm) O.D. x (.250”)(6,35 mm) wall HR Black D.O.M. zinc plated steel Tube. Finish: ProShield®, color specified.

Shock: 70 Series.

GripX Platform: 3/4” (19,05 mm) Thick recycled Permalene®, black in color.

Brake Cover: Recycled Permalene, black in color.

Mounting Hub Assembly: Comprised of 1/2” (12,7 mm) thick stainless steel plate, 11 Ga. (.120”)(3,05 mm) stainless steel sheet, steel bearing shaft.

Fasteners: Primary fasteners shall be socketed and pinned tam perproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Bottom Rib: 7GA. (.179”)(4,54 mm) Thick HRPO steel plate. Finish: ProShield, black in color.

Middle & Bottom Pipe: Weldment comprised of 2.375” (60,32 mm) O.D. RS20 (.095”-.105”)(2,41 mm-2,66 mm) galvanized steel tube, 1/4” (6,35 mm) thick HRPO steel plate and 3/8” (9,52 mm) thick stainless steel tab. Finish: ProShield, color specified.

Base Bushing: Oil-Filled UHMW PE.

Spinner Top: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rib: Weldment comprised of 1.5” (38, 1 mm) x 3.0” (76, 2 mm) x (.180” (4, 57 mm) wall HRPO steel tube, 3/8” (9, 52 mm) thick stainless steel tab, 3/8” (9, 52 mm) O.D. stainless steel pin. 3/8” (9, 52 mm) thick HRPO steel plate with 1/4” (6, 35 mm) thick HRPO steel plate. Finish: ProShield®, color specified.

Bottom Mount: Weldment comprised of 7.000” (177 mm) O.D. x .188” (4, 77 mm) wall stainless steel tube and 1/4” (6, 35 mm) thick stainless steel plate.

Seat Permalene Panels: 3/4” thick recycled permalene, specify color

Seat Frame: Comprised of 7 GA (.179”) (4, 54 mm) thick HRPO steel plate. Finish: ProShield, specify color

DigiFuse Panel: Made from (.120”) thick aluminum sheet. Dye sublimination printed digital artwork is fused onto the powdercoated substrate.

Drain Pipe : Comprised of 4” x 25’ polypropylene perforated pipe.

Installation Time: **DB** - Approx. 40 person hours

Concrete Req.: **DB** - Approx. 2.07 yards - Square Footer
DB - Approx. 1.5 yards. - If concrete is chosen in Foundation II - Step 4 detail.

Weight: **DB 2 Seat** - 2107 lbs.
DB 3 Seat - 2165 lbs.

Minimum Area Req.: **DB -** 20’ 10” (6.35 m)

Fall Height: **DB** - 40”

ECO-0102464 Document 33197100 replaces 29912200. Added visuals to aid in leveling

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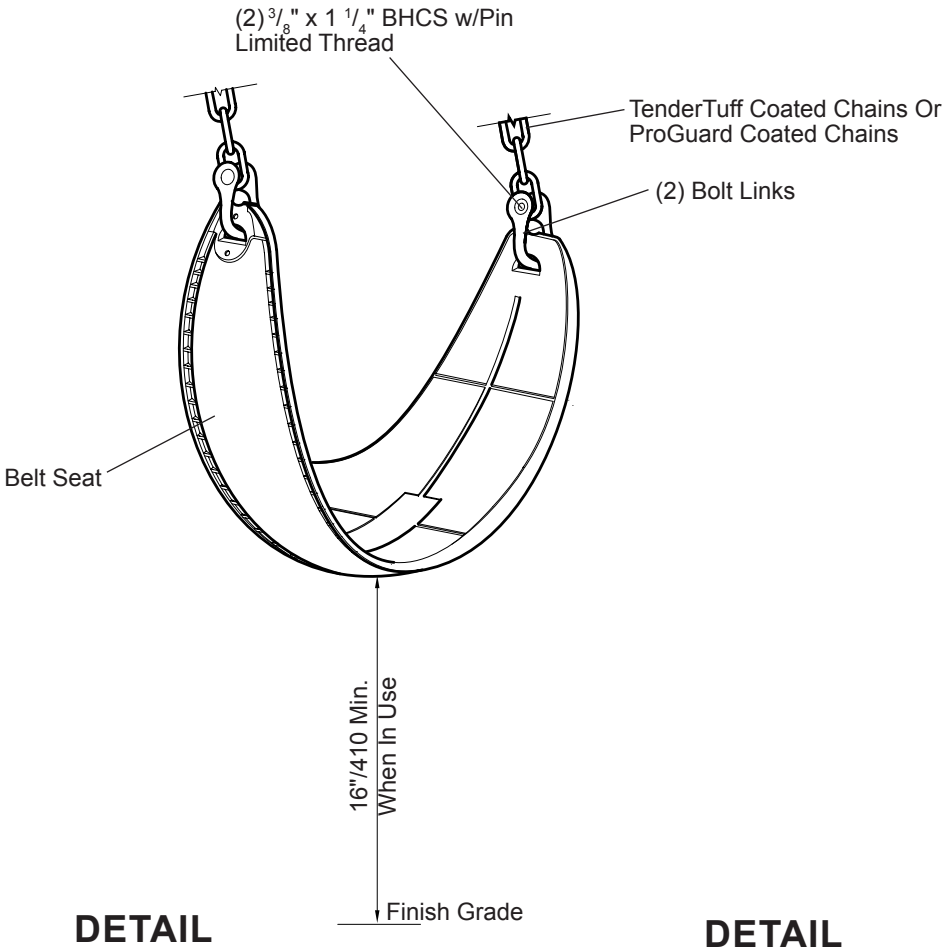
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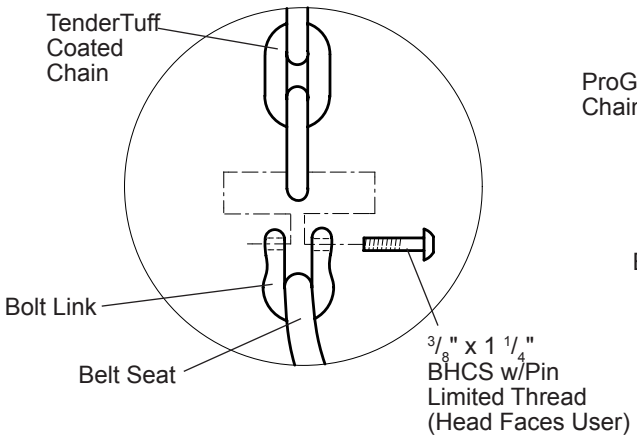
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

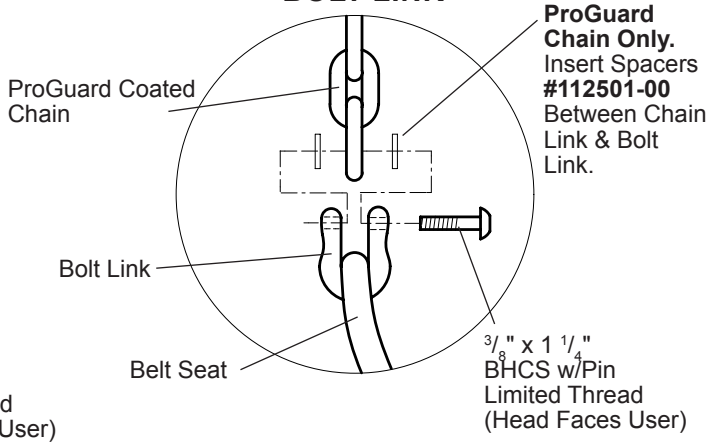
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DETAIL
BOLT LINK



DETAIL
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Swings

174018 Belt Seat

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Swings 174018 Belt Seat

Parts List

Part #	Description	Qty.
	7 Ft. High Beam	
128842	Belt Swing Seat, Black	1
178679	57 7/16" Chain, TenderTuff, Specify Color	2
175251	57 7/16" Chain, ProGuard	2
132672	**Bolt Link w/Bolt & Spacers**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2
112501	Chain Spacer	4
132635	**Bolt Link w/Bolt Hardware Package**	1
100292-00	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2
	8 Ft. High Beam	
128842	Belt Swing Seat, Black	1
152050	67 7/8" Chain, TenderTuff, Specify Color	2
174404	67 7/8" Chain, ProGuard	2
132672	**Bolt Link w/Bolt & Spacers**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2
112501	Chain Spacer	4
132635	**Bolt Link w/Bolt Hardware Package**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2
	10 Ft. High Beam	
128842	Belt Swing Seat, Black	1
152052	90 11/16" Chain, TenderTuff, Specify Color	2
174884	90 11/16" Chain, ProGuard	2
132672	**Bolt Link w/Bolt & Spacers**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2
112501	Chain Spacer	4
132635	**Bolt Link w/Bolt Hardware Package**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST	2
138915	Bolt Link, SST	2

Specifications

Chain Spacer: Made from white nylon measuring .080" x .785" O.D.

Chain/ProGuard: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

Chain/Coated: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff®, color specified.

Belt Seats: Molded from U.V. stabilized black EPDM rubber encapsulating a weldment comprised of a 22 GA (.029") spring stainless steel sheet, and (4) .105" thick stainless steel washers. The belt seat elliptical shape measures 7" wide x 26" long x .700" thick.

Bolt Link: Stainless Steel.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: 1/4 man hour per seat

Weight: 8 lbs. (7 Ft. Beam w/ProGuard Chains)
9 lbs. (7 Ft. Beam w/TenderTuff Chains
8 lbs. (8 Ft. Beam w/ProGuard Chains)
9 lbs. (8 Ft. Beam w/TenderTuff Chains)
10 lbs. (10 Ft. Beam w/ProGuard Chains)
11 lbs. (10 Ft. Beam w/TenderTuff Chains)

Installation

Swing Hangers With Double Clevis

1) Attach chains to double clevis using 3/8" x 1 1/4" BHCS w/pin limited thread, as shown.
2) Attach chains to belt seat using bolt links with 3/8" x 1 1/4" BHCS w/ pin limited thread. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.

Anti-wrap Swing Hangers

1) Attach chains to aluminum clevis using 3/8" x 7/8" BHCS w/pin limited thread, as shown.
2) Attach chains to belt seat using bolt links with 3/8" x 1 1/4" BHCS w/ pin limited thread. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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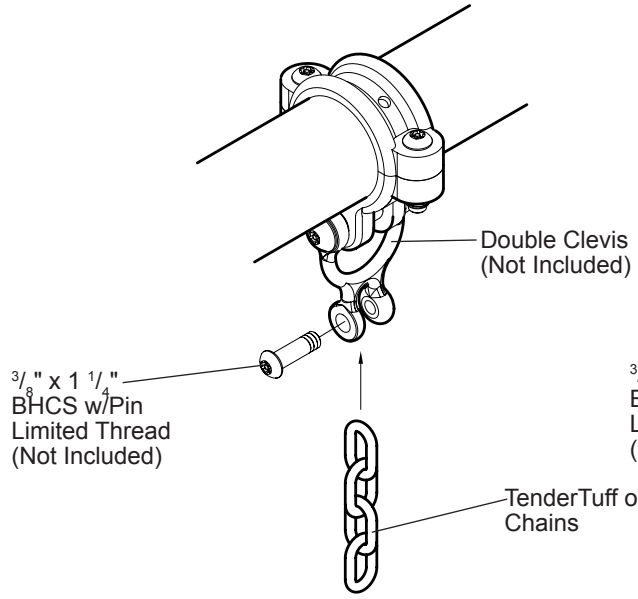
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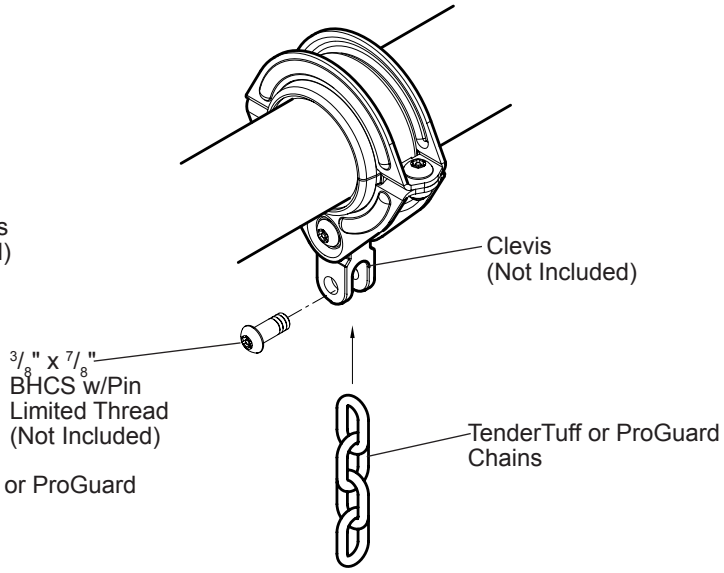
SAFETY NOTE

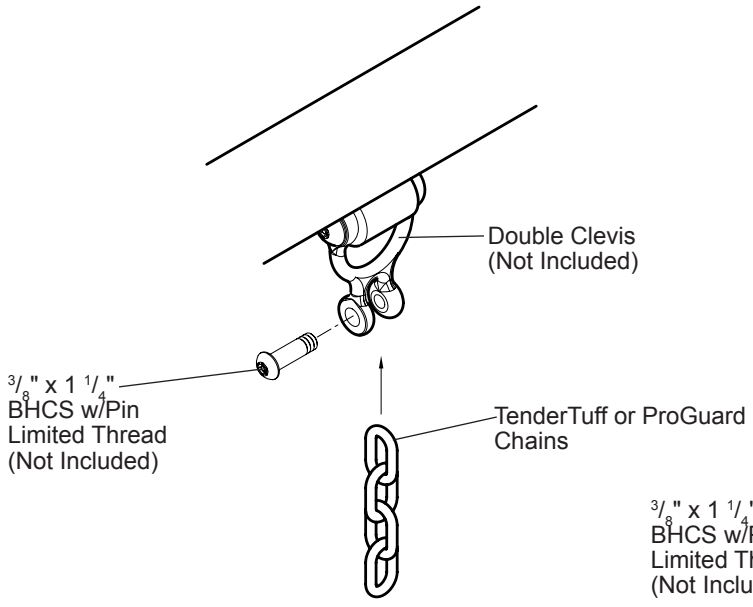
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

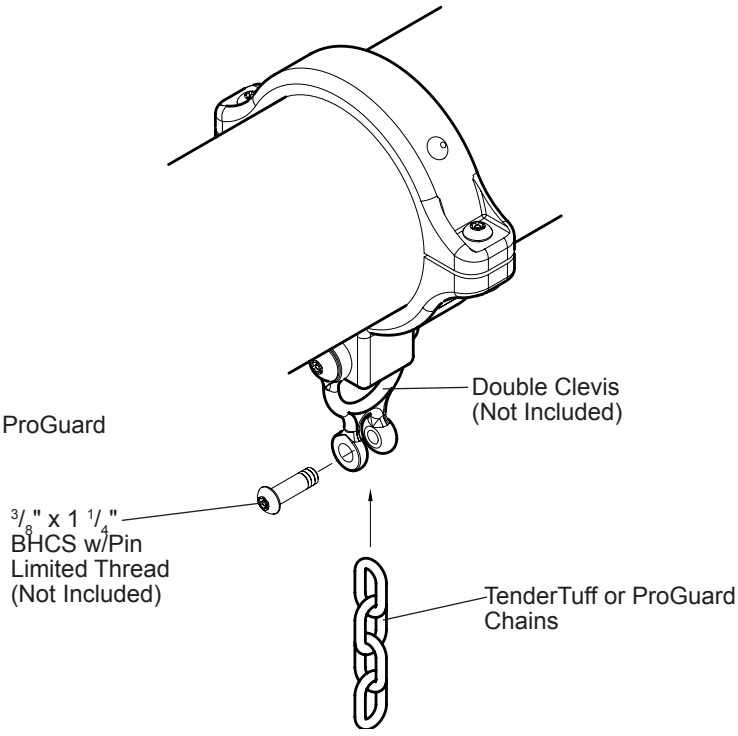
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SWING HANGER OPTIONS









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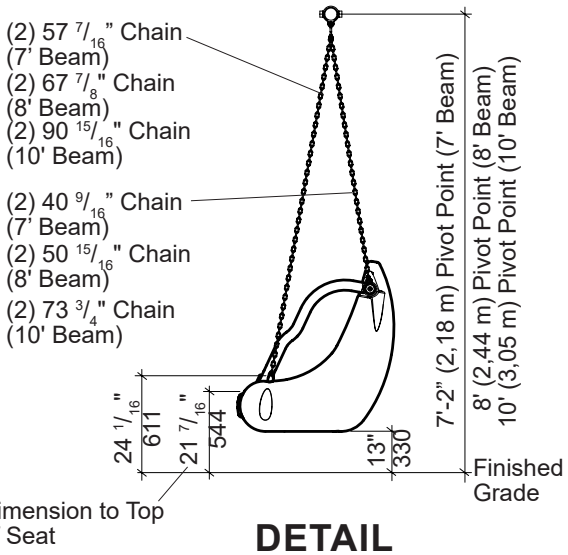
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SAFETY NOTE

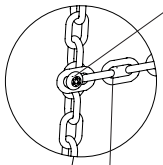
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

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ELEVATION

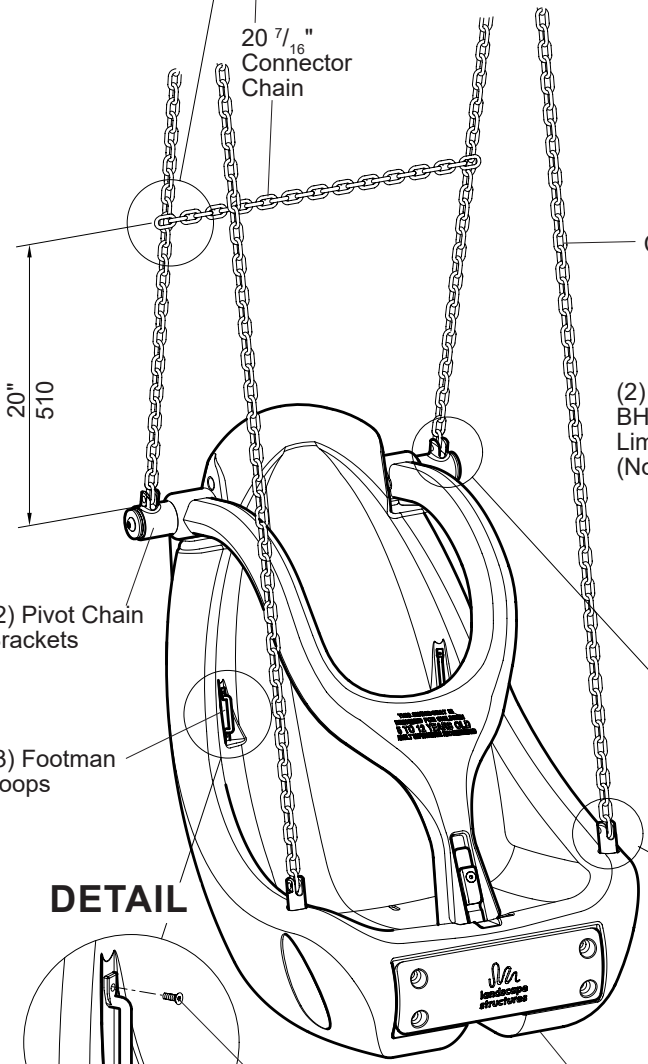


DETAIL

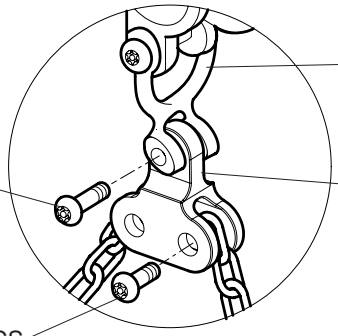


(ProGuard Chain)
(2) 3/8" x 7/8" BHCS w/Pin & 3/8" Hex Jam Nuts

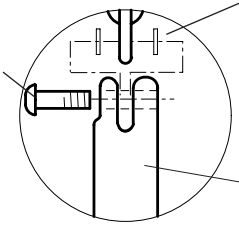
(TenderTuff Chain)
(2) 3/8" x 1 1/8" BHCS w/Pin & 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers



DETAIL
HANGER ASSEMBLY



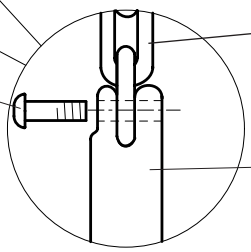
DETAIL
BRACKET



NOTE: For ProGuard chain, insert (8) nylon spacers between chain links & brackets

DETAIL

DETAIL
BRACKET



Swings

177351 Molded Bucket Seat, w/Harness

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #25974300

Swings 177351 Molded Bucket Seat, w/Harness

Parts List

Part#	Description	Qty.
259433	Molded Bucket Seat Assembly, Specify Color	1
	7 Ft. High Beam - ProGuard Finished Chains	
175251	57 7/16" Long, (Front)	2
193869	40 9/16" Long, (Back)	2
175653	20 7/16" Long, (Connector)	1
	8 Ft. High Beam - ProGuard Finished Chains	
174404	67 7/8" Long, (Front)	2
175619	50 15/16" Long, (Back)	2
175653	20 7/16" Long, (Connector)	1
	10 Ft. High Beam - ProGuard Finished Chains	
174884	90 11/16" Long, (Front)	2
175623	73 3/4" Long, (Back)	2
175653	20 7/16" Long, (Connector)	1
	7 Ft. High Beam - TenderTuff Chains	
178679	57 7/16" Long, (Front), Specify Color	2
179286	40 9/16" Long, (Back), Specify Color	2
174571	20 7/16" Long, (Connector), Specify Color	1
	8 Ft. High Beam - TenderTuff Chains	
152050	67 7/8" Long, (Front), Specify Color	2
174572	50 15/16" Long, (Back), Specify Color	2
174571	20 7/16" Long, (Connector), Specify Color	1
	10 Ft. High Beam -TenderTuff Chains	
152052	90 11/16" Long, (Front), Specify Color	2
175621	73 3/4" Long, (Back), Specify Color	2
174571	20 7/16" Long, (Connector), Specify Color	1
225662	**Molded Seat w/Yoke Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	2
100290	3/8" x 7/8" BHCS w/Pin Limited Thread, SST	8
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washer, SST	6
106035	Seat Mounting Bracket	2
112501	Nylon Spacer	8
128296	3/8" Hex Jam Nut, SST	2
207709	Footman Loop, SST	3
160307	Double Pivot Block Assy.	2
162462	#10-24 x 1/2" Flat Head Screw, SST	6

Specifications

Bucket Seat Assy.: **(Bucket Seat & Yoke)** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified. **(Pipebolt)** Made from 1.125" O.D. 6005-T5 threaded annodized aluminum tube. **(Bearings)** UHMW PE lubricated. **(Brackets)** Made from 356-T6 aluminum.

Chain/ProGuard: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

Chain/Coated: Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff, color specified.

Seat Mounting Bracket: Cast from 535 aluminum magnesium.

Bumper: Molded from U.V. stabilized black EPDM rubber encapsulating 11 GA (.120") HRPO steel sheet.

Dbl. Pivot Block: Fabricated from 6061-T6 Aluminum with bronze oil impregnated bearing.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour

Weight: 50 lbs. (7 Ft. Beam w/ProGuard Chains)
53 lbs. (7 Ft. Beam w/TenderTuff Chains)
48 lbs. (8 Ft. Beam w/ProGuard Chains)
51 lbs. (8 Ft. Beam w/TenderTuff Chains)
51 lbs. (10 Ft. Beam w/ProGuard Chains)
55 lbs. (10 Ft. Beam w/TenderTuff Chains)

Installation Instructions

1) Insert seat mounting brackets into molded-in holes in front of bucket seat and attach ends of chain, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

2) Attach ends of chain to pivot chain brackets, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

3) Attach chains to double pivot blocks, using 3/8" x 7/8" BHCS w/pin limited thread.

4) **(Swing Hangers with Double Clevis)** Attach chains to swing hanger double clevis, using 3/8" x 1 1/4" BHCS w/pin limited thread.

   (Anti-wrap Swing Hangers) Attach chains to anti-wrap swing hanger clevis, using 3/8" x 7/8" BHCS w/pin limited thread.

5) **(ProGuard Chain)** Attach connector chain to back swing chains at dimension shown, using 3/8" x 7/8" BHCS w/pin & 3/8" jam nuts. Refer to Detail.

   (TenderTuff Chain) Attach connector chain to back swing chains at dimension shown, using 3/8" x 1 1/8" BHCS w/pin & 3/8" standard hex nuts with 3/8" SAE Flat Washers. Refer to Detail.

6) Attach footman loops, using #10-24 x 1/2" flat head screws, as shown. Footman loops are used for seat belts (not included).

7) Attach bumper to front of swing seat, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE Flat Washers.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO 0101646. Document 25974300 replaces 22554400. Added age appropriate message to swing yoke.

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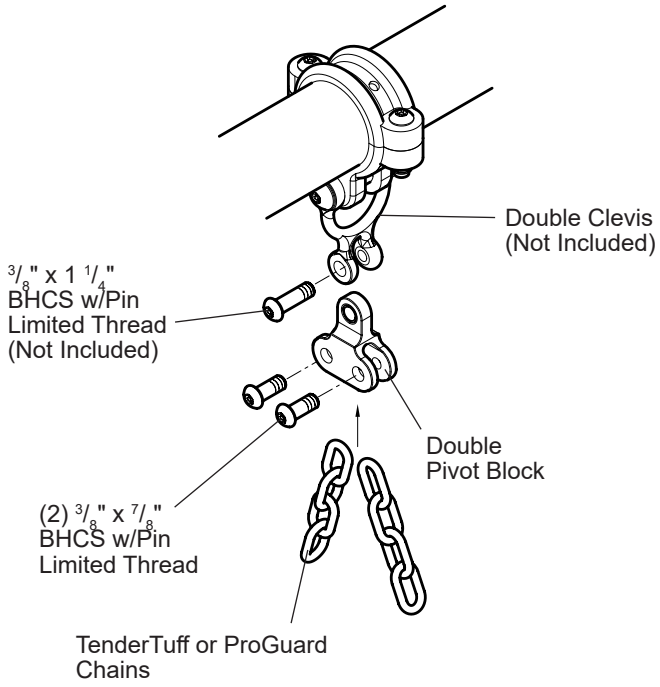
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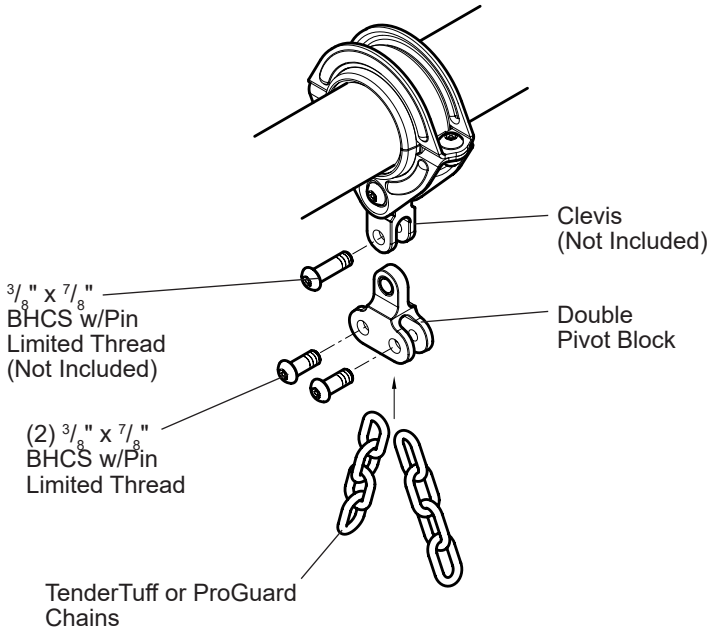
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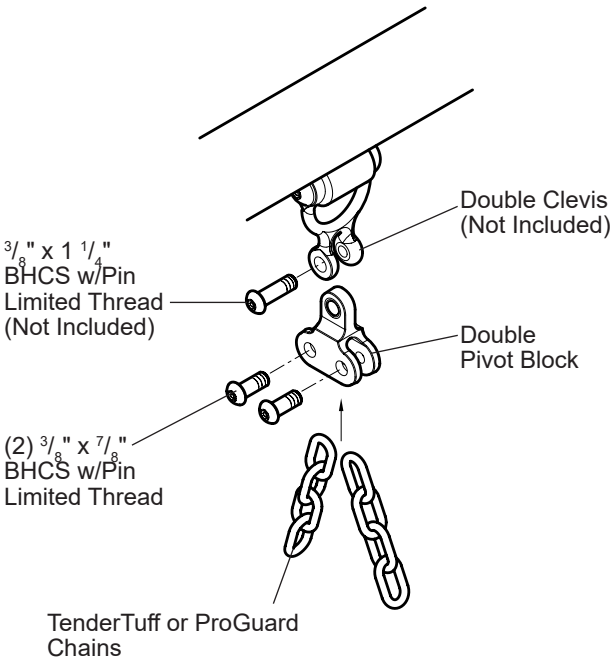
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

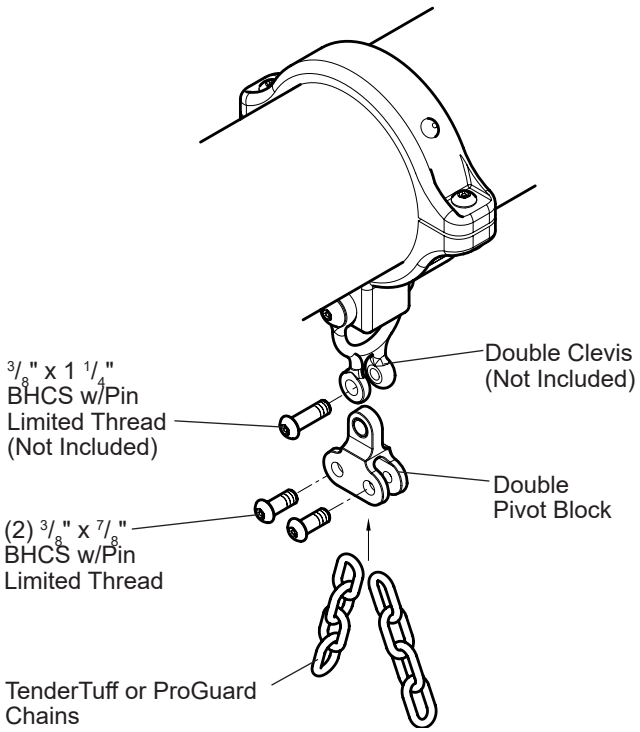
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SWING HANGER OPTIONS









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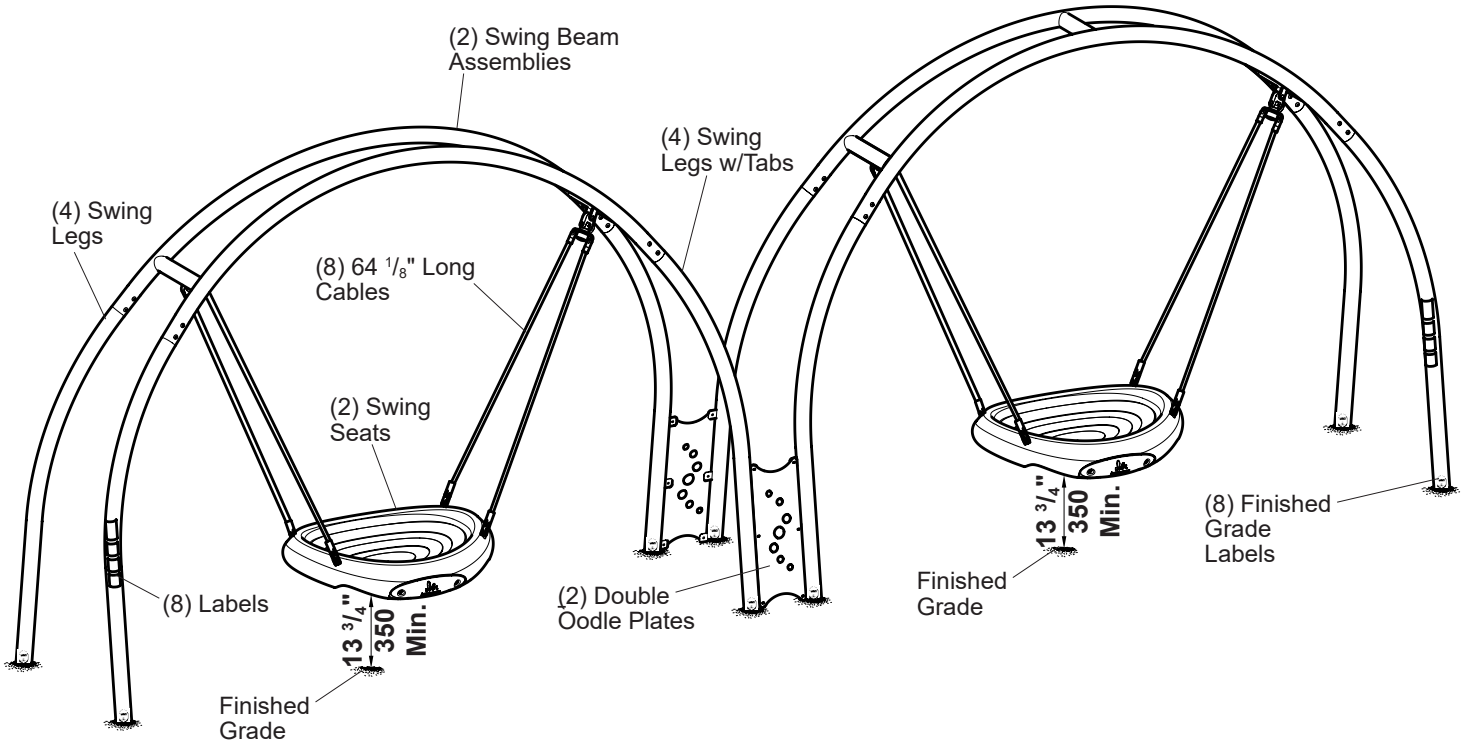
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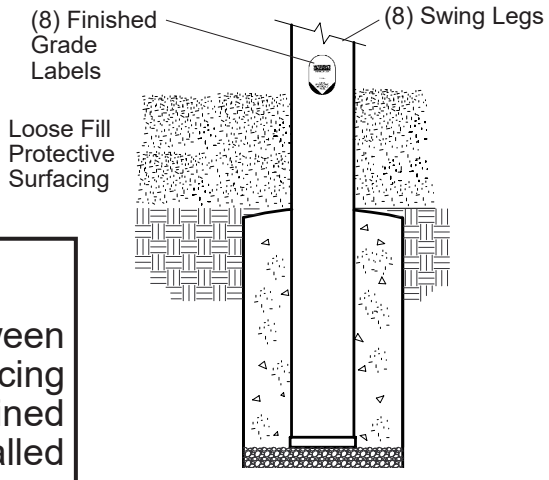
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



DETAIL
DIRECT BURY



⚠ WARNING

Failure to meet the minimum **13 3/4"** clearance between the lowest point of the seat and the protective surfacing may result in serious injury. Children have sustained broken legs and ankles due to the seat being installed too low.

Swings

210117 Oodle® Swing, Double

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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAILS

FINISHED GRADE TO SWING SEAT MEASUREMENT





NOTE:Single Oodle swing shown.



NOTE: Take dimension from the lowest point on the seat.

Swings

210117 Oodle® Swing, Double

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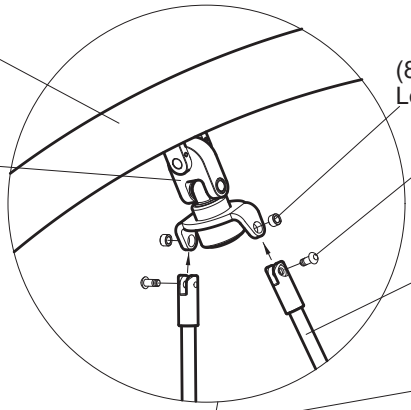
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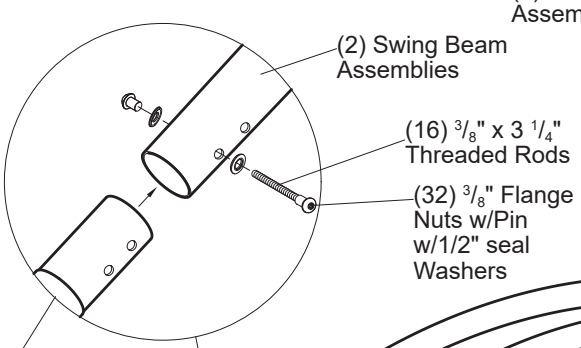
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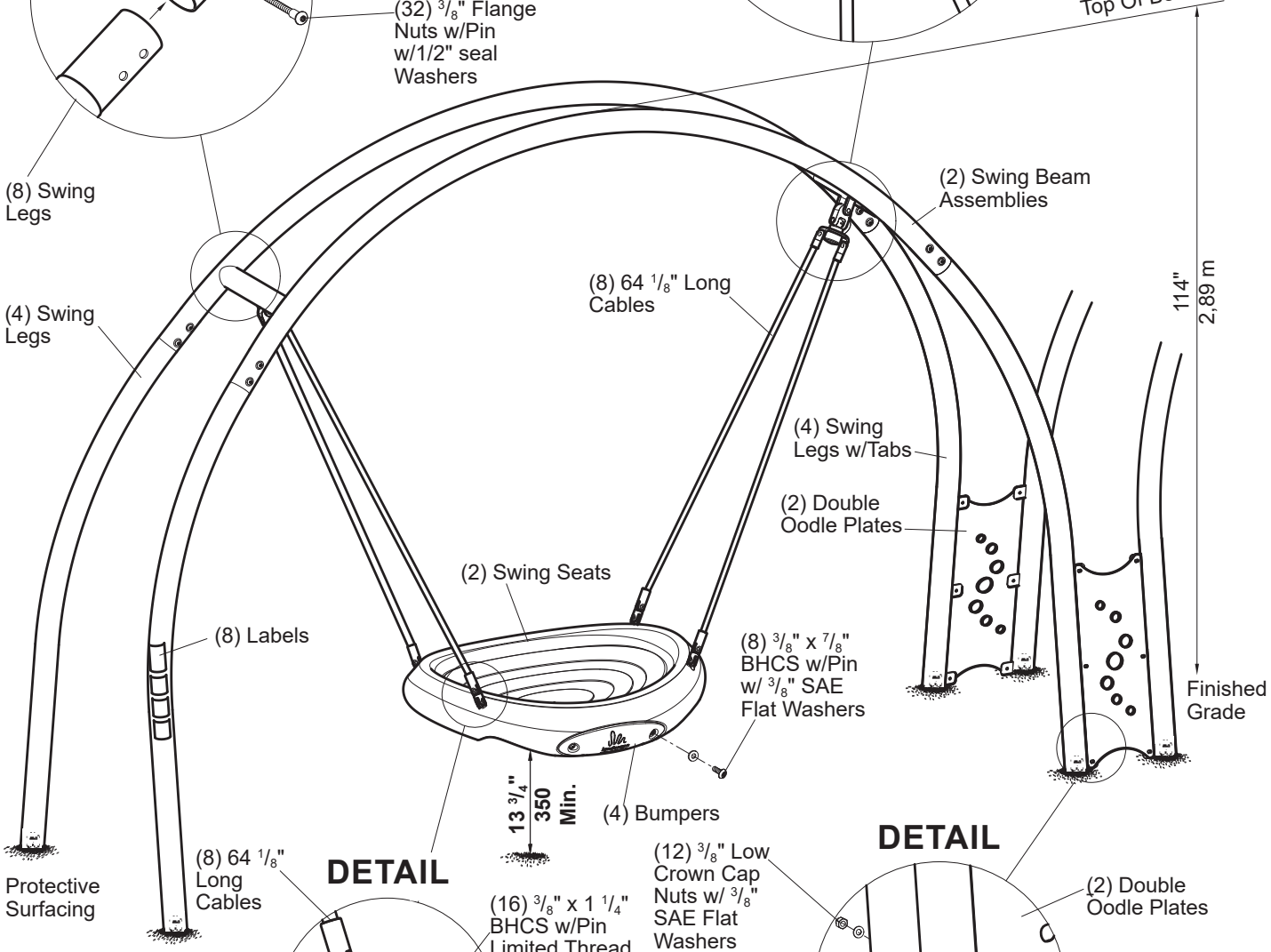
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
CABLE ATTACMENT

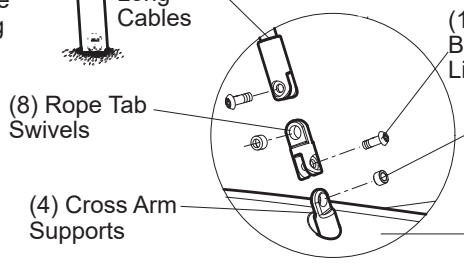


DETAIL
SWING LEG ATTACHMENT

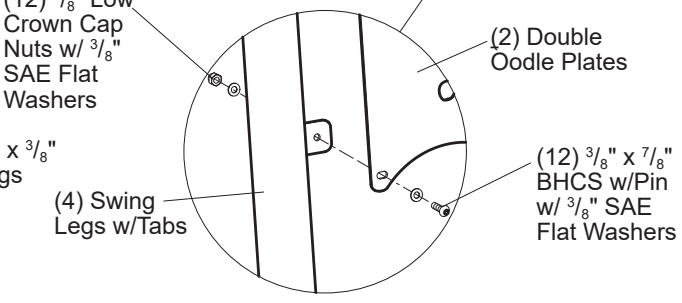




DETAIL



DETAIL



Swings

210117 Oodle® Swing, Double

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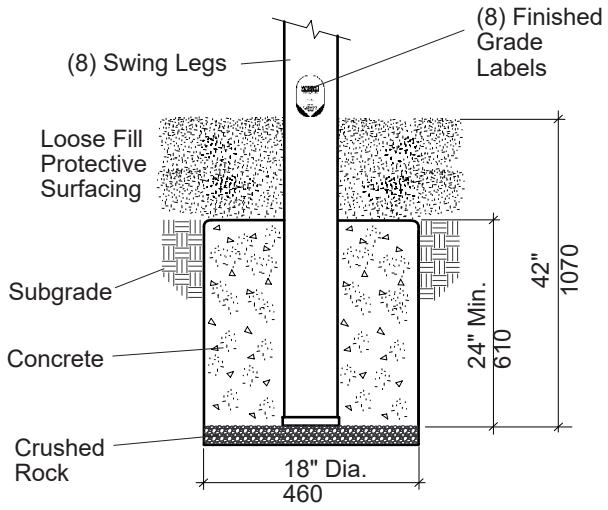
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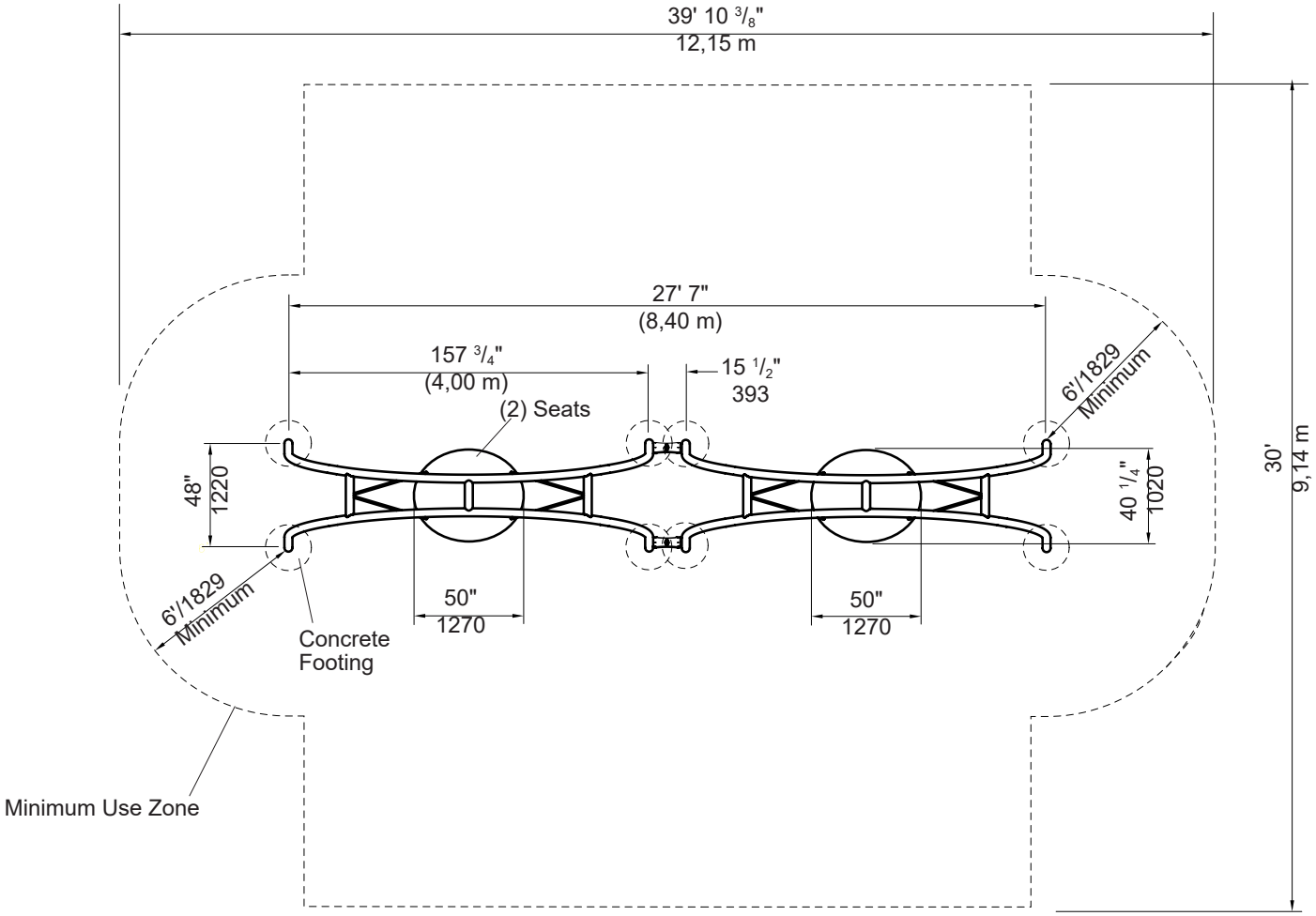
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
DIRECT BURY



PLAN VIEW/FOOTING LAYOUT



Swings

210117 Oodle® Swing, Double

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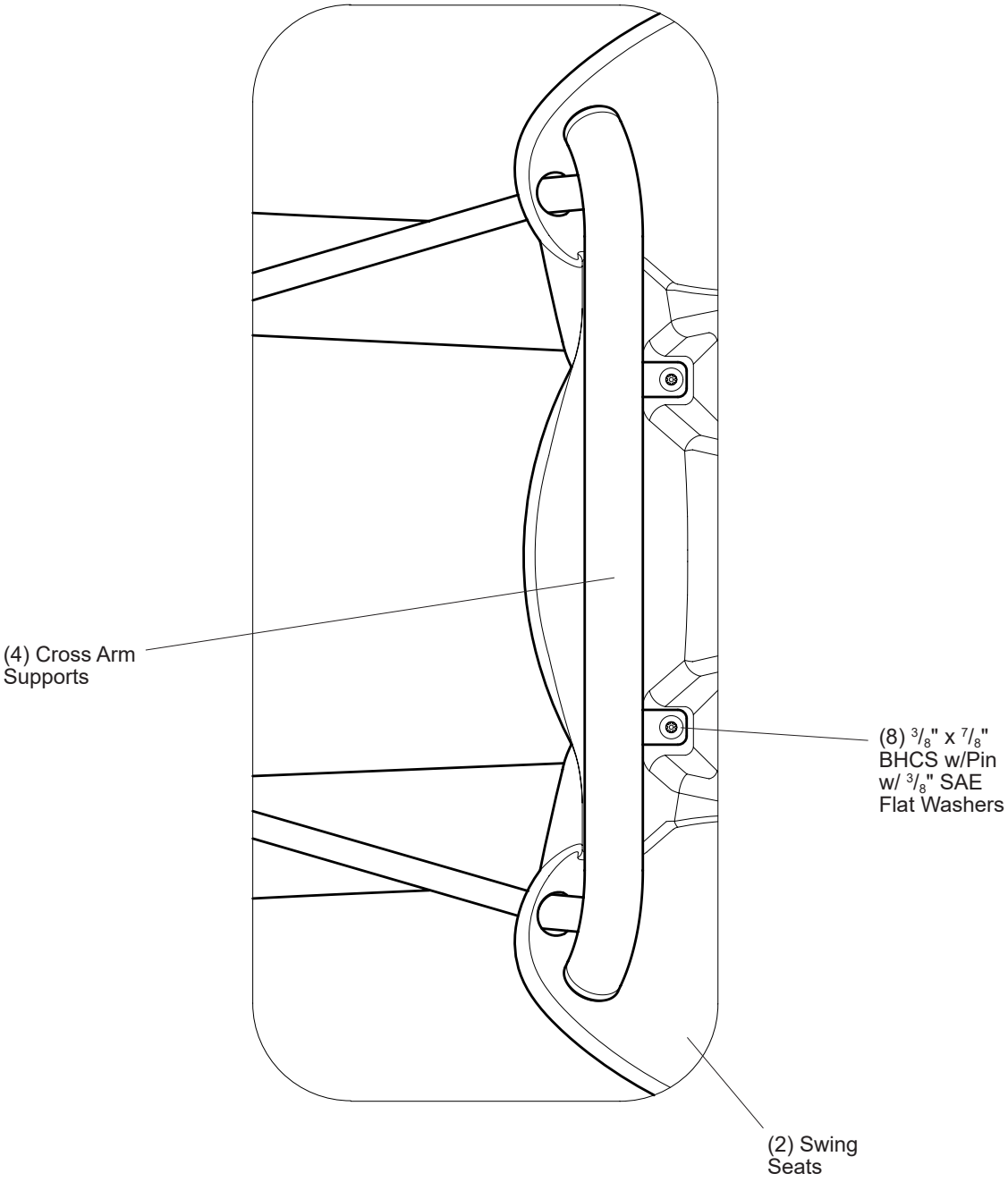
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
SWING SEAT ATTACHMENT

Bottom View



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Swings 210117 Oodle® Swing, Double

Parts List

Part#	Description	Qty.
172045	Swing Bumper, Black	4
174343	Swing Leg, Specify Color	4
178506	Swing Leg w/Tabs, Specify Color	4
177254	Swing Beam Assy., Specify Color	2
343109	Cross Arm Support, Specify Color	4
193982	Swing Seat, Specify Color	2
255178	64 1/8" Swing Cable, Black	8
210118	Double Oodle Plate, Specify Color	2
255160	Rope Tab Swivel, Aluminum	8
255190	**Oodle Swing Hardware Package**	2
100196	3/8" x 7/8" BHCS w/Pin, SST	16
100292	3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST	24
100353	3/8" Flange Nut w/Pin, SST	32
100365	3/8" SAE Flat Washer, SST	16
176539	3/8" x 3 1/4" Threaded Rod, SST	16
127179	5/8" O.D. x 3/8" Long Bushing, SST	24
156847	Play Safe Label, 5-12 Yrs.	2
182213	Hot Surface Warning Label	2
182212	Entanglement Warning Label	2
115176	Hard Surface Warning Label	2
223098	1/2" ID x 1" OD Master Seal Washer	32
210122	**Double Oodle Plate Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	12
100365	3/8" SAE Flat Washer, SST	24
100349	3/8" Low Crown Cap Nut, SST	12

Specifications

Swing Seat: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Cross Arm Support: Weldment comprised of 1.66" (42,16 mm) O.D. RS40 (.108"-.132") (2,16 mm-2,41 mm) Stainless steel tube, 1.000" (25,4 mm) and 7GA (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield®, color specified.

