Roesling Nakamura Terada Architects

www. rntarchitects.com
285 N Ventura Ave | Ste 102 | Ventura, CA 93001 | P805.626.5330 | F805.626.5350

VENTURA UNIFIED SCHOOL DISTRICT

BID ADDENDUM NO. 1 ISSUED 2/12/2025

TO THE CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS FOR VENTURA UNIFIED SCHOOL DISTRICT

PLAYGROUND REPLACEMENT PROJECT
MONTALVO ELEMENTARY SCHOOL
PROJECT NO. **E6-24**

THE BIDDER SHALL CERTIFY ON THE BID FORM THAT THE INFORMATION CONTAINED IN THIS BID ADDENDUM WAS RECEIVED.

BID DUE DATE: Wednesday, February 19th. 2025 by 1:00 pm

The following additions, modifications, corrections, deletions and clarifications are hereby made to the Contract Documents of the subject Project and constitute **Addendum Number 1**. This Addendum is hereby incorporated into the contract documents by reference.

I. GENERAL INFORMATION

A. Contract Documents

Appendix A – Installation Guide Replacement 237 pages.

II. REVISED SPECIFICATIONS AND DRAWINGS

A. Specifications – All Projects

Item 1. Revised Specifications: **Bold** for additions, ~~strikeout~~ for deletions.

Section 11 68 13 – Playground Equipment and Structures
- Paragraph 2.04 added to indicate Owner-Furnished and Manufacturer-Installed

equipment.

B. Drawings

Item 1 **PLAY EQUIPMENT INSTALLATION UPDATE** – 1st-5th Quantis 8.2 with Alpine Slide (model #CP020428), Item E-10 on sheet LC-0.01 to be Owner-Furnished and Manufacturer-Installed
LC-0.01

Item 2 **PLANTING UPDATES** – Tree species updated.
LD-0.01, LP-0.01

Item 3 **DRAIN UTILITY UPDATES** – Existing storm drain line identified, to be replaced.
LD-1.01, LC-0.01, LC-1.01

Item 4 **EXISTING IRRIGATION CONTROLLER ENCLOSURE MODIFICATION** – Include work to modify existing irrigation controller enclosure.
A-1.03, LD-1.01, LC-0.02, LC-1.01, LC-2.01, LC-3.01

Item 5 **ADDITIONAL HARDSCAPE** – Asphalt around 1-5 play area.
LD-1.02, LD-1.03, LC-0.03, LC-0.04, LC-1.02, LC-1.03, LC-2.02, LC-2.03

Item 6 **GRADING UPDATES, CONCRETE CURB AND SEAT WALL MODIFICATIONS** – Updated grade elevations. Updated seat wall width and configuration, Reduced seat wall lengths at 1-5 play replaced with raised curb. New raised curb in TK-K play.
LC-0.01, LC-0.03, LC-0.04, LC-1.01, LC-1.02, LC-1.03, LC-2.02, LC-2.03, LC-3.02, LC-4.01, LC-4.02, LP-0.01, LP-1.02, LP-1.03

Item 7 **PLAY EQUIPMENT POSITION UPDATES** – Adjustments due to Item 6 revisions.
LC-0.03, LC-0.04,LC-2.01, LC-2.02, LC-2.03

---- REVISED DOCUMENTS ATTACHED. ----

END OF **BID ADDENDUM NO. 1** ISSUED 2/12/2025

III. RESPONSES TO REQUESTS FOR INFORMATION

No.	QUESTION	RESPONSE	RESPONSE BY
1	During the job walk, it was verbally communicated amongst the	1st-5th Quantis 8.2 with Alpine Slide (model #CP020428), Item E-10 on sheet	PCLD