Double Oodle Plate: Fabricated from 7GA (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield®, color specified.

Cable: Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6061-T6 aluminum.

Bumper: Molded from U.V. stabilized black EPDM rubber encapsulating 11 GA (.120") (3,04 mm) HRPO steel sheet.

Swing Beam Assy.: Weldment comprised of 3.500" (88,9 mm) O.D. RS20 (.080"-.090")(2,03 mm-2,28 mm) wall galvanized steel tube and 1/2" (12,7 mm) thick stainless steel tabs. Finish: ProShield®, color specified.

Swing Leg: 3.500" (88,9 mm) O.D. RS20 (.080"-.090")(2,03 mm-2,28 mm) wall galvanized steel tube. Finish: ProShield, color specified.

Rope Tab Swivel: Made from 6061-T6 aluminum.

Swing Leg w/Tabs: Weldment comprised of 3.500" (88,9 mm) O.D. RS20 (.080"-.090")(2,03 mm-2,28 mm) galvanized steel tube and 7GA (.179")(4,54 mm) HRPO steel sheet. Finish: ProShield, color specified.

Swing Hanger Assembly: Assembly comprised of 300 series stainless steel knuckle and yoke, stainless steel swing pin, stainless steel spring pin and oilite bushings.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 18 man hours
Area Required: 39' - 10 3/8" x 30' (12,15 m x 9,14 m) minimum
Weight: 845 lbs.
Concrete: Approx. 1.04 cu. yards
Fall Height: 90" (2,28 m)

Installation Instructions

1) Dig footings spaced as shown. Refer to the Plan View/Footing Layout.
2) Preassemble the Double Oodle swing over a clean non-scratching surface.
3) Attach swing legs to swing beam assemblies, using 3/8" x 3 1/4" threaded rods, 1/2" seal washers and 3/8" flange nuts w/pin. Refer to the Swing Leg Attachment Detail.
4) Stand swings upright onto legs and position in footing holes. Make final adjustments so swing beam assemblies are at proper height and legs are in line with each other.
5) Attach Double Oodle plates to swing legs with tabs. Refer to Detail.

⚠ WARNING: Considering the depth of the surfacing material that will be used under the swing, make sure that the finished grade label (attached on each swing leg) is at the appropriate height. This confirms that the swing can be set at a safe and proper elevation.

6) Pour concrete footings and let cure for 72 hours before proceeding.
7) Attach bumpers to swing seats, using 3/8" x 7/8" BHCS w/pin and 3/8" SAE flat washers.
8) Attach cross arm supports to swing seats. Refer to the Swing Seat Attachment Detail.
9) Attach cables to rope tab swivels. Refer to the Swing Seat Attachment Detail.
10) Attach rope tab swivels to cross arm supports. Refer to the Swing Seat Attachment Detail.
11) Attach cables to swing hanger assemblies. Refer to the Cable Attachment Detail.
12) Apply Play Safe and Warning Labels, as shown.
13) Install protective surfacing before users are allowed to play on the structure.

IMPORTANT: Verify seats have a safe clearance from the surfacing material as shown on sheet 1. Failure to do so could result in a hazardous installation that may result in serious injury.

ECO #0110269 Document #34320200 replaces #26967500. Product improvement to support pin in cross arm support.

Specifications are subject to change without notice.

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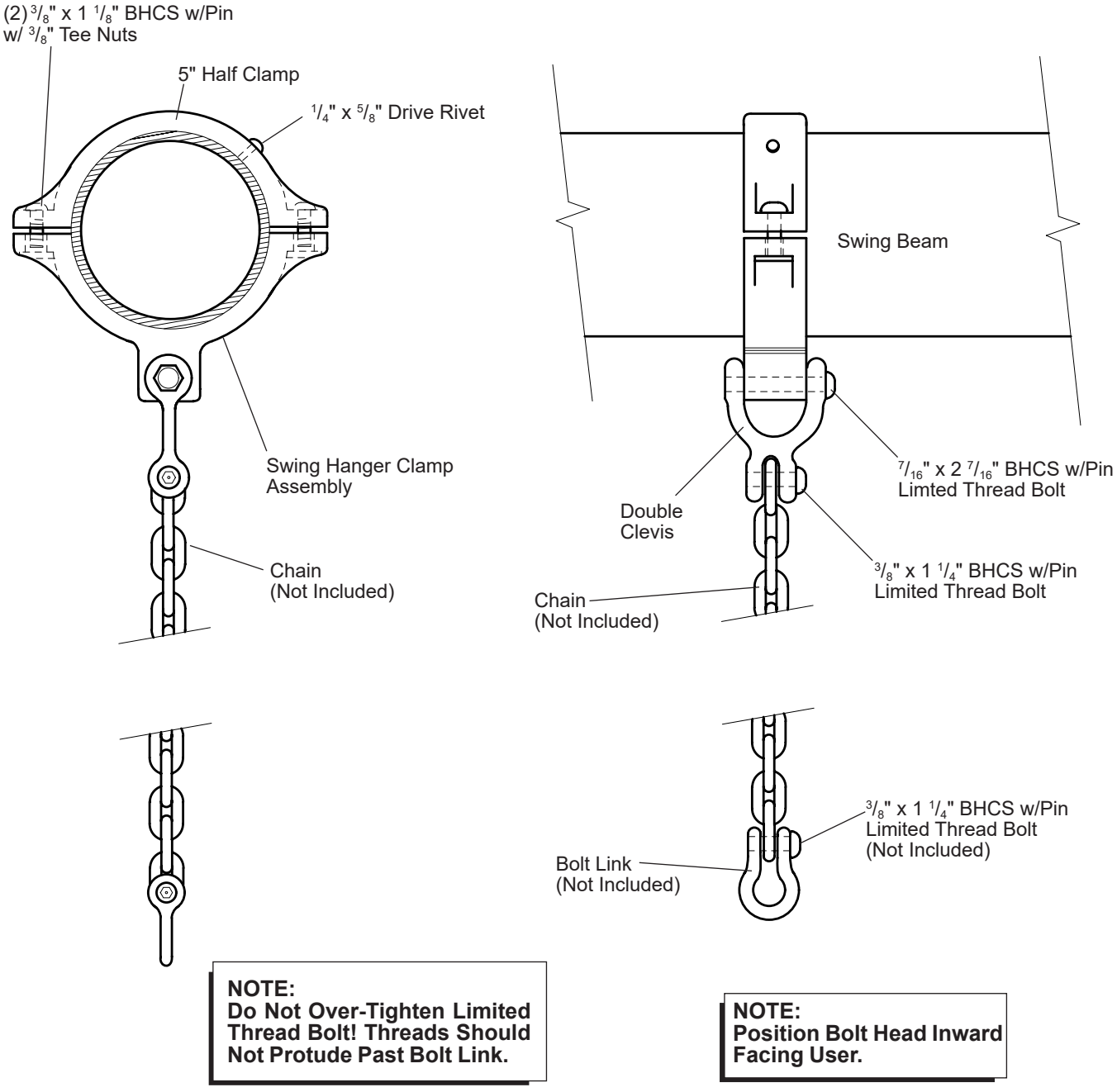
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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NOTE:
Do Not Over-Tighten Limited Thread Bolt! Threads Should Not Protude Past Bolt Link.

NOTE:
Position Bolt Head Inward Facing User.

Swings

111418 Swing Hanger, Belt Swing

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Swings 111418 Swing Hanger, Belt Swing

Parts List

Part#	Description	Qty.
105327-01	5" Half Clamp, Specify Color	1
100198-00	3/8" x 1 1/8" BHCS w/Pin, SST	2
100351-00	3/8" Tee Nut, SST	2
100610-00	1/4" x 5/8" Drive Rivet, AL/SST	1
100292-00	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST	1
121291-00	**Swing Hanger Clamp Assy. Specify Color**	1
121289-00	Swing Hanger Clamp, Specify Color	1
127068-00	7/16" x 2 7/16" BHCS w/Pin Ltd. Thread Bolt, SST	1
138917-00	Swing Hanger Double Clevis SST	1
100667-00	Oilite Bushing	1

Specifications

Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Double Clevis: Stainless Steel.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1/2 man hour

Weight: 6 lbs.

Installation Instructions

1) Locate and mark location of clamp on beam.

2) Attach 5" half clamp and swing hanger clamp to beam using 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. *Tighten evenly.*

3) ***IMPORTANT:*** *Drill through holes in 5" half clamps and into 5" pipe with a 1/4" or "F" (only) drill bit, tap 1/4" x 5/8" drive rivets through 5" half clamps and into pipe, to ensure that clamps remain secure.*

4) Attach swing chain to double clevis using 3/8" x 1 1/4" BHCS w/pin limited thread bolts.

5) Attach swing seat to chains using bolt links with 3/8" x 1 1/4" BHCS w/pin limited thread bolts. **NOTE:** *Do not over-tighten limited thread bolt. Threads should not protrude past bolt link. Position bolt head inward facing user.*

Specifications are subject to change without notice.

ECO #54506 Document #18379700 replaces #13616300. Changed Double Clevis material to Stainless Steel.

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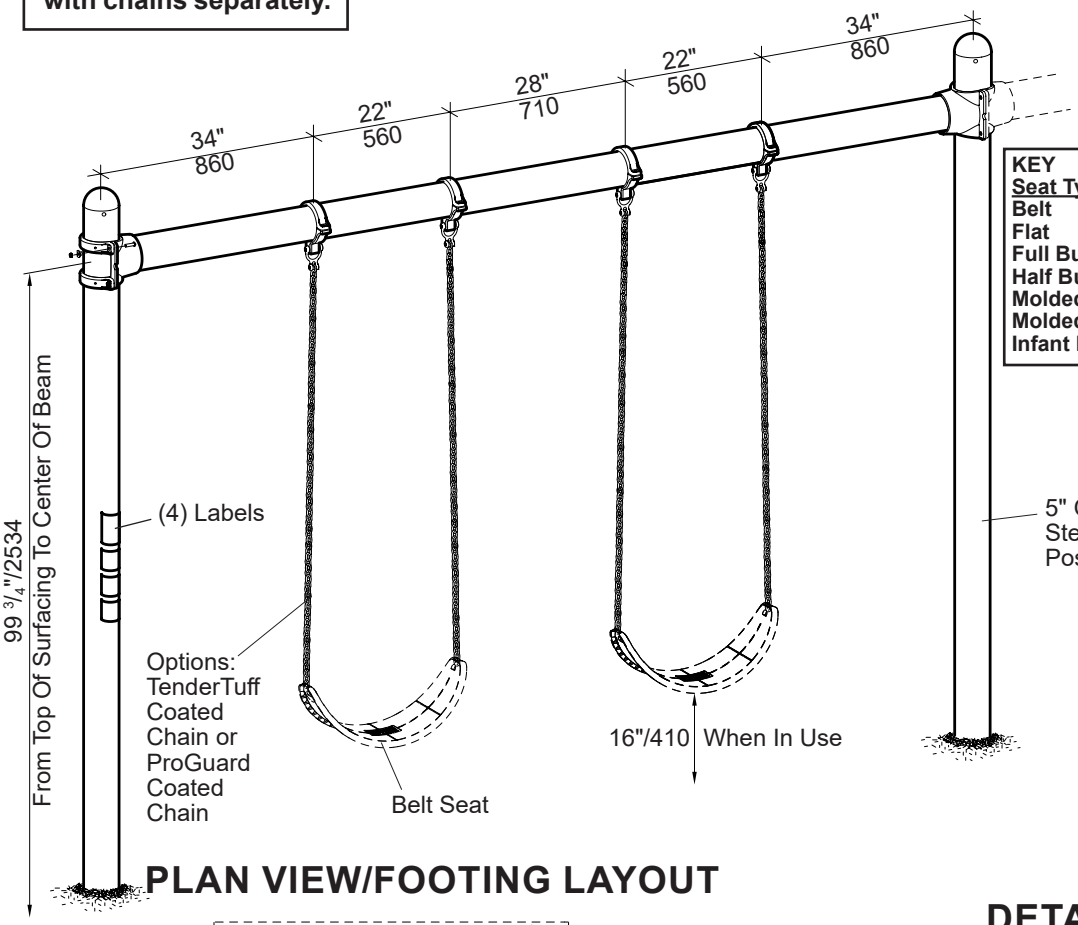
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

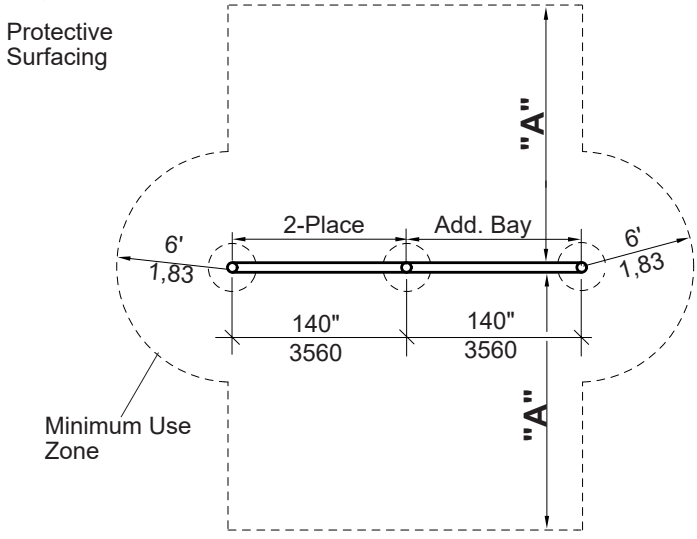
NOTE: Model numbers are for swing frames only, order swing seats with chains separately.



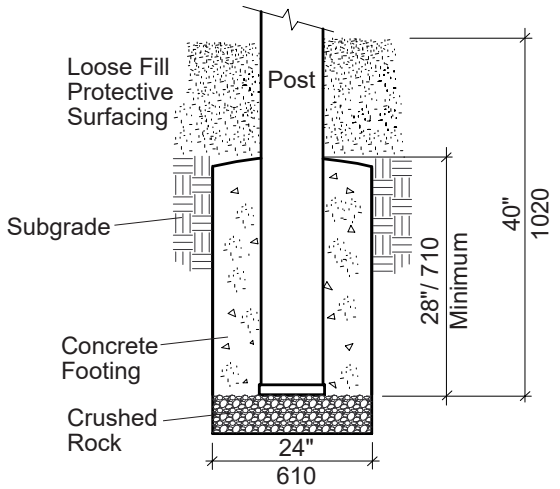
KEY

Seat Type	Dimension "A"
Belt	16'-0" (4,88 m)
Flat	16'-0" (4,88 m)
Full Bucket	12'-0" (3,66 m)
Half Bucket	16'-0" (4,88 m)
Molded Bucket	16'-0" (4,88 m)
Molded Bucket/Harness	16'-0" (4,88 m)
Infant Full Bucket	N/A

PLAN VIEW/FOOTING LAYOUT



DETAIL
CONCRETE FOOTING



Model #177333 Additional Bay

Swings

177332/177333 Single Post Swing Frame

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #30164000

Swings 177332/177333 Single Post Swing Frame

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Parts List

Part#	Description	Qty. 2 Pl	Qty. Add Bay
216492	Swing Beam, Specify Color	1	1
220966	148" Steel Post Assy., Specify Color	2	1
105327	5" Half Clamp, Specify Color	8	4*
100610	1/4X5/8i DRV, Rivet, AS	8	8
121291	**Swing Hanger Clamp Assy. Specify Color**	4	4
121289	Swing Hanger Clamp, Specify Color	4	4
127068	$^{7}/_{16}$" x 2 $^{7}/_{16}$" BHCS w/Pin Ltd. Thread, SST	4	4
138917	Swing Hanger Double Clevis	4	4
100667	Oilite Bushing	4	4
243802	**Hdw Pkg 5iOD Swing Beam.**	1	1
100198	$^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin, SST	8	8
234397	BHCS 6LP LTHD 7/16 x 1 11/16i, SSTST	8	8
100292	$^{3}/_{8}$" x 1 $^{1}/_{4}$"BHCS w/Pin Ltd. Thread, SST	4	4
100351	$^{3}/_{8}$" Tee Nut, SST	8	8
156846	Play Safe Label, 2-12 Yrs.	1	1
234937	$^{7}/_{16}$" D Cut Washer, SST	16	16
182213	Hot Surface Warning Label	1	1
182212	Entanglement Warning Label	1	1
115176	Hard Surface Warning Label	1	1
100330	$^{7}/_{16}$" Nylok Hex Nut	8	8

*** = 5" Half Clamps From 2 PL. End Of Beam Need To Be Used.**

Specifications

Post: See PlayBooster® (PB) General Specifications.

Swing Beam: Weldment comprised of tee clamps and 5" O.D. extruded 6005-T5 aluminum alloy tube with a .125" wall. Finish: ProShield®, color specified.

Clamp: Cast aluminum. Finish: ProShield,, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/ specifications).

Installation Time: **2-Place** - Approx. 6 man hours
Additional Bay - Approx. 3 man hours

Concrete Req.: **2-Place** - Approx. 14 cu. ft.
Additional Bay - Approx. 7 cu. ft.

Area Req: **2-Place** - 24'-1" x 24' (7,3 m x 7,31 m) Full bucket seats.
2-Place - 24'-1" x 32' (7,3 m x 9,75 m) For all other seats.
Additional Bay - 11'-8" x 24' (3,56 m x 7,31 m) Full bucket seats.
Additional Bay - 11'-8" x 32' (3,56 m x 9,75 m) For all other seats.

Weight: **2-Place** - 206 lbs.
Additional Bay - 122 lbs.

Installation Instructions

1) Dig footings spaced as shown. Refer to Concrete Footing Detail.
2) Set posts in footing holes and attach swing beam using 5" half clamps with $^{7}/_{16}$" BHCS w/Pin, $^{7}/_{16}$" D-Cut Washers, and $^{7}/_{16}$" Nylok nuts. Refer to the Swing Beam Attachment Detail. Center of beam should be 99 $^{3}/_{4}$" above finished grade. When installing back to back swing beams refer to the Back To Back Tee Clamps Detail. **NOTE:** *Tighten all BHCS w/ pin equally.*
3) Level beam and plumb posts and temporarily prop in position. Pour concrete footings and let cure for 72 hours before proceeding.
4) Locate, mark and attach swing hanger clamps to beam in locations shown. Refer to the Swing Hanger Clamp Attachment Detail.
5) **NOTE:** *Refer to specific swing seat installation document for attaching chains and seats.*
6) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet. Refer to the Back To Back Tee Clamps Detail.
7) Apply Play Safe and Warning Labels, as shown.
8) Install protective surfacing before users are allowed to play on the swing.

ECO# 0102179 Document 30164000 replaces 24382000 Change to molded seat w/harness use zone

Specifications are subject to change without notice.

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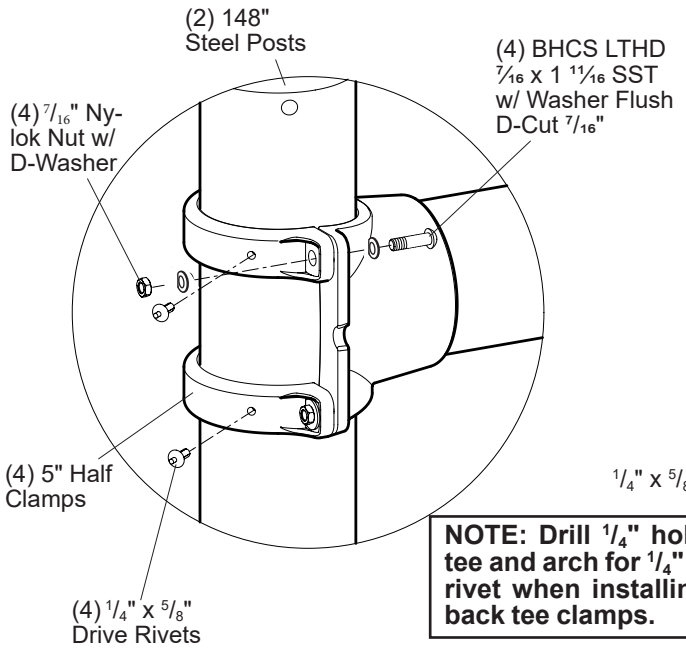
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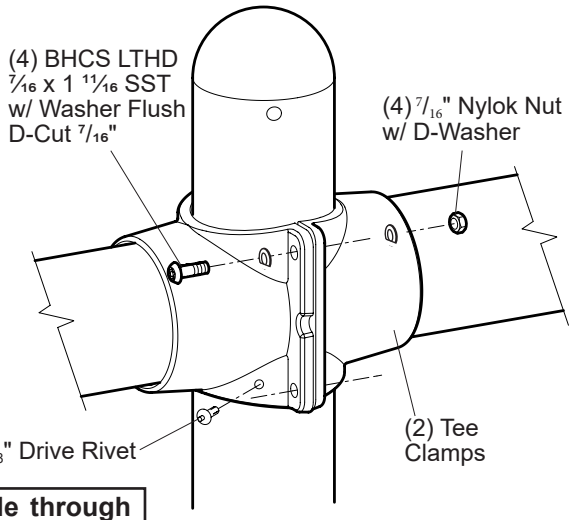
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
BEAM ATTACHMENT



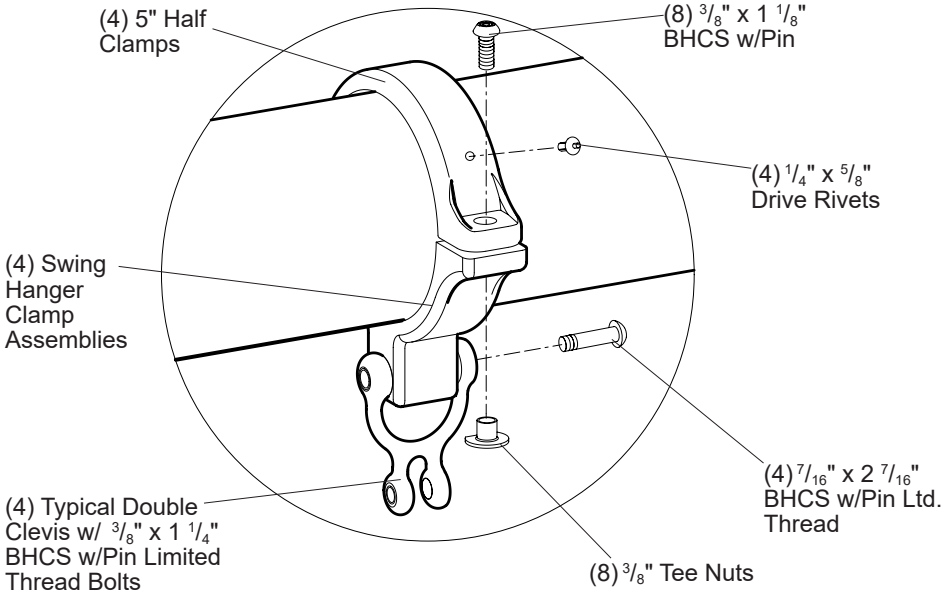
DETAIL
BACK TO BACK TEE CLAMPS



NOTE: Drill 1/4" hole through tee and arch for 1/4" x 5/8" drive rivet when installing back to back tee clamps.

NOTE: Tighten all BHCS w/Pin equally.

DETAIL
SWING HANGER ATTACHMENT



Swings **177332/177333 Single Post Swing Frame**

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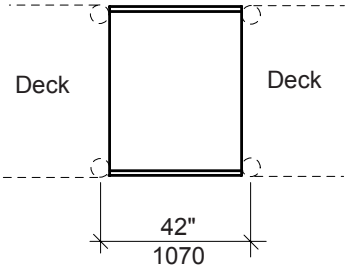
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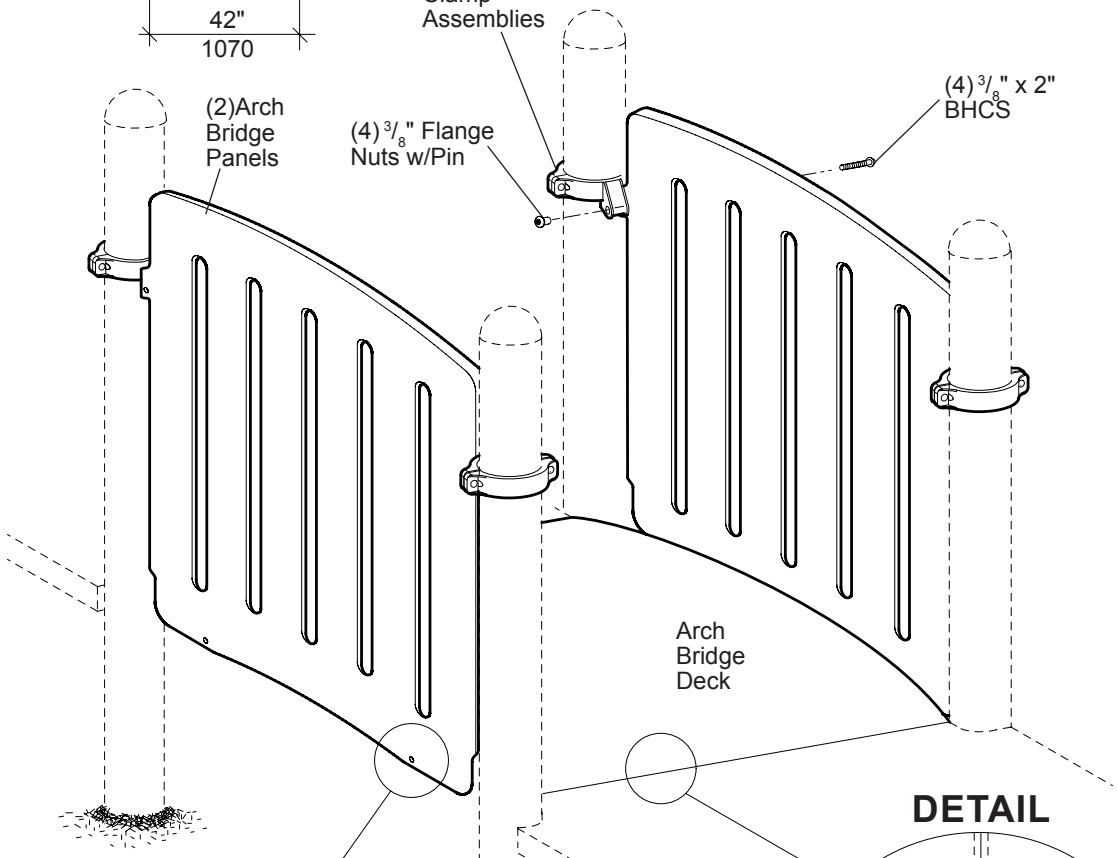
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

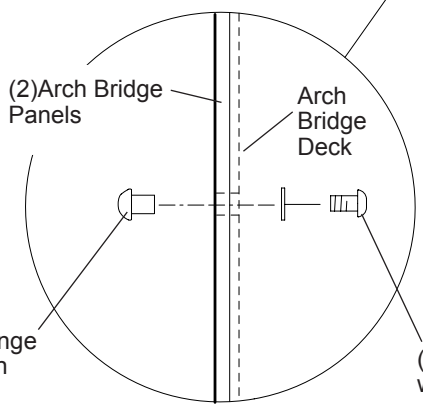
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PLAN VIEW/ FOOTING LAYOUT

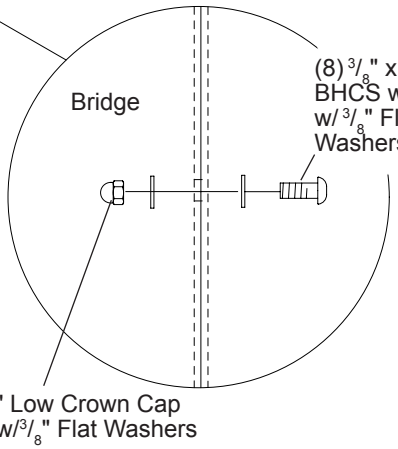




DETAIL



DETAIL



PlayBooster® 114665 Arch Bridge, 42"

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PlayBooster® 114665 Arch Bridge, 42"

Parts List

Part#	Description	Qty.
105327	5" Half Clamp, Specify Color	4
113453	Arch Bridge Panel, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	4
134946	Arch Bridge, Specify Color	1
133508	**Arch Bridge Hardware Package**	1
100173	3/8" x 2" BHCS, SST	4
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	16
100349	3/8" Low Crown Cap Nut, SST	8
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	8
100362	3/8" Flat Washer, SST	16
100365	3/8" SAE Flat Washer, SST	4
100610	1/4" x 5/8" Drive Rivet, AL/SST	4

Specifications

Arch Bridge: Fabricated from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes. Finish: TenderTuff™, color specified.

Panel: Solid color Permalene® panel.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour

Weight: 160 lbs.

Installation Instructions

1) With posts & decks in position, attach arch bridge to face of decks using 3/8" x 1 1/8" BHCS w/pin with 3/8" flat washers and 3/8" low crown cap nuts with 3/8" flat washers. See Detail.
2) Attach panels to the arch bridge using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" BHCS w/pin. See Detail.
3) Attach offset hanger clamps to panel using 3/8" x 2" BHCS and 3/8" flange nuts w/pin. Fasten offset hanger clamps to posts using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. See Detail.
4) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco 0100032 Document #19953600 replaces #13524000. Pictorially updated panels and added low crown cap nuts to Parts List.

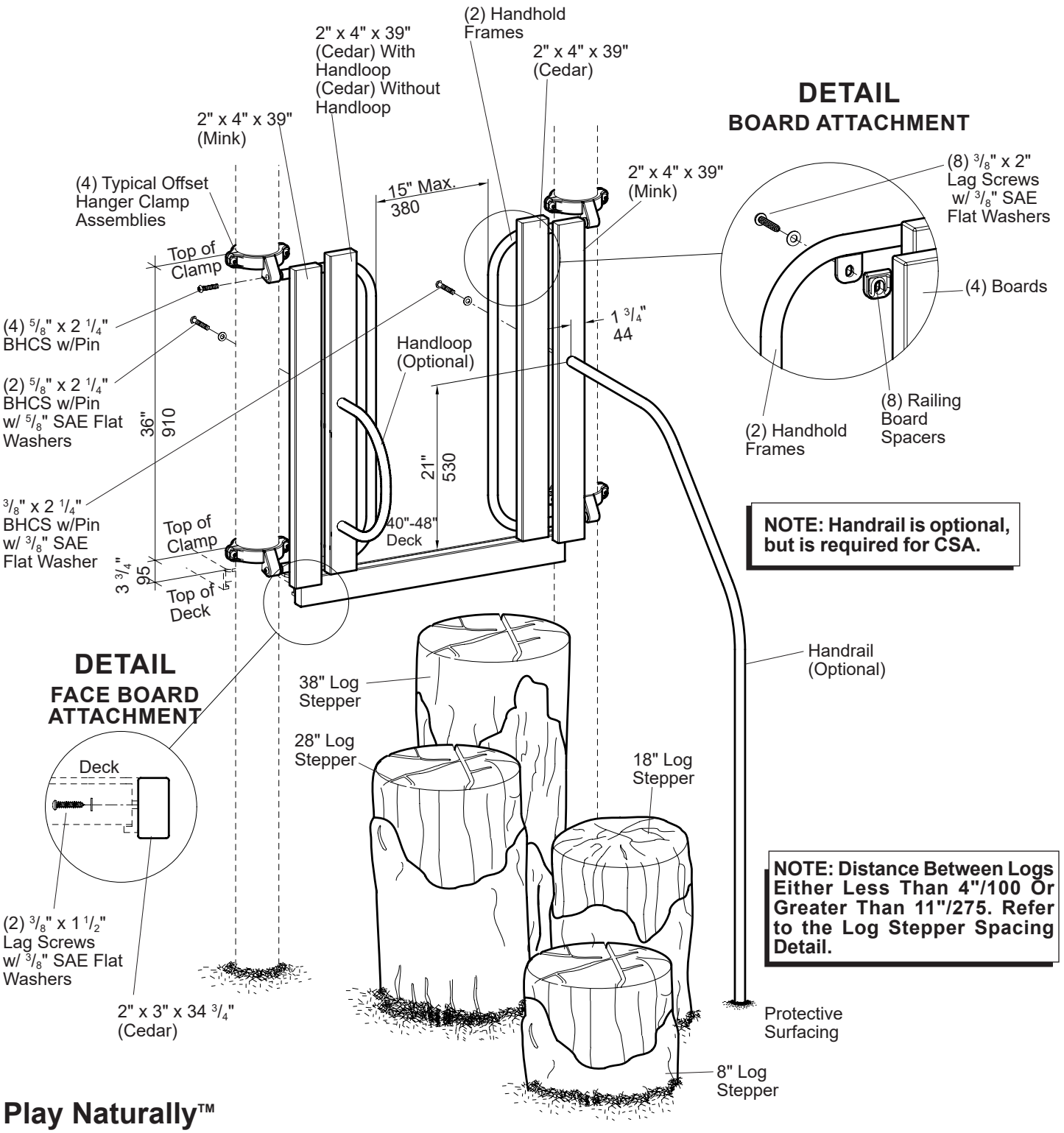
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



Play Naturally™

PlayBooster®

169320 Log Steppers, 40"-48"

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Document #29978300

PlayBooster® 169320 Log Steppers, 40"-48"

Parts List

Part#	Description	Qty.
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
165898	Handloop (Optional), Tan	1
169051	Handrail (Optional), Tan	1
168211	Handhold Frame, Tan	2
168467	2" x 4" x 39" Board, Cedar	1/2
168467	2" x 4" x 39" Board, Mink	2
168470	2" x 4" x 39" Handloop Board, Cedar	0/1
175267	2" x 3" x 34 3/4" Deck Face Board, Cedar	1
200691	8" Log Stepper (DB), Natural	1
200692	18" Log Stepper (DB), Natural	1
200693	28" Log Stepper (DB), Natural	1
200694	38" Log Stepper (DB), Natural	1
299782	**Tree House HHold (PR) Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100365	3/8" SAE Flat Washer, SST	8
139039	3/8" x 2" Lag Screw, SST	8
207485	Railing Board Spacer, Tan	8
169651	**Recycled Deck FC/Kick Brd. Hardware Pkg.**	1
100365	3/8" SAE Flat Washer, SST	4
168198	3/8" x 1 1/2" Lag Screw, SST	4
175291	**Handloop Hardware Package (Optional)**	1
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
129500	5/8" SAE Flat Washer, SST	2
175292	**Tree House Handrail Hardware Pkg.(Optional)**	1
100199	3/8" x 2 1/4" BHCS w/Pin, SST	1
100365	3/8" SAE Flat Washer, SST	1

DB = Direct Bury

Specifications

Log Stepper Assy.: **(Footer Post)** Weldment comprised of 5" O.D. x 11 GA. (.120") wall galvanized steel tubing and 3/16" HRPO steel plate. Finish: ProShield®, color specified. **(Log Stepper-fully assembled)** Precast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

Poly Board: Recycled high-density polyethylene, cedar or mink in color.

Handloop: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal thread. Finish: ProShield, tan in color.

Handrail: Weldment comprised of 1.315" O.D. RS20 (.080"-.090" wall) galvanized steel tube with 203 or 303 stainless steel inserts, with 5/8" internal thread. Finish: ProShield, tan in color.

Handhold Frame: Weldment comprised of 1.125" O.D. x 11 GA (.120") steel tubing with 203 or 303 stainless steel inserts, with 5/8" internal thread and 1/4" HRPO steel plate. Finish: ProShield, tan in color.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 5 man hours
Approx. 5 1/4 man hours (with handrail)

Concrete Req.: Approx. 7.12 cu. ft.
Approx. 8.42 cu. ft. (with handrail)

Weight: 1663 lbs.
1667 lbs. (with handloop)
1676 lbs. (with handrail)
1680 lbs. (with handloop & handrail)

Fall Height: Deck Height

Installation Instructions

1) **(Direct Bury)** Dig footing holes as shown. Refer to the Plan View/ Footing Layout.

2) Attach offset hanger clamps to posts at heights shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

3) Attach handhold frames to offset hanger clamps, using 5/8" x 2 1/4" BHCS w/pin.

4) Line up pilot holes in boards with spacers and handhold frame tabs and attach, using 3/8" x 2" lag screws with 3/8" SAE flat washers. Refer to the Board Attachment Detail.

5) Line up pilot holes in deck face board with holes in deck and attach, using 3/8" x 1 1/2" lag screws with 3/8" SAE flat washers. Refer to the Face Board Attachment Detail.

6) (Optioanl Handloop) Attach handloop to handloop board, using 5/8" x 2 1/4" BHCS w/pin and 5/8" SAE flat washers.

7) (Optional Handrail) Using a 1/4" drill bit, drill a pilot hole through board at dimensions shown. Use a 7/16" drill bit to drill through pilot hole. Attach handrail to board, using 3/8" x 2 1/4" BHCS w/pin and 3/8" SAE flat washer.

8) To unload the log steppers and place in footing holes, a "Lull" type material handler and strap are recommended. Position log steppers in footing holes at dimensions shown, and prop in plumb position. With log steppers and handrail plumb, pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

9) Install protective surfacing before users are allowed to play on the structure.

10) **NOTE: After installation if Touch-up/Repairs are needed to the concrete, contact Landscape Structures at 1-888-574-4678.**

Specifications are subject to change without notice.

Eco #0102160 Document 29978300 replaces 24095600. Updated hdw pkg.

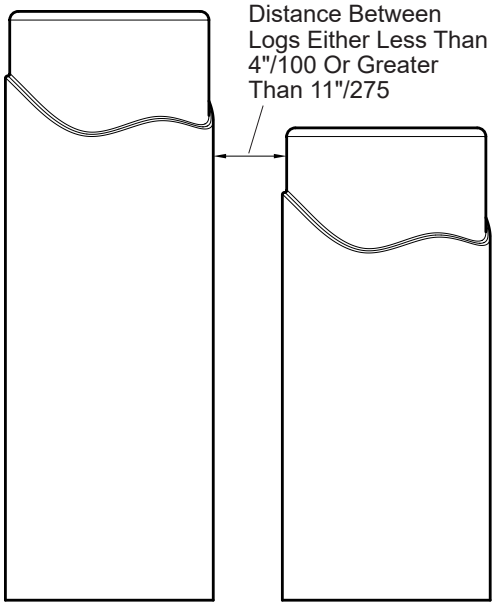
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SAFETY NOTE

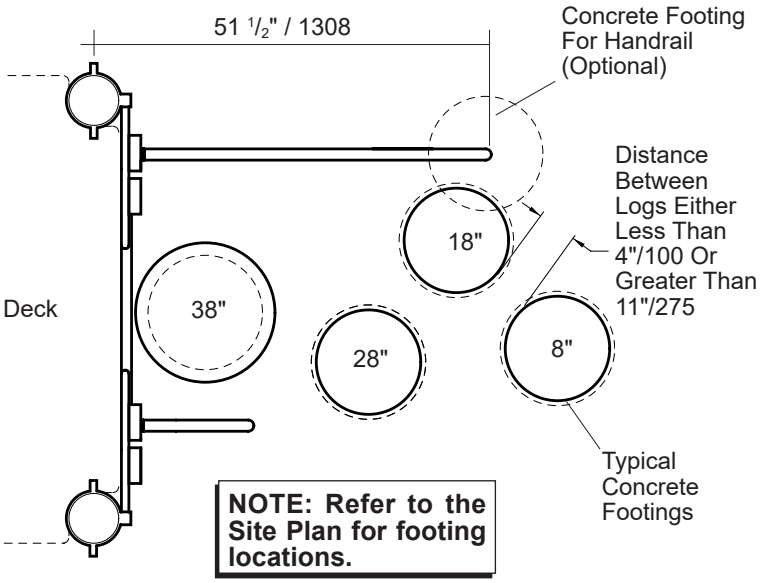
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL
LOG STEPPER SPACING

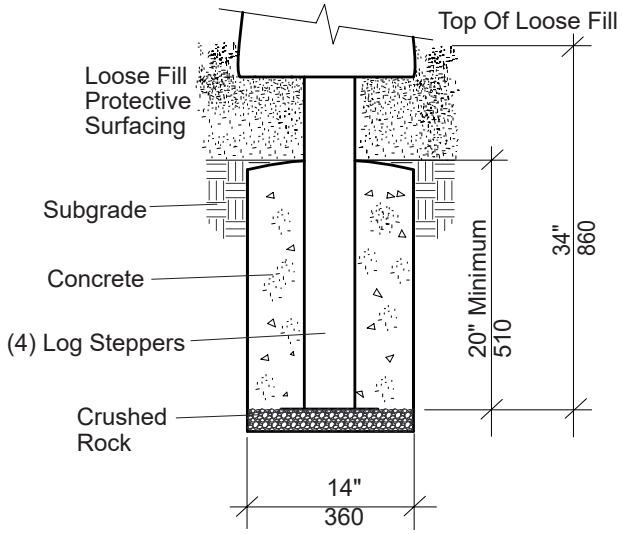


PLAN VIEW/FOOTING LAYOUT

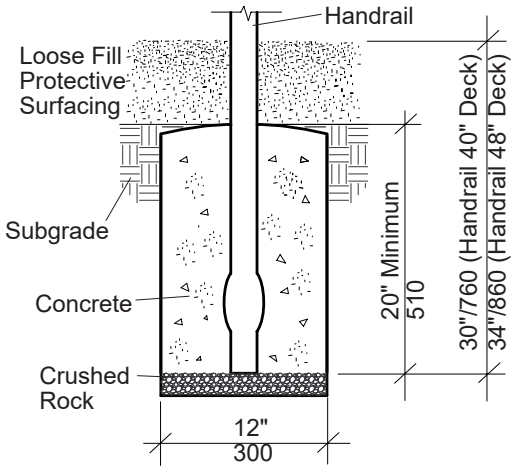


NOTE: Refer to the Site Plan for footing locations.

DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



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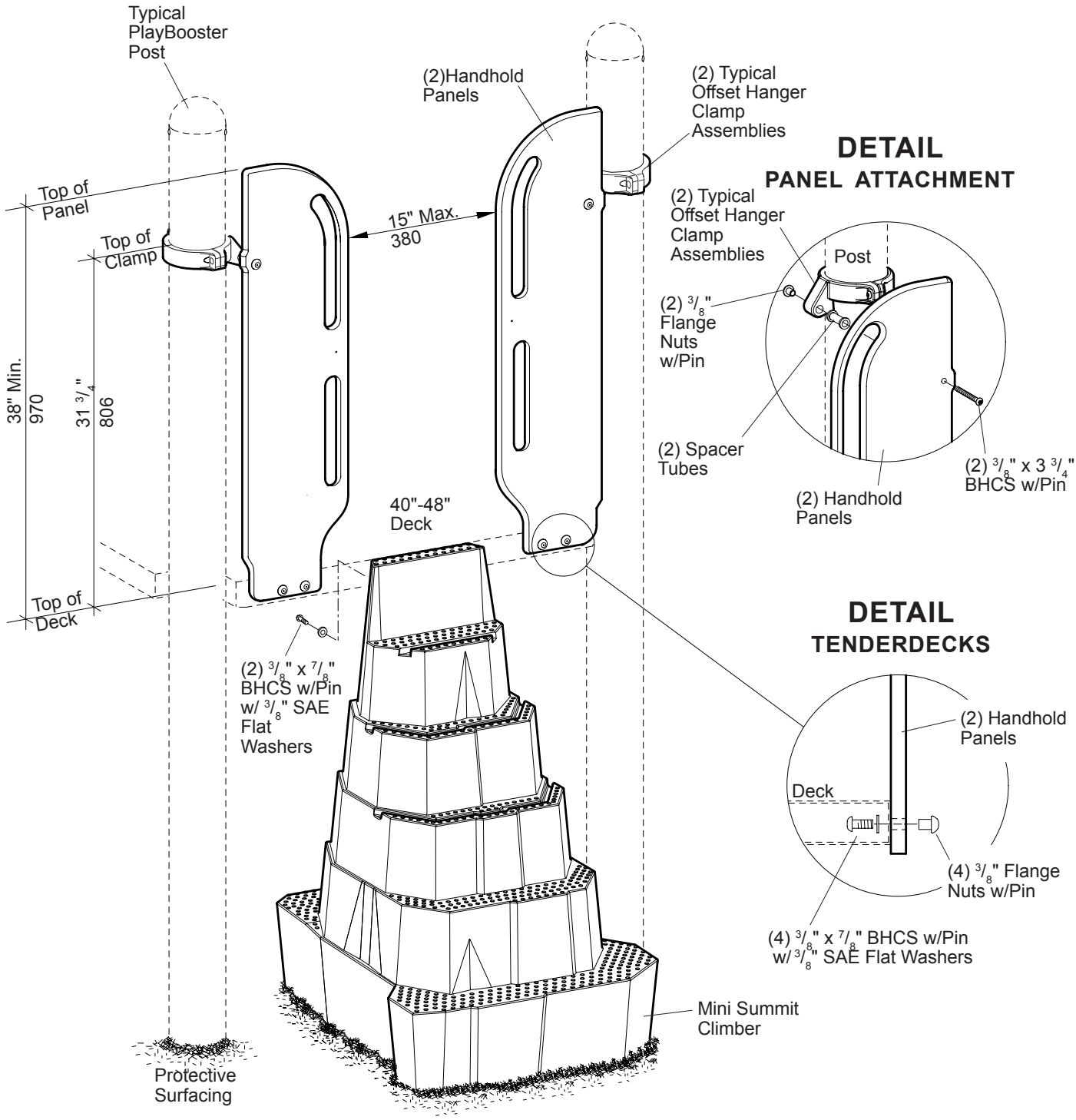
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

15307800



NOTE: Summit Climber cannot be installed over a concrete slab off a 40" deck.

PlayBooster® 153076 Mini Summit Climber, 40"-48" Deck

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 153076 Mini Summit Climber, 40"-48" Deck

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Parts List

Part#	Description	Qty.
152553	Mini Summit Climber, Specify Color	1
139563	Handhold Panel, Specify Color	2
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
113468	Spacer Tube, Specify Color	2
153191	Support, DB, Specify Color	1
153239	Support, SM, Specify Color	1
139899	**Summit Climber PO Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	6
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	6
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
129111	**Support Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	2
100362	3/8" Flat Washer, SST	2
111391	**2 Hole (SM) Hardware Package**	1
100263	3/8" x 2 3/4" Expansion Anchor	2
100327	3/8" Standard Hex Nut, SST	2
100362	3/8" Flat Washer, SST	2

SM = Surface Mount
DB = Direct Bury

Specifications

Mini Summit Climber: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Handhold Panel: Solid color Permalene®, color specified.

Support (DB): Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" mounting plate. Finish: ProShield®, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **SM** - Approx. 1/2 man hour
DB - Approx. 3/4 man hour

Concrete: 1.31 cu. ft.

Weight: 86 lbs. **SM**
88 lbs. **DB**

Fall Height: Deck Height

Specifications are subject to change without notice.

Installation Instructions

1) **(Direct Bury)** Dig footing as shown. Refer to the Plan View & Direct Bury Details.

2) Attach offset hanger clamps to posts at height shown using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

3) Attach handhold panels to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. Refer to the Tenderdeck Detail.

4) Attach handhold panels to the offset hanger clamp assemblies using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. Refer to the Panel Attachment Detail.

5) Attach support to Mini Summit Climber using 3/8" x 1 1/8" BHCS w/ pin with 3/8" flat washers, as shown. Refer to the Direct Bury Detail.

6) Attach Mini Summit Climber or to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers, as shown.

7) **(Direct Bury)** With summit climber plumb and level, pour concrete footing. Allow concrete footing to cure a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Drill 3/8" x 3" deep holes through support plate using hammer drill and 3/8" masonry bit. Tap expansion anchors into drilled holes. Fasten support plate to expansion anchors using 3/8" standard hex nuts with 3/8" flat washers. Refer to the Surface Mount Detail.

8) Install protective surfacing before users are allowed to play on the structure.

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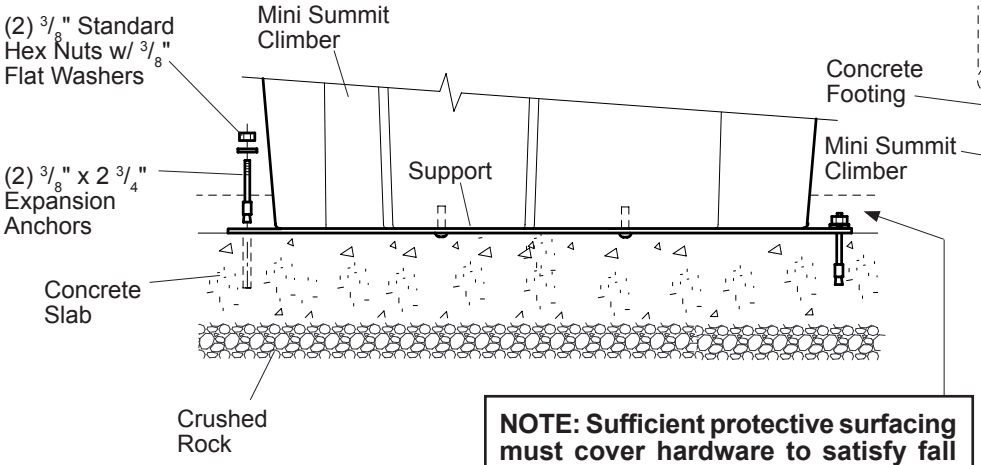
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

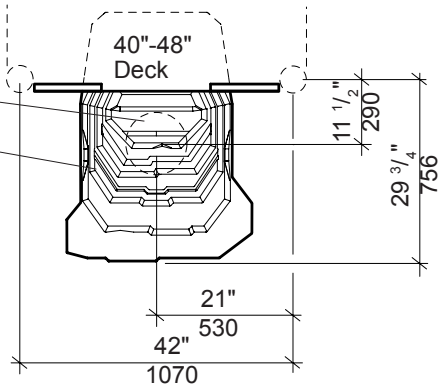
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DETAIL
SURFACE MOUNT

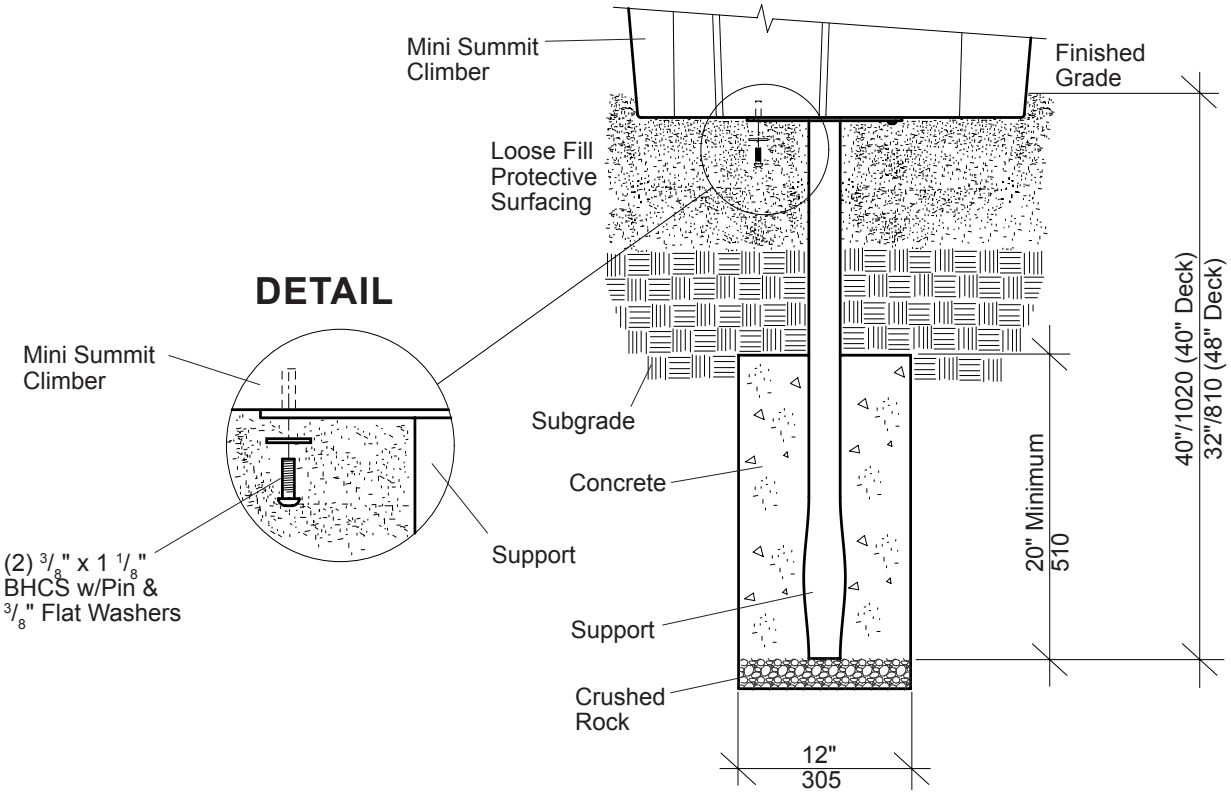


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

PLAN VIEW



DETAIL
DIRECT BURY



PlayBooster® 153076 Mini Summit Climber, 40" - 48" Deck

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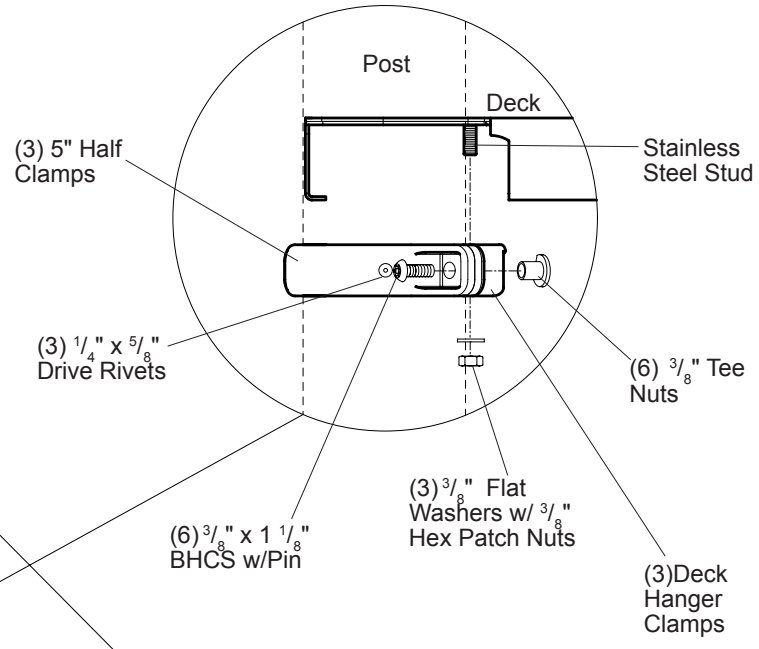
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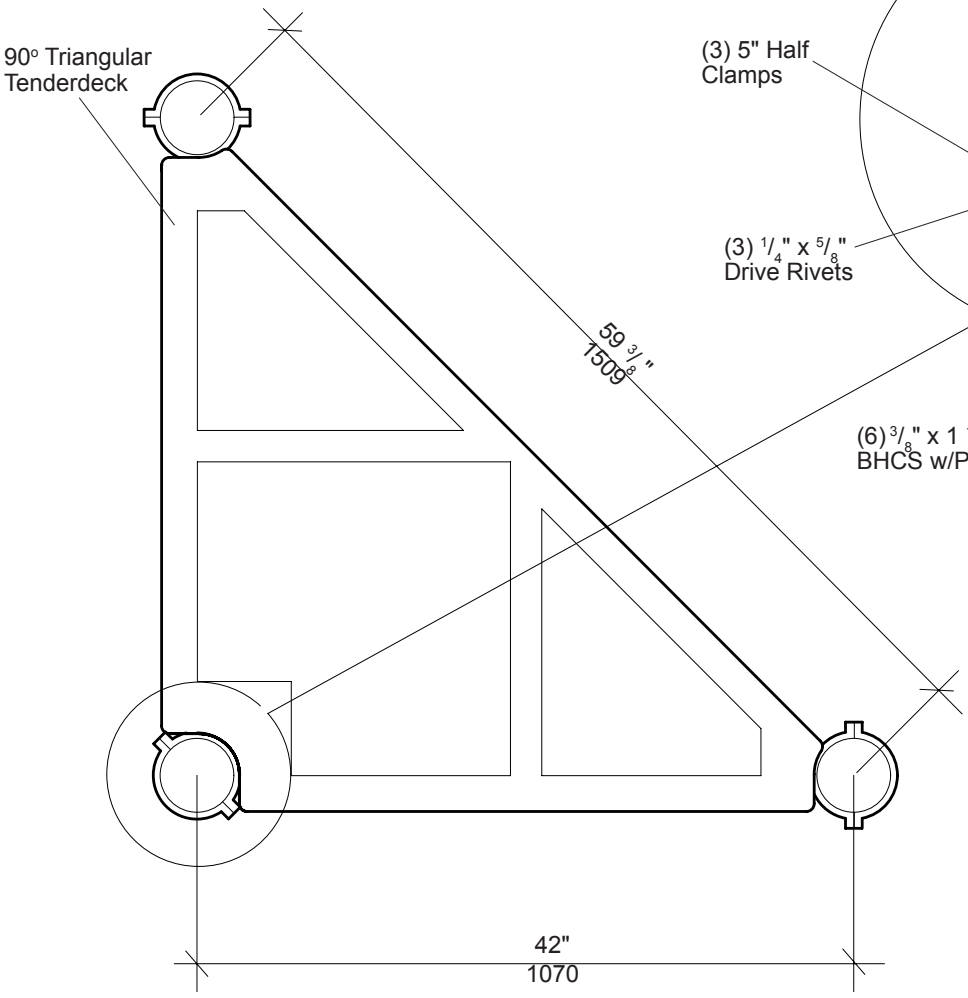
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

14582500

DETAIL
DECK HANGER CLAMP





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122197 90° Triangular Tenderdeck

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PlayBooster® 122197 90° Triangular Tenderdeck

Parts List

Part#	Description	Qty.
145658	90° Tri-Deck, Specify Color	1
105327	5" Half Clamp, Specify Color	3
106022	Deck Hanger Clamp, Specify Color	3
120203	**Triangular Deck Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	6
100321	3/8" Hex Patch Nut, SST	3
100351	3/8" Tee Nut, SST	6
100362	3/8" Flat Washer, SST	3
100610	1/4" x 5/8" Drive Rivet, AL/SST	3

Specifications

Triangular Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" x 37 3/4". Finish: TenderTuff™, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1/2 man hour

Weight: 67 lbs.

Installation Instructions

1) Mark posts for the appropriate height of the deck you are installing.
2) Fasten deck hanger clamps to marked position on posts. See Detail on front of sheet.
3) Lift deck assembly into position, lining up stud underneath deck with deck hanger clamp as shown. Attach using 3/8" hex patch nuts with 3/8" flat washers. With deck level and posts plumb, final tighten all hardware.
4) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) After attachment of enclosures and components is complete, pour concrete footings. Allow concrete footings to cure a minimum of 72 hours before users are allowed to play on the structure.
6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #52268 Document #14582500 replaces #13973400. Replaced 90° Tri-Deck.

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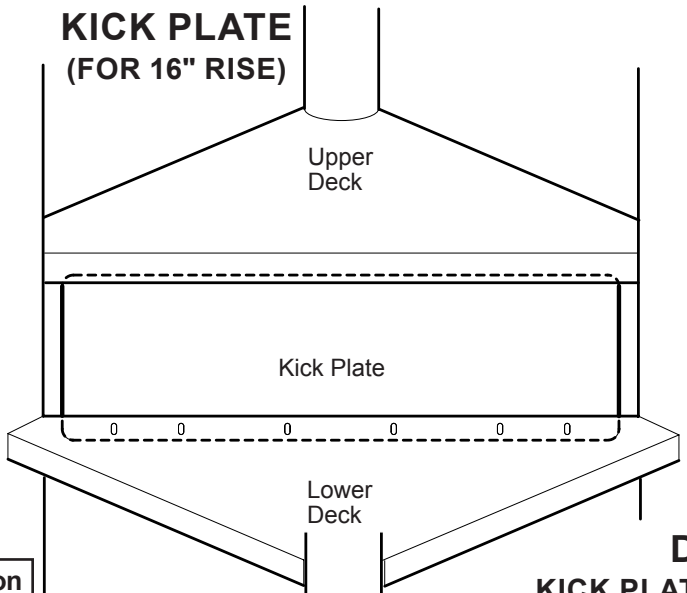
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

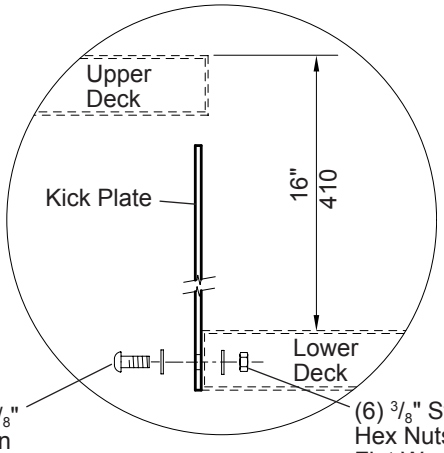
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KICK PLATE (FOR 16" RISE)

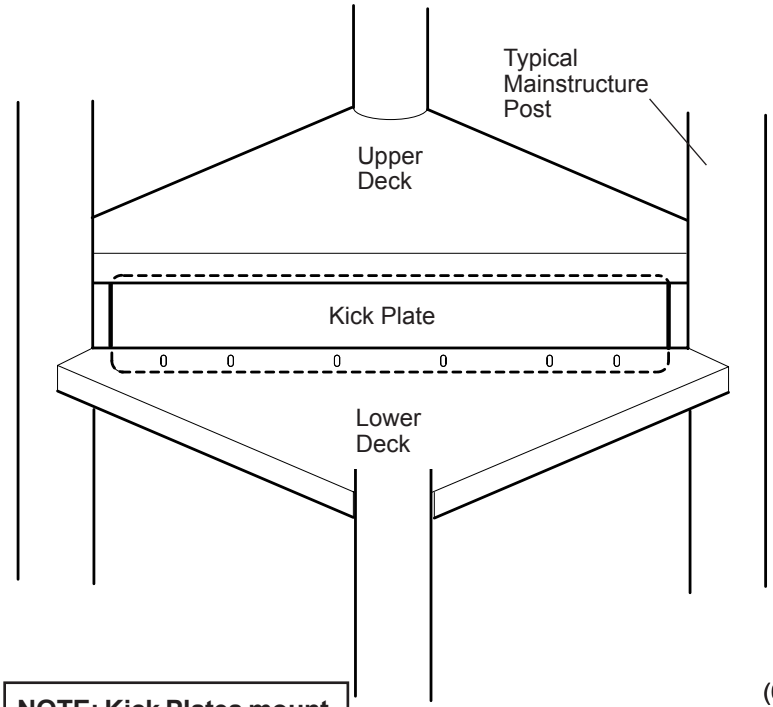


NOTE: Tri-Deck configuration may require the kick plate to be mounted to the upper deck.

DETAIL KICK PLATE ATTACHMENT (FOR 16" RISE)

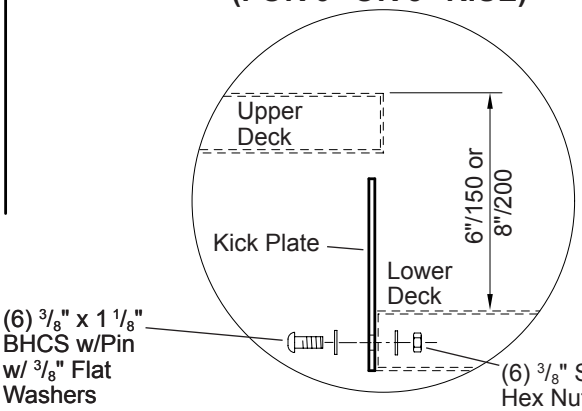


KICK PLATE (FOR 6" OR 8" RISE)



NOTE: Kick Plates mount to face of lower deck.

DETAIL KICK PLATE ATTACHMENT (FOR 6" OR 8" RISE)



PlayBooster® 121949 Kick Plates, 90° Tri-Decks, 6", 8" & 16"

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PlayBooster® 121949 Kick Plates, 90° Tri-Decks, 6", 8" & 16"

Parts List

Part#	Description	Qty.
121820	Kick Plate (For 6" or 8" Rise), Specify Color	1
121822	Kick Plate (For 16" Rise), Specify Color	1
156059	**Kick Plate Tenderdeck Hardware Package**	1
100198	$^3/_8$" x 1 $^1/_8$" BHCS w/Pin, SST	6
100327	$^3/_8$" Standard Hex Nut, SST	6
100362	$^3/_8$" Flat Washer, SST	12

Specifications

Kick Plate: Fabricated from 11 GA (.120") HR flat steel. Finish: TenderTuff™, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. $^1/_4$ man hour

Weight: Kick Plate (For 6" or 8" Rise) 13 lbs.
Kick Plate (For 16" Rise) 33 lbs.

Installation Instructions

1) Locate kick plates as labeled on your plan drawing.

2) Attach kick plate using $^3/_8$" x 1 $^1/_8$" BHCS w/pin with $^3/_8$" flat washers and $^3/_8$" standard hex nuts with $^3/_8$" flat washers, as shown. **NOTE:** *Kick plates mount to face of lower deck.*

3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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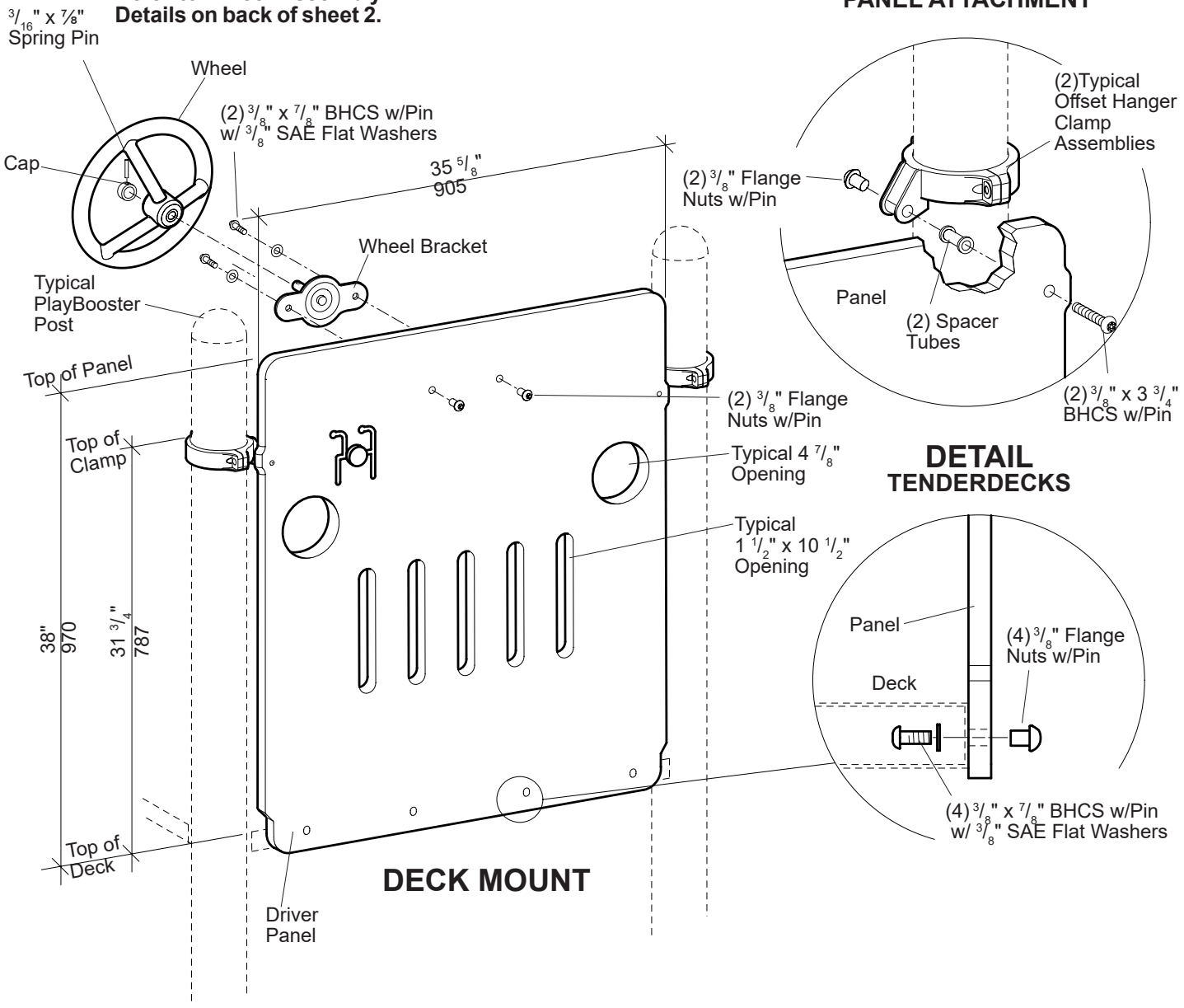
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

Refer to Wheel Assembly Details on back of sheet 2.



NOTE: Steering Wheel Infill Panel available. Refer to the Wheel Spec Sheet.

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115228 Driver Panel

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Document #24038800

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PlayBooster® 115228 Driver Panel

Parts List

Part#	Description	Qty.
	ABOVE DECK	
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
113468	Spacer Tube, Specify Color	2
140234	Driver Panel, Specify Color	1
108432	Wheel, Specify Color	1
127242	Steering Wheel Bracket, Black	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
240451	**Driver Panel Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100353	3/8" Flange Nut w/Pin, SST	2
237528	3/16" x 7/8" Spring Pin, SST	1
234353	Cap, White	1
100365	3/8" SAE Flat Washer, SST	2
124900	**Tenderdeck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	6
100365	3/8" SAE Flat Washer, SST	4
	BELOW DECK	
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
113468	Spacer Tube, Specify Color	2
113464	Angled Panel Bracket, Specify Color	1
140234	Driver Panel, Specify Color	1
108432	Wheel, Specify Color	1
127242	Steering Wheel Bracket, Specify Color	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
240451	**Driver Panel Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100353	3/8" Flange Nut w/Pin, SST	2
237528	3/16" x 7/8" Spring Pin, SST	1
234353	Cap, White	1
100365	3/8" SAE Flat Washer, SST	2
124947	**Below Deck Mounting Hardware Package**	1
124460	3/8" x 3 3/4" BHCS w/Pin, SST	2
100195	3/8" x 5/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	6

Specifications

Permalene® Panel: Two color panel measures 35 5/8" wide x 41" high, color specified.

Wheel: 12" diameter cast A356 aluminum alloy. Finish: TenderTuff™, color specified.

Angled Panel Brkt: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6005-T5 aluminum threaded tubes 1 1/8" O.D. x 1 1/2" long. Finish: ProShield®, color specified.

Wheel Bracket: Weldment comprised of formed 3/16" plate and 5/8" O.D. stainless steel shaft. Finish: ProShield, black in color.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Above Deck Approx. 3/4 man hour
Below Deck Approx. 1 man hour

Weight: Above Deck 42 lbs.
Below Deck 50 lbs.

Installation Instructions

ABOVE DECK (See Sheet 1 of 2)

1) Attach panel to the face of the deck using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. See Detail.
2) Attach offset hanger clamp assemblies to posts at height shown, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
3) Attach panel to offset hanger clamp assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Panel Attachment Detail.
4) Attach wheel as shown on sheet 1 and back of sheet 2.
5) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK (See Sheet 2 of 2)

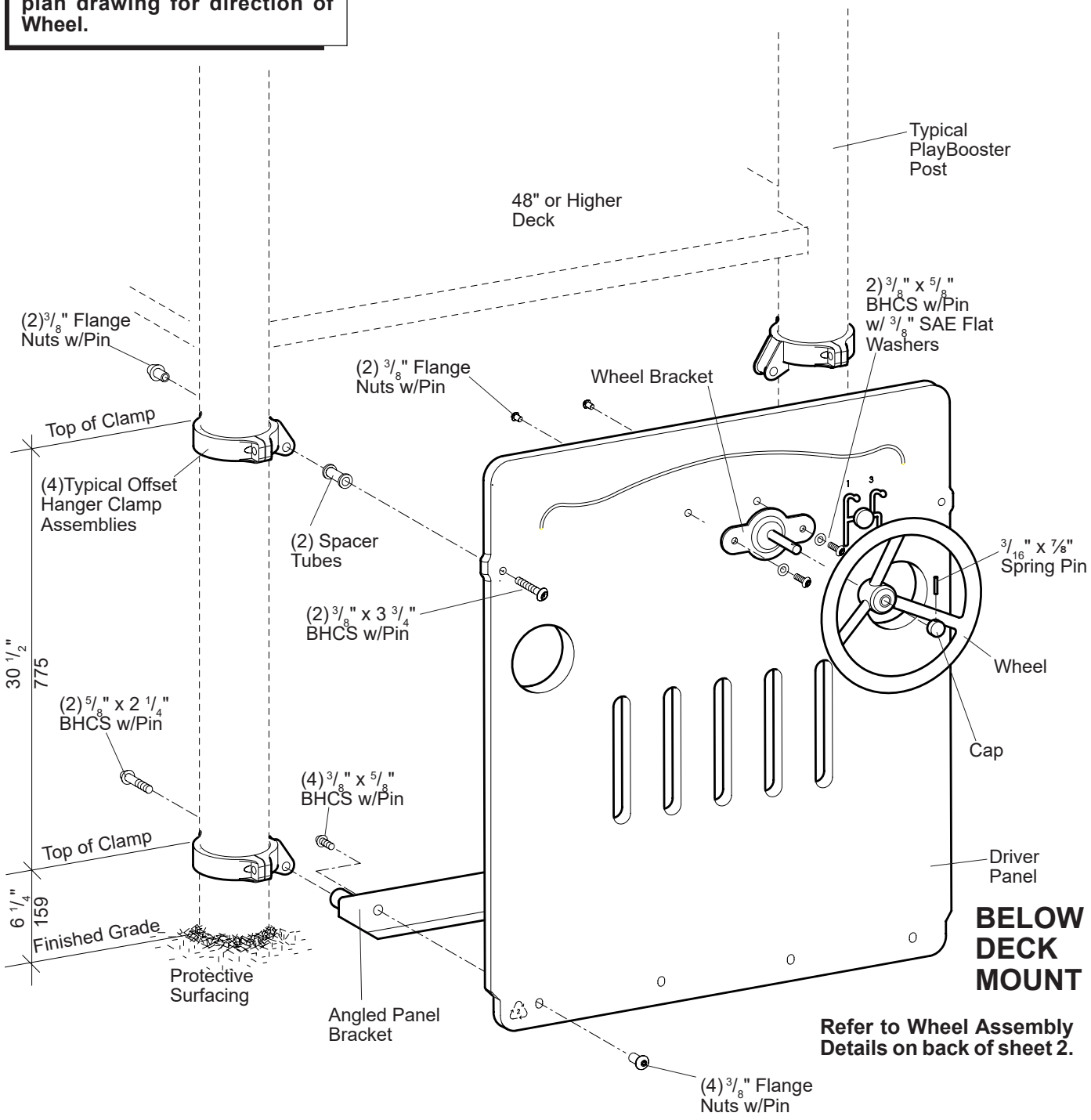
1) Attach offset hanger assemblies to posts at height shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
2) Attach angled panel bracket to bottom of panel, using 3/8" x 5/8" BHCS w/pin and 3/8" flange nuts w/pin. See Below Deck Mount.
3) Attach angled panel bracket with panel to offset hanger clamp assemblies, using 5/8" x 2 1/4" BHCS w/pin. See Below Deck Mount.
4) Attach top of panel to offset hanger clamp assemblies, using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Typical Attachment To Post Detail.
5) Attach wheel as shown on front and back of sheet 2.
6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0101223 Document #24038800 replaces #22325200. Replaced cap and spring pin.

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NOTE: Wheel can be installed facing outward. Refer to your plan drawing for direction of Wheel.



BELOW DECK MOUNT

Refer to Wheel Assembly Details on back of sheet 2.

PlayBooster® 115228 Driver Panel

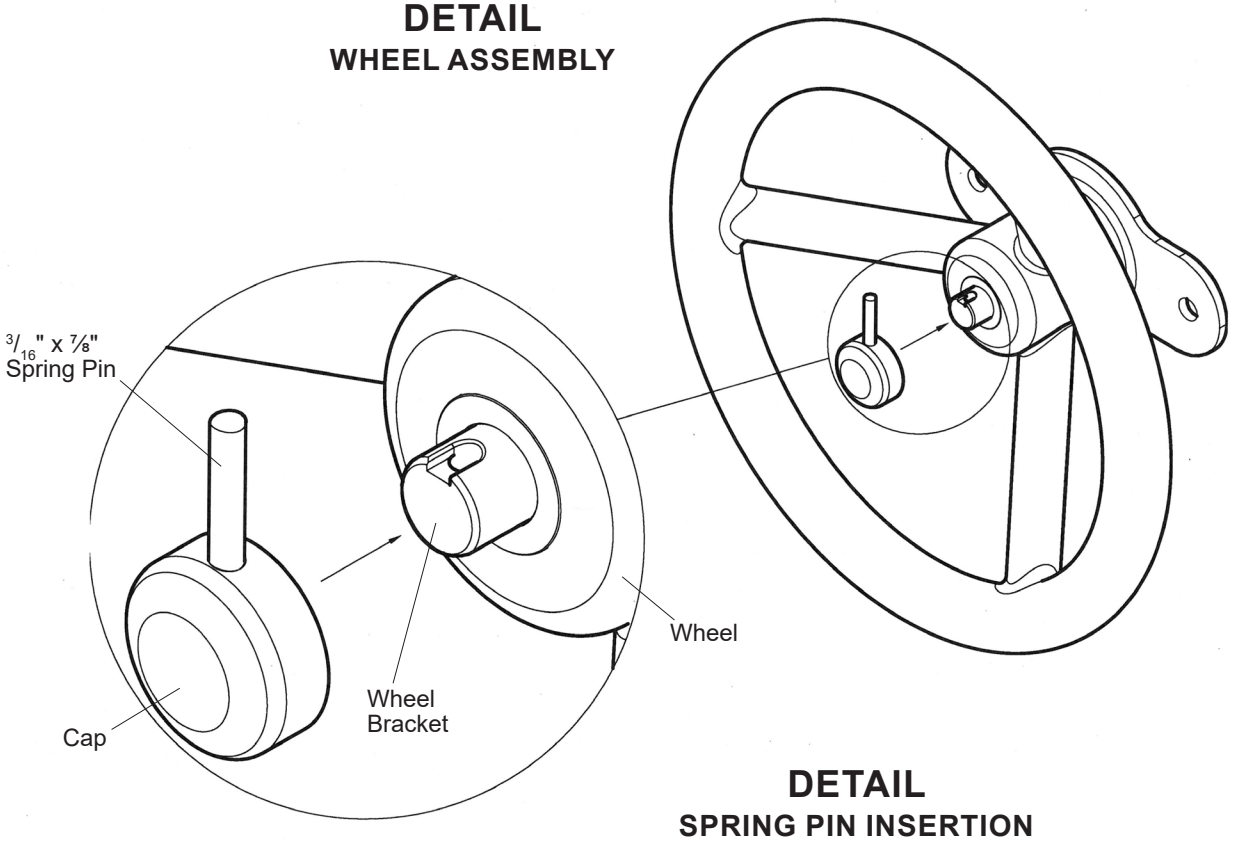
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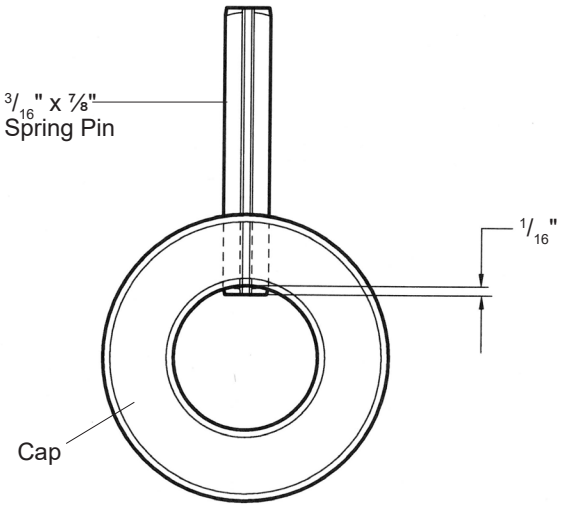
Document #24038800

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DETAIL
WHEEL ASSEMBLY



DETAIL
SPRING PIN INSERTION
(CAP BACK VIEW)



NOTE: To assist in the alignment of the cap to the wheel bracket shaft, tap spring pin through cap approximately 1/16". Orient spring pin to groove on wheel bracket shaft. Slide cap in place and tap spring pin though cap and shaft until flush.

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115228 Driver Panel

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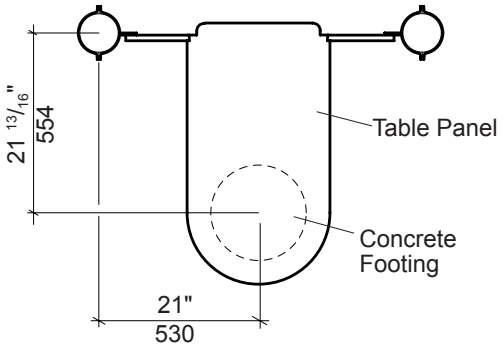
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SAFETY NOTE

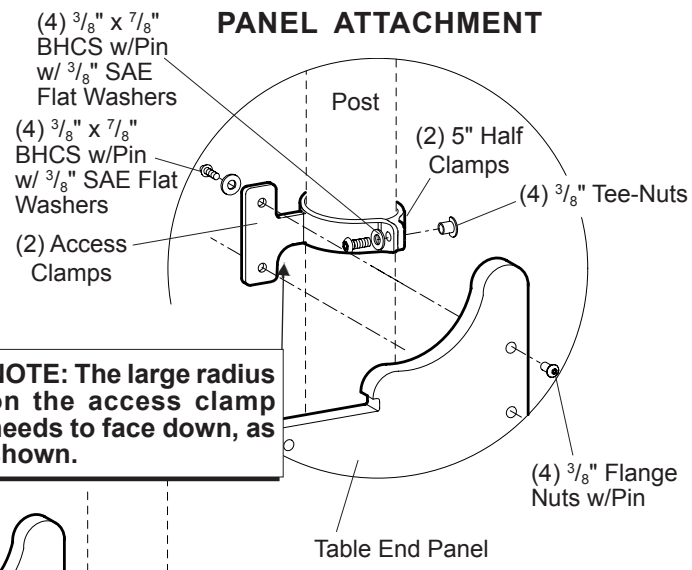
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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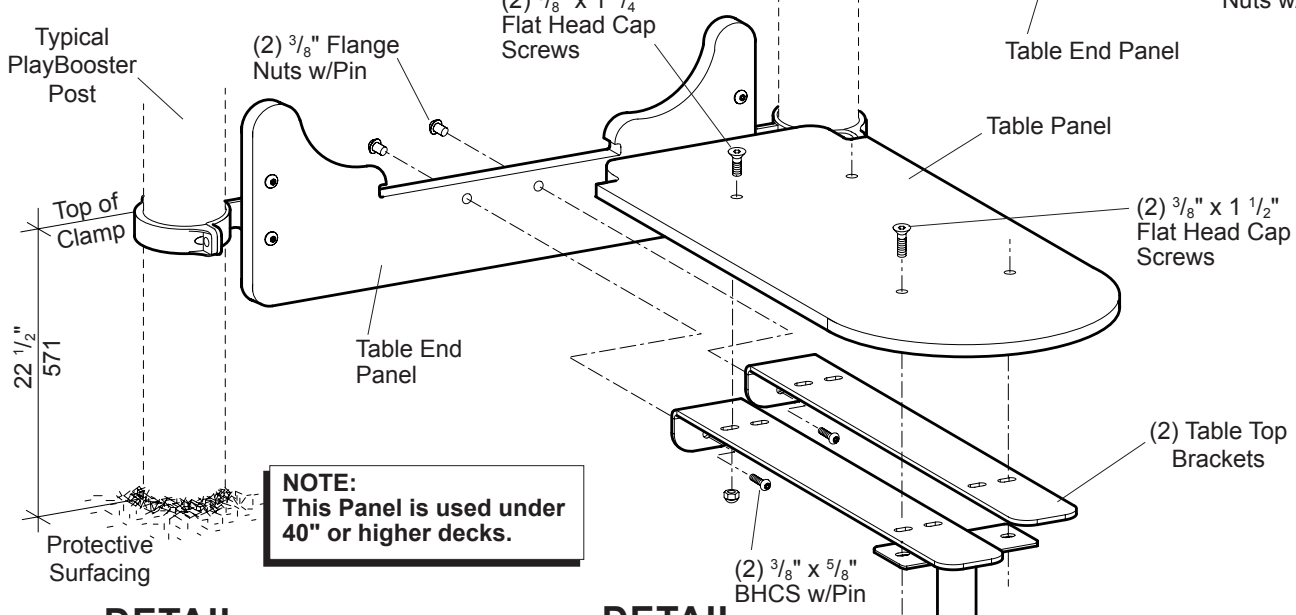
PLAN VIEW/ FOOTING LAYOUT



DETAIL
PANEL ATTACHMENT

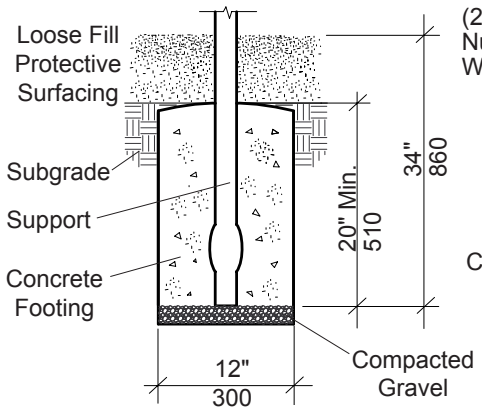


NOTE: The large radius on the access clamp needs to face down, as shown.

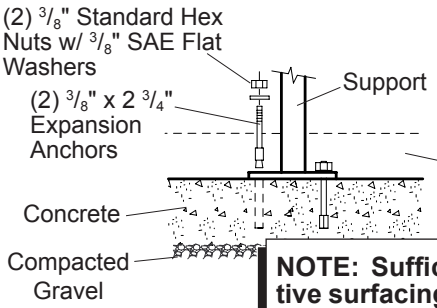


NOTE: This Panel is used under 40" or higher decks.

DETAIL
DIRECT BURY FOOTING



DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

PlayBooster® 130565 Table Panel

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PlayBooster® 130565 Table Panel

Parts List

Part#	Description	Qty.
129870	Table End Panel, Specify Color	1
130370	Table Panel, Specify Color	1
165143	Table Top Bracket, Specify Color	2
105327	5" Half Clamp, Specify Color	2
188387	Access Clamp, Specify Color	2
103116	Support Leg (DB), Specify Color	1
103119	Support Leg (SM), Specify Color	1
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
152778	**Table Top Hardware Package**	1
100195	3/8" x 5/8" BHCS w/Pin, SST	2
100252	3/8" x 1 1/4" Flat Head Cap Screw, SST	2
100349	3/8" Low Crown Cap Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	2
151421	3/8" x 1 1/2" Flat Head Cap Screw, SST	2
213029	**Panel Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	8
100351	3/8" Tee Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	8
121256	**2 Hole (SM) Hardware Package**	1
100263	3/8" x 2 3/4" Expansion Anchor	2
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washer, SST	2

DB=Direct Bury
SM=Surface Mount

Specifications

Table End Panel: Solid color Permalene® panel measures 34" wide x 13 3/8" high, color specified.

Table Panel: Solid color Permalene panel measures 19 1/2" wide x 34 3/4" long, color specified.

Table Top Bracket: Fabricated from 1/4" x 3 1/2" x 28 9/16" HRPO flat steel. Finish: ProShield®, color matched to posts.

Access Clamp: Weldment comprised of 3/8" HRPO steel plate and 1/4" x 1 3/4" wide steel clamp. Finish: ProShield, color specified.

Support Leg: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 2 1/2" x 9" flat plate. Finish: ProShield, color specified.

Half Clamp: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **DB** - 1 1/4 Approx. man hours
SM - 3/4 Approx. man hours

Concrete Req.: Approx. 1.5 cu. ft.

Weight: 59 lbs.

Installation Instructions

1) **(Direct Bury)** Dig footing as shown.

2) Attach the access clamps to posts at the height shown, using 5" half clamps, 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" tee nuts. **NOTE:** *The large radius on the access clamp needs to face down, as show.*

3) Attach table end panel to access clamps, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. Refer to the Panel Attachment Detail.

4) Attach table top brackets and support leg to underside of table top panel, using 3/8" x 1 1/4" flat head cap screws through panel and table top brackets, and 3/8" x 1 1/2" flat head cap screws through panel, table top brackets and support leg. Secure with 3/8" low crown cap nuts.

5) Attach the table top assembly to table end panel, using 3/8" x 5/8" BHCS w/pin through table top brackets and 3/8" flange nuts w/pin through panel.

6) **(Direct Bury)** With the table level and support leg plumb, pour concrete footing. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) Using 3/8" masonry bit, drill 3" deep holes into concrete slab through holes in base plate of support leg. Insert and tap 3/8" x 2 3/4" expansion anchors into holes and secure with 3/8" standard hex nuts and 3/8" SAE flat washers.

7) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0100447 Document #21304000 replaces #18990100. Replaced hardware package.

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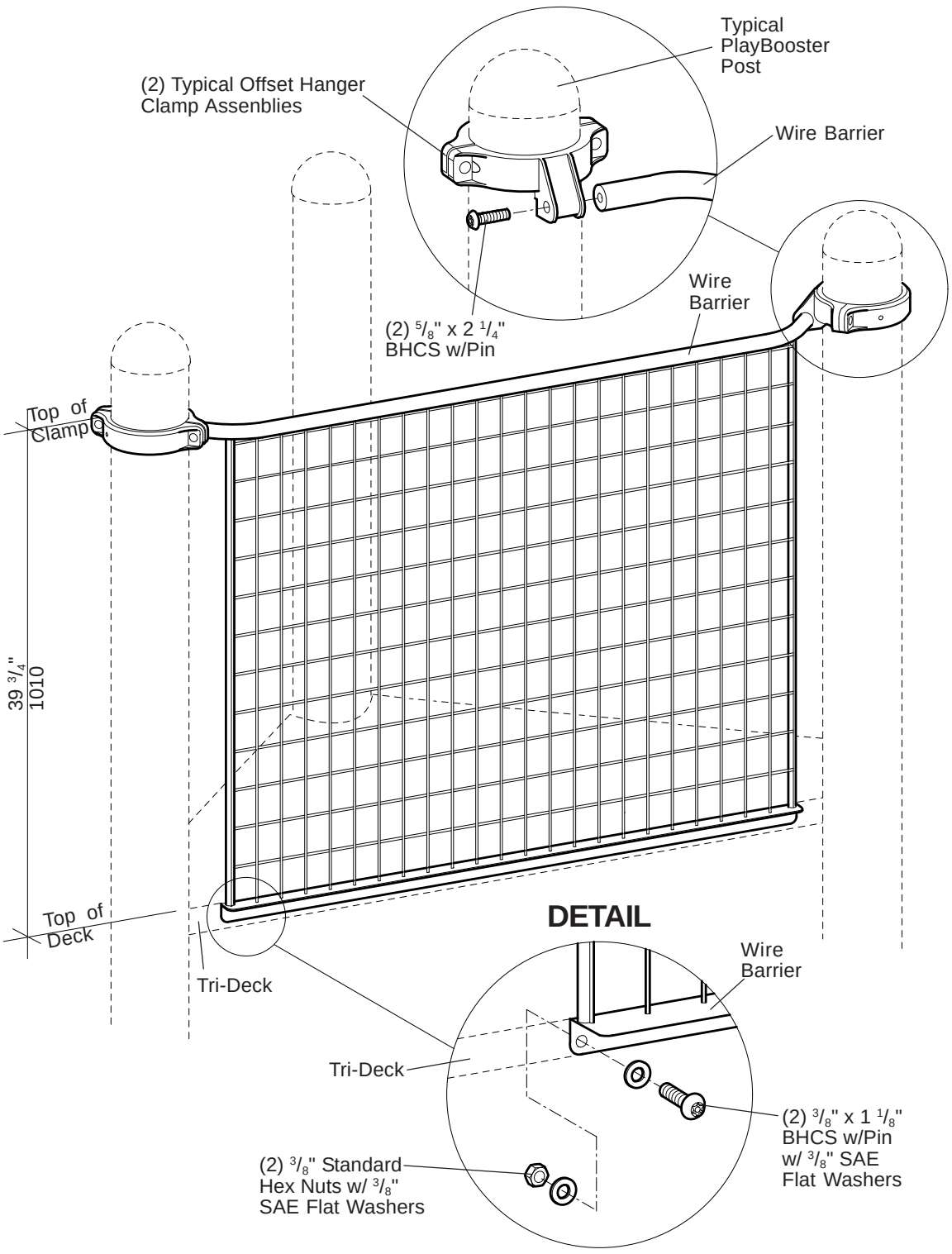
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

6-6-01
13517500

DETAIL

WIRE BARRIER TO OFFSET HANGER CLAMP



PlayBooster®

120315 Wire Barrier, 90º Tri-Decks

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 120315 Wire Barrier, Tri-Decks

Parts List

Part#	Description	Qty.
132761	Wire Barrier, Specify Color	1
105327	5" Half Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
132743	**Tenderdeck Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	2
100327	3/8" Standard Hex Nut, SST	2
100365	3/8" SAE Flat Washer, SST	4
124342	**Rail Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	4

Specifications

Barrier: Weldment comprised of 5/8" solid steel vertical rails, 1 1/8" O.D. steel horizontal rails with 203 or 303 stainless steel welded inserts with 5/8" internal threads, 1 1/2" x 1 1/2" x 29 1/2" angle iron and 1/4" diameter wire. Barrier has approximately 1 5/8" x 2 9/16" openings and measures 53 9/16" wide x 39 13/16" high. Finish: TenderTuff™, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/4 man hours

Weight: 43 lbs.