	attendees that some the of the playground equipment would be furnished and installed by the Owner's vendor. Please confirm, clarify, and/or define this scope.	LC-0.01 of the contract plans shall be owner furnished and manufacturer installed, as reflected in the Bid Addenda plans.	
2	The bid documents do not contain any construction details for the concrete footings. The plans provide a table/legend and the Appendix A only provide a generic drawing with no specific information. Please provide details for all concrete footings for all of the playground equipment and signage.	Appendix A includes manufacturer installation instructions and DSA-PC details for direct bury concrete footings for each piece of play equipment. Specification section 11 68 13 Playground Equipment and Structures, 1.07 states that "Installers must have a current manufacturer's Factory Certification and at least 1 staff member CPSI certified. Installers must have completed projects of this size from the manufacturer in the past 2 years."	PCLD
3	Please provide a hazardous material survey report, if available.	No hazardous material survey report is available for the playground areas of campus.	VUSD
4	Please provide a soils report, if available.	No soils report was prepared for the play equipment project. A soils report prepared for the nearby PV project is available upon request.	VUSD
5	Under section 015000, it defines that the GC will be able to use the school's electricity free of charge. Please clarify if the same applies to water usage.	The District confirms water on site is also available for project use free of charge.	VUSD

PLAY EQUIPMENT INSTALLATION GUIDELINES R1

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

THIS PAGE INTENTIONALLY LEFT BLANK.

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.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

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.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Environmental Statement

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

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.

Montalvo Es Primary

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

Models shown include standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Model Information

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



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

Models shown include standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Model Information

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



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

Models shown include standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Model Information

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



Driver Panel (Permalene®)



Table Panel



Wire Barrier



Wire Barrier 90° Tri-Deck



Chinning/Turning Bar



Grab Bar



Handhold Leg Lift



Playstructure Seat



Sol™ Spinner

Models shown include standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Model Information

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



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.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Model Information

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



Single Post Swing Frame



Single Post Swing Frame Additional Bay



Log Balance Beam

Models shown include standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by:

RecWest OUTDOOR PRODUCTS INC



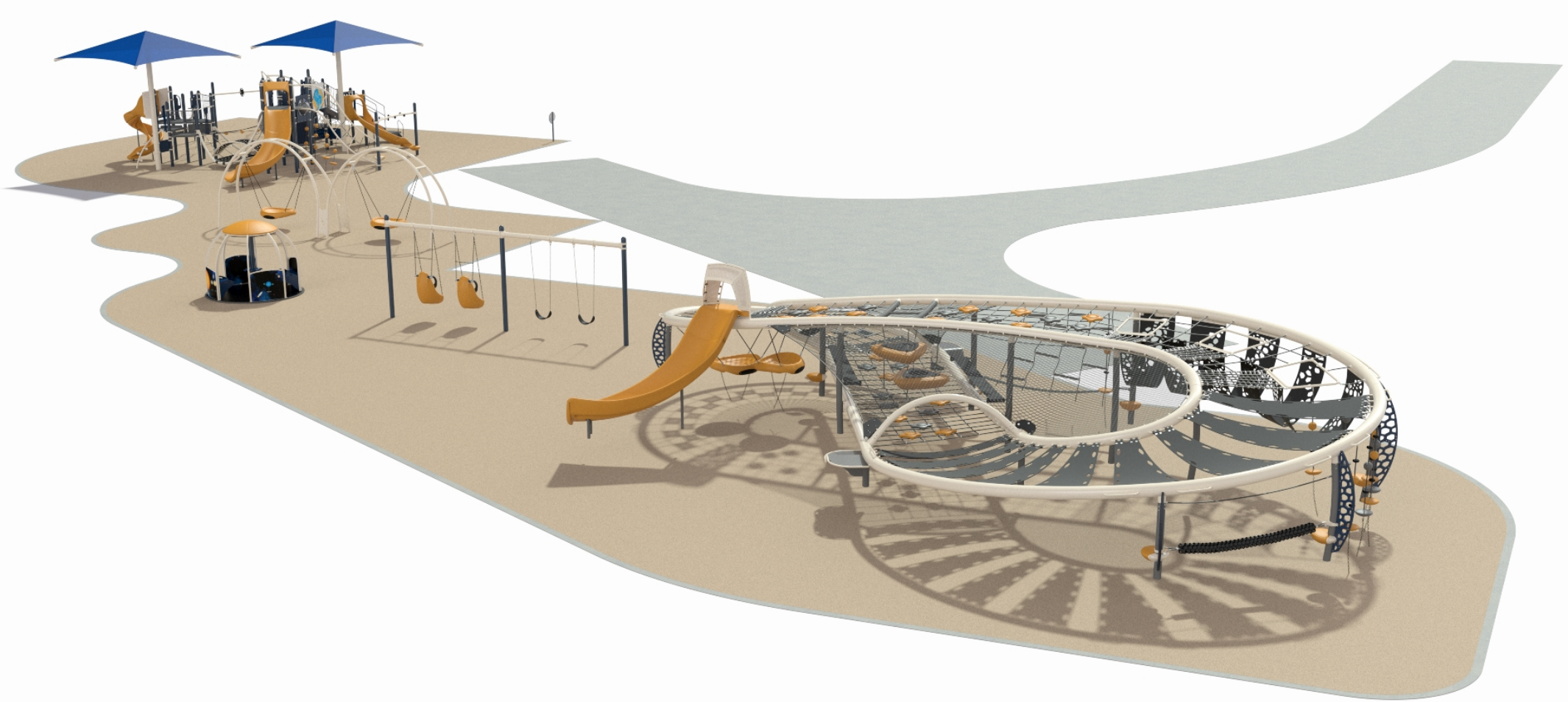
landscape structures

Montalvo Es Primary

1187356-02-04-01 · 01.30.2025

RecWest OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



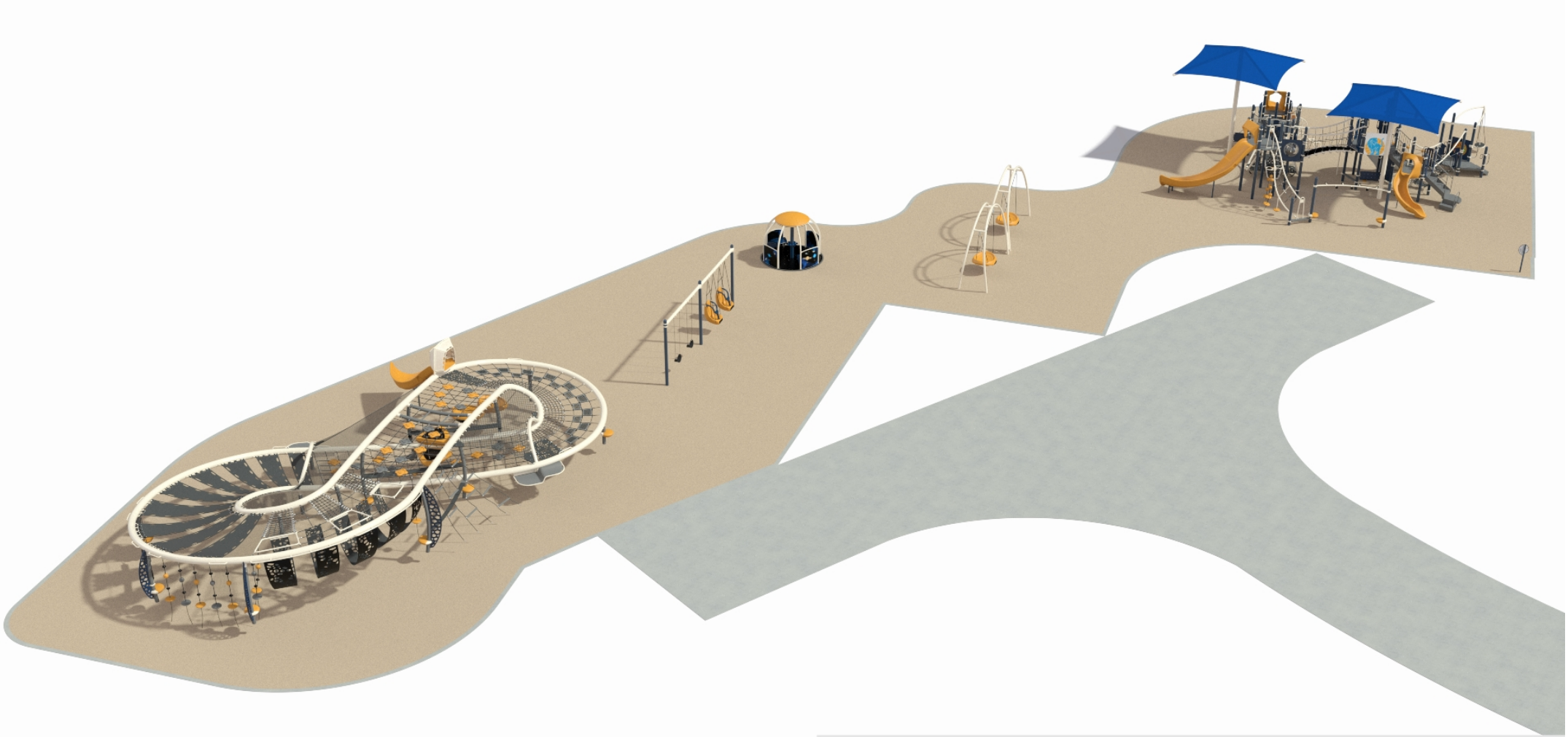
landscape structures

Montalvo Es Primary

1187356-02-04-02 • 01.30.2025

RecWest OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-03 • 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-04 · 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-05 • 01.30.2025

RecWest OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-06 • 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-07 · 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.

ART APPROVAL

landscape structures

PLEASE REVIEW AND APPROVE THE FOLLOWING:

Color, Verbiage, Layout/size, and Overall Graphic.
I verify that I own or otherwise possess all necessary rights with respect to the user-submitted images, and that the user-submitted images do not infringe, misappropriate, use without authorization, disclose without authorization, or otherwise violate any copyright, trademark, trade secret, other intellectual property right, or a property right of any third party.

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



landscape structures

Montalvo Es Primary

1187356-02-04-08-Art Approval · 01.30.2025

RecWest OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.

ART APPROVAL

PLEASE REVIEW AND APPROVE THE FOLLOWING:

Color, Verbiage, Layout/size, and Overall Graphic.
I verify that I own or otherwise possess all necessary rights with respect to the user-submitted images, and that the user-submitted images do not infringe, misappropriate, use without authorization, disclose without authorization, or otherwise violate any copyright, trademark, trade secret, other intellectual property right, or a property right of any third party.

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



Montalvo Es Primary

1187356-02-04-09-Art Approval • 01.30.2025

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-10 • 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.



landscape structures

Montalvo Es Primary

1187356-02-04-11 · 01.30.2025

RecWest
OUTDOOR PRODUCTS INC

©2025 Landscape Structures. All Rights Reserved.