Installation Instructions

1) Attach the wire barrier to the face of the deck using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Tenderdeck Detail.

2) Attach the offset hanger clamp assemblies to the posts using 5" half clamps, 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

3) Attach the wire barrier to the offset hanger clamps using 5/8" x 2 1/4" BHCS w/pin. Refer to the Wire Barrier To Offset Hanger Clamp Detail.

4) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

5) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

6-6-01 Document #13517500 Replaces #12595500. Removed 2 mounting holes from wire barrier and also changed wire diameter for wire barrier to 1/4".

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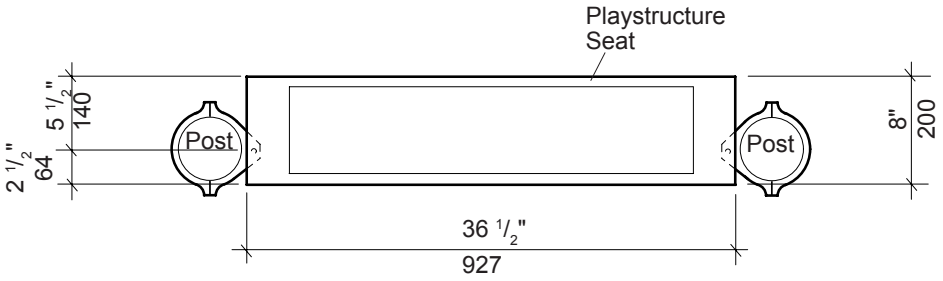
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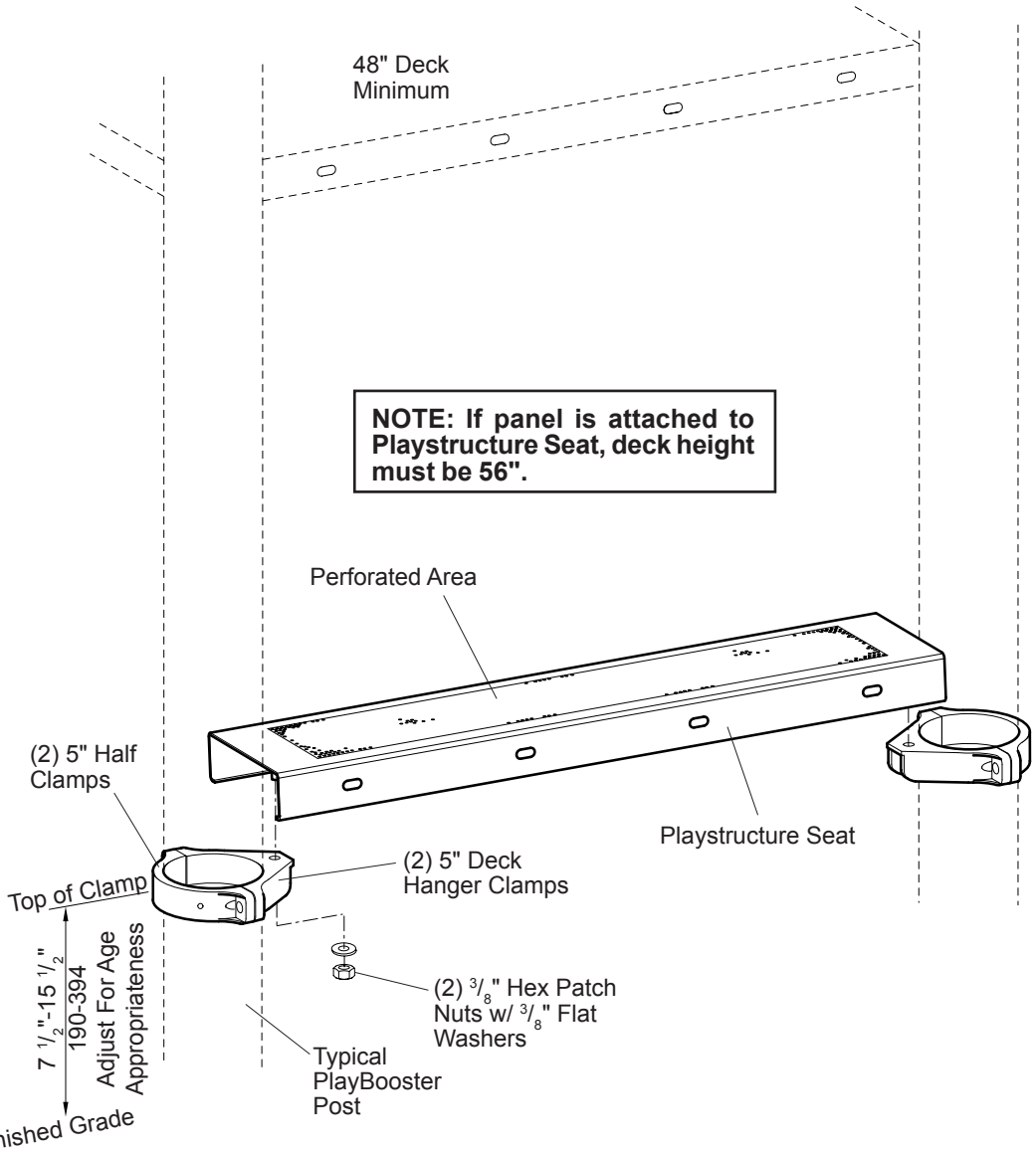
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

12498000

Top View





PlayBooster®

120818 Playstructure Seat

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 120818 Playstructure Seat

Parts List

Part#	Description	Qty.
153952	Playstructure Seat, Specify Color	1
105327	5" Half Clamp, Specify Color	2
106022	5" Deck Hanger Clamp, Specify Color	2
106676	**Seat Hardware Package**	1
100198	$^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin, SST	4
100321	$^{3}/_{8}$" Hex Patch Nut, SST	2
100351	$^{3}/_{8}$" Tee Nut, SST	4
100362	$^{3}/_{8}$" Flat Washer, SST	2
100610	$^{1}/_{4}$" x $^{5}/_{8}$" Drive Rivet, AL/SST	2

Specifications

Seat: Flange formed from 11 GA (.120") sheet steel. Seating surface is perforated with $^{5}/_{16}$" diameter holes. Finish: TenderTuff™, color specified.

Deck Hanger Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour

Weight: 26 lbs.

Installation Instructions

1) Playstructure seat attaches offset to posts. Refer to your site layout for where and which direction the playstructure seat needs to be installed. **NOTE:** *If panel is attached to Playstructure Seat, deck height must be 56".*

2) Mark posts for the appropriate height of the playstructure seat you are installing. **NOTE:** *Height is adjustable 8"-16".*

3) Fasten 5"deck hanger clamps to the marked position on posts using 5" half clamps and $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/pin with $^{3}/_{8}$" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

4) Position seat over 5" deck hanger clamps and attach using $^{3}/_{8}$" hex patch nuts with $^{3}/_{8}$" flat washers, as shown.

5) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #54117 Document #17398100 replaces #15395600. Changed seat from brown to color specified.

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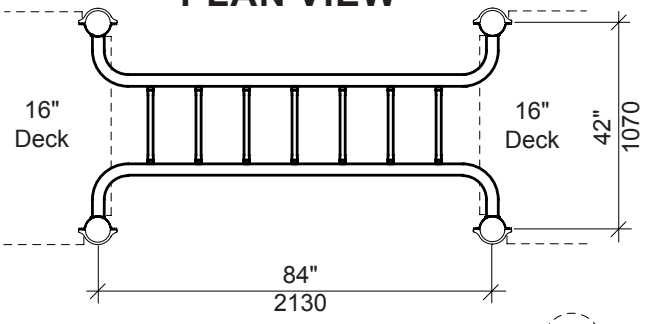
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SAFETY NOTE

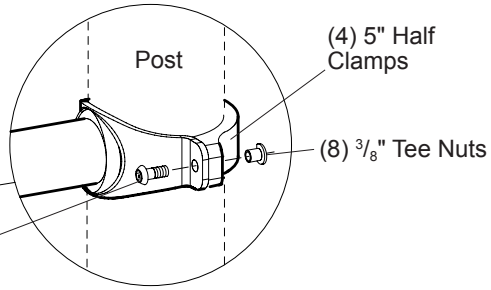
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

21244300

PLAN VIEW



DETAIL
HORIZONTAL LADDER ATTACHMENT



PlayBooster® 139782 Horizontal Ladder, 84", 16" Deck

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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PlayBooster® 139782 Horizontal Ladder, 84", 16" Deck

Parts List

Part#	Description	Qty.
145709	Horizontal Ladder, Specify Color	1
105327	5" Half Clamp, Specify Color	4
166815	Play Safe Label, 4 To 5 Years Old	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
149233	**Horizontal Ladder, Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	8
100351	3/8" Tee Nut, SST	8

Specifications

Horizontal Ladder: Weldment comprised of 2.375" O.D. RS-40 (.130"-.140") galvanized steel tubing, 1.029 O.D. RS-20 (.070"-.080") galvanized steel tubing and 1/4" HRPO flat steel. Finish: ProShield, color specified.

Clamp: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour
Area Req: 6' (1,82 m) minimum use zone
Weight: 71 lbs.
Max. Fall Height: 60" (1,52 m) 4-5 Year Olds

Installation Instructions

1) Mark posts for the appropriate height of the horizontal ladder. Adjust height for age appropriateness.
2) Lift horizontal ladder into position and attach to posts using 5" half clamps with 3/8" x 7/8" BHCS w/pin and 3/8" tee nuts.
3) Be sure horizontal ladder is level, if not, adjust clamps to do so.
4) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
5) Apply labels, as shown.
6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0100423 Document #21244300 replaces #16681400. Moved position of Play Safe Labels.

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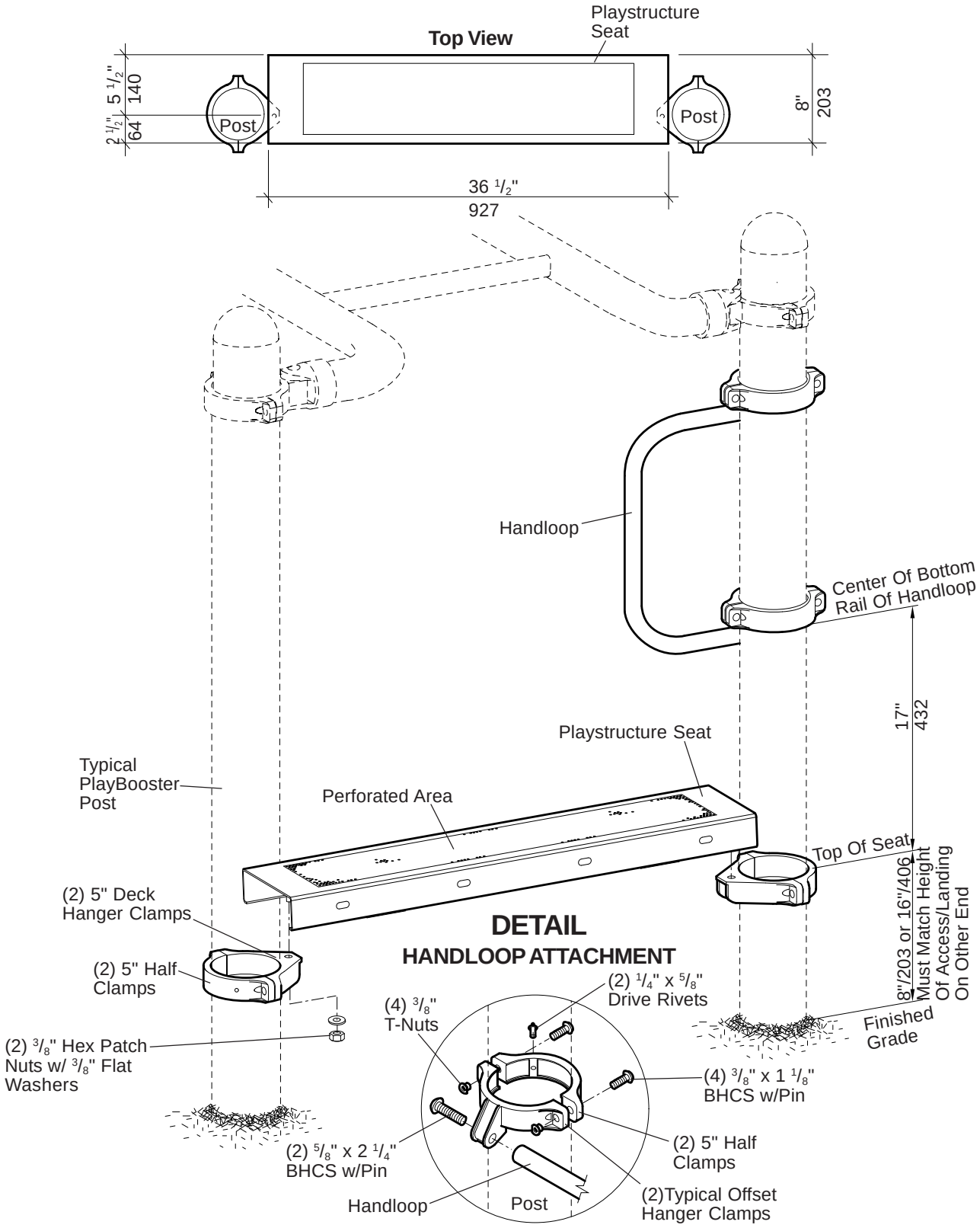
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

14188200



PlayBooster® 141887 Access/Landing Seat, Horizontal Ladders

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Document #15395700

PlayBooster® 141887 Access/Landing Seat,

Horizontal Ladders

Parts List

Part#	Description	Qty.
153952	Playstructure Seat, Specify Color	1
105327	5" Half Clamp, Specify Color	4
106022	5" Deck Hanger Clamp, Specify Color	2
113729	Offset Hanger Clamp, Specify Color	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
108542	Handloop, Specify Color	1
124342	**Handloop/Rail Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	4
141940	**Seat Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100321	3/8" Hex Patch Nut, SST	2
100351	3/8" Tee Nut, SST	4
100362	3/8" Flat Washer, SST	2

Specifications

Seat: Flange formed from 11 GA (.120") sheet steel. Seating surface is perforated with 5/16" diameter holes. Finish: TenderTuff™, color specified.

Handloop: Fabricated from 1 1/8" O.D. steel tubing with 303 stainless steel welded 5/8" threaded inserts in each end. Finish: Coated with TenderTuff, color specified.

Clamp Assembly: Cast aluminum. Finish: ProShield®, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 1/2 man hour
Weight: 36 lbs.

Installation Instructions

1) Playstructure seat attaches offset to posts. Refer to your site layout for where and which direction the playstructure seat needs to be installed.

2) Mark posts for the appropriate height of the playstructure and seat and handloop you are installing. **NOTE:** *Height for seat is adjustable 8"-16".*

3) Fasten 5"deck hanger clamps to the marked position on posts using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

4) Position seat over 5" deck hanger clamps and attach using 3/8" hex patch nuts with 3/8" flat washers, as shown.

5) Attach offset clamps to ends of rails/handloops using 5/8" x 2 1/4" BHCS w/pin.

6) Position handloop on marked position on posts and attach using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.

7) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO #52819 Document 15395700 replaces 14188200. Replaced seat.

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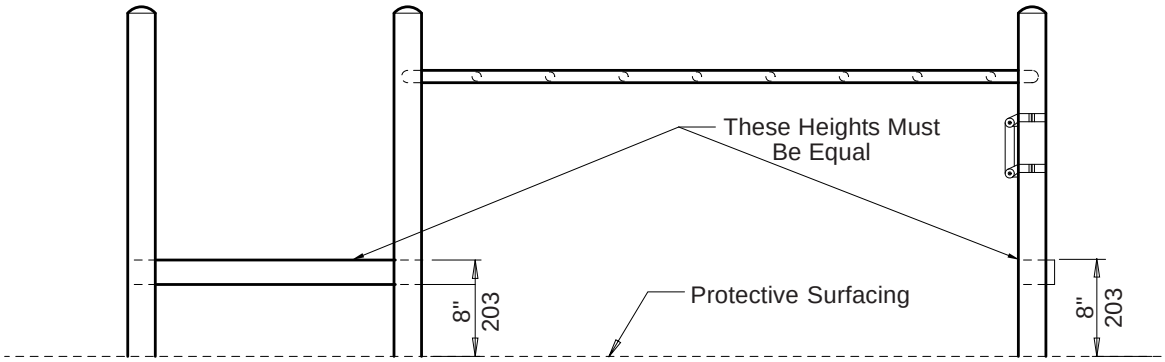
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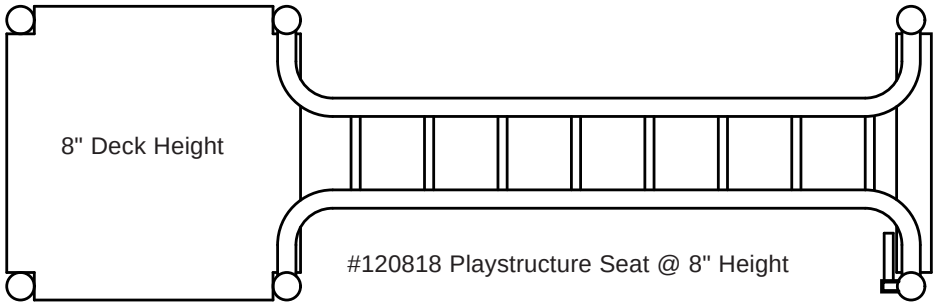
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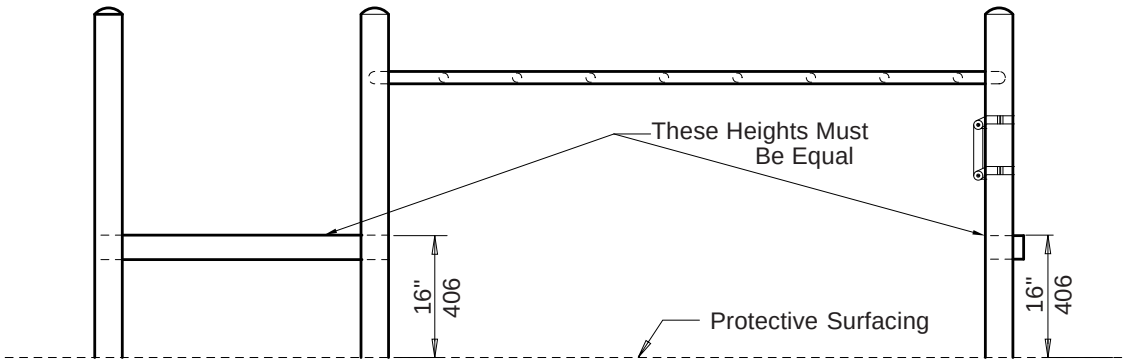
SAFETY NOTE

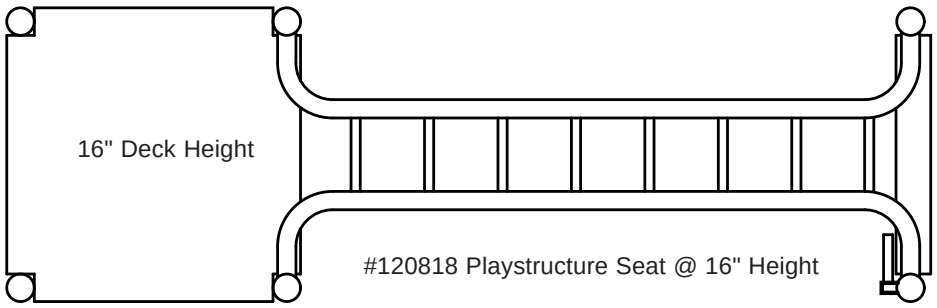
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

141882a0









PlayBooster® 141887 Access/Landing Seat, Horizontal Ladders

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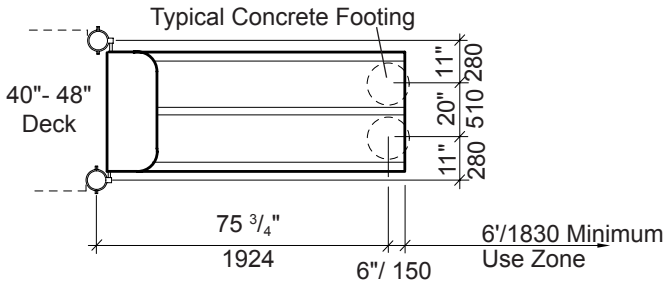
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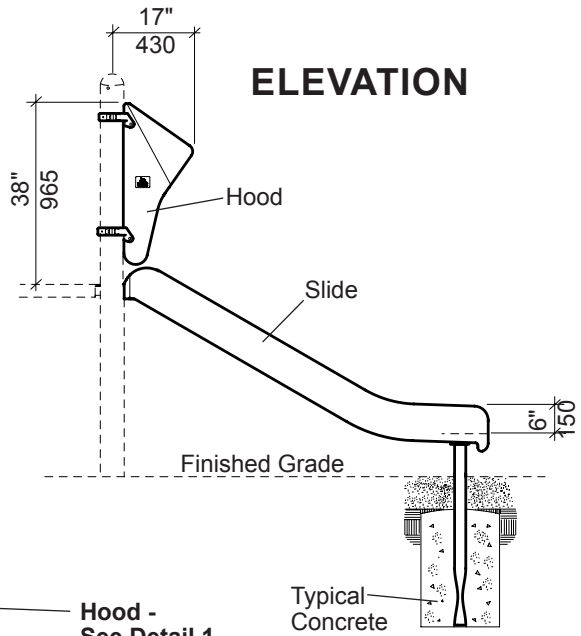
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

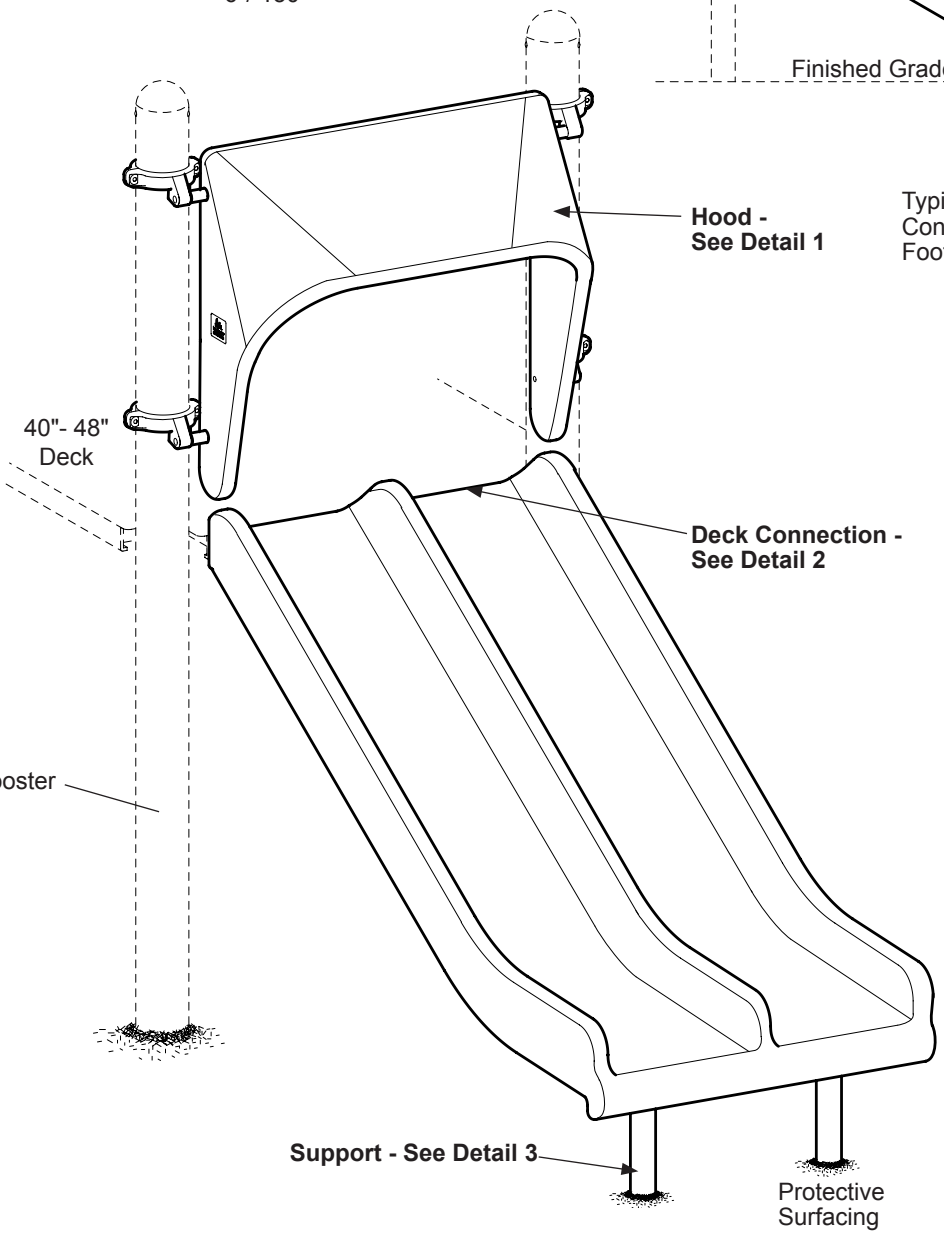
13320800

PLAN VIEW/FOOTING LAYOUT



ELEVATION





PlayBooster® 123331 Double Slide, 40"-48"

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #24808000

PlayBooster® 123331 Double Slide, 40"-48"

Parts List

Part#	Description	Qty.
127447	40"- 48" Double Slide , Specify Color	1
150941	Support, (DB), Specify Color	2
150996	Support, 40" Deck (SM), Specify Color	2
151003	Support, 48" Deck (SM), Specify Color	2
100583	40 7/16" Long Aluminum Rail, Specify Color	1
113468	Spacer Tube, Specify Color	2
105327	Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
131987	Hood, Specify Color	1
132443	Rail Spacer, Specify Color	2
111508	**Slide Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100362	3/8" Flat Washer, SST	8
100365	3/8" SAE Flat Washer, SST	4
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST	4
111442	Rubber Bushing	4
106577	**Hood Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100200	3/8" x 3 1/2" BHCS w/Pin, SST	2
100203	5/8" x 2 1/4" BHCS w/Pin, SST	2
100351	3/8" Tee Nut, SST	8
100362	3/8" Flat Washer, SST	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
121348	**4-Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchor	4
100322	1/2" Standard Hex Nut, SST	4
100363	1/2" Flat Washer, SST	4

DB = Direct Bury
SM = Surface Mount

Specifications

Slide: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Support: Weldment comprised of 2.375" O.D. RS20 (.095" - .105") galvanized steel tubing and 1/4" x 3" mounting plate. Finish: ProShield, color specified.

Hood: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Rail: Extruded from 1.125" O.D. x .312" W. 6061-T6 aluminum. Finish: ProShield, color specified.

Rail Spacer: Fabricated from 1.3125 O.D. x 16 Ga. (.065) steel tubing. Finish: ProShield, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2.5 man hours
Concrete Req.: Approx. 2.4 cu. ft.
Area Req.: 6' (1,82 m) minimum use zone at exit
Weight: 136 lbs.
Fall Height: 40" Deck (1,02 m)
48" Deck (1,22 m)

Installation Instructions

1) **(Direct Bury)** Dig footings spaced as shown.

2) Insert 40 7/16" rail through top of hood, place rail spacer tube on each end of the 40 7/16" rail and attach to posts at height shown using offset hanger clamp assemblies. Refer to the Typical Offset Hanger Clamp Spec Sheet. Fasten bottom of hood to clamps using 3/8" x 3 1/2" BHCS w/pin, 3/8" flat washers and spacer tubes. Refer to Detail 1.

3) Attach supports to base of slide using 3/8" x 1 1/4" BHCS w/Pin limited thread bolts, 3/8" SAE flat washers, rubber bushings and 3/8" flat washers. Refer to Detail 3. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not over-tighten!*

4) Attach slide to the face of the deck using 3/8" x 7/8" BHCS w/Pin with 3/8" flat washers. Refer To Deck Connection Detail 2.

5) Install 1/4" x 5/8" drive rivets in all 5" half clamps, refer to the Typical Offset Hanger Clamp Spec Sheet.

6) **(Direct Bury)** With supports plumb pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play on the structure.

(Surface Mount) Mark anchor bolt locations on concrete slab through holes in anchor plate and remove slide. Drill 1/2" x 3" deep holes on marks into concrete using a hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Reposition slide and reattach to the face of the deck following step 4. Fasten anchor plates to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

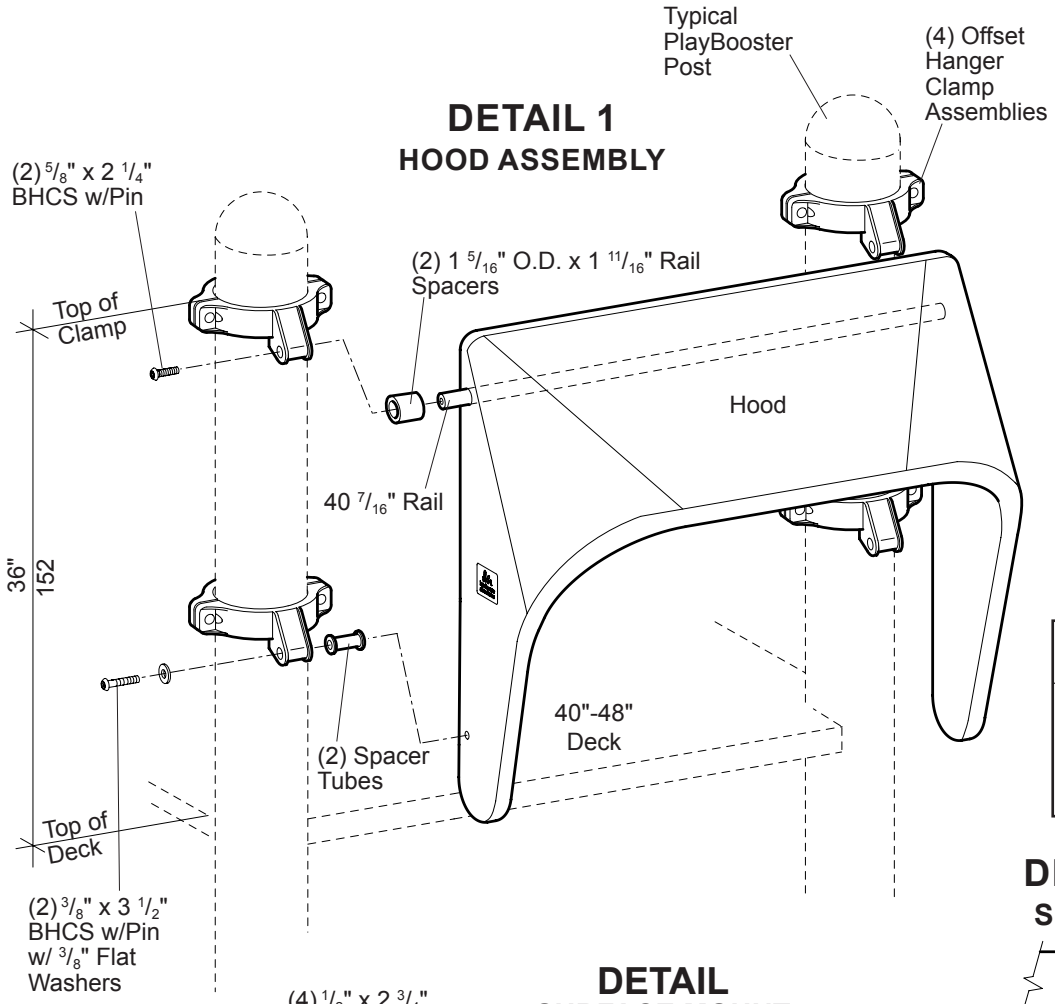
Eco #0101379 Document #24808000 replaces #16108100. Lower location of slide hood.

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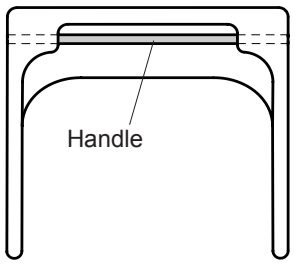
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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DETAIL 1
HOOD ASSEMBLY

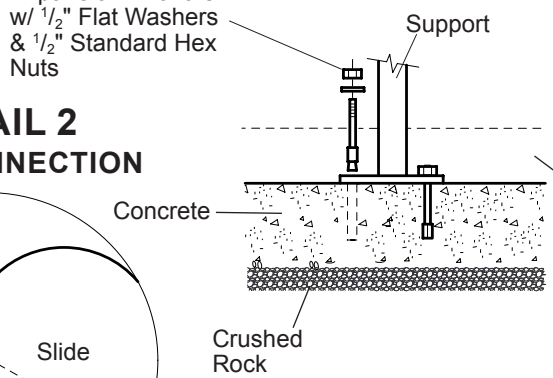


HOOD - HANDLE DETAIL

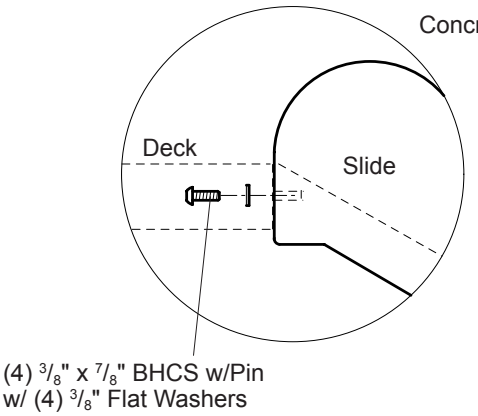


KEY: Deck Hgt.	Dimension
40"	**A** = 6"/ 150
48"	**A** = 11"/ 280
40"	**B** = 36"/ 910
48"	**B** = 31"/ 790

DETAIL
SURFACE MOUNT

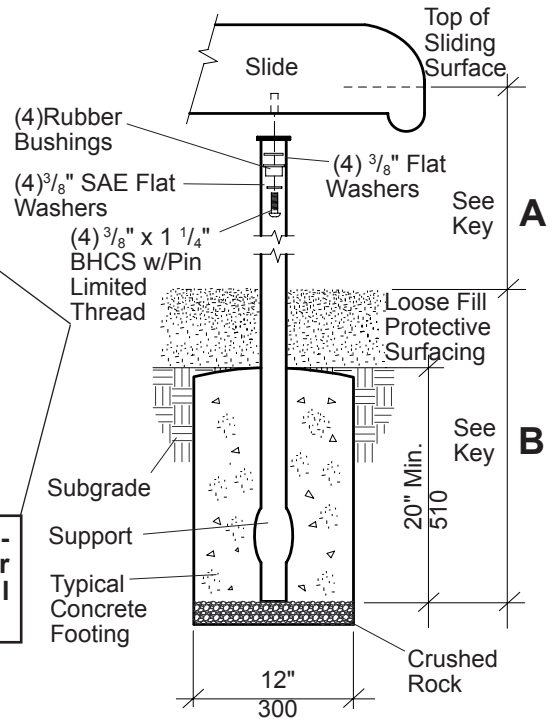


DETAIL 2
DECK CONNECTION



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

DETAIL 3
SUPPORT



PlayBooster® 123331 Double Slide, 40"- 48"

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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

18513600

BEFORE YOU BEGIN...

If this SpyroSlide is to be installed on any playstructure other than the 56" high bracket on a PlayBooster, contact Landscape Structures before you begin.

With three people, approximate installation time is 2 3/4 hours.

Check that all parts are included in the package (see listing on back page) and have not been damaged in shipment.

If you notice any damage, do not begin assembly. Notify the carrier claims agent and Landscape Structures.

Read the entire instruction sheet before you begin.

IMPORTANT PRECAUTIONS!

At least three people are required to safely install the SpyroSlide. Do not attempt it by yourself!

Do not allow the slide to be used until:

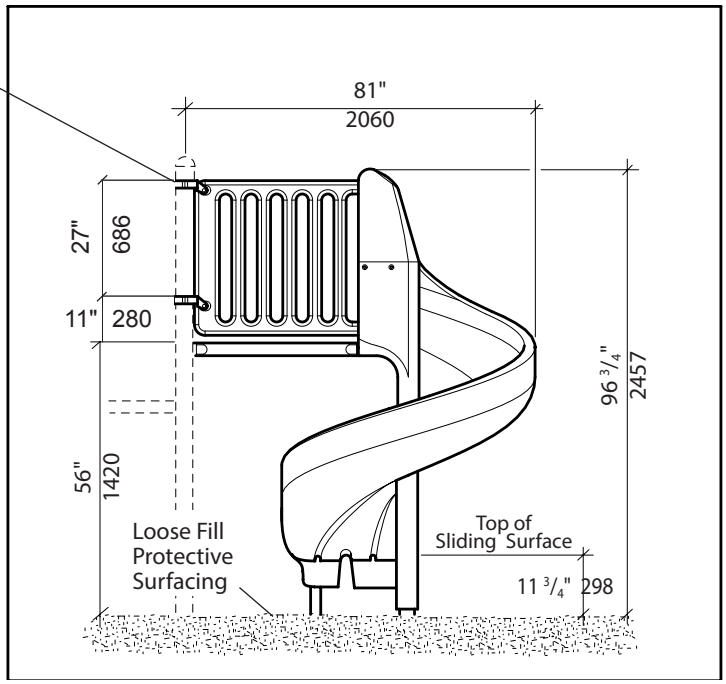
- Concrete footings have cured at least 3 days.
- Protective surfacing is installed around slide.

TOOLS REQUIRED

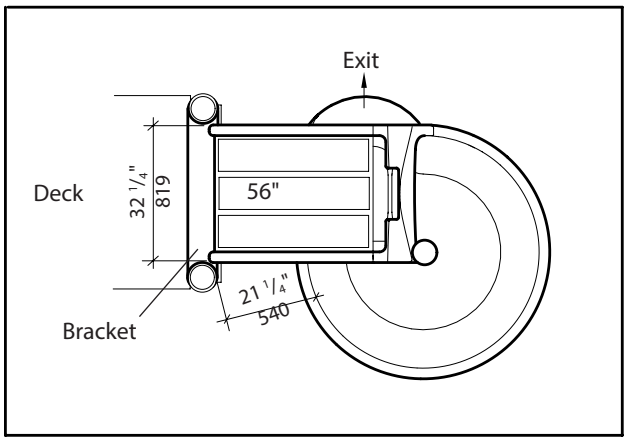
- BHCS Allen Wrenches (Supplied)
- 16 oz. Hammer
- 1/2" Electric Drill
- 1/4" or "F" Drill Bit
- 9/16" Wrench or Cresent Wrench
- Carpenters Level
- Tape Measure
- Suitable equipment to dig footing holes and pour concrete footings.

NOTE: If there is clamp interference, offset hanger clamp assemblies may need to be raised.

ELEVATION



PLAN VIEW



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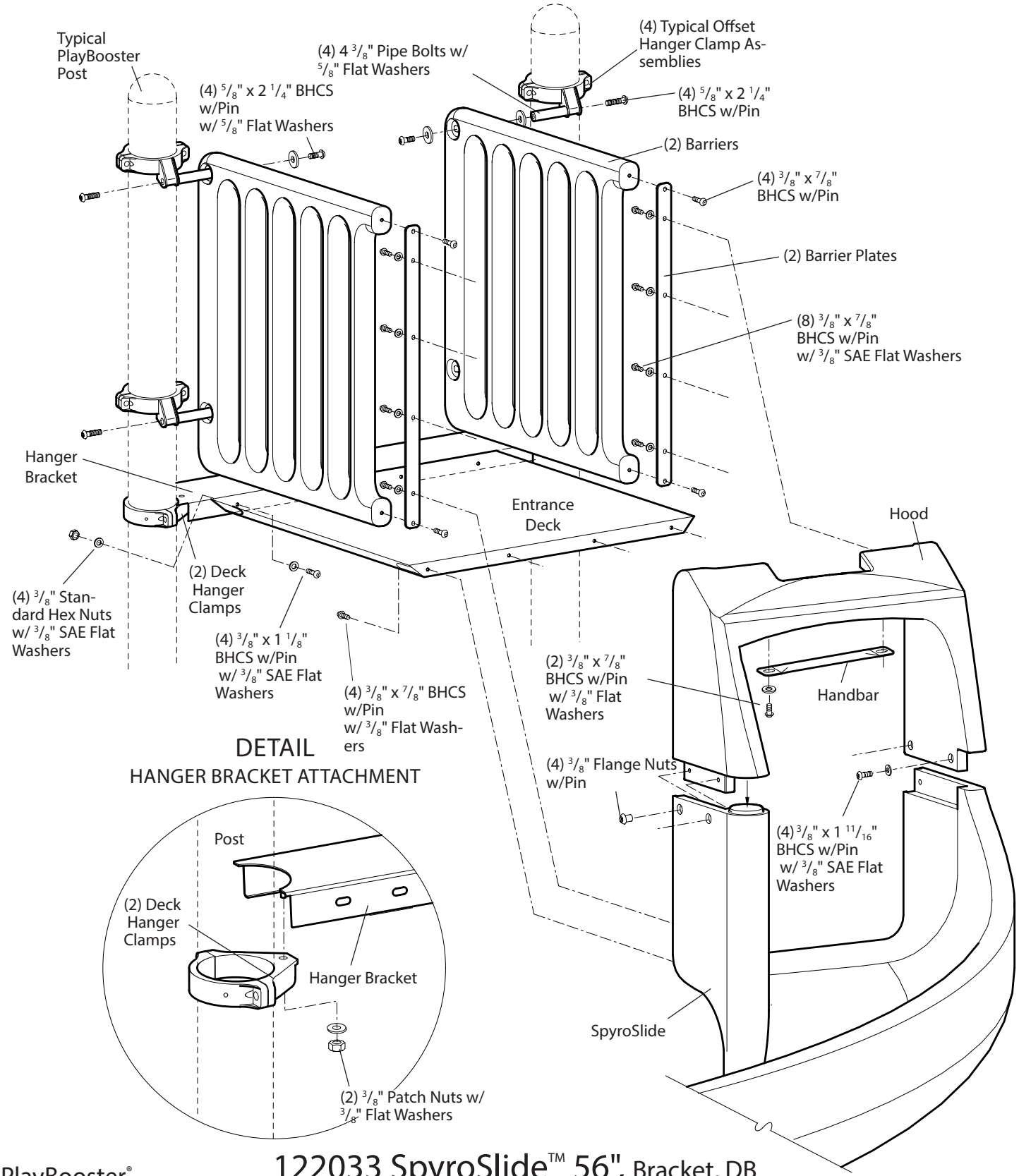
122033 SpyroSlide™ 56", Bracket, DB

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BARRIER/DECK/SLIDE ASSEMBLY



DETAIL
HANGER BRACKET ATTACHMENT

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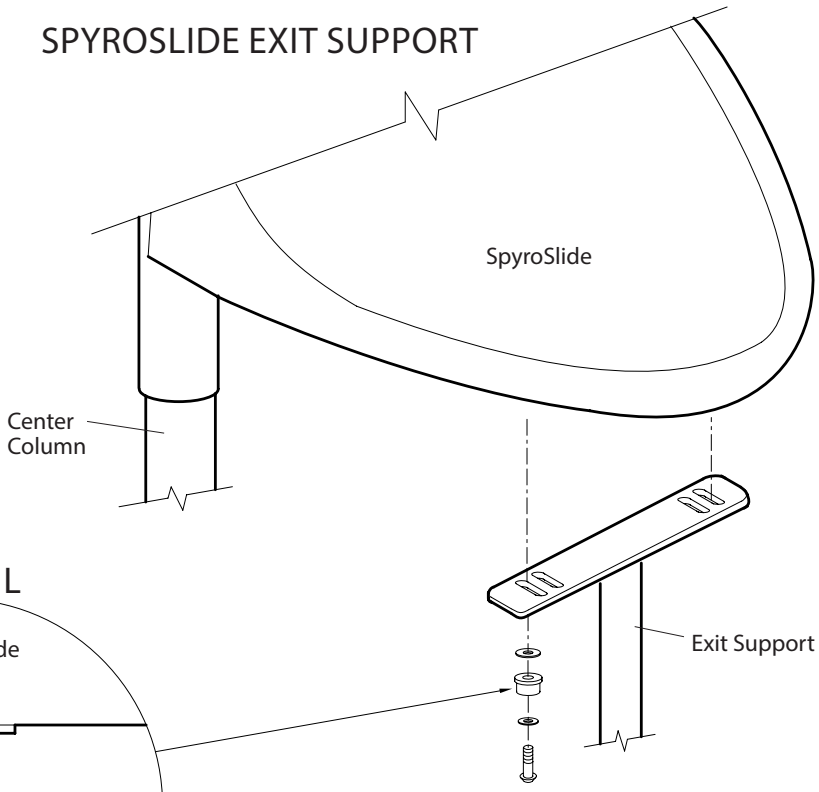
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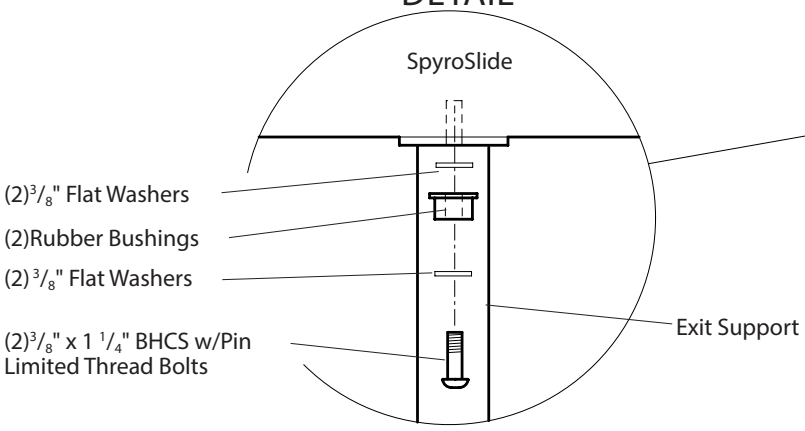
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

151047c0

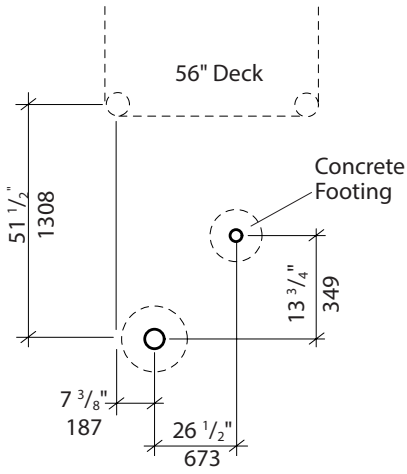
SPYROSLIDE EXIT SUPPORT



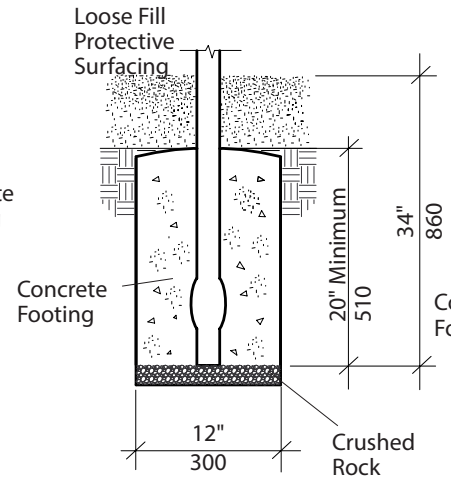
DETAIL



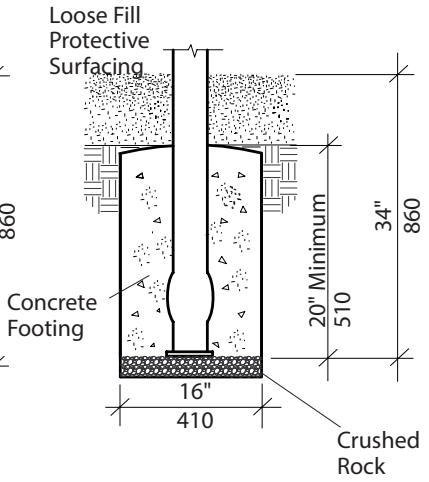
DETAIL
FOOTING LAYOUT



DETAIL
SLIDE EXIT FOOTING



DETAIL
CENTER COLUMN FOOTING



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122033 SpyroSlide™ 56", Bracket, DB

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Document #18513600

PlayBooster® 122033 SpyroSlide™ 56", Bracket, DB

Parts List

Part#	Description	Qty.
130099	SpyroSlide, Specify Color	1
130686	Barrier, Specify Color	2
130687	Hood, Specify Color	1
119499	Handbar, Brown	1
119501	Barrier Plate, Specify Color	2
121825	Entrance Deck, Specify Color	1
184259	Hanger Bracket, Specify Color	1
130224	56" Center Column (DB), Specify Color	1
150941	Exit Support (DB), Specify Color	1
136551	4 3/8" Aluminum Pipe Bolt, Specify Color	4
105327	5" Half Clamp, Specify Color	6
113729	Offset Hanger Clamp, Specify Color	4
106022	Deck Hanger Clamp, Specify Color	2
106580	**Hanger Bracket Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100321	3/8" Hex Patch Nut, SST	2
100351	3/8" Tee Nut, SST	4
100362	3/8" Flat Washer, SST	2
100610	1/4" x 5/8" Drive Rivet, AL/SST	2
114309	**Rail Hardware Package**	2
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100203	5/8" x 2 1/4" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	8
100610	1/4" x 5/8" Drive Rivet, AL/SST	4
121245	**SpyroSlide Hardware Package**	1
123224	3/8" x 1 11/16" BHCS w/Pin, SST	4
100196	3/8" x 7/8" BHCS w/Pin, SST	18
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100203	5/8" x 2 1/4" BHCS w/Pin, SST	4
100327	3/8" Standard Hex Nut, SST	4
100353	3/8" Flange Nut w/Pin, SST	4
100365	3/8" SAE Flat Washer, SST	20
100366	5/8" Flat Washer, SST	8
100362	3/8" Flat Washer, SST	6
121246	**Exit Hardware Package**	1
100292	3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST	2
100362	3/8" Flat Washer, SST	4
111442	Rubber Bushing	2

DB=Direct Bury

Specifications

Slide, Hood & Barriers: Rotationally molded from U.V. stabilized linear low-density polyethylene, color specified.

Entrance Deck: Flange formed from 12 GA (.105") sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16" diameter holes and measures 32 1/4" wide x 36 27/32" long. Finish: TenderTuff™, color specified.

Barrier Plates: Fabricated from 1/4" x 1 1/2" zinc plated HR flat steel. Finish: ProShield®, color specified.

Center Column: Fabricated from 3.500" O.D. RS-20 (.120" - .130") galvanized steel tubing. Finish: ProShield, color specified.

Exit Support: Weldment comprised of 2.375" O.D. RS-20 (.095" - .105") galvanized steel tubing and 1/4" x 3" x 11 3/4" mounting plate. Finish: ProShield, color specified.

Handbar: Formed from 7/8" O.D. 11 GA (.120") steel tubing. Finish: TenderTuff, brown in color.

Hanger Bracket: Formed from 11 GA (.120") HRPO low carbon sheet steel. Finish: TenderTuff, color specified.

Pipe Bolts: 1 1/8" O.D. 6005-T5 aluminum extrusion with 5/16" walls. Finish: ProShield, color specified.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 3/4 hours with 3 people

Concrete Req.: Approx. 6 cu. ft.

Area Req.: 8' (2,43 m) minimum use zone at Exit

Weight: 403 lbs.

Fall Height: 56" (1,42 m)

Installation Instructions

1) Dig footing holes to the spacing and depth shown.
2) Preassemble the spyroslide and hood over a clean non-scratching surface.
3) Slide the center column into the spyroslide, and butt it up tight against the bottom sleeve.
4) Attach the hood to the spyroslide using 3/8" x 1 11/16" BHCS w/Pin with 3/8" SAE flat washers and 3/8" flange nuts w/Pin. Refer to the Barrier/Deck/Slide Assembly.
5) Mark posts at 55 1/2" above finished grade. Attach deck hanger clamps to hanger bracket using 3/8" hex patch nuts with 3/8" flat washers. Position hanger bracket with deck hanger clamps between posts level with marks. Attach to posts using 5" half clamps, 3/8" x 1 1/8" BHCS w/Pin and 3/8" tee nuts. Refer to the Barrier/Deck/Slide Assembly.
6) With three people minimum attach the entrance deck to the face of the hanger bracket using 3/8" x 1 1/8" BHCS w/Pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
7) Set the preassembled spyroslide into the footing hole with inserts in line with the holes in the face of the entrance deck. Attach using 3/8" x 7/8" BHCS w/Pin with 3/8" flat washers. Refer to the Barrier/Deck/Slide Assembly.
8) Attach the exit support to the spyroslide using 3/8" x 1 1/4" BHCS w/Pin limited thread bolts, 3/8" flat washers, rubber bushings and 3/8" flat washers. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not overtighten.* Refer to the Exit Support Detail.
9) Attach the barrier plates to the barriers using 3/8" x 7/8" BHCS w/Pin. Refer to the Barrier/Deck/Slide Assembly.
10) Attach the barrier plates with barriers to the spyroslide and hood using 3/8" x 7/8" BHCS w/Pin with 3/8" SAE flat washers. Refer to the Barrier/Deck/Slide Assembly.
11) Attach offset hanger clamp assemblies to posts at heights shown, using 5" half clamps, 3/8" x 1 1/8" BHCS w/Pin and 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
12) Attach barriers to offset hanger clamp assemblies with 4 3/8" pipe bolts between barriers and offset hanger clamp assemblies. Attach barriers to pipe bolts using 5/8" x 2 1/4" BHCS w/Pin with 5/8 flat washers placed on each side of barrier. Attach pipe bolts to offset hanger clamp assemblies using 5/8" x 2 1/4" BHCS w/Pin. Refer to the SpyroSlide Assembly.
13) Attach handbar to hood using 3/8" x 7/8" BHCS w/Pin with 3/8" flat washers. Refer to the Barrier/Deck/Slide Assembly.
14) Level barriers and entrance deck. You may need to adjust hanger clamp assemblies and prop up slide to do so.
15) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
16) With slide plumb and level, pour concrete footings. Allow concrete to cure a minimum of 72 hours before users are allowed to play on the structure.
17) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #54551 Document 18513600 replaces 15104900. Replaced hanger bracket.

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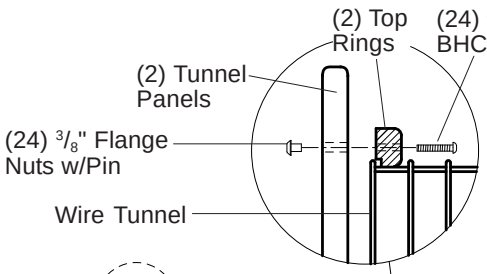
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

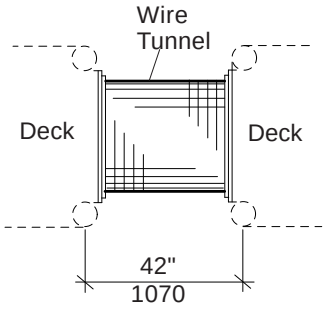
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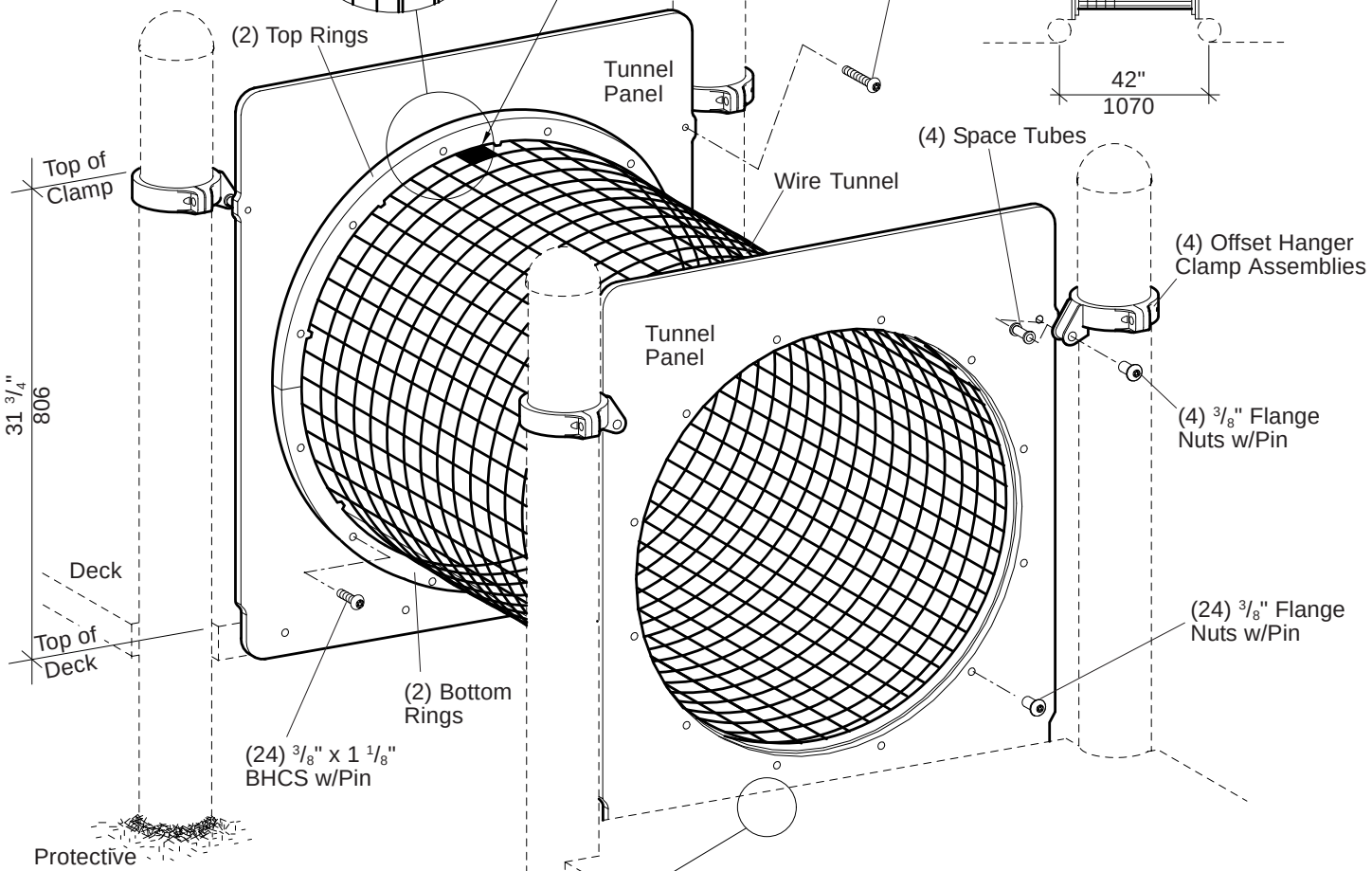
DETAIL
TUNNEL/RING ATTACHMENT



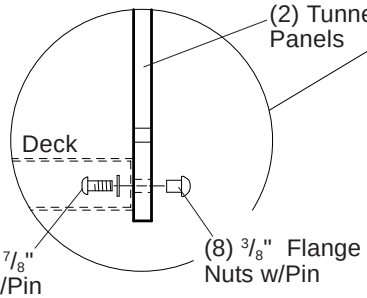
Attach Wire Tunnel To Panel With Tab On Top

PLAN VIEW FOOTING LAYOUT





DETAIL
TENDERDECKS



DECK MOUNT

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119641 Crawl Tunnel, Wire

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PlayBooster® 119641 Crawl Tunnel, Wire

Parts List

Part#	Description	Qty.
	ABOVE DECK	
119760	Wire Tunnel, Specify Color	1
119624	Tunnel Panel, Specify Color	2
119625	Top Ring, Specify Color	2
120701	Bottom Ring, Specify Color	2
105327	5" Half Clamp, Specify Color	4
113729	Offset Hanger Clamp, Specify Color	4
113468	Spacer Tube, Specify Color	4
119936	**Wire Tunnel Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	24
100353	3/8" Flange Nut w/Pin, SST	24
124900	**Tenderdeck Mounting Hardware Package**	2
124460	3/8" x 3 3/4" BHCS w/Pin, SST	4
100196	3/8" x 7/8" BHCS w/Pin, SST	8
100198	3/8" x 1 1/8" BHCS w/Pin, SST	8
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	12
100365	3/8" SAE Flat Washer, SST	8
	BELOW DECK	
119760	Wire Tunnel, Specify Color	1
119624	Tunnel Panel, Specify Color	2
119625	Top Ring, Specify Color	2
120701	Bottom Ring, Specify Color	2
113464	Angled Panel Bracket, Specify Color	2
105327	5" Half Clamp, Specify Color	8
113729	Offset Hanger Clamp, Specify Color	8
113468	Spacer Tube, Specify Color	4
119936	**Wire Tunnel Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	24
100353	3/8" Flange Nut w/Pin, SST	24
124947	**Ground Level Mounting Hardware Package**	2
124460	3/8" x 3 3/4" BHCS w/Pin, SST	4
100195	3/8" x 5/8" BHCS w/Pin, SST	8
100198	3/8" x 1 1/8" BHCS w/Pin, SST	16
100203	5/8" x 2 1/4" BHCS w/Pin, SST	4
100351	3/8" Tee Nut, SST	16
100353	3/8" Flange Nut w/Pin, SST	12
100610	1/4" x 5/8" Drive Rivet, AL/SST	8

Specifications

Wire Tunnel: Formed from 1/4" diameter wire with 2" x 3" openings. Wire tunnel measures 28" in diameter and 35 3/8" long. Finish: TenderTuff™, color specified.

Permalene® Panel: Solid color panel measures 35 5/8" wide x 41" high, color specified.

Rings: Solid color Permalene, color specified.

Angled Panel Brkt: Weldment comprised of .190" thick 5052 aluminum formed angle with (2) 6061-T6 aluminum threaded tubes 1 1/8" O.D. x 1 1/2" long. Finish: ProShield®, color specified.

Spacer Tube: Made from 6061-T6 aluminum 7/8" O.D. x 1 11/16". Finish: ProShield, color specified.

Offset Hanger Clamp Assembly: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Above Deck Approx. 3 man hours
Below Deck Approx. 3 1/2 man hours

Min. Use Zone: 6' (1830 mm)

Weight: Above Deck 124 lbs.
Below Deck 136 lbs.

Fall Height: Deck Height Plus 4" (101 mm)

Installation Instructions

ABOVE DECK

1) Attach the wire tunnel to the panels using top and bottom rings, 3/8" x 1 1/8" BHCS w/pin and 3/8" flange nuts w/pin. Refer to the Tunnel/Ring Attachment Detail.
2) Attach the panels to the face of the decks using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" flange nuts w/pin. Refer to the Tenderdeck Detail.
3) Attach the offset hanger clamp assemblies to the posts using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
4) Attach the panels to offset hanger clamp assemblies using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin as shown.
5) Install protective surfacing before users are allowed to play on the structure.

BELOW DECK

1) Attach the wire tunnel to the panels using top and bottom rings, 3/8" x 1 1/8" BHCS w/pin and 3/8" flange nuts w/pin. Refer to the Tunnel/Ring Attachment Detail.
2) Attach the angled panel brackets to the bottom of the panels using 3/8" x 5/8" BHCS w/pin and 3/8" flange nuts w/pin. See Below Deck Mount.
3) Attach the offset hanger clamp assemblies to the posts using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer to the Typical Offset Hanger Clamp Spec Sheet.
4) Attach the angled panel brackets with the panels and wire tunnel to the offset hanger clamp assemblies using 5/8" x 2 1/4" BHCS w/pin. See Below Deck Mount.
5) Attach the top of the panels to the offset hanger clamp assemblies using 3/8" x 3 3/4" BHCS w/pin, spacer tubes and 3/8" flange nuts w/pin. See Below Deck Mount.
6) Install 1/4" x 5/8" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
7) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0100299 Document 20890900 replaces #13396900.Added note to attach tunnel with tab on top.

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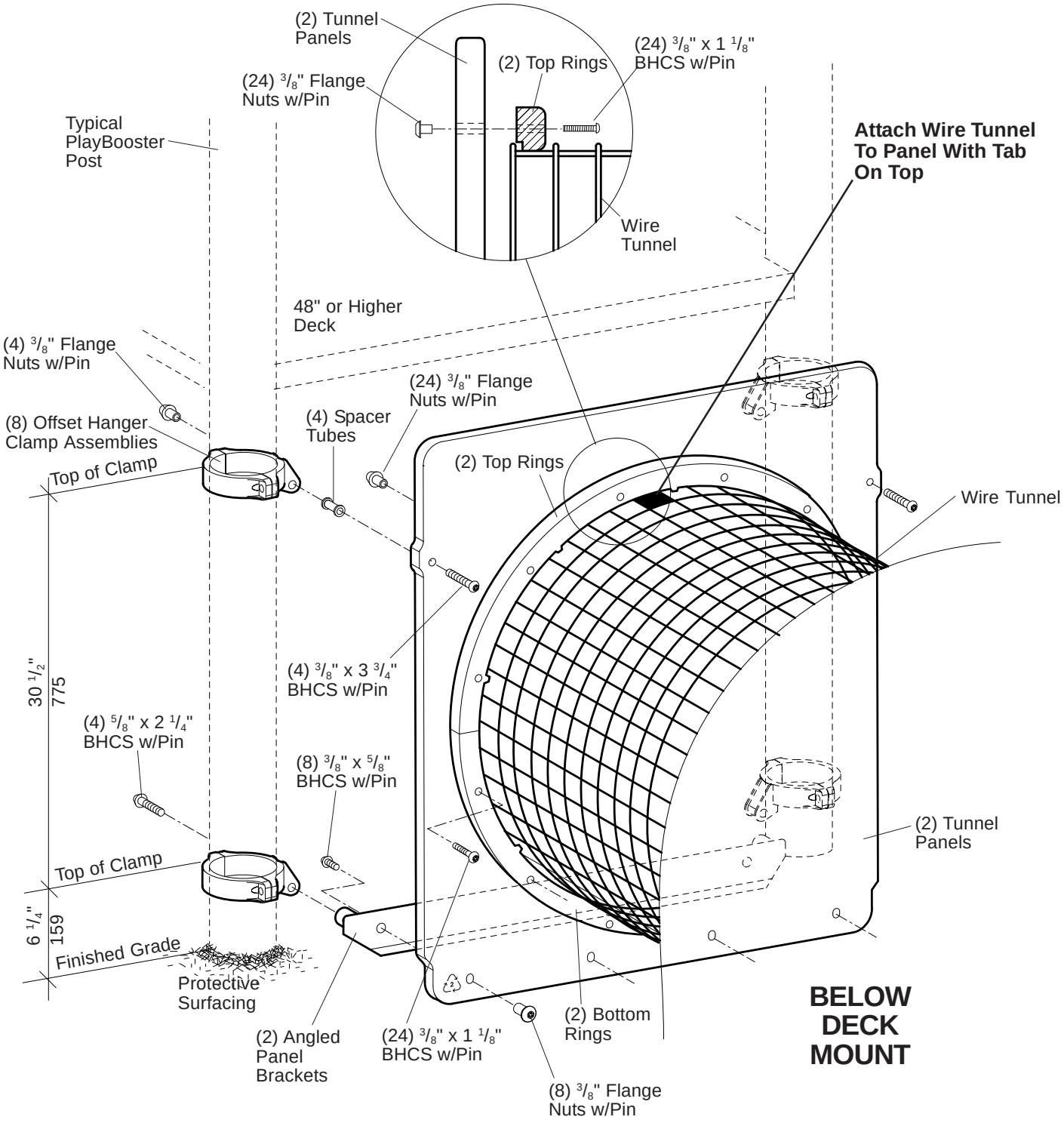
SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

208909a

DETAIL

TUNNEL/RING ATTACHMENT



PlayBooster® **119641 Crawl Tunnel, Wire**

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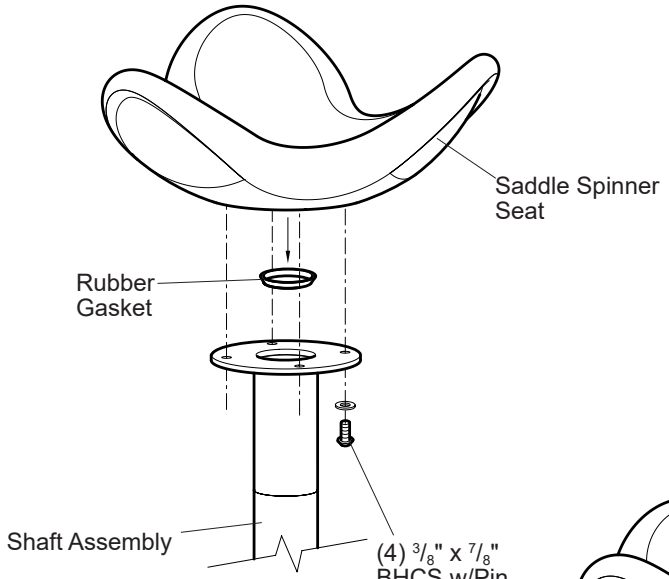
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

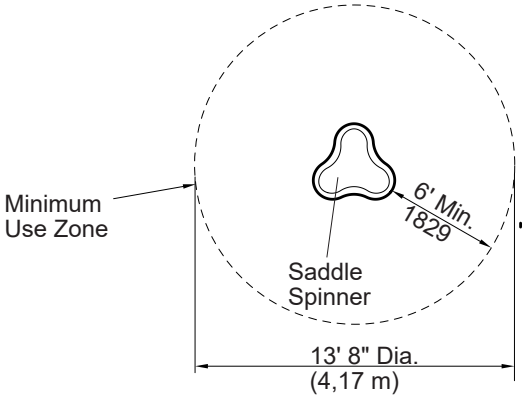
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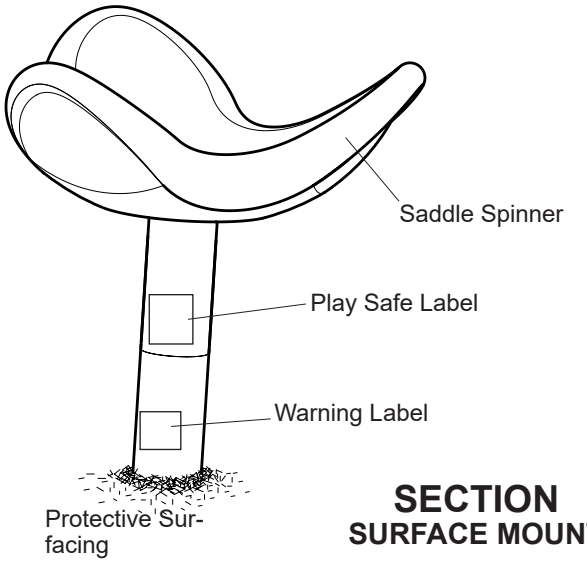
DETAIL
SADDLE SPINNER SEAT ASSEMBLY



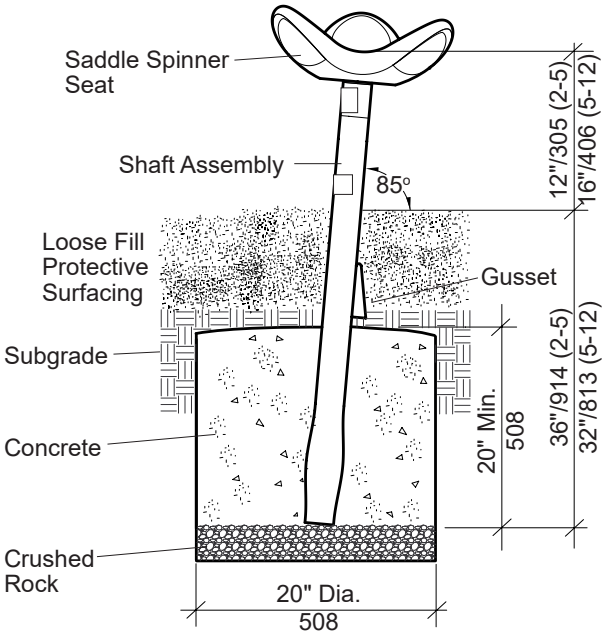
NOTE: Install Rubber Gasket with small diameter down.

DETAIL
MINIMUM USE ZONE

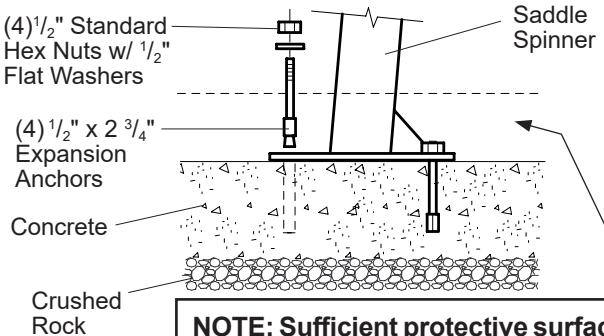




DETAIL
DIRECT BURY



SECTION
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

Kids In Motion 152179 Saddle Spinner

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Kids In Motion 152179 Saddle Spinner

Parts List

Part #	Description	Qty.
151539	Saddle Spinner Seat, Specify Color	1
197017	Shaft Assy., DB, Specify Color	*
274018	Shaft Assy. 12" Seat Height, SM, Specify Color	*
197011	Shaft Assy. 16" Seat Height, SM, Specify Color	*
211418	**Spinner Seat Hardware Package**	1
100196	$^{3}/_{8}$" x $^{7}/_{8}$" BHCS w/Pin, SST	4
100365	$^{3}/_{8}$" SAE Flat Washer, SST	4
156845	Play Safe Label, 2-5 Yrs.	1
156847	Play Safe Label, 5-12 Yrs.	1
127935	$^{5}/_{16}$" x 2 $^{15}/_{32}$" Rubber Gasket	1
183064	Warning label	1
121348	**4-Hole (SM) Hardware Package**	1
100266	$^{1}/_{2}$" x 2 $^{3}/_{4}$" Expansion Anchor	4
100322	$^{1}/_{2}$" Standard Hex Nut, SST	4
100363	$^{1}/_{2}$" Flat Washer, SST	4

*** = Quantity Determined By Your Order**
DB = Direct Bury
SM = Surface Mount

Specifications

Shaft Assembly: **(Saddle Spinner Seat Post)** Weldment comprised of 2.875" O.D. RS40 (.160"-.170" Wall) galvanized steel tubing, 1.250" O.D. steel shaft, 12 Ga. (.105") HR flat steel, and 1144 steel collar. Finish: Pro-Shield®, color specified. **(Sleeve/Plate)** Weldment comprised of $^{1}/_{4}$" sheet HRPO steel and 2.875" O.D. schedule 80 steel tubing. Finish: ProShield, color specified.

Rubber Gasket: Made from 50 durometer neoprene.

Saddle Spinner Seat: Rotationally molded from U.V. stabilized linear low density polyethylene measuring 18 $^{1}/_{4}$" wide x 7" high, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: 1 man hour **(DB)**
$^{3}/_{4}$ man hour **(SM)**
Weight: 36 lbs. **(DB)**
30 lbs. 12" Seat Height **(SM)**
32 lbs. 16" Seat Height **(SM)**
Area Req.: 13' 8" (4,17 m) diameter
Min. Use Zone.: 6' (1,83 m)
Concrete: Approx. 3 $^{1}/_{2}$ cu. ft. **(DB)**
Fall Height: 12" (300 mm) 2-5 Years
16" (410 mm) 5-12 Years

Installation

1) **(Direct Bury)** Dig footing as shown. Refer to the Direct Bury Detail.

2) Attach saddle spinner seat and rubber gasket to shaft assembly using $^{3}/_{8}$" x $^{7}/_{8}$" BHCS w/pin and $^{3}/_{8}$" SAE flat washers. Refer to the Saddle Spinner Seat Attachment Detail. **NOTE:** *Install Rubber Gasket with small diameter down.*

3) **(Direct Bury)** Place the shaft assembly in footing hole. Place a level on the shaft assembly gusset, when gusset is plumb pour concrete footing. Allow concrete footing to cure a minimum of 72 hours before users are allowed to play on structure. **NOTE**: *Saddle spinner will have to be propped in position, until concrete has cured.*

   (Surface Mount) Drill $^{1}/_{2}$" x 3" deep holes through base plate using hammer drill and $^{1}/_{2}$" masonry bit. Tap expansion anchors into drilled holes. Attach shaft assembly base plate to expansion anchors using $^{1}/_{2}$" standard hex nuts with $^{1}/_{2}$" flat washers.

4) If required to meet Canadian Standard (CSA Z614) requirement for water ponding, drill (3) $^{1}/_{8}$" diameter drain holes on top side of seat, and (3) $^{1}/_{8}$" diameter holes on bottom side of seat. **NOTE:** *Positions are prelocated on both sides of seat with an indent marking. Use caution to drill through one wall of plastic only.*

5) Apply labels as shown.

6) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

Eco #0101909 Document #27401700 replaces #21141900. Part number change for shaft assembly 12"..

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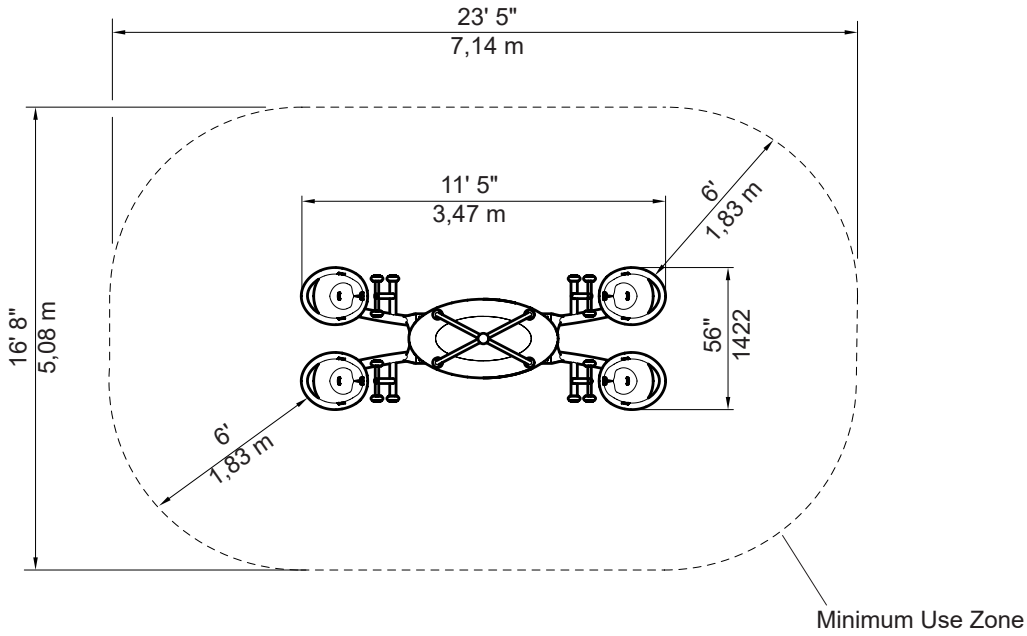
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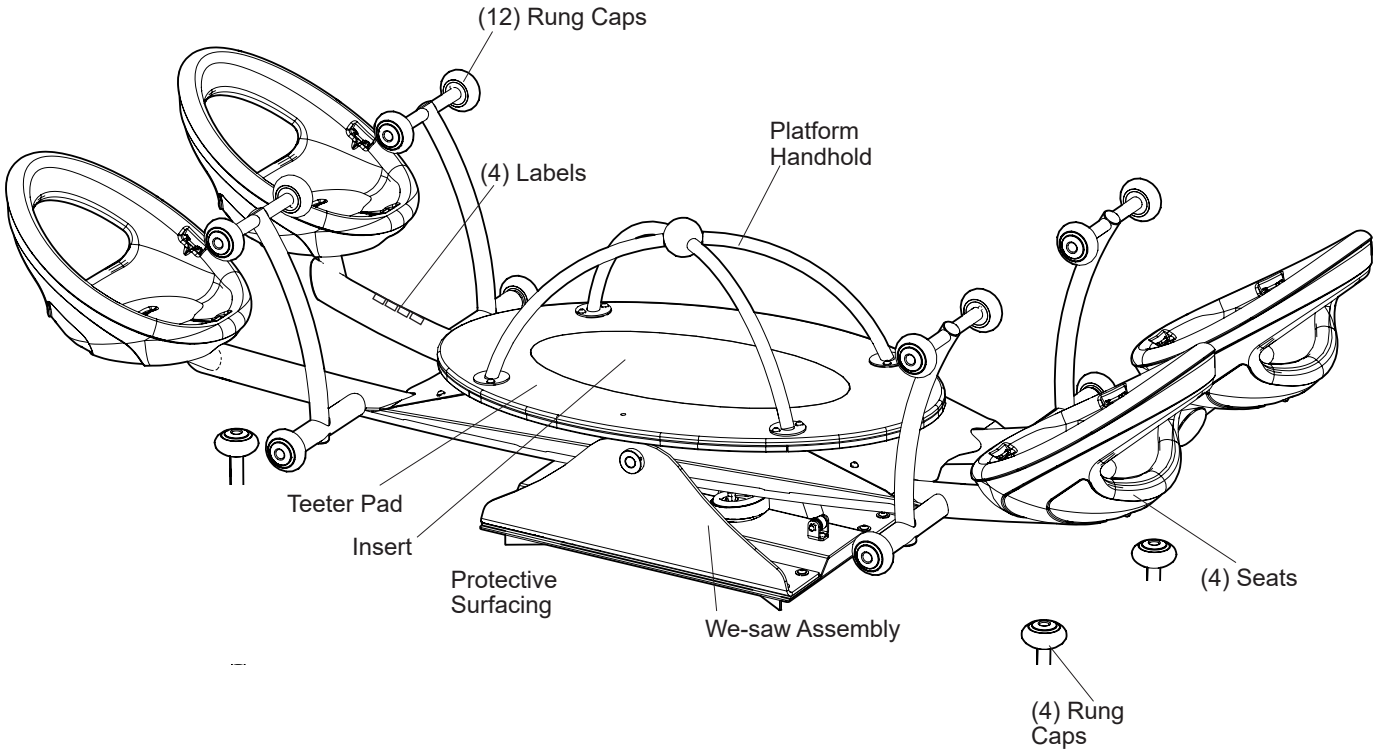
ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

PLAN VIEW





Kids In Motion

186490 We-saw™

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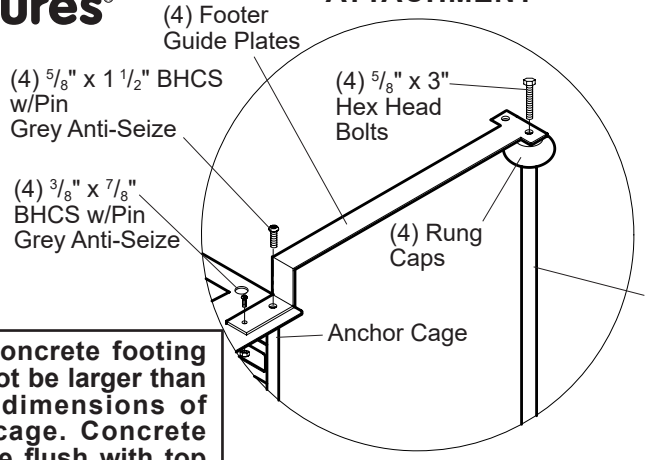
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SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

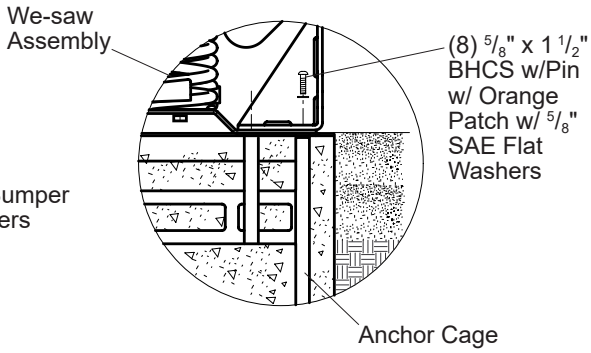
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DETAIL
BUMPER FOOTER ATTACHMENT

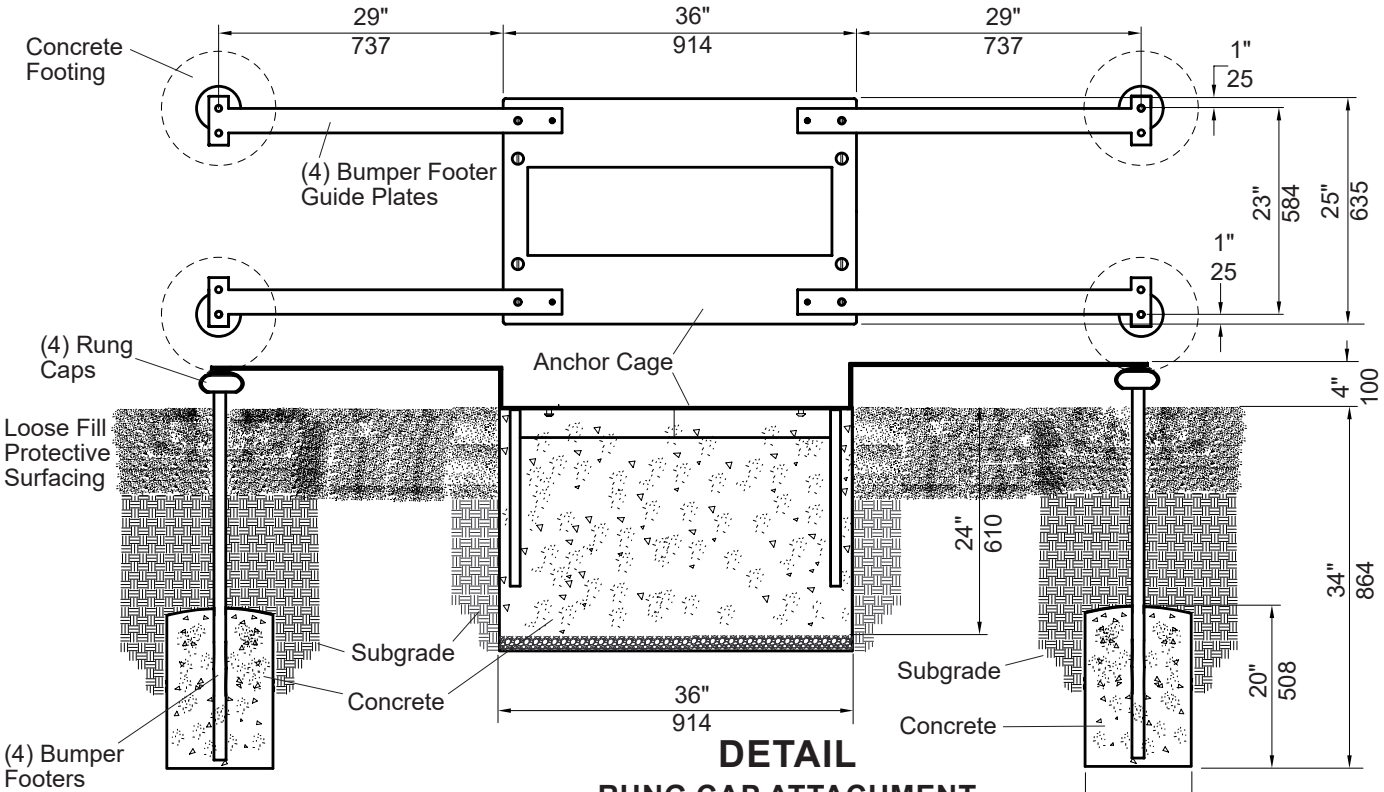


NOTE: Concrete footing should not be larger than outside dimensions of anchor cage. Concrete should be flush with top of anchor cage.

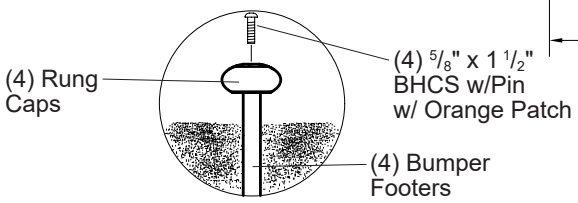
DETAIL
WE-SAW ASSEMBLY ATTACHMENT



DETAIL
CONCRETE FOOTINGS
(WITH FOOTER GUIDE PLATES)



DETAIL
RUNG CAP ATTACHMENT



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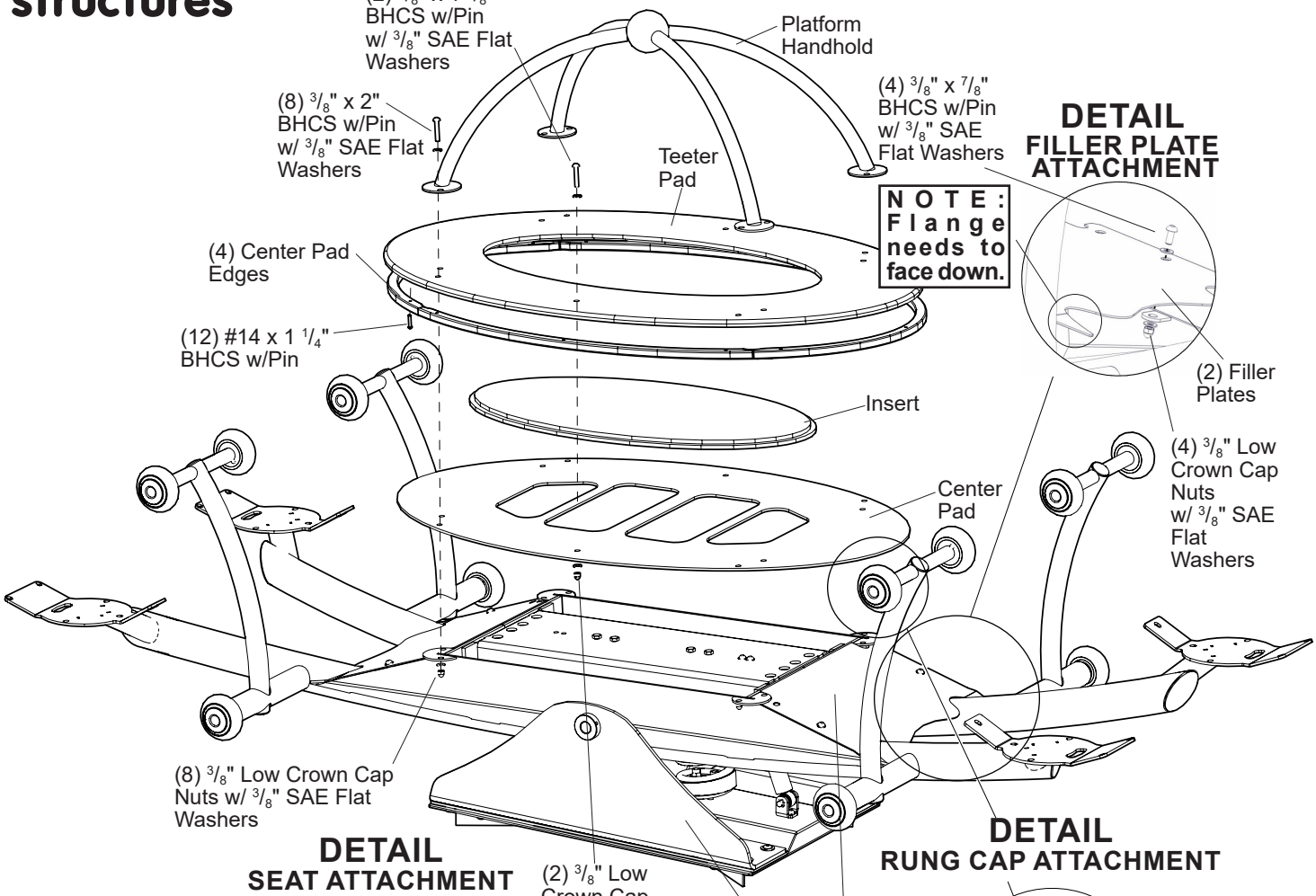
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

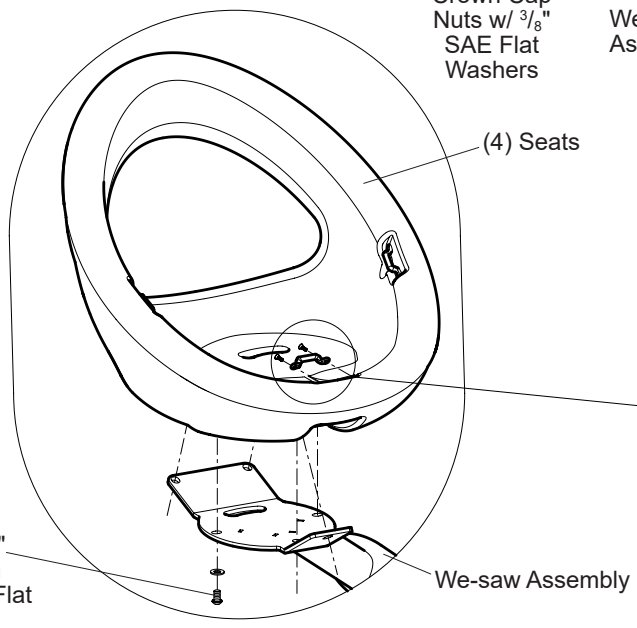
DETAIL
WE-SAW ASSEMBLY



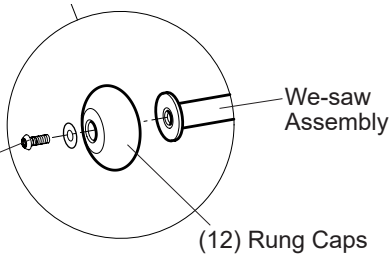
NOTE: Flange needs to face down.