Color Verification Summary

Montalvo Es Primary

1187356-02-04

PlayBooster and Quantis (5-12 years)



Direct Bury Aluminum

AD: Denim/Vanilla/Tangerine/Denim

ProShield® Finish		
Posts/Arches:		**Denim**
Clamps/Ball Connectors:		**Vanilla**
Play Components:		**Vanilla**
Polyethylene		
Slide Hoods/O-Zone®:		**Tangerine**
Slides/Tunnels/Gliders/E-Pods®:		**Tangerine**
Secondary Slides/Tunnels/Gliders/E-Pods®:		**Gray**
Permalene®		
Primary Permalene:		**Recycled Denim w/Black**
Secondary Permalene:		**Recycled Tangerine w/Black**
TenderTuff		
Barriers/Ladders/Benches:		**Gray**
Decks/Step Ladders:		**Gray**
Cables		
Cables:		**Black**
Swings		
Posts:		**Denim**
Beams:		**Vanilla**
Clamps:		**Vanilla**
Molded Bucket Seats:		**Tangerine**
Seat Harness:		**Denim**
Vibe®/SteelX®		
Primary Panels:		**Vanilla**
Shade		
Shade Posts:		**Vanilla**
Upper Sails:		**Blue FR**

Montalvo Es Primary

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.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Color Information

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

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

Color options listed for standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Color Information

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

	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

Color options listed for standard play products only.

Montalvo Es Primary

Color Information

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

	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

Color options listed for standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Color Information

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

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,

Color options listed for standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Color Information

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

	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

Color options listed for standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

Montalvo Es Primary

Color Information

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

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

Color options listed for standard play products only.