DETAIL
FILLER PLATE ATTACHMENT

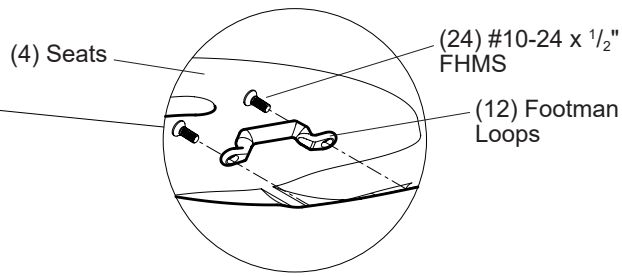
DETAIL
SEAT ATTACHMENT



DETAIL
RUNG CAP ATTACHMENT



DETAIL



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SAFETY NOTE

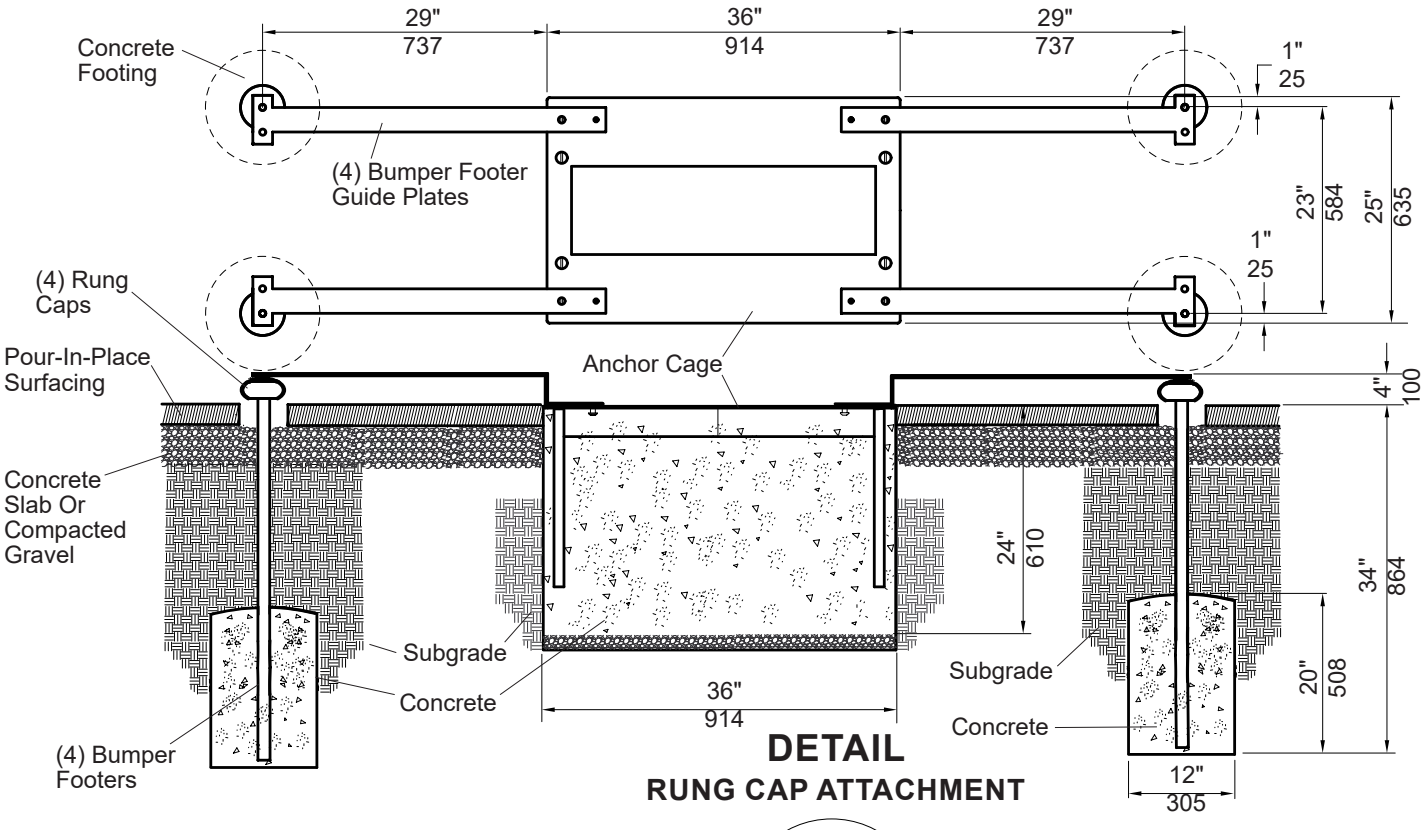
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

210877z

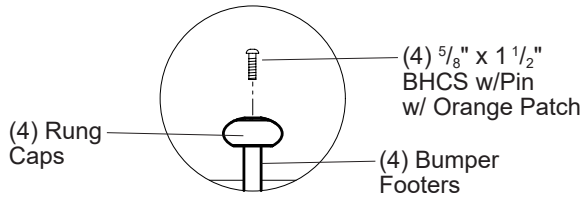
DETAIL

DIRECT BURY WITH POUR-IN-PLACE SURFACING

CONCRETE FOOTINGS
(WITH FOOTER GUIDE PLATES)



DETAIL
RUNG CAP ATTACHMENT



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Parts List

Part#	Description	Qty.
181123	Seat, Specify Color	4
182262	Rung Cap, Black	16
182458	Platform Handhold, Specify Color	1
182947	Center Pad, Black	1
211277	GripX Insert, Black	1
183327	Teeter Pad, Specify Color	1
183328	Pad Edge Long, Specify Color	2
183329	Pad Edge Short, Specify Color	2
183748	Filler Plate, Specify Color	2
186453	Anchor Cage, Black	1
187231	Bumper Footer, Specify Color	4
273373	We-saw Assembly, Specify Color	1
186951	Footer Guide Plate, Black	4
249513	**We-saw Hardware Package**	1
100173	3/8" x 2" BHCS w/Pin, SST	8
100196	3/8" x 7/8" BHCS w/Pin, SST	28
100201	5/8" x 1 1/2" BHCS w/Pin, SST-Patch	12
100365	3/8" SAE Flat Washer, SST	64
129500	5/8" SAE Flat Washer, SST	8
129672	#14 x 1 1/4" TORX BHCS, SST	12
207709	Footman Loop, SST	12
162462	#10-24 x 1/2" FHMS	24
115176	ASTM Hard Surface Warning Label	1
156846	Play Safe Label, 2-12 Years	1
182212	Entanglement Warning Label	1
182213	Hot Surface Warning Label	1
100349	3/8" Low Crown Cap Nut, SST	14
127463	Bit Hex TPP T-27 Torx	1
113027	3/8" x 1 3/8" BHCS w/Pin, SST	2
100195	3/8" x 5/8" BHCS w/Pin, SST	12
188123	**Bumper Guide Plate Hardware Package**	1
127546	3/8" x 7/8" BHCS w/Pin, SST	4
127551	5/8" x 1 1/2" BHCS w/Pin, SST	4
188124	5/8" x 3" Hex Cap Screw, ZP	4

Specifications

We-saw Assembly: **(Arm Assembly)** Weldment comprised of 3.500" (88,9 mm) O.D. x 8 GA. (.162") (4,11 mm) wall galvanized steel tubing, 2.375" (60,33) O.D. RS40 (.130"-.140") (3,30 mm-3,56 mm) wall galvanized steel tubing, 1.900" (48,26 mm) O.D. RS40 (.120"-.130") (3,05 mm-3,30 mm) wall galvanized steel tubing, .375" (9,52 mm) thick HRPO steel plate and .250" (6,35 mm) stainless steel plate. Finish: Proshield®, specify color. **(Rocker Assembly)** Weldment comprised .250" (6,35 mm) HRPO steel plate and 2" (50 mm) x 5/16" (7,93 mm) wall steel tubing. Finish: ProShield, Black in color. **(Base)** Weldment comprised .375" (9,53 mm) HRPO steel plate and 2.500" (63,50 mm) O.D. x 1.150" (29,21 mm) I.D. stainless steel tubing. Finish: ProShield, Black in color. **(Base Plate)** Fabricated from .250" (6,35 mm) HRPO steel plate. Finish: ProShield, Black in color. **(Spring)** 5 5/8" (142,87 mm) diameter 13/16" (20,62 mm) tempered alloy steel coil. Finish: ProShield, Black in color. **(Spring Wedge)** Cast from ductile iron alloy. Finish: ProShield, Black in color. **(Bearings)** 1.145" (29,08 mm) I.D. igus **(Shaft)** 1.14" (28,96 mm) O.D. stainless steel. **(Cylinder)** Chrome plated steel.

Filler Plate: Fabricated from 5052 Sheet Aluminum. Finish: ProShield, color specified.

GripX Insert: 3/4" (19,05 mm) Thick Permalene®, black in color.

Teeter Pad & Edges: Permalene®, color specified.

Platform Handhold: Weldment comprised of 1.315" (33,4 mm) O.D. RS20 (.080"-.090") (2,03 mm - 2,28 mm) wall galvanized steel tubing, 10 GA (.135") (3, 42 mm) HRPO steel sheet and 7 GA. (.179") (4,54 mm) HRPO steel sheet. Finish: Proshield®, color specified.

Anchor Cage: Weldment comprised of 1.029" (26,13 mm) O.D. RS20 (.070"-.080") (1,77 mm - 2,03 mm) wall galvanized steel tubing with 203 or 303 stainless steel welded inserts with 5/8" internal threads and 7 GA. (.179") (4,54 mm) HRPO steel sheet. Finish: Proshield®, black in color.

Rung Cap: Molded from U.V. stabilized black EPDM rubber encapsulating .250" (6,35 mm) thick aluminum sheet and .125" (3,18 mm) thick aluminum plate.

Center Pad: Fabricated from .250" (6,35 mm) thick HRPO steel sheet plate. Finish: Proshield®, black in color.

Bumper Footer: Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080"-.090") (2,03 mm - 2,29 mm) wall galvanized steel tubing with 203 or 303 stainless steel welded inserts with 5/8" internal threads and .250" (6,35 mm) thick stainless steel plate. Finish: Proshield®, color specified.

Seat: Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 16 man hours
Fall Height: 54" (1,37 m)
Min. Use Zone: 6' (1,83 m)
Area Required: 16' 8" x 23' 5" (5,08 m x 7,14 m)
Concrete Req.: Approx. 17.82 cu. ft.
Weight: 783 lbs.

Specifications are subject to change without notice.

ECO# 0102391 Document 32121700 replaces 27337600. Updated bearing

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Installation Instructions

1) **(Direct Bury)** Dig footing holes for anchor cage and bumper footers. Build a form for anchor cage concrete footing. Concrete footing for anchor cage should not be larger than outside dimensions of anchor cage. Refer to Concrete Footing Details.

2) Attach rung caps and bumper footers to bumper footer guide plates using $^{5}/_{8}$" x 3" hex head bolts. Refer to the Bumper Footer Attachment Detail.

3) Attach bumper footer guide plates to anchor cage using $^{5}/_{8}$" x 1 $^{1}/_{2}$" BHCS w/pin and $^{3}/_{8}$" x $^{7}/_{8}$" BHCS w/pin. Refer to the Bumper Footer Attachment Detail.

4) Place anchor cage and bumper footers in footing holes, as shown. Top of anchor cage should be flush with finished grade. With anchor cage level and bumper footers plumb, pour concrete. Concrete should be flush with top of anchor cage. Allow concrete footing to cure for a minimum of 72 hours before continuing. Refer to the Concrete Footing Details.

5) Remove footer guide plates from anchor cage and bumper footers. Discard bumper guard plates and hardware. Attach rung caps to bumper footers using $^{5}/_{8}$" x 1 $^{1}/_{2}$" BHCS w/pin. Refer to the Rung Cap Attachment Detail.

6) Set We-saw assembly onto anchor cage. Line up holes in We-saw assembly bottom plate with threaded inserts in anchor cage. Attach We-saw assembly to anchor cage using $^{5}/_{8}$" x 1 $^{1}/_{2}$" BHCS w/pin with $^{5}/_{8}$" SAE flat washers. Refer to the We-saw Assembly Attachment Detail.

7) Attach filler plates to We-saw assembly using #3/8 x 7/8" BHCS w/ pin with $^{3}/_{8}$" SAE flat washers and $^{3}/_{8}$" low crown cap nuts with $^{3}/_{8}$" SAE flat washers. Refer to the Filler Plate Attachment Detail. Make sure flanges on filler plates are pointing downwards.

8) Attach center pad edges to teeter pad, using #14 x 1 $^{1}/_{4}$" BHCS w/pin. Refer to the We-saw Assembly Detail.

9) Attach platform handhold, teeter pad, insert and center pad to We-saw assembly attachment plates, using $^{3}/_{8}$" x 2" BHCS w/pin with $^{3}/_{8}$" SAE flat washers and $^{3}/_{8}$" low crown cap nuts with $^{3}/_{8}$" SAE flat washers. Refer to the We-saw Assembly Detail.

10) Attach teeter pad to center pad using $^{3}/_{8}$" x 1 $^{3}/_{8}$" BHCS w/pin with $^{3}/_{8}$" SAE flat washers and $^{3}/_{8}$" low crown cap nuts with $^{3}/_{8}$" SAE flat washers. Refer to the We-saw Assembly Detail.

11) Attach rung caps to We-saw assembly using $^{5}/_{8}$" x 1 $^{1}/_{2}$" BHCS w/pin. Refer to the Rung Cap Attachment Detail.

12) Attach seats to We-saw assembly using $^{3}/_{8}$" x $^{7}/_{8}$" BHCS w/pin with $^{3}/_{8}$" SAE flat washers. Refer to the Seat Attachment Detail.

13) Attach footman loops,using #10-24 x $^{1}/_{2}$" flat head screws, as shown. Footman loops are used for seat belts (not included).

14) Apply Play Safe and warning labels, as shown.

15) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

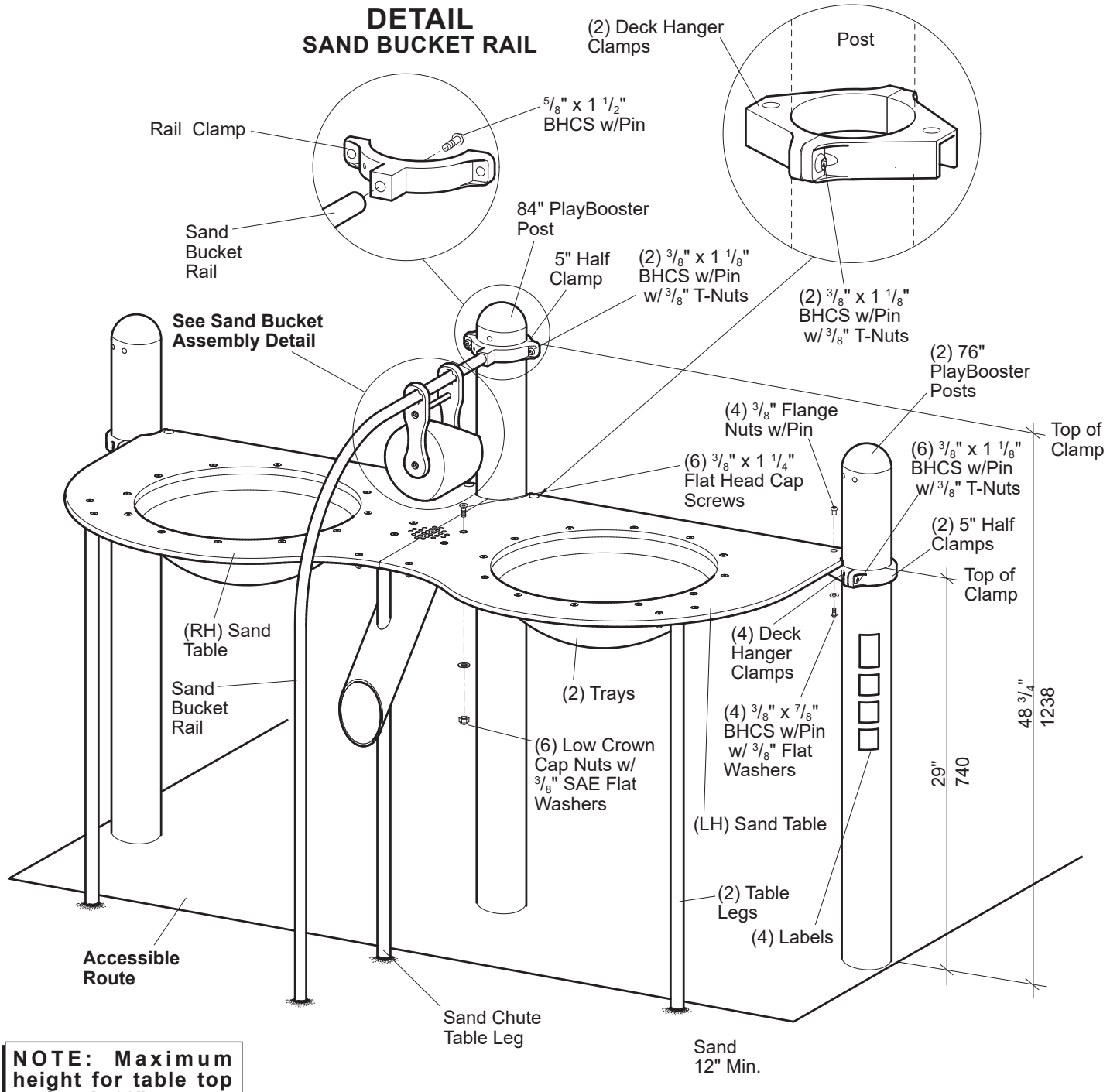
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DETAIL
BACK TO BACK DECK HANGER CLAMPS

DETAIL
SAND BUCKET RAIL



NOTE: Maximum height for table top surface is 30".

Sensory Play

136233 Elevated Sand Table

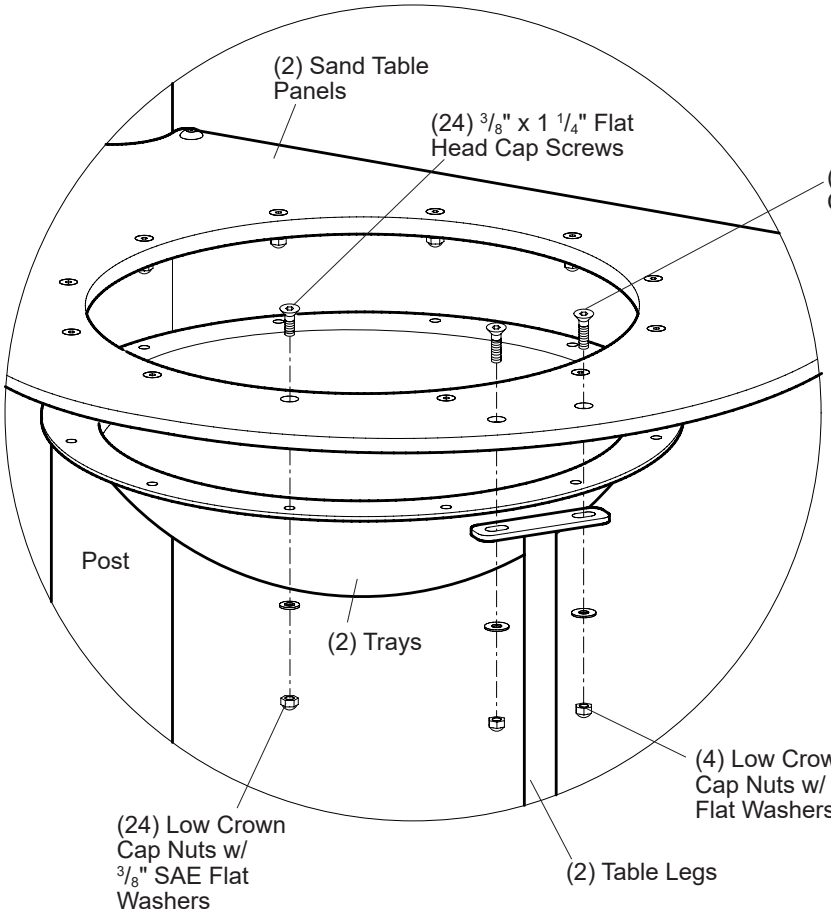
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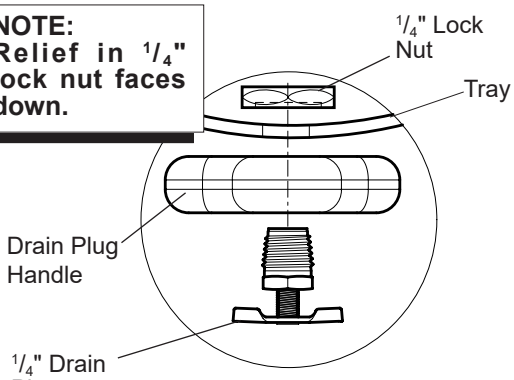
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DETAIL
TRAY/LEG ATTACHMENT

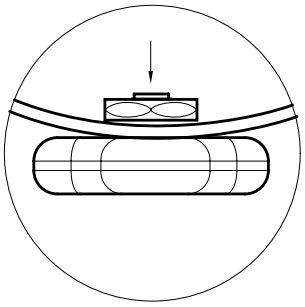


DETAIL
TRAY DRAIN

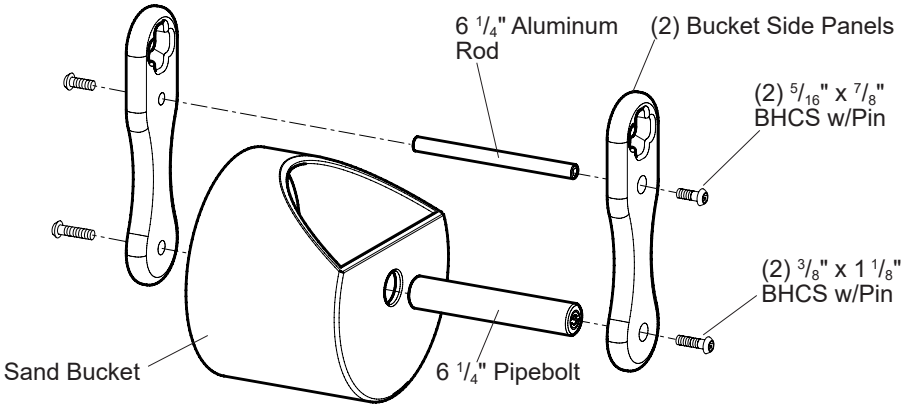
NOTE: Relief in 1/4" lock nut faces down.



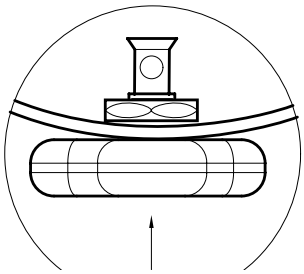
CLOSED POSITION



DETAIL
SAND BUCKET ASSEMBLY



OPEN POSITION



NOTE: Keep plug in "Closed position when using sand in tray. Open plug for draining water only.

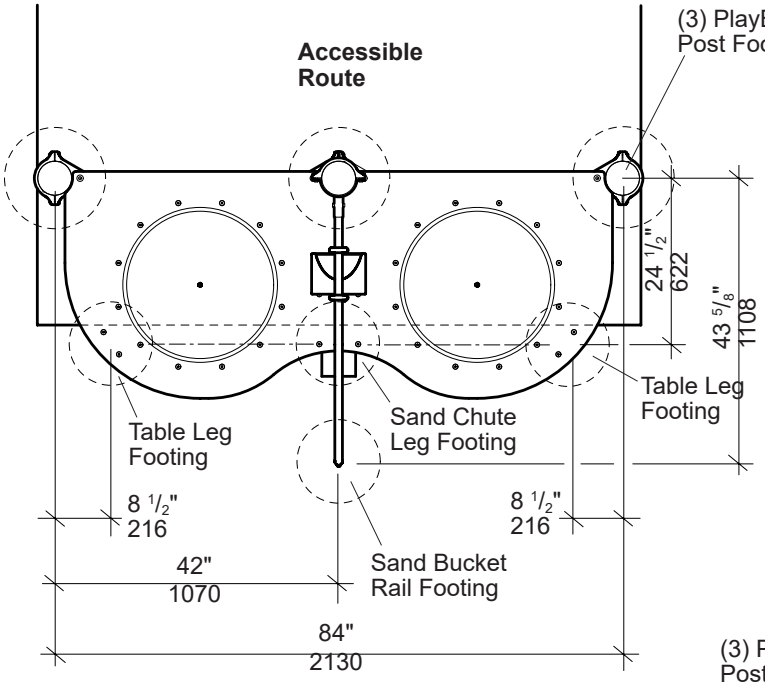
Sensory Play

136233 Elevated Sand Table

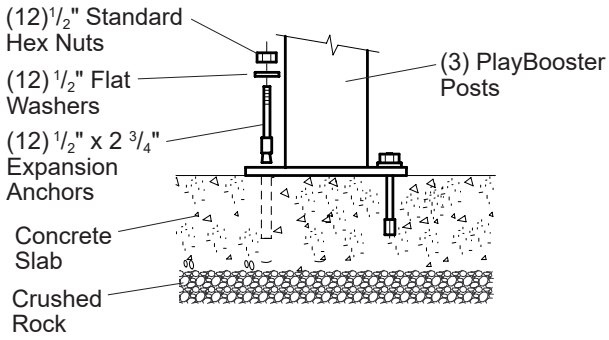
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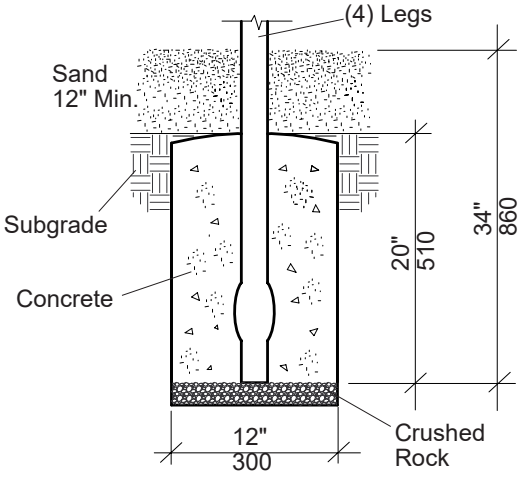
PLAN VIEW/FOOTING LAYOUT



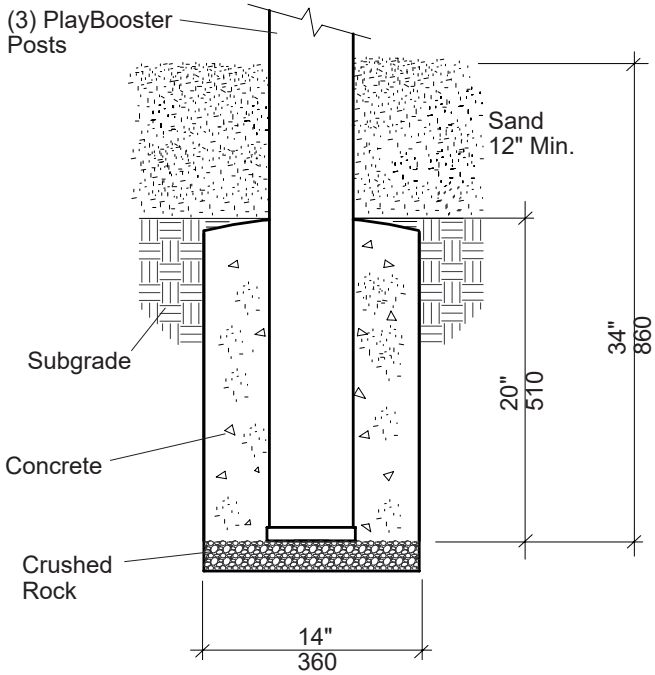
DETAIL
SURFACE MOUNT



DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



Sensory Play

136233 Elevated Sand Table

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Document #30318200

Sensory Play 136233 Elevated Sand Table

Parts List

Part#	Description	Qty.
105327	5" Half Clamp, Specify Color	3
106022	Deck Hanger Clamp, Specify Color	4
136929	Rail Clamp, Specify Color	1
131264	Tray, Tan	2
135620	Sand Bucket Rail, Silver	1
135992	Sand Bucket, Tan	1
136940	1/2" x 6 1/4" Aluminum Rod, Tan	1
140642	6 1/4" Pipe Bolt	1
135274	Sand Chute Table Leg (DB), Specify Color	1
136995	Table Leg (DB), Specify Color	2
168301	44" Post Steel (SM), Specify Color	2
168305	76" Post Steel (DB), Specify Color	2
168302	44" Post Aluminum (SM), Specify Color	2
168306	76" Post Aluminum (DB), Specify Color	2
168303	52" Post Steel (SM), Specify Color	1
168307	84" Post Steel (DB), Specify Color	1
168304	52" Post Aluminum (SM), Specify Color	1
168308	84" Post Aluminum (DB), Specify Color	1
135351	**Panel (Set), Specify Color**	1
135342	Sand Table Panel (Left Hand), Specify Color	1
135343	Sand Table Panel (Right Hand), Specify Color	1
135406	Bucket Side Panels, Specify Color	2
303181	**Elevated Sand Table Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	4
100198	3/8" x 1 1/8" BHCS w/Pin, SST	10
100201	5/8" x 1 1/2" BHCS w/Pin, SST	1
100252	3/8" x 1 1/4" Flat Head Cap Screw, SST	30
100349	3/8" Low Crown Cap Nut, SST	34
100351	3/8" Tee Nut, SST	8
100353	3/8" Flange Nut w/Pin, SST	4
100362	3/8" Flat Washer, SST	8
100365	3/8" SAE Flat Washer, SST	30
100610	¼" x 5/8" Drive Rivet, AL/SST	4
100638	Drain Plug	2
211628	Drain Plug Handle, Tan	2
100639	1/4" Lock Nut	2
151421	3/8" x 1 1/2" Flat Head Cap Screw, SST	4
132626	5/16" x 7/8" BHCS w/Pin, SST	2
156845	Play Safe Label, 2-5 Yrs.	1
182213	Hot Surface Warning Label	1
182212	Entanglement Warning Label	1
115176	Hard Surface Warning Label	1
121348	**4-Hole SM Hardware Package**	3
100266	1/2" x 2 3/4" Expansion Anchor	12
100322	1/2" Standard Hex Nut, SST	12
100363	1/2" Flat Washer, SST	12

DB=Direct Bury
SM=Surface Mount

Specifications

Table Leg: Weldment comprised of 1.315" O.D. RS20 (.080" - .090") galvanized steel tubing and 1/4" x 1 1/2" flat steel. Finish: ProShield®, color specified.

Tray: Rotationally molded from U.V. stabilized linear low density polyethylene, tan in color.

Sand Chute

Table Leg: Weldment comprised of 1.315" O.D. RS20 (.080" - .090") galvanized steel tubing and 5" O.D. x 11 GA (.120") galvanized steel tubing. Finish: ProShield, color specified.

Table Panels: Solid color Permalene® panel measures 40 1/2" x 33 1/2", color specified.

Aluminum Posts: See PlayBooster® (PB) General Specifications.

Sand Bucket Rail: Fabricated from 1.315" O.D. RS20 (.080" - .090") galvanized steel tubing. Finish: ProShield, silver in color.

Sand Bucket: Rotationally molded from U.V. stabilized linear low density polyethylene, tan in color.

Pipe Bolt: Extruded from 1.125" O.D. x .406" W. 6061-T6 aluminum. Finish: Anodized.

Steel Posts: See PlayBooster® (PB) General Specifications.

Clamps: Cast aluminum. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/ specifications).

Installation Time: **SM** - Approx. 4 man hours
DB - Approx. 6 man hours
Concrete Req.: Approx. 11.6 cu. ft.
Actual Size: 7'-5" x 4'-9" (2,26 m x 1,45 m)
Minimum Area Recommended: 7' Radius (2,13m)
Weight: Aluminum Posts 178 lbs.
Steel Posts 260 lbs.

Installation Instructions

1) **(Direct Bury)** Dig footing holes as shown.

2) Attach side panels to sand bucket using 6 1/4" pipe bolt and 3/8" x 1 1/8" BHCS w/ pin. Attach 1/2" rod to side panels using 5/16" x 7/8" BHCS w/pin. Refer to the Sand Bucket Assembly Detail.

3) Attach deck hanger clamps to posts at height shown. Using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet. For middle post attachment Refer to the Back to Back Deck Hanger Clamp Detail.

4) Attach table legs to left hand and right hand sand tables using 3/8" x 1 1/2" flat head cap screws and 3/8" low crown cap nuts with 3/8" flat washers.

5) Attach left hand and right hand sand tables to deck hanger clamps using 3/8" x 7/8" BHCS w/pin with 3/8" flat washers and 3/8" flange nuts w/pin.

6) Attach sand chute table leg to left hand and right hand sand tables using 3/8" x 1 1/4" flat head cap screws and 3/8" low crown cap nuts with 3/8" SAE flat washers.

7) Attach trays to underside of sand table panels using 3/8" x 1 1/4" flat head cap screws and 3/8" low crown cap nuts with 3/8" SAE flat washers. Fasten drain hardware as shown. Refer to Drain Tray Details.

8) Position sand bucket assembly on sand bucket rail and attach sand bucket rail to rail clamp using 5/8" x 1 1/2" BHCS w/pin. Refer to Sand Bucket Rail.

9) Attach rail clamp to post at height shown. Using half clamp and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.

10) **(Direct Bury)** With all posts and table legs plumb, pour concrete footings. Allow concrete footings to cure for a minimum of 72 hours before users are allowed to play.

(Surface Mount) With all posts plumb, drill 1/2" x 3" deep holes through anchor plates using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Fasten anchor plates to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.

11) Apply Play Safe and Warning Labels, as shown.

12) Install sand before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO #0102192 Document #30318200 replaces #27459500. Corrected hdw pkg.

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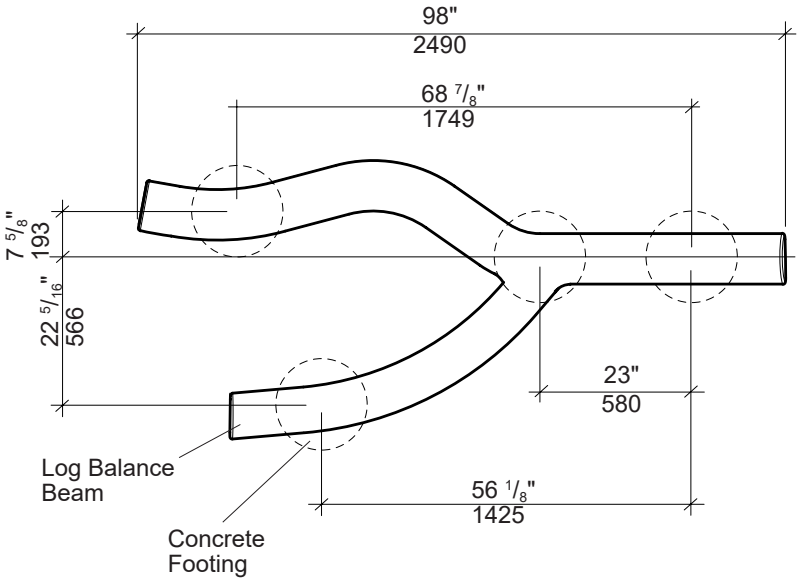
ISO 9001 Certified

SAFETY NOTE

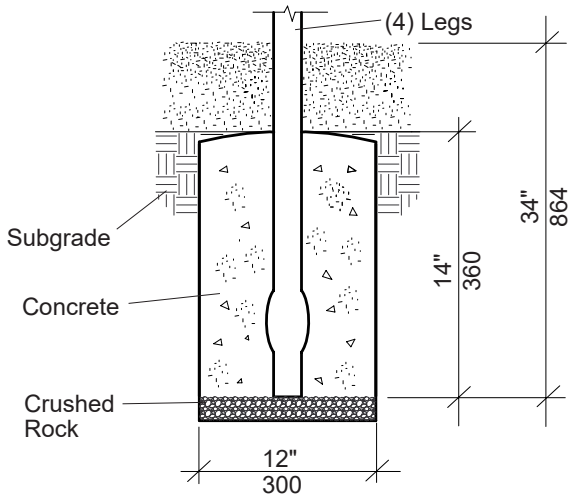
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

17559300

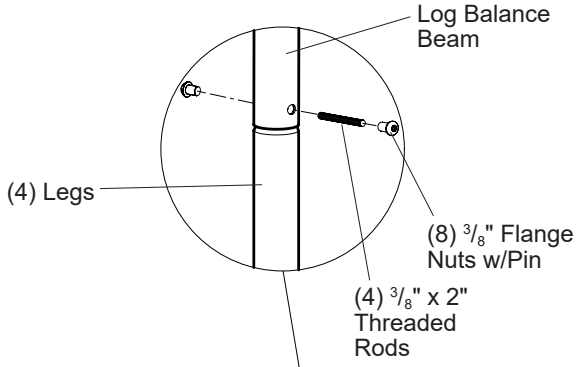
PLAN VIEW/FOOTING LAYOUT



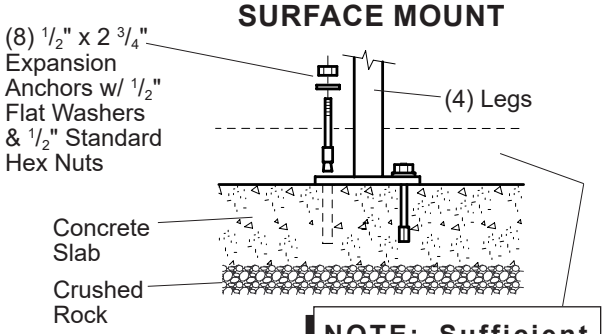
DETAIL
DIRECT BURY



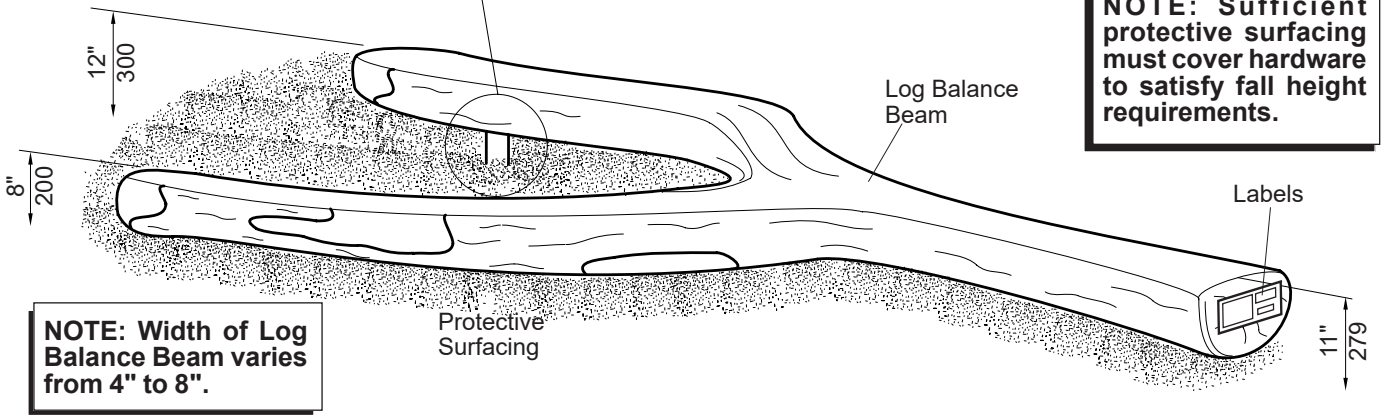
DETAIL
LEG ATTACHMENT



DETAIL
SURFACE MOUNT



NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.



NOTE: Width of Log Balance Beam varies from 4" to 8".

Play Naturally™

Sports & Fitness **173596 Log Balance Beam**

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Sports & Fitness 173596 Log Balance Beam

Parts List

Part#	Description	Qty.
175712	Log Balance Beam	1
175706	Leg, SM, Brown	4
175707	Leg, DB, Brown	4
175717	**Log Balance Beam Hardware Package**	1
100353	3/8" Flange Nut w/Pin, SST	8
116942	3/8" x 2" Threaded Rod, SST	4
111392	**2-Hole (SM) Hardware Package**	4
100266	1/2" x 2 3/4" Expansion Anchor	8
100322	1/2" Standard Hex Nut, SST	8
100363	1/2" Flat Washer, SST	8
224345	**Warning Label Package 2-12**	1
183064	Label Warning	1
200331	Label 2-5 Yrs	1
200332	Label 2-12 Yrs	1
200333	Label 5-12 Yrs	1

DB = Direct Bury
SM = Surface Mount

Specifications

Log Balance Beam

Assembly: Weldment comprised of 1.900" O.D. RS20 (.090"-.100" wall) galvanized steel tubing and 2.375" O.D. RS20 (.095"-.105" wall) galvanized steel tubing. Finish: ProShield, brown in color. (Log-fully assembled) Wet cast solid pour concrete product. Finish: Latex paint made for concrete, natural colors.

Leg: Fabricated from 2.375" O.D. RS20 (.095"-.105" wall) galvanized steel tubing. Finish: ProShield, brown in color.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 2 man hours
Concrete: Approx. 3.66 cu. ft.
Weight: 455 lbs. (DB) 435 lbs. (SM)
Min. Use Zone: 6' (1830 mm)
Actual Size: Log measures 98" long x 42" wide (2490 m x 1070 mm wide)
Fall Height: 12" (200 mm)

Installation Instructions

1) **(Direct Bury)** - Dig footing holes, spaced as shown. Attach legs to log balance beam, using 3/8" x 2" threaded rods and 3/8" flange nuts with pin. Place log balance beam in footing holes and temporarily brace in plumb and level position. Pour concrete footings and let cure for a minimum of 72 hours before users are allowed to play on the structure.

   (Surface Mount) - Attach legs to log balance beam, using 3/8" x 2" threaded rods and 3/8" flange nuts with pin. Set log balance beam in proper position and mark anchor bolt locations on concrete slab through holes in anchor plates. Move log balance beam aside and drill 1/2" x 3" deep holes in marked locations on concrete slab using 1/2" masonry bit and hammer drill. Reposition log balance beam over drilled holes and tap expansion anchors into holes. Fasten using and 1/2" standard hex nuts with 1/2" flat washers.

2) Apply the warning label and age label for the intended age range.

3) Install protective surfacing before users are allowed to play on the structure.

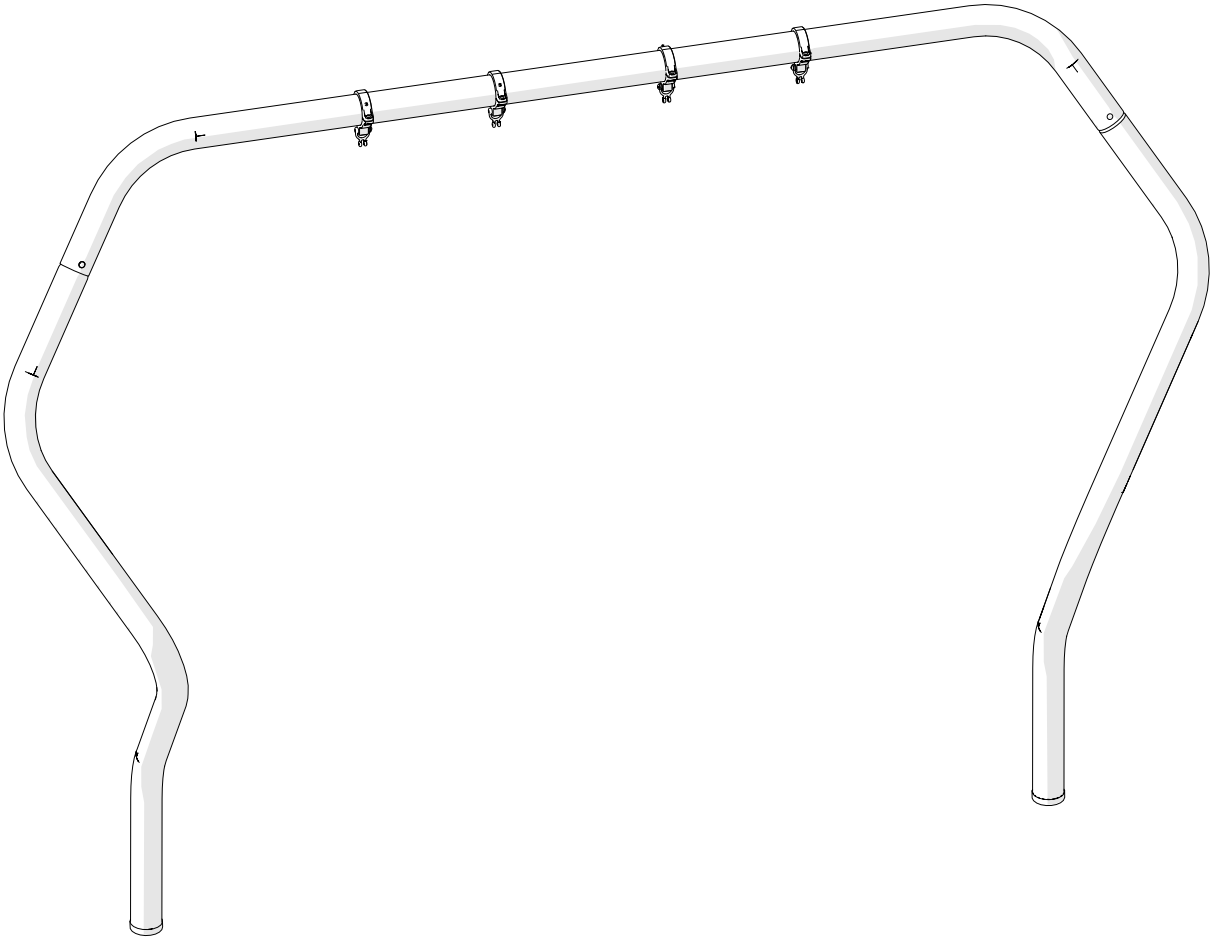
4) **NOTE: After installation if Touch-up/Repairs are needed, contact Landscape Structures at 1-888-574-4678.**

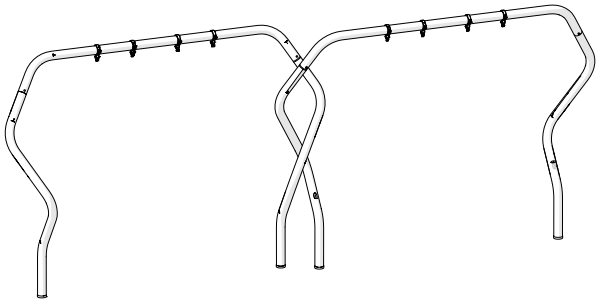
Specifications are subject to change without notice.

Eco 0101866 Document 27139500 replaces 23921100. Update material spec & weight for Log Balance Beam.

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)





Double Configuration

Hedra

Hedra Swing Frame 8’ Beam™ 278557

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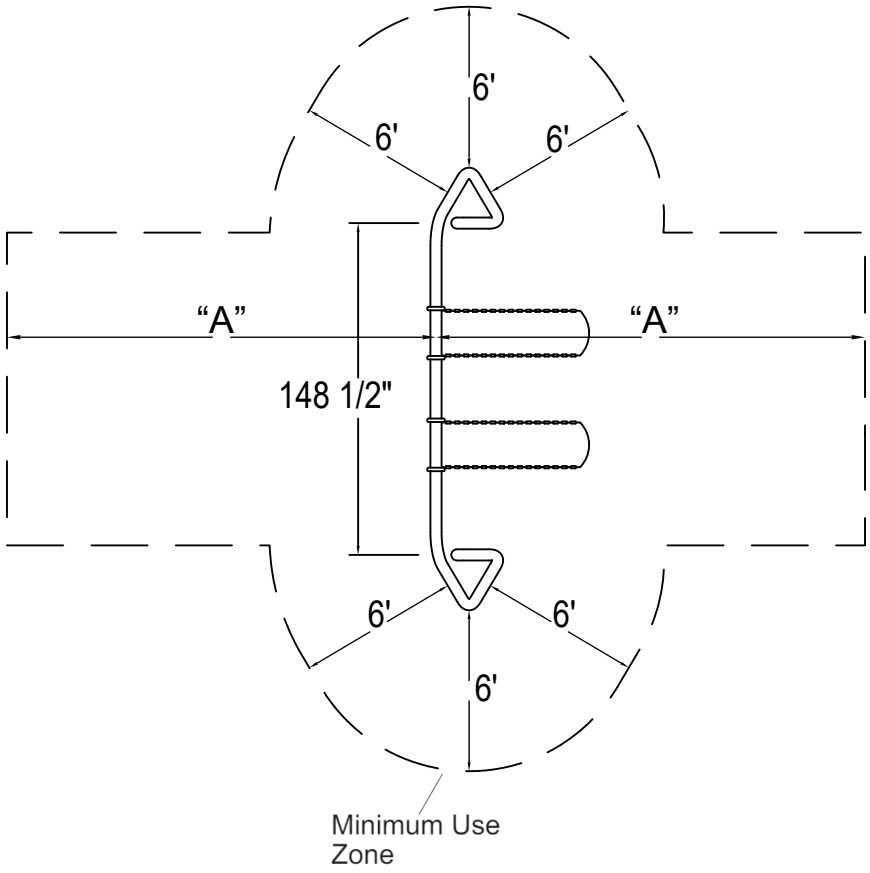
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Document #31197800

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

PLAN VIEW/FOOTING LAYOUT



KEY	
Seat Type	**Dimension "A"**
Belt	16'-0" (4,88 m)
Flat	16'-0" (4,88 m)
Full Bucket	12'-0" (3,66 m)
Half Bucket	16'-0" (4,88 m)
Molded Bucket	16'-0" (4,88 m)
Molded Bucket/Harness	16'-0" (4,88 m)
Infant Full Bucket	N/A

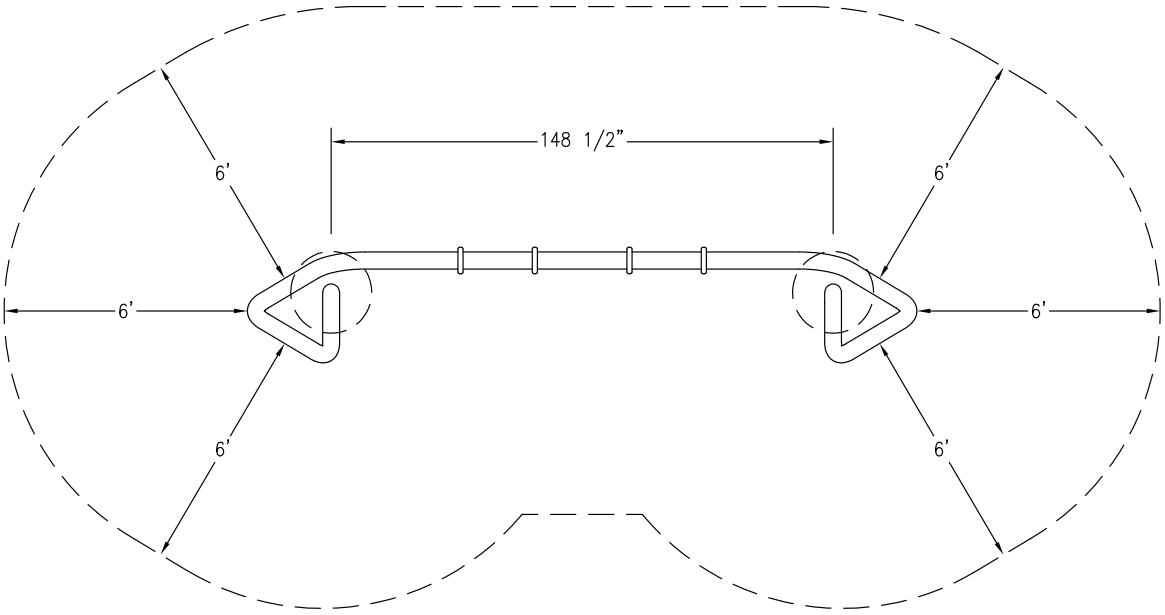
NOTE: Model numbers are for swing frames only, order swing seats with chains separately.

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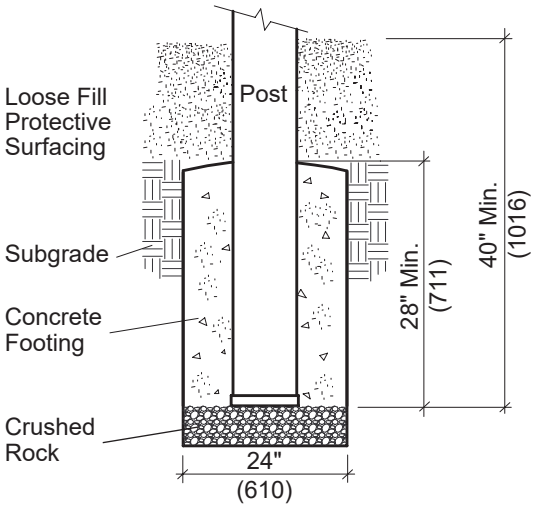
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FOOTINGS (SINGLE CONFIGURATION)

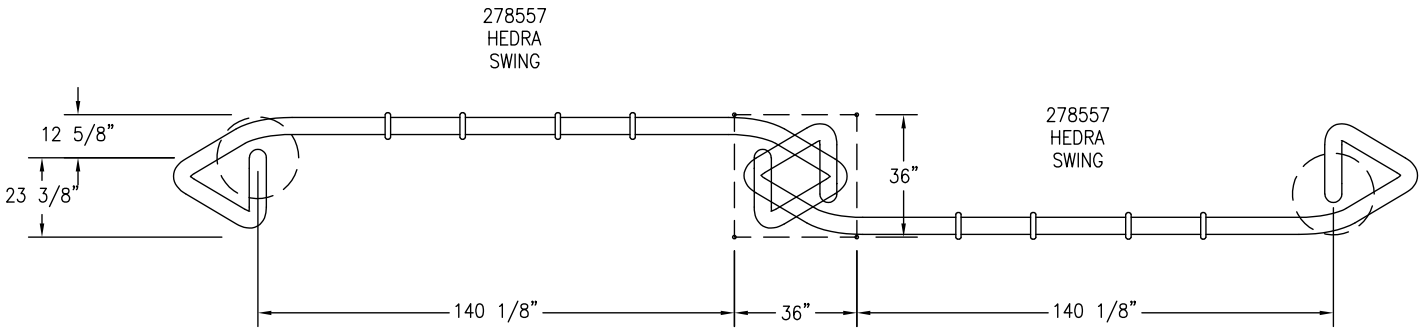


DETAIL
DIRECT BURY

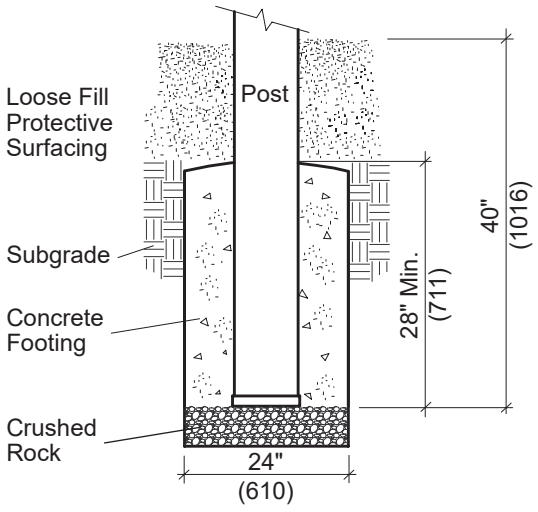


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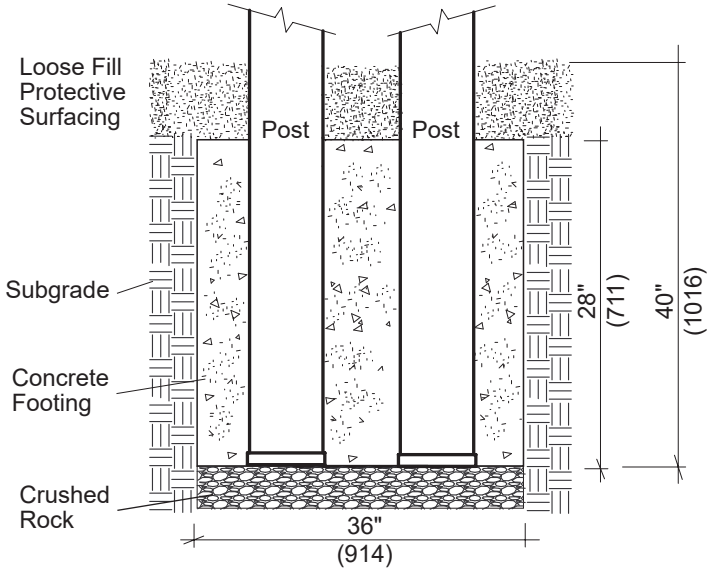
FOOTINGS (DOUBLE CONFIGURATION)



DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



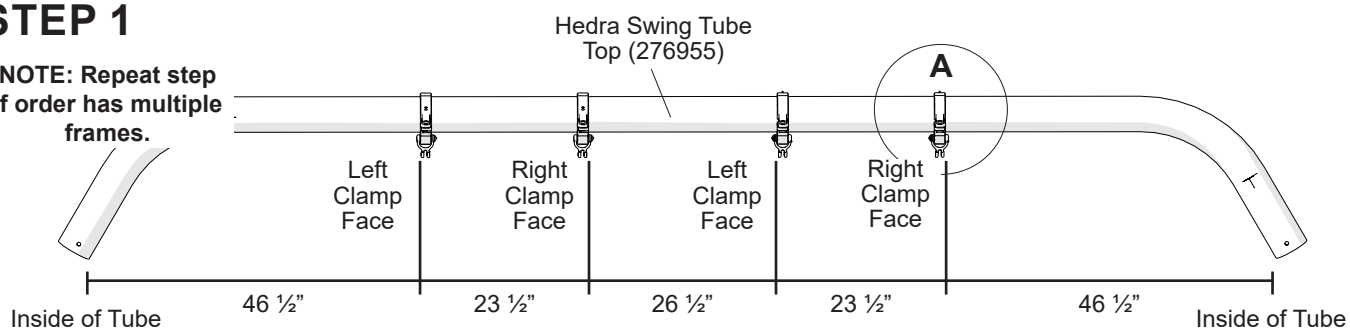
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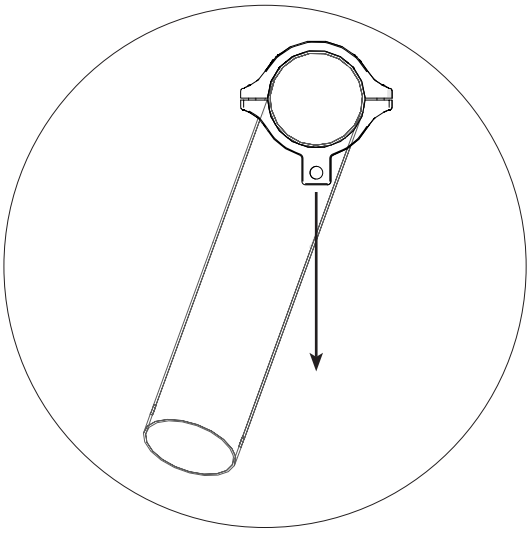
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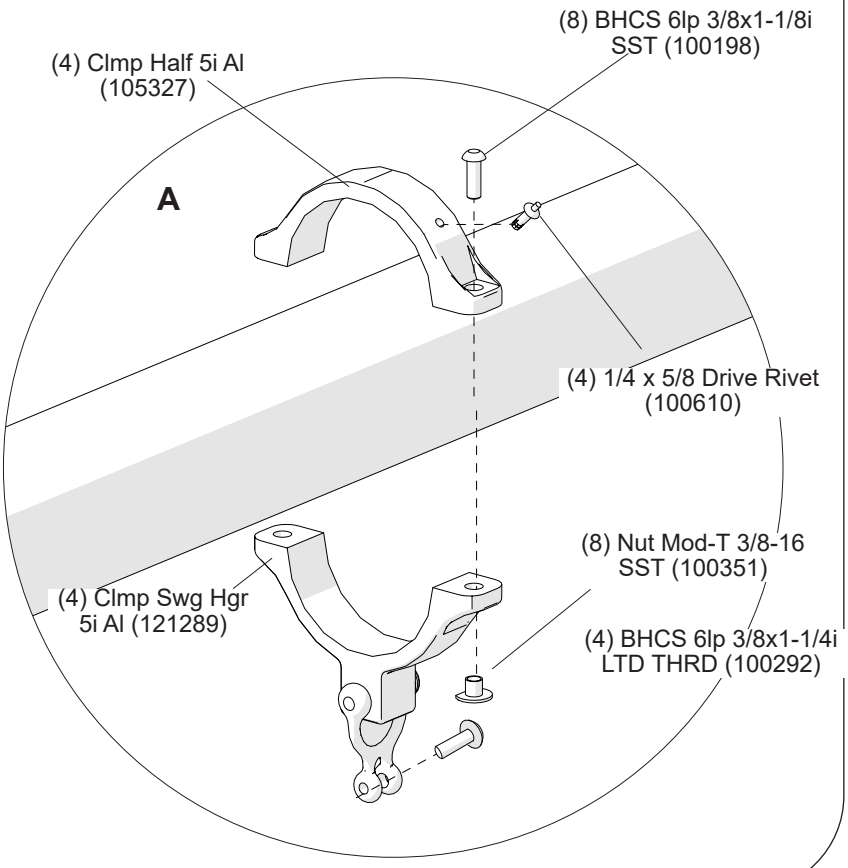
STEP 1

NOTE: Repeat step if order has multiple frames.



NOTE: Do not tighten clamps. So you can adjust the clamp to point directly down when installing chains and seat later.





Part Number	Description	Qty.
276955	Hedra Swing Tube Top	1
105327	Clmp Half 5i AL	4
121291	Clmp Asm Swg Hgr/Clv	4
100610	1/4 x 5/8 Drive Rivet	4

Part Number	Description	Qty.
100198	BHCS 6lp 3/8x1-1/8i Sst	8
100351	Nut Mod-T 3/8-16 Sst	8
100292	BHCS 6lp 3/8x1-1/4i LTD THRD	4

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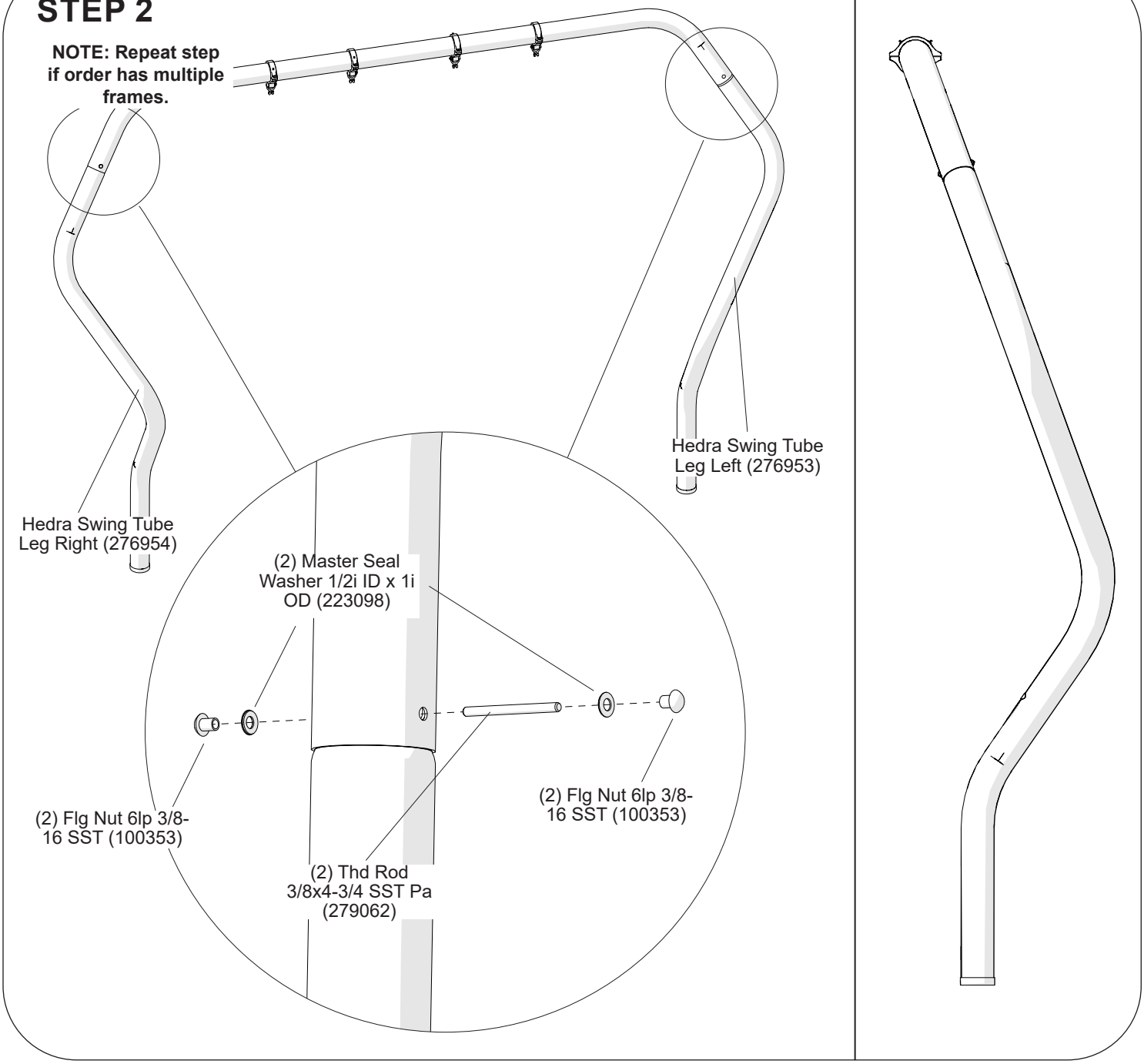
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STEP 2

NOTE: Repeat step if order has multiple frames.



Part Number	Description	Qty.
276953	Hedra Swing Tube Leg Left	1
276954	Hedra Swing Tube Leg Right	1
100353	Flg Nut 6lp 3/8-16 SST	4
223098	Master Seal Washer 1/2i ID x 1i OD	4

Part Number	Description	Qty.
279062	Thd Rod 3/8x4-3/4 SST Pat	2

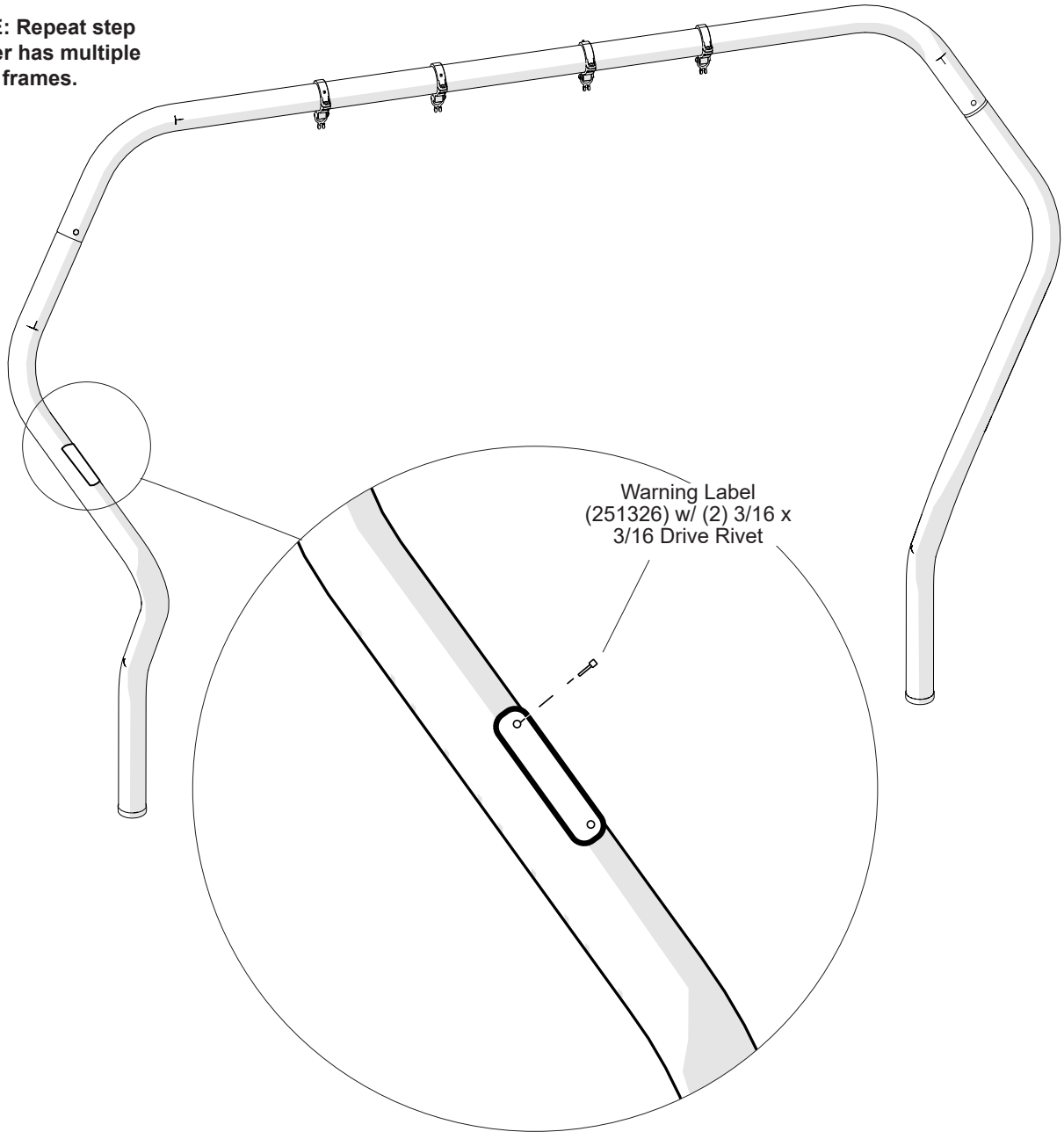
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STEP 3

NOTE: Repeat step if order has multiple frames.

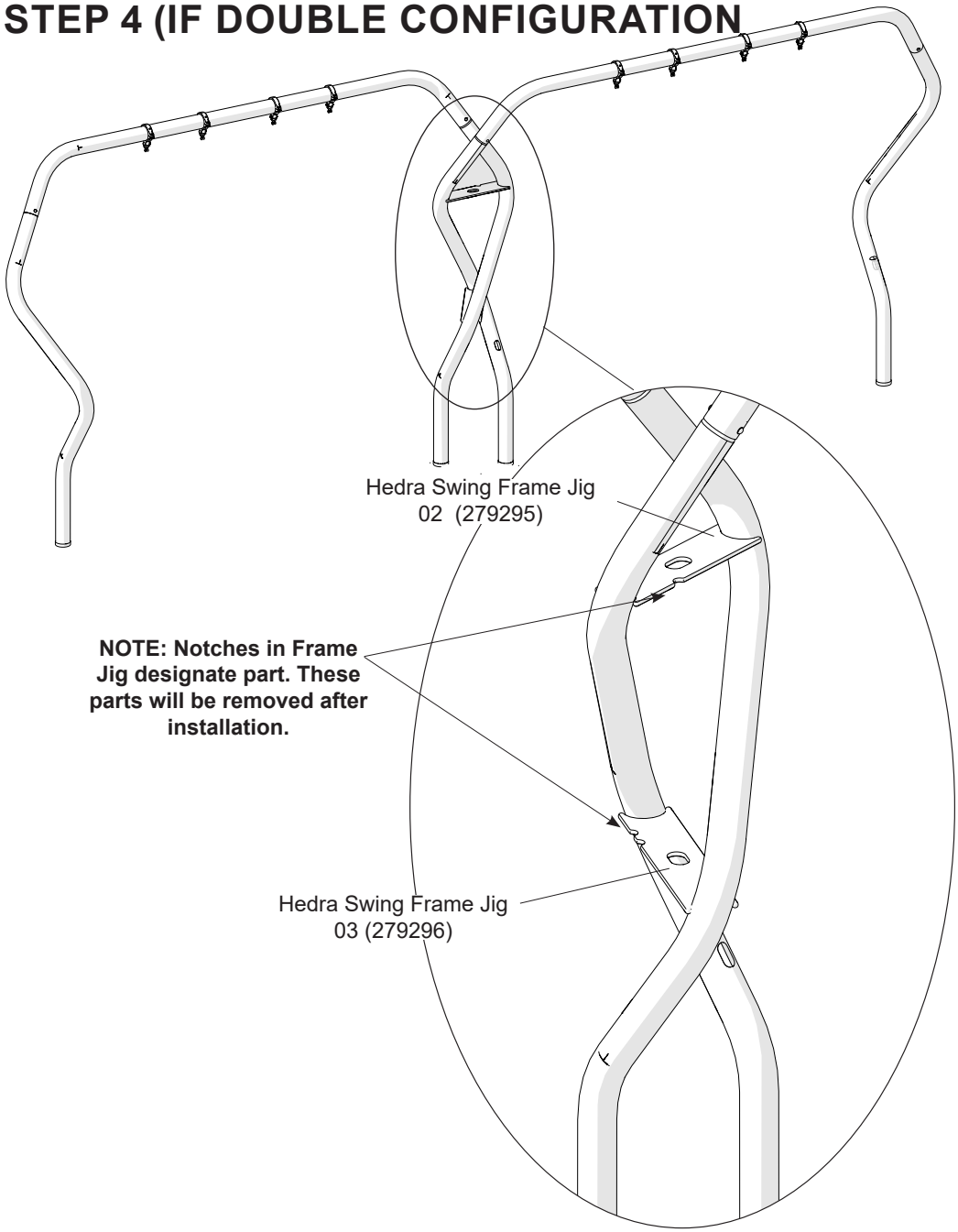


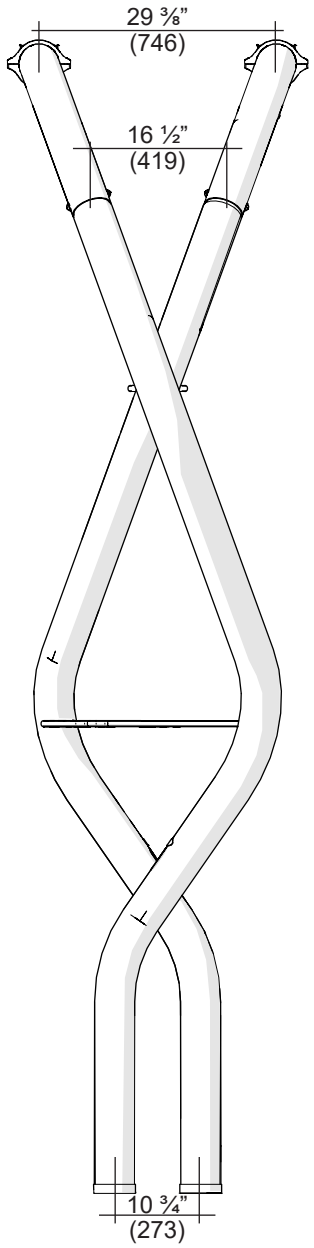
Part Number	Description	Qty.
251326	Warning Label	1
253266	3/16 x 3/16 Drive Rivet	2

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STEP 4 (IF DOUBLE CONFIGURATION





Part Number	Description	Qty.
279295	Hedra Swing Frame Jig 02	1
279296	Hedra Swing Frame Jig 03	1

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278557 Hedra Swing Frame 8' Beam™

Parts List - Single Swing

Part#	Description	Qty.
105327	Clmp Half 5i Al, Specify Color	4
121291	Clmp Asy Swg Hgr/Clv 5i, Specify Color	4
146007	Bit 5/16 6-Lobe T45 Tamp	1
146017	L-Key 6-Lobe T45 Tamp	1
251712	5i Formed Play Safe Plate 2-12 Years W/Attaching Hdw	1
276953	Hedra Swing Tube Leg Left, Specify Color	1
276954	Hedra Swing Tube Leg Right, Specify Color	1
276955	Hedra Swing Tube Top, Specify Color	1
100292	BHCS 6lp 3/8 x 1-1/4i LTD THRD.	4
279065	**Hdw Pkg Hedra Swing Frame**	**1**
100353	Flg Nut 6lp 3/8-16 SST	4
223098	Master Seal Washer 1/2i Id X 1i OD	4
279062	Thd Rod 3/8 x4-3/4 SST Pat	2
121265	**Hdw Pkg 5i Clamp (2) PB**	**2**
100198	Bhcs 6lp 3/8 x 1-1/8i Sst	4
100351	Nut Mod-T 3/8-16 Sst	4
100610	Rivet 1/4 x 5/8i Drv As	2

Specifications

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Clamps: Cast aluminum. Finish: ProShield, color specified.

Top Beam: Comprised of 5" (127 mm) .120 wall (11ga) Zinc Galvanized Steel Tubing. Finish: ProShield, color specified Legs: Comprized of 5" (127 mm) .179 wall (7ga) Zinc Galvanized Steel Tubing with Plastic Bottom Cap. Finish: ProShield, color specified

Installation Time: Approx. 10 install hours
Concrete Req.: Approx. 15 cu. ft.
Weight: 346 lbs.

Parts List - Double Swing

Part#	Description	Qty.
105327	Clmp Half 5i Al, Specify Color	8
121291	Clmp Asy Swg Hgr/Clv 5i, Specify Color	8
146007	Bit 5/16 6-Lobe T45 Tamp	2
146017	L-Key 6-Lobe T45 Tamp	2
251712	5i Formed Play Safe Plate 2-12 Years W/Attaching Hdw	2
276953	Hedra Swing Tube Leg Left, Specify Color	2
276954	Hedra Swing Tube Leg Right, Specify Color	2
276955	Hedra Swing Tube Top, Specify Color	2
279295	Hedra Swing Frame Jig 02, Red	1
279296	Hedra Swing Frame Jig 03, Red	1
100292	BHCS 6lp 3/8 x 1-1/4i LTD THRD.	8
279065	**Hdw Pkg Hedra Swing Frame**	**2**
100353	Flg Nut 6lp 3/8-16 SST	4
223098	Master Seal Washer 1/2i Id X 1i OD	4
279062	Thd Rod 3/8 x4-3/4 SST Pat	2
121265	**Hdw Pkg 5i Clamp (2) PB**	**4**
100198	Bhcs 6lp 3/8 x 1-1/8i Sst	4
100351	Nut Mod-T 3/8-16 Sst	4
100610	Rivet 1/4 x 5/8i Drv As	2

Specifications

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Clamps: Cast aluminum. Finish: ProShield, color specified.

Top Beam: Comprised of 5" (127 mm) .120 wall (11ga) Zinc Galvanized Steel Tubing. Finish: ProShield, color specified Legs: Comprized of 5" (127 mm) .179 wall (7ga) Zinc Galvanized Steel Tubing with Plastic Bottom Cap. Finish: ProShield, color specified

Installation Time: Approx. 15 install hours
Concrete Req.: Approx. 36 cu. ft.
Weight: 702 lbs.

6/25/2024- Added swing seat layout
ECO# 0102290 Document 31197800 replaces 27908800. BHCS added to step 1.

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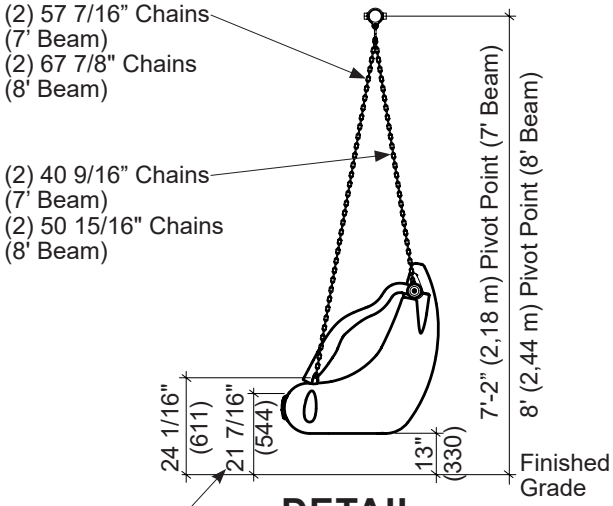
ISO 9001 Certified

SAFETY NOTE

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

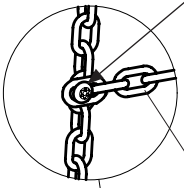
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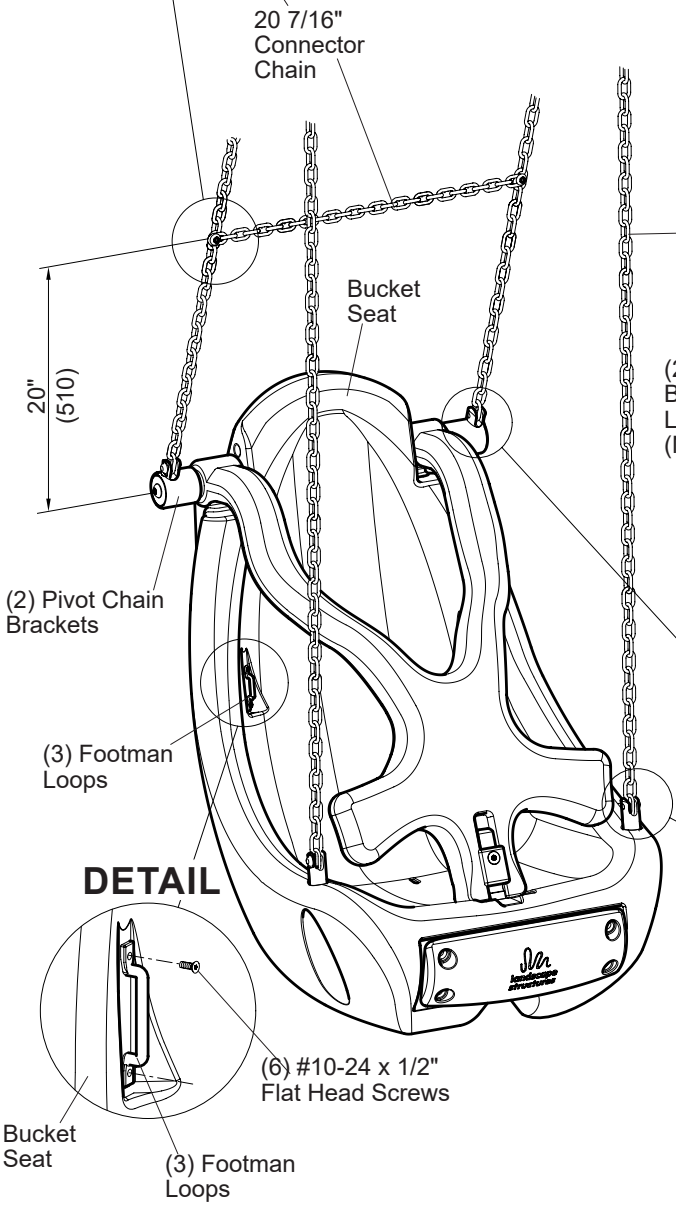
ELEVATION



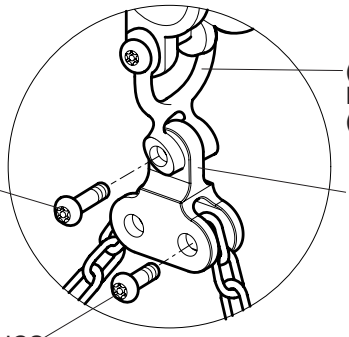
DETAIL

(ProGuard Chain)
(2) 3/8" x 7/8" BHCS w/Pin & 3/8" Hex Jam Nuts
(TenderTuff Chain)
(2) 3/8" x 1 1/8" BHCS w/Pin & 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers

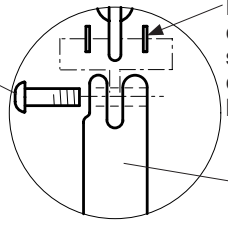




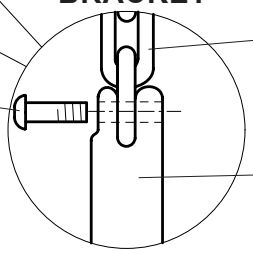
DETAIL
HANGER ASSEMBLY



DETAIL
BRACKET



DETAIL
BRACKET



DETAIL

Swings 218671 Molded Bucket Seat 2-5, w/Harness

601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #22554200

Swings 218671 Molded Bucket Seat 2-5, w/Harness

Parts List

Part#	Description	Qty.
218680	Molded Bucket Seat Assembly, Specify Color	1
	7 Ft. High Beam - ProGuard Finished Chains	
178679	57 7/16” Long, (Front)	2
193869	40 9/16” Long, (Back)	2
175653	20 7/16” Long, (Connector)	1
	8 Ft. High Beam - ProGuard Finished Chains	
174404	67 7/8" Long, (Front)	2
175619	50 15/16" Long, (Back)	2
175653	20 7/16" Long, (Connector)	1
	7 Ft. High Beam - TenderTuff Chains	
178679	57 7/16” Long, (Front), Specify Color	2
179286	40 9/16” Long, (Back), Specify Color	2
174571	20 7/16” Long, (Connector), Specify Color	1
	8 Ft. High Beam - TenderTuff Chains	
152050	67 7/8" Long, (Front), Specify Color	2
174572	50 15/16" Long, (Back), Specify Color	2
174571	20 7/16" Long, (Connector), Specify Color	1
225662	**Molded Seat w/Yoke Hardware Package**	1
100196	3/8" x 7/8" BHCS w/Pin, SST	2
100198	3/8” x 1 1/8" BHCS w/Pin, SST	2
100290	3/8” x 7/8" BHCS w/Pin Limited Thread, SST	8
100327	3/8” Standard Hex Nut, SST	2
100365	3/8” SAE Flat Washer, SST	6
106035	Seat Mounting Bracket	2
112501	Nylon Spacer	8
128296	3/8” Hex Jam Nut, SST	2
207709	Footman Loop, SST	3
160307	Double Pivot Block Assembly	2
162462	#10-24 x 1/2" Flat Head Screw, SST	6

Specifications

Bucket Seat Assy.: **(Bucket Seat & Yoke)** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified. **(Pipebolt)** Made from 1.125" (28,57 mm) O.D. 6005-T5 threaded anodized aluminum tube. **(Bearings)** UHMW PE lubricated. **(Brackets)** Made from 356-T6 aluminum.

Chain/ProGuard: Steel 3/16" (4,74 mm) straight link chain, 800 lb. working load limit. Finish: ProGuard.

Chain/Coated: Steel 3/16" (4,74 mm) straight link chain, 800 lb. working load limit. Finish: TenderTuff, color specified.

Mounting Bracket: Cast from 535 aluminum magnesium.

Bumper Plate: 1/8” (3,17 mm) thick aluminum plate. Finish: ProShield®, black in color.

Bumper: Molded from U.V. stabilized black EPDM rubber encapsulating 11 GA (.120") (3,04 mm) HRPO steel sheet.

Dbl. Pivot Block: Fabricated from 6061-T6 Aluminum with bronze oil impregnated bearing.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: Approx. 1 man hour

Weight: 50 lbs. (w/ProGuard Chains)
53 lbs. (w/TenderTuff Chains)

Installation Instructions

1) Insert seat mounting brackets into molded-in holes in front of bucket seat and attach ends of chain, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

2) Attach ends of chain to pivot chain brackets, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

3) Attach chains to double pivot blocks, using 3/8" x 7/8" BHCS w/pin limited thread.

4) **(Swing Hangers with Double Clevis)** Attach chains to swing hanger double clevis, using 3/8" x 1 1/4" BHCS w/pin limited thread.

   (Anti-wrap Swing Hangers) Attach chains to anti-wrap swing hanger clevis, using 3/8" x 7/8" BHCS w/pin limited thread.

5) **(ProGuard Chain)** Attach connector chain to back swing chains at dimension shown, using 3/8” x 7/8" BHCS w/pin & 3/8” jam nuts. Refer to Detail.

   (TenderTuff Chain) Attach connector chain to back swing chains at dimension shown, using 3/8” x 1 1/8" BHCS w/pin & 3/8” standard hex nuts with 3/8” SAE Flat Washers. Refer to Detail.

6) Attach footman loops, using #10-24 x 1/2" flat head screws, as shown. Footman loops are used for seat belts (not included).

7) Attach bumper plate and bumper to front of swing seat, using 3/8” x 7/8" BHCS w/pin with 3/8” SAE Flat Washers.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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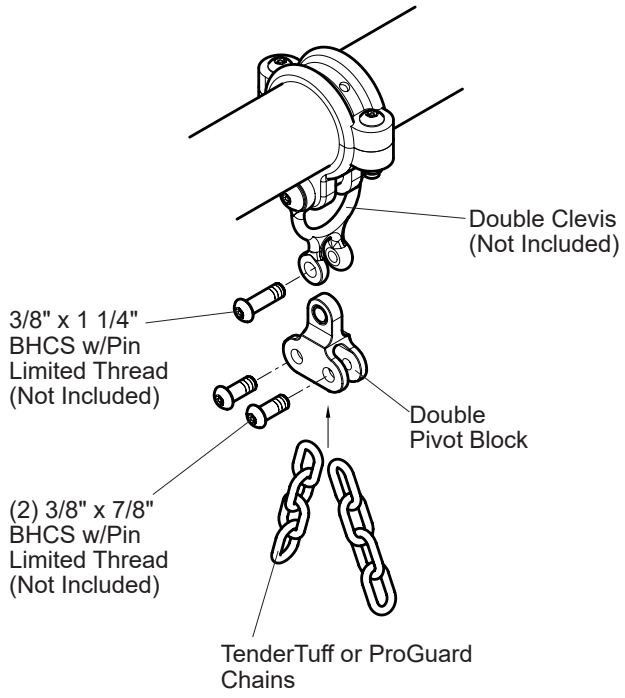
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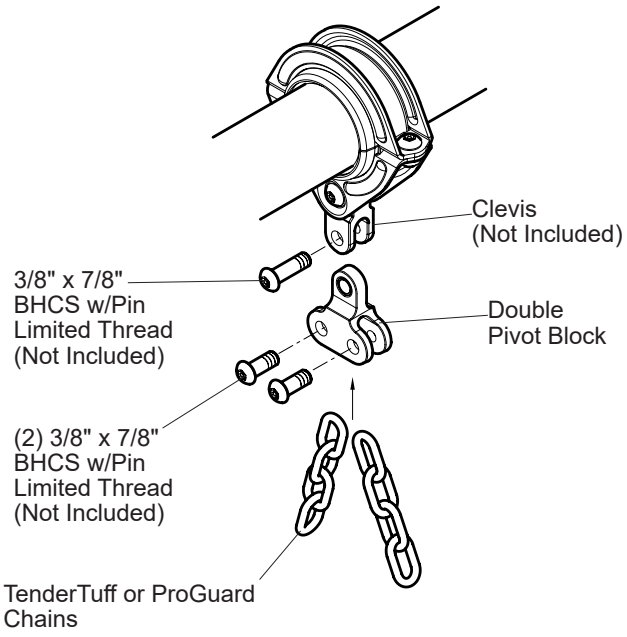
SAFETY NOTE

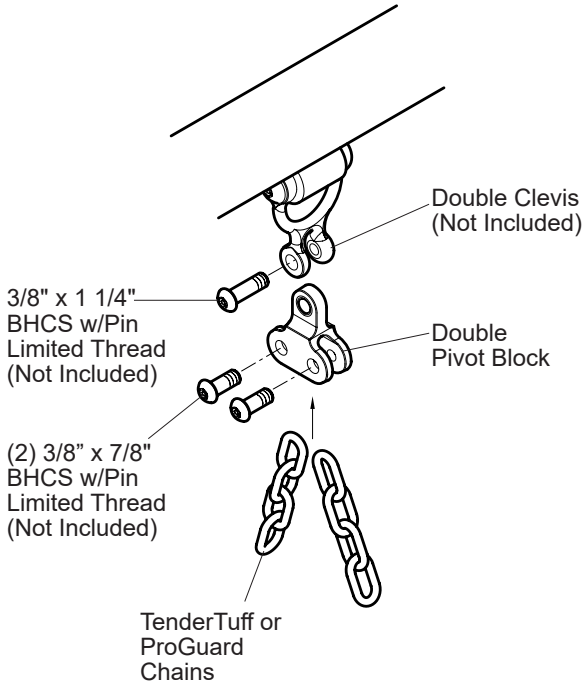
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

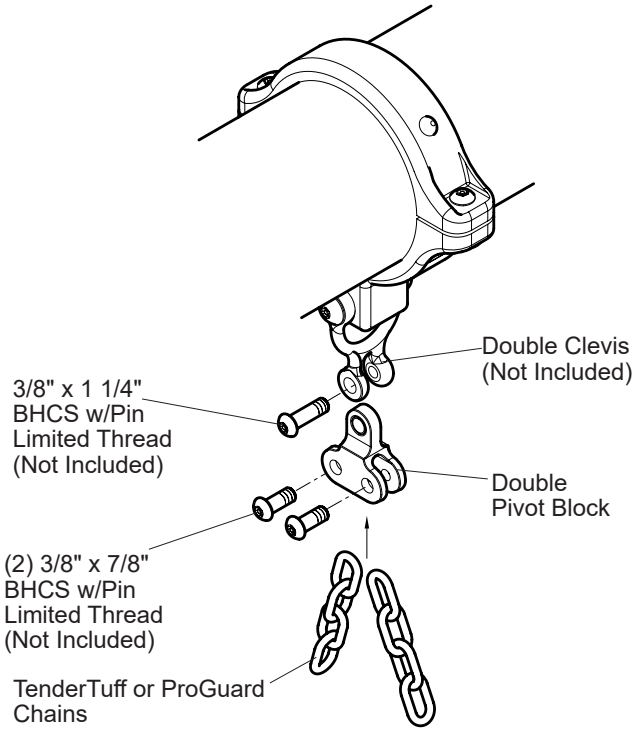
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SWING HANGER OPTIONS









Swings **218671 Molded Bucket Seat 2-5, w/Harness**

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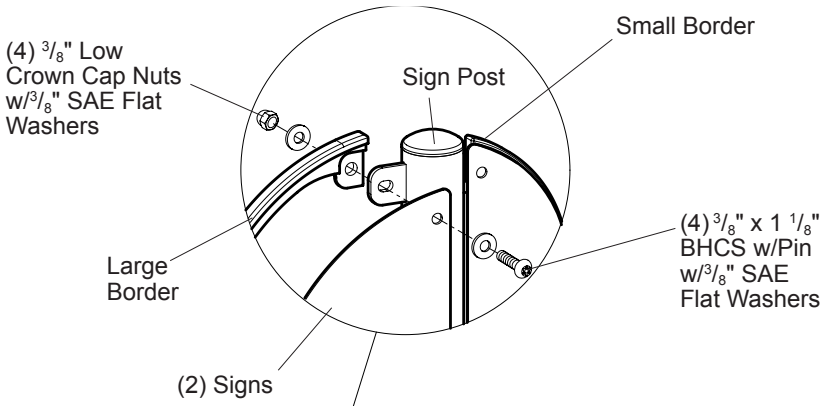
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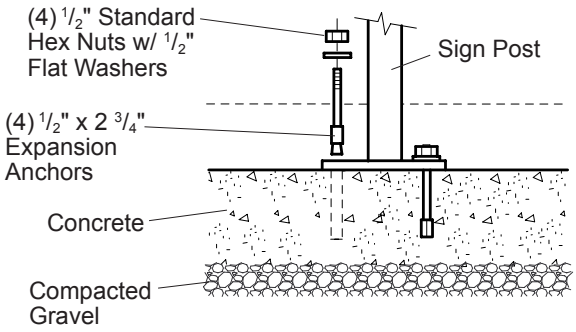
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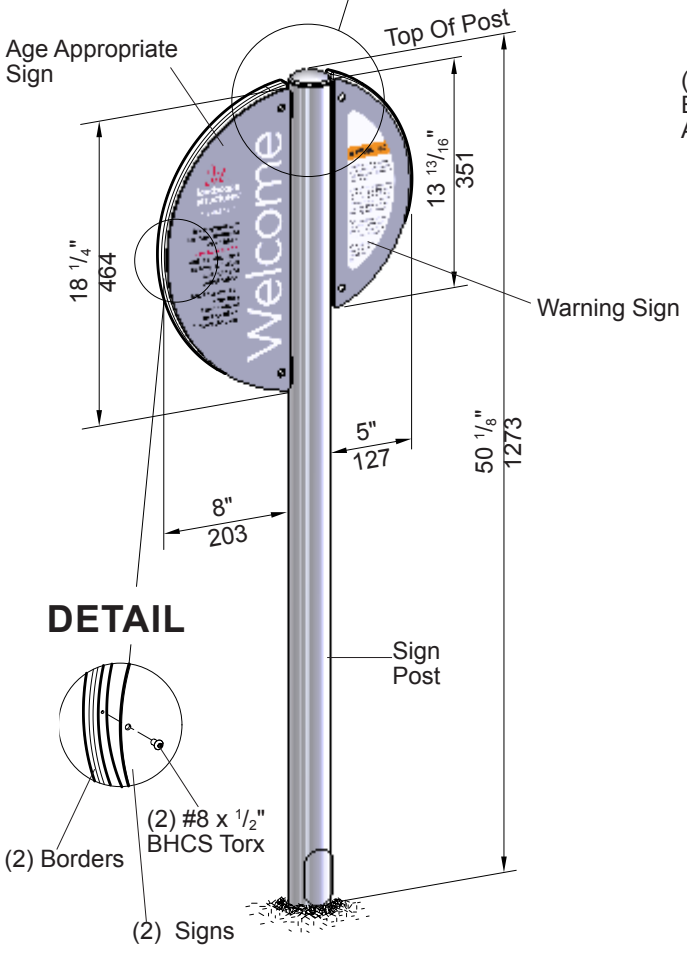
21325600

DETAIL
SIGN ATTACHMENT



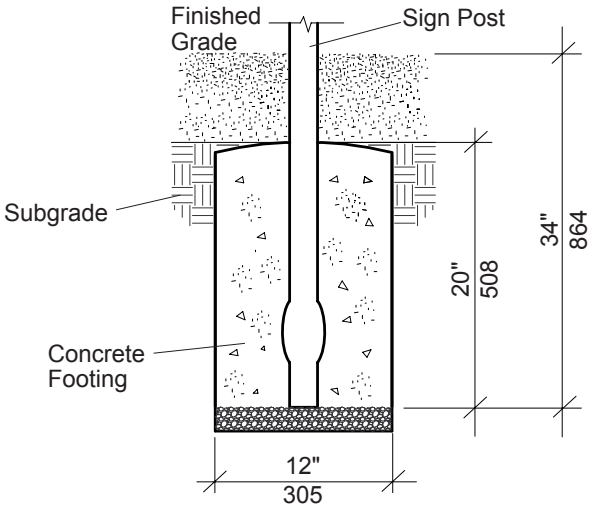
DETAIL
SURFACE MOUNT





DETAIL

DETAIL
DIRECT BURY FOOTING



Model 182503 - Landscape Structures Provided Welcome Sign
Model 182504 - Welcome Sign

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Welcome Sign

Parts List

Part#	Description	Qty.
219911	Warning Sign,Gray	1
219912	Age Appropriate Sign, 2-12 Years, Gray	*
219913	Age Appropriate Sign, 2-5 Years, Gray	*
219914	Age Appropriate Sign, 5-12 Years, Gray	*
219915	Age Appropriate Sign, 1 1/2-5 Years, Gray	*
219916	Age Appropriate Sign, 1 1/2-12 Years, Gray	*
219918	Age Appropriate Sign, 6-23 Months, Gray	*
180598	Sign Post (DB), Specify Color	*
181119	Sign Post (SM), Specify Color	*
193782	Large Border, Black	1
193783	Small Border, Black	1
213258	**Age/Warning Sign Hardware Package**	1
100198	3/8" x 1 1/8" BHCS w/Pin, SST	4
100349	3/8" Low Crown Cap Nut, SST	4
100365	3/8" SAE Flat Washer, SST	8
168323	#8 x 1/2" BHCS Torx, SST	2
169413	1/4-6 Lobe T-15 Tamp. Bit	1
121348	**4 Hole (SM) Hardware Package**	1
100266	1/2" x 2 3/4" Expansion Anchor	4
100322	1/2" Standard Hex Nut, SST	4
100363	1/2" Flat Washer, SST	4

DB = Direct Bury
SM = Surface Mount
*** = Quantity Determined By Your Order**

Specifications

Sign Panel: Panel is fabricated from $^{1}/_{8}$" (.125")(3,17 mm) aluminum plate. Finish: ProShield®, gray in color. **(Sign)** Digital image is transfered to a $^{1}/_{8}$" (.125")(3,17 mm) ProShield coated aluminum plate, then infused into the ProShield.

Border: Permalene, black in color.

Post: Weldment comprised 2.375" (60,33 mm) O.D. RS20 (.095-.105) (2,41 mm-2,67 mm) wall galvanized tube, $^{1}/_{4}$" (6,35 mm) HRPO steel sheet and aluminum post cap. Finish: ProShield, color specified.

Fasteners: Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Installation Time: **(DB)** Approx. 1 man hour
(SM) Approx. $^{1}/_{2}$ man hour
Concrete Req: Approx. 1.31 cu. ft.
Weight: **(DB)** - 24 lbs.
(SM) - 27 lbs.

Installation Instructions

Direct Bury

1) Dig footing hole to depth and diameter shown.
2) Attach sign panels and borders to post as shown, using $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS with $^{3}/_{8}$" SAE flat washers and $^{3}/_{8}$" low crown cap nuts with $^{3}/_{8}$" SAE flat washers. Attach signs to borders using #8 x $^{1}/_{2}$" BHCS Torx.
3) Set sign assembly in footing hole and temporarily brace in plumb position.
4) Pour concrete footing. After concrete has cured, remove bracing.

Surface Mount

1) Attach sign panels and borders to post as shown, using $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS with $^{3}/_{8}$" SAE flat washers and $^{3}/_{8}$" low crown cap nuts with $^{3}/_{8}$" SAE flat washers. Attach signs to borders using #8 x $^{1}/_{2}$" BHCS Torx.
2) With sign in proper position, using a $^{1}/_{2}$" masonry bit and hammer drill, drill 3" deep holes into concrete slab through holes in post plate. Tap $^{1}/_{2}$" x 2 $^{3}/_{4}$" expansion anchors into holes and secure using $^{1}/_{2}$" standard hex nuts with $^{1}/_{2}$" flat washers.

Specifications are subject to change without notice.

ECO 0100730 Document 22074200 replaces 21325600. Replaced signs.

Gas Station with 2 Pumps

NRO513



Item no. NRO513-1021	
General Product Information	
Dimensions LxWxH	6'7"x2'8"x7'3"
Age group	2 - 5
Play capacity (users)	2
Color options	





This Gas station with Two Pumps is great for any tricycle or transportation track. Children love to role play around the themes of driving and traffic, and this provides great imaginative support for the child. This unit will add attraction and play time. The pumps are elaborate with a rubber tube and red, green, and yellow buttons for choosing the right octane strength. The variety of materials stimulates the fine motor skills and tactile sense, especially for the youngest players. The dramatic play around traffic and gas stations stimulates the child's language development in evoking storytelling and imagination.

Data is subject to change without prior notice.

Gas Station with 2 Pumps

NRO513



Theme
Cognitive: suggests a theme and supports dramatic play, which stimulates language and communication skills.





Two pumps
Social-Emotional: the two pumps invite cooperation and co-creation, on and between both sides. The transparency makes interaction possible between the two sides.



Fuel handle
Social-Emotional: cooperation skills and turn-taking are supported when fueling vehicles for friends. **Cognitive:** dramatic play stimulates language development.

Data is subject to change without prior notice.

Gas Station with 2 Pumps

NRO513



All Organic Robinia products by KOMPAN are made of Robinia wood from sustainable European sources. On request it can be supplied as FSC® Certified (FSC® C004450).



The paint used for coloured components is water based environmentally friendly with excellent UV resistance. The paint is in compliance with EN 71 Part 3.



Ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.



Robinia products are available in three different wood treatment options: Untreated Robinia wood or brown painted with a pigment that maintains the wood color and colored version with paint of selected components.

Item no. NRO513-1021

Installation Information	
Max. fall height	0'0"
Safety surfacing area	0ft²
Total installation time	4.2
Excavation volume	0.52yd³
Concrete volume	0yd³
Footing depth (standard)	3'3"
Shipment weight	558lbs
Anchoring options	In-ground ✔

Warranty Information	
Robinia Wood	10 Years
Spare Parts Availability	10 Years
Stainless steel components	Lifetime

Elevated activities **0**	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	**0**	**1**	**1**
Required	**0**	**1**	**1**

Data is subject to change without prior notice.

Sustainability Data

NRO513



Cradle to Gate A1-A3	Total CO_2 emission	CO_2e/kg	Recycled materials
	kg CO_2e	kg CO_2e/kg	%
NRO513-1021	43.37	0.20	1.32

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

Kompan A/S
C.F. Tietgens Boulevard 32C
DK-5220 Odense SØ
Denmark

Validation of CO_2 calculation method
BUREAU VERITAS
HSE Denmark A/S

Verification of CO_2 calculation of: Nature play



Data version no. 2023-10-05

The CO_2 calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Nature play" represented by item no.: NRO409-0621.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO_2 calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

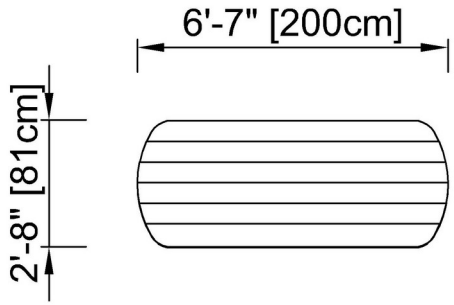
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Gas Station with 2 Pumps

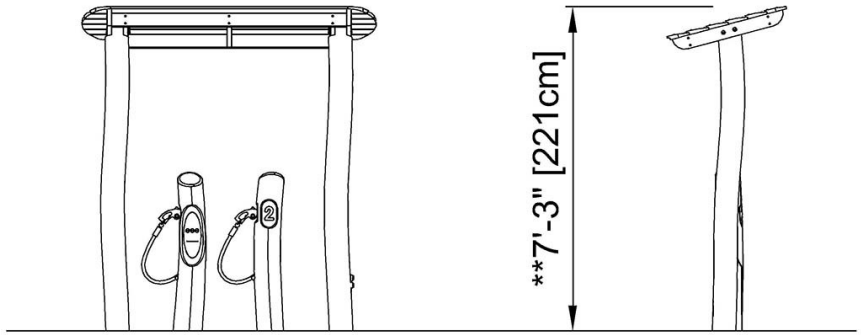
NRO513

* Max fall height | ** Total height | *** Safety surfacing area



NRO513
**7'-3" / 221cm

* Max fall height | ** Total height



NRO513

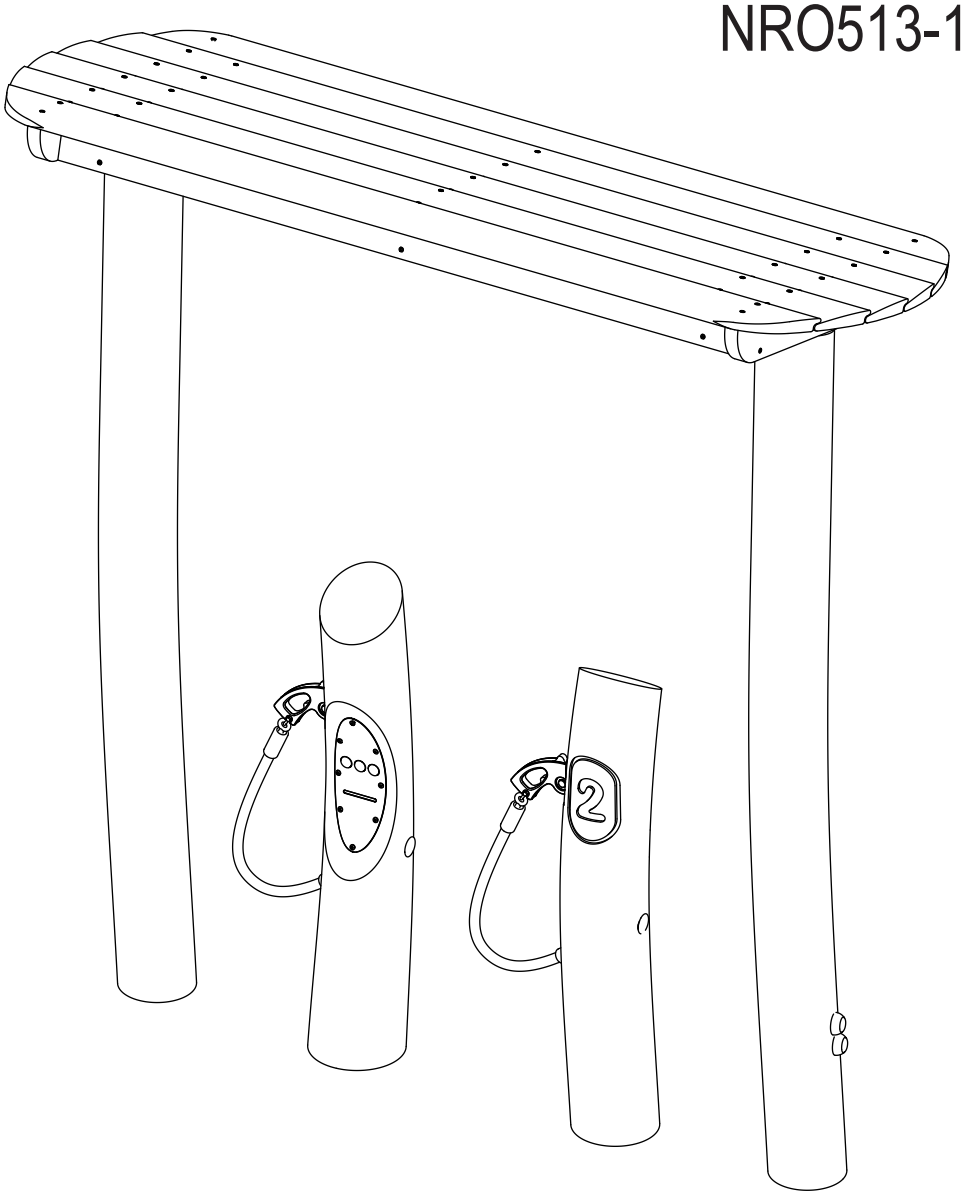
Click to see TOP VIEW

Click to see SIDE VIEW

Data is subject to change without prior notice.

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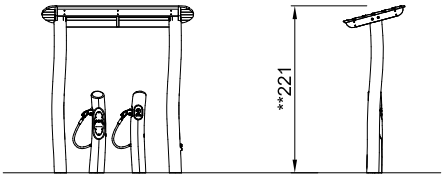
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NRO513-1021
NRO513-1031
NRO513-1032



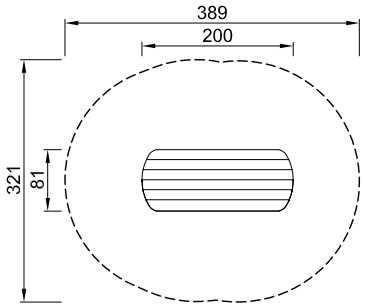
VNRO513 20150924 PetrJu

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Safety zone in accordance with EN 1176/AS4685
Sicherheitsabstand gemäß EN 1176/AS4685
Espace d'évolution selon EN 1176/AS4685
Zona de seguridad según EN 1176/AS4685
Distanze di sicurezza in conformità con lo standard EN 1176/AS4685
Veiligheidsgebied in overeenstemming met EN 1176/AS4685
Säkerhetsområde enl EN 1176/AS4685
Sikkerhedsareal iht. EN 1176/AS4685
Зона безопасности в соответствии с EN 1176/AS4685
EN1176/AS4685-normin mukainen turva-alue



NRO513
1:100



NRO513
**221cm
***10.1m²
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus

All measurements are in cm
Alle Maßangaben in cm
Toutes les dimensions sont indiquées en cm
Todas las medidas están indicadas en cm
Tutte le misure sono in cm
Alle afmetingen zijn in cm
Alla mått är angivna i cm
Alle mål er angivet i cm
Все измерения в см.
Kaikki ohjeessa mainitut mitat ovat senttimetrejä.

Please note: The safety zone shown on this drawing is in accordance with EN 1176/AS4685. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht EN 1176/AS4685. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à EN 1176/AS4685. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con EN 1176/AS4685. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti EN 1176/AS4685. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met EN 1176/AS4685. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer EN 1176/AS4685. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

Obs.: Det viste sikkerhedsareal er i overensstemmelse med EN 1176/AS4685. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

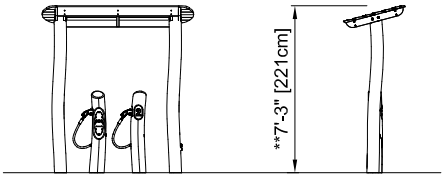
Внимание: Зона безопасности указана в соответствии с EN 1176/AS4685. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176/AS4685-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

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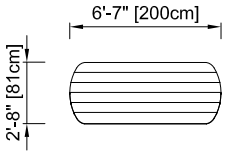
VNRO513 20150924 PetrJu

Safety zone in accordance with ASTM 1487
Sicherheitsabstand gemäß ASTM 1487
Espace d'évolution selon ASTM 1487
Zona de seguridad según ASTM 1487
Distanze di sicurezza in conformità con lo standard ASTM 1487
Veiligheidsgebied in overeenstemming met ASTM 1487
Säkerhetsområde enl ASTM 1487
Sikkerhedsareal iht. ASTM 1487
Зона безопасности в соответствии с ASTM 1487
ASTM 1487-normin mukainen turva-alue



NRO513
1:100

* Free height of fall
Freie Fallhöhe
Hauteur de chute libre
Altura de caída libre
Altezza di caduta libera
Vrije valhoogte
Fri fallhöjd
Fri faldhøjde
Высота свободного падения
Vapaa putoamiskorkeus



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**7'-3" / 221cm
1/8" = 1'-0"

Please note: The safety zone shown on this drawing is in accordance with ASTM 1487. There may be some locations where a larger safety zone is required. If in doubt, please contact your play consultant.

Achtung: Der angegebene Sicherheitsabstand entspricht ASTM 1487. Bestimmte Länder schreiben größere Sicherheitsabstände vor. Bitte wenden Sie sich in Zweifelsfällen an Ihren Berater.

Attention : l'espace d'évolution montré est conforme à ASTM 1487. Dans certains pays, un espace d'évolution plus grand peut être exigé. Prière de contacter notre conseiller en cas de doute.

Observe: La zona de seguridad demostrada en este dibujo cumple con ASTM 1487. En algunos sitios puede ser necesaria una zona de seguridad más grande. En caso de tener alguna duda, por favor póngase en contacto con nuestro consultor.

Attenzione: la distanza di sicurezza specificata è conforme ai requisiti ASTM 1487. In alcuni paesi, le norme locali possono richiedere distanze di sicurezza maggiori. In caso di dubbi, contattare il nostro consulente.

N.B.: het getoonde veiligheidsgebied is in overeenstemming met ASTM 1487. In sommige landen kan een groter veiligheidsgebied vereist zijn. In geval van twijfel onze adviseur raadplegen.

Obs: Det markerade säkerhetsområdet följer ASTM 1487. I vissa länder kan det finnas krav på större säkerhetsområde. Kontakta vänligen vår konsulent om du är osäker.

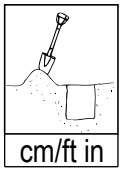
Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с ASTM 1487. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

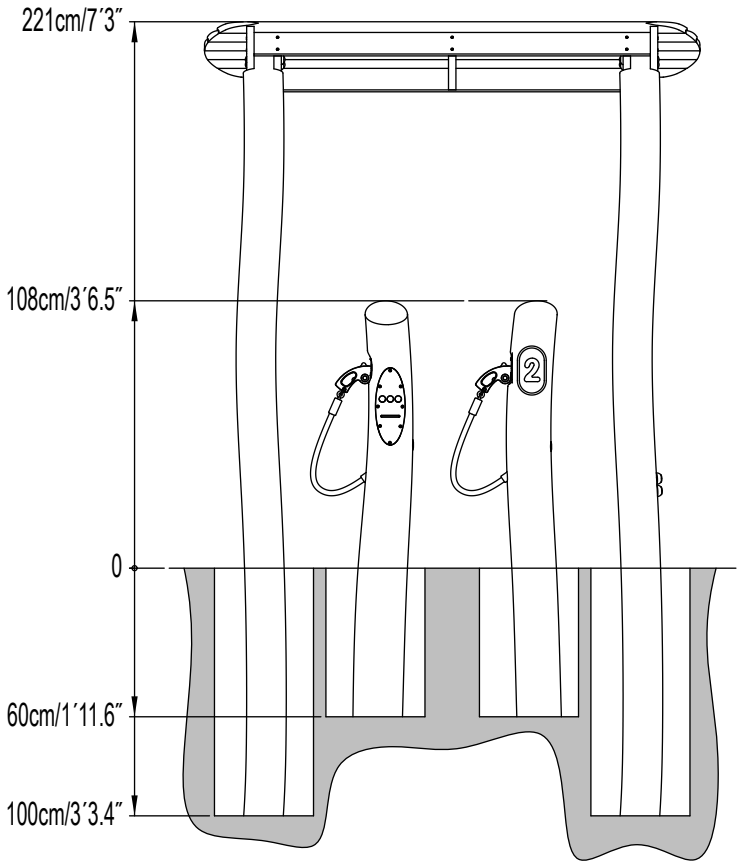
Huom: Tämän piirustuksen turva-alue on ASTM 1487-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

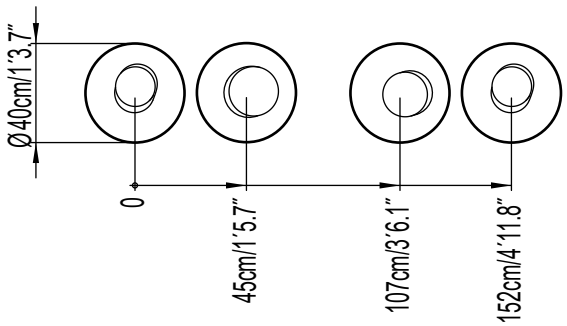
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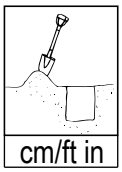
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NRO513-1021
NRO513-1031



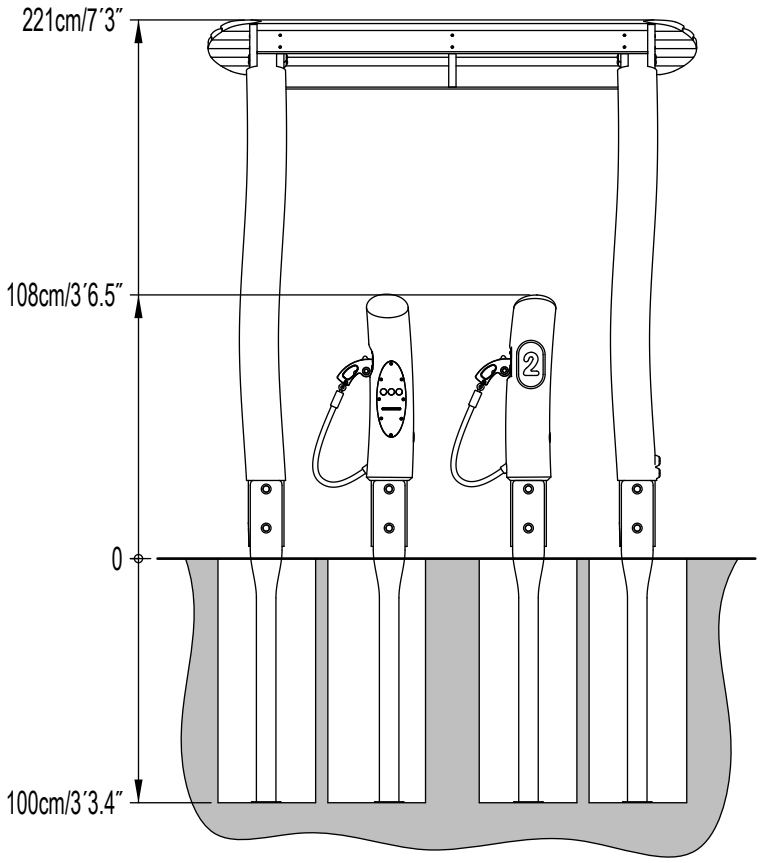


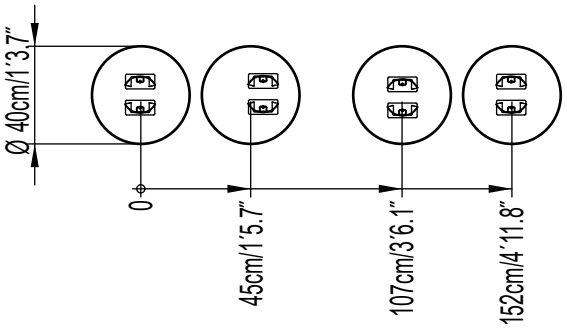
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A



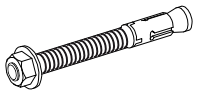
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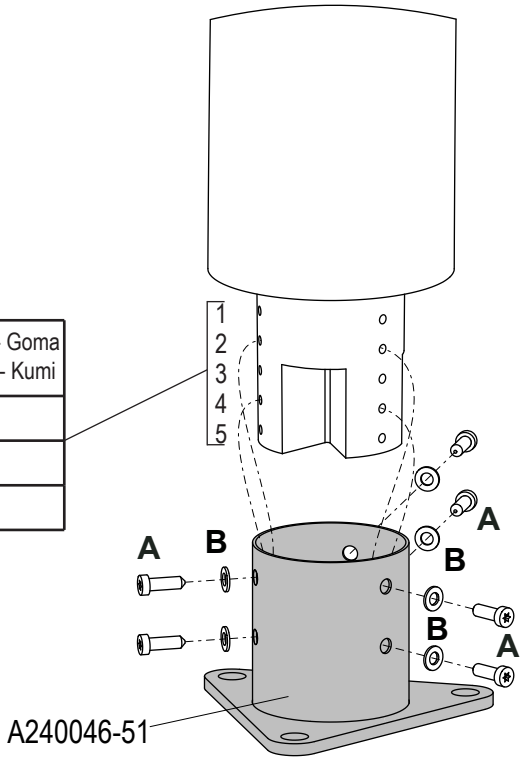
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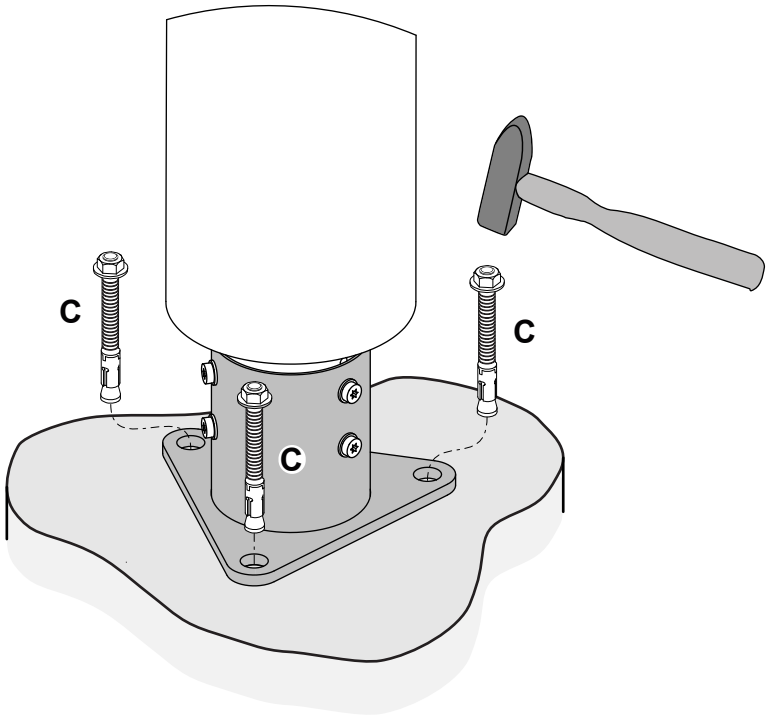


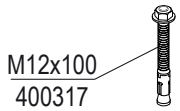
400317

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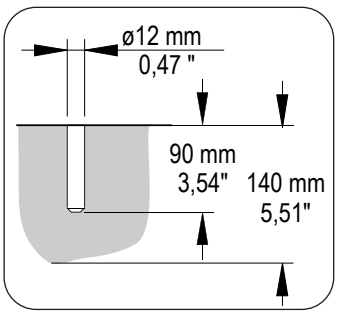
Rubber - Sol couté - Gummi - Goma Borracha - Gomma - Резина - Kumi	
35mm [1.4″]	1,3
55mm [2.2″]	2,4
75mm [3″]	3,5







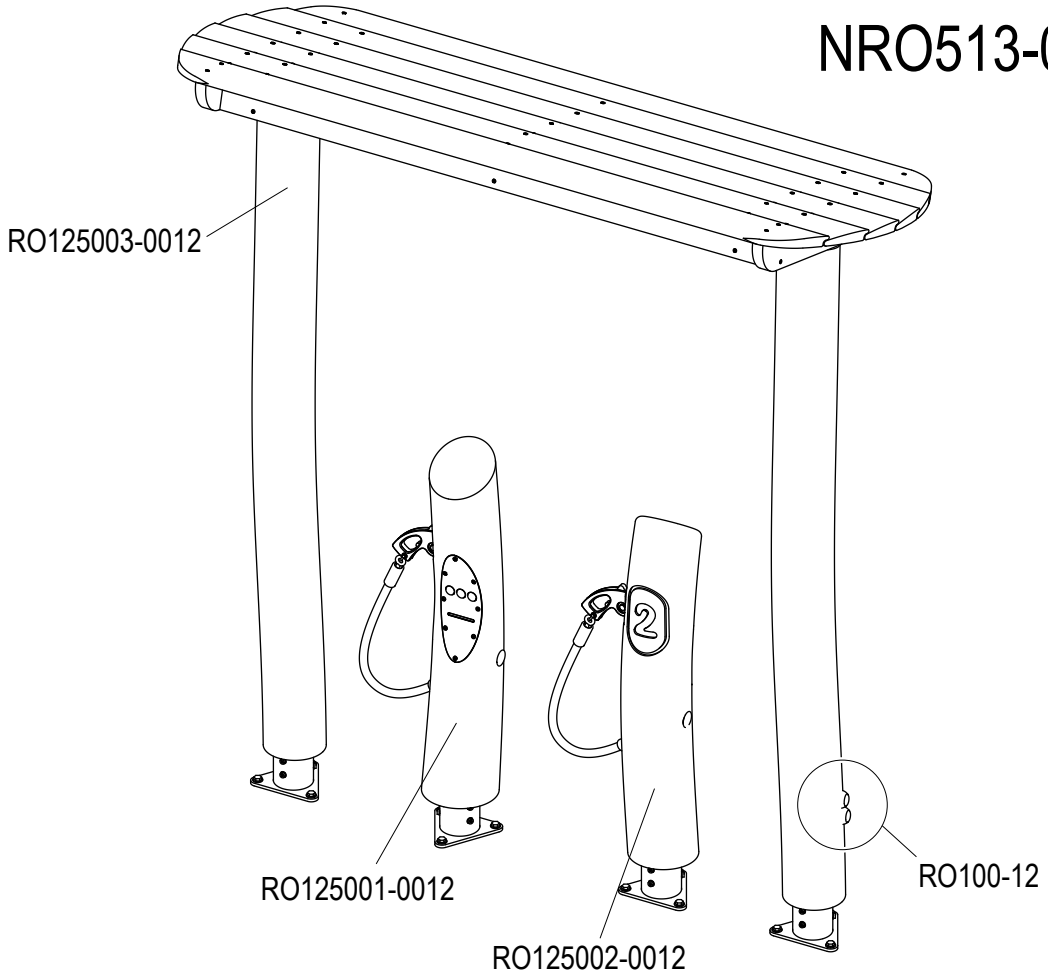
400317 - 12 mm:



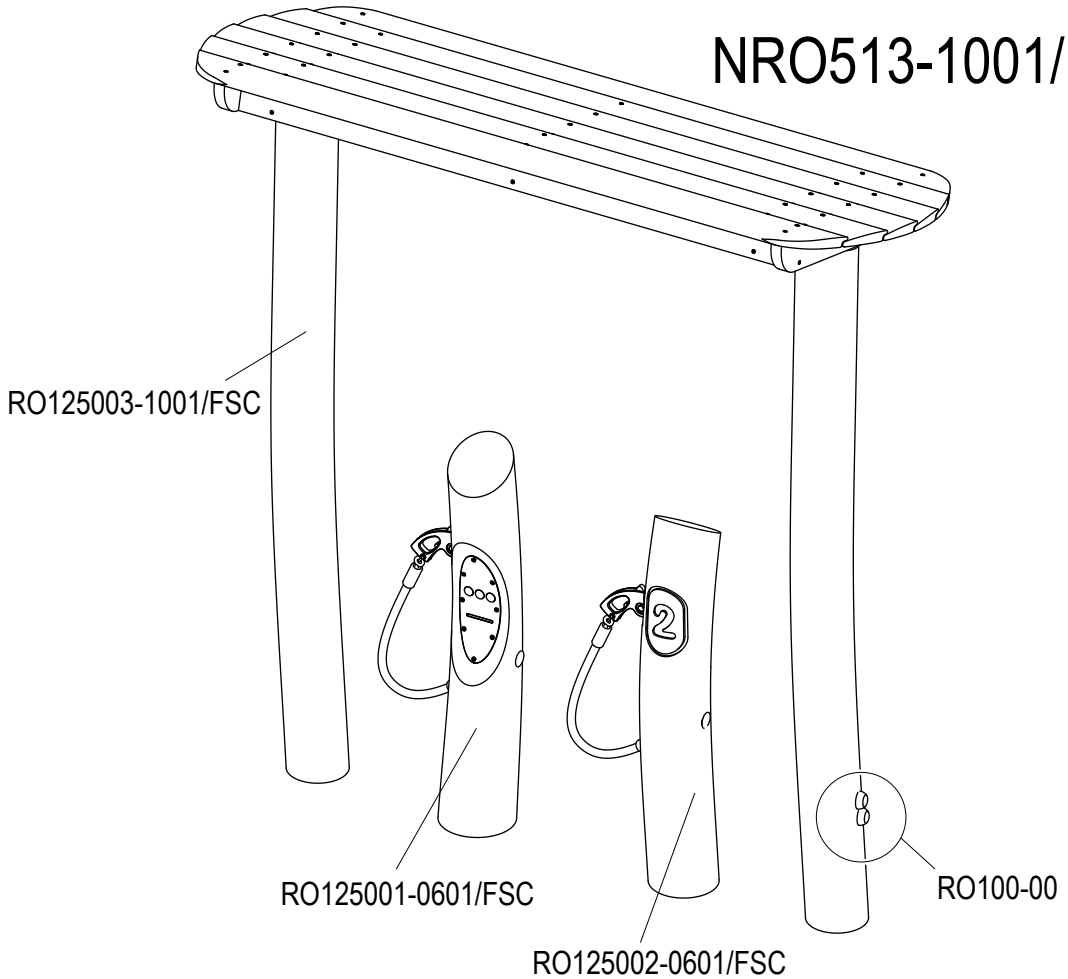
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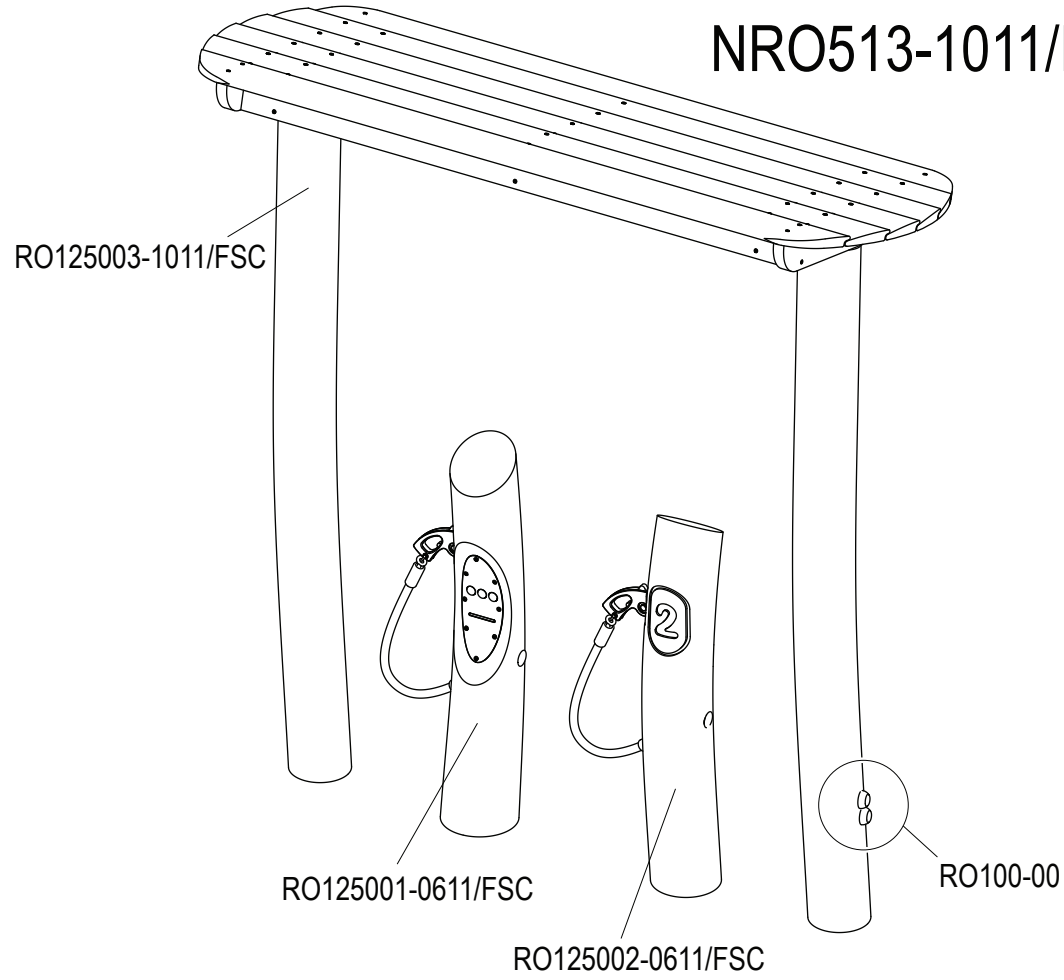
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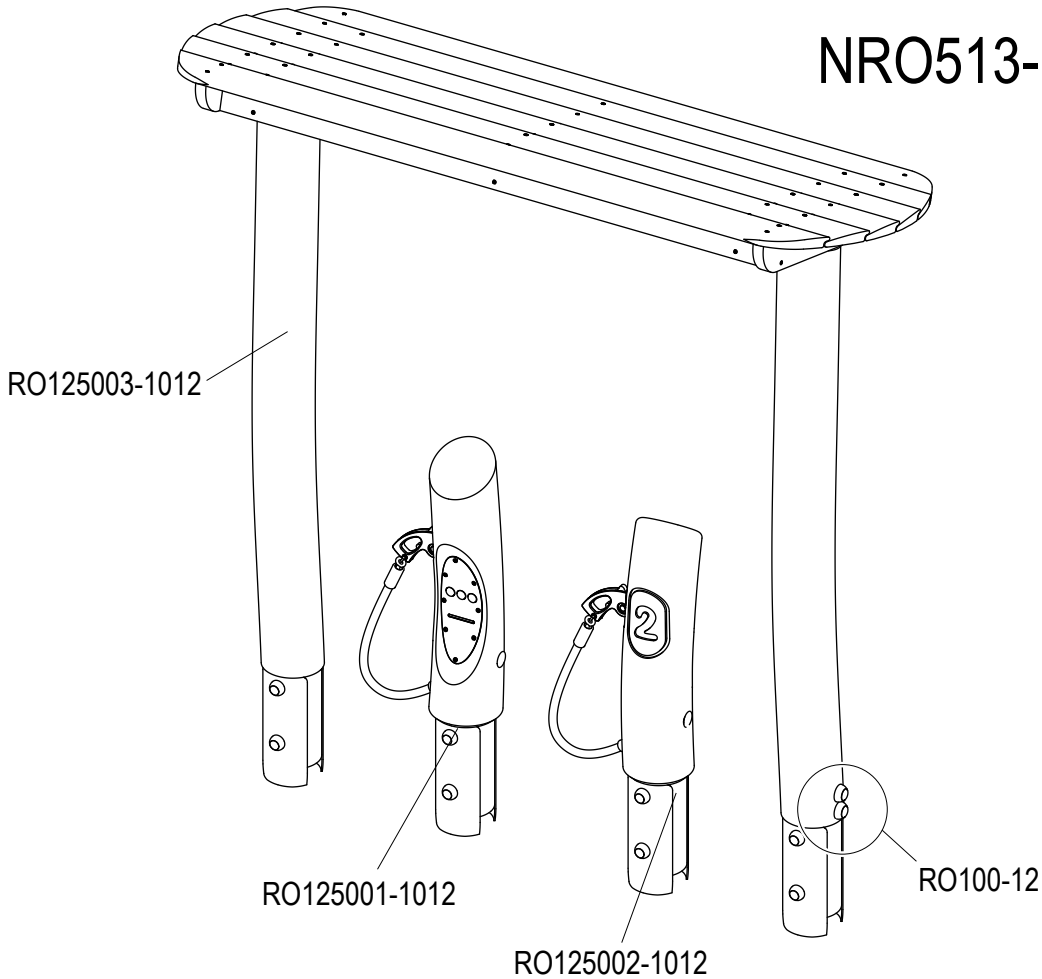
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NRO513-1011/FSC



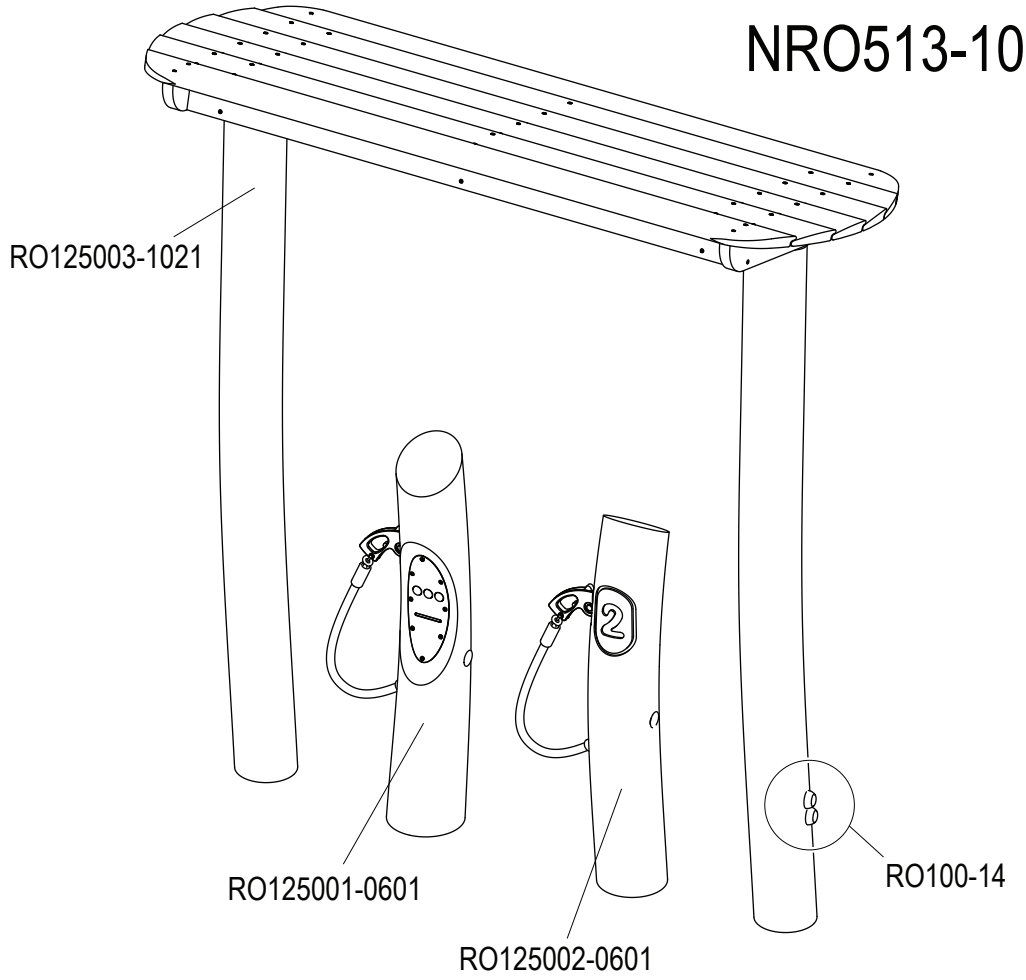
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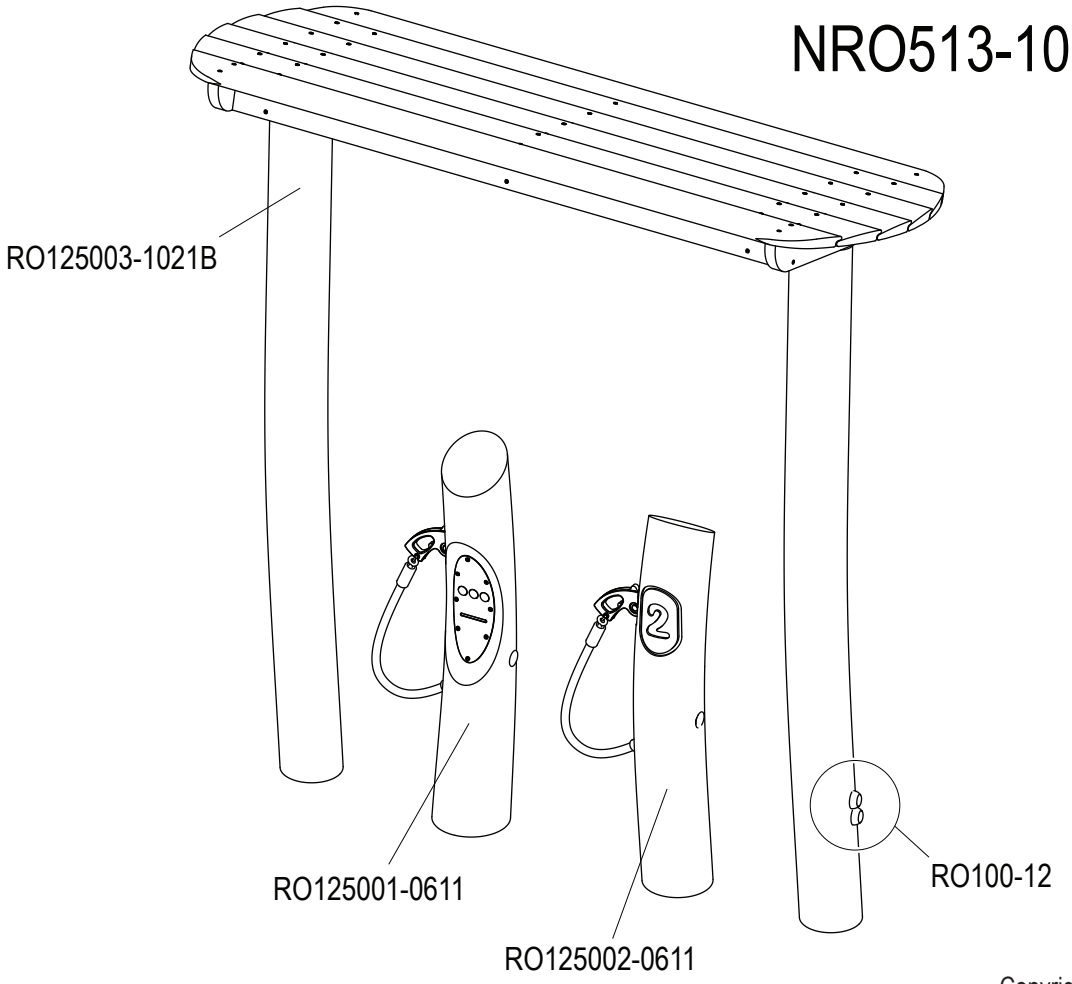
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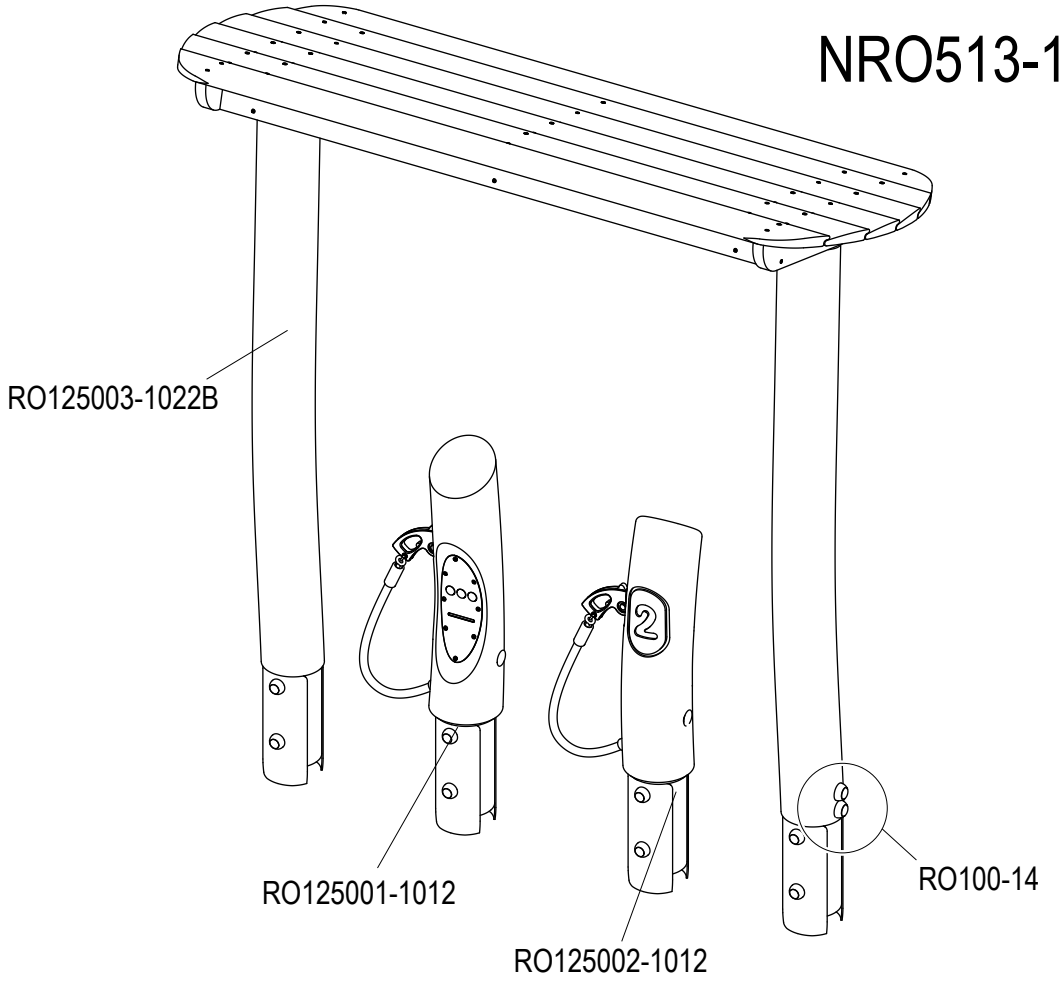
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