For a better tomorrow we play today.®

playlsi.com

Proudly presented by: RecWest OUTDOOR PRODUCTS INC

landscape structures®

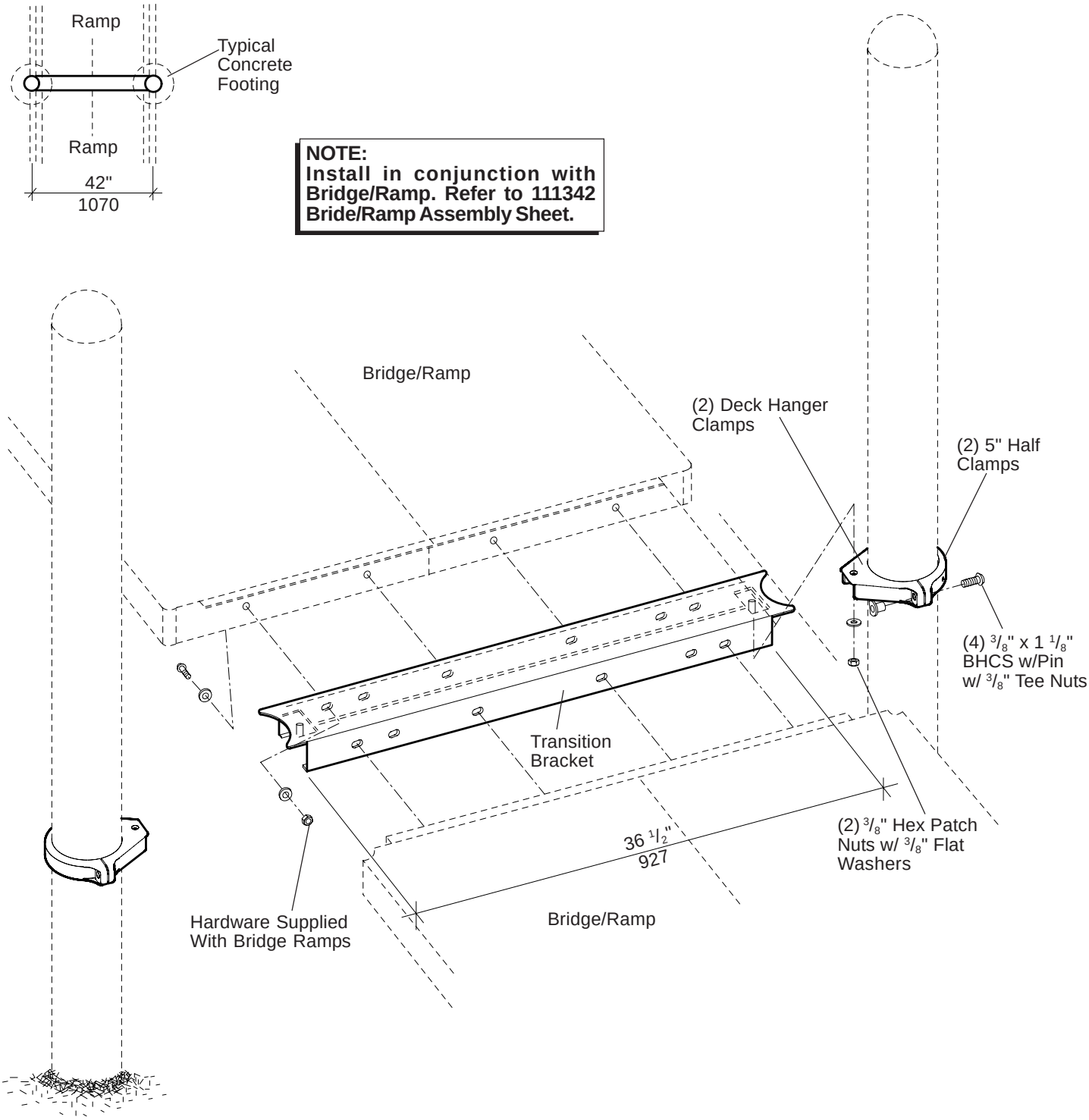
ISO 14001 CERTIFIED

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*.)

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

© 2012 by Landscape Structures. All rights reserved.

PlayBooster® 111345 Transition Bracket

landscape structures®

J:\SPECS\184\18427300.P65

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.

landscape structures®

ISO 14001 CERTIFIED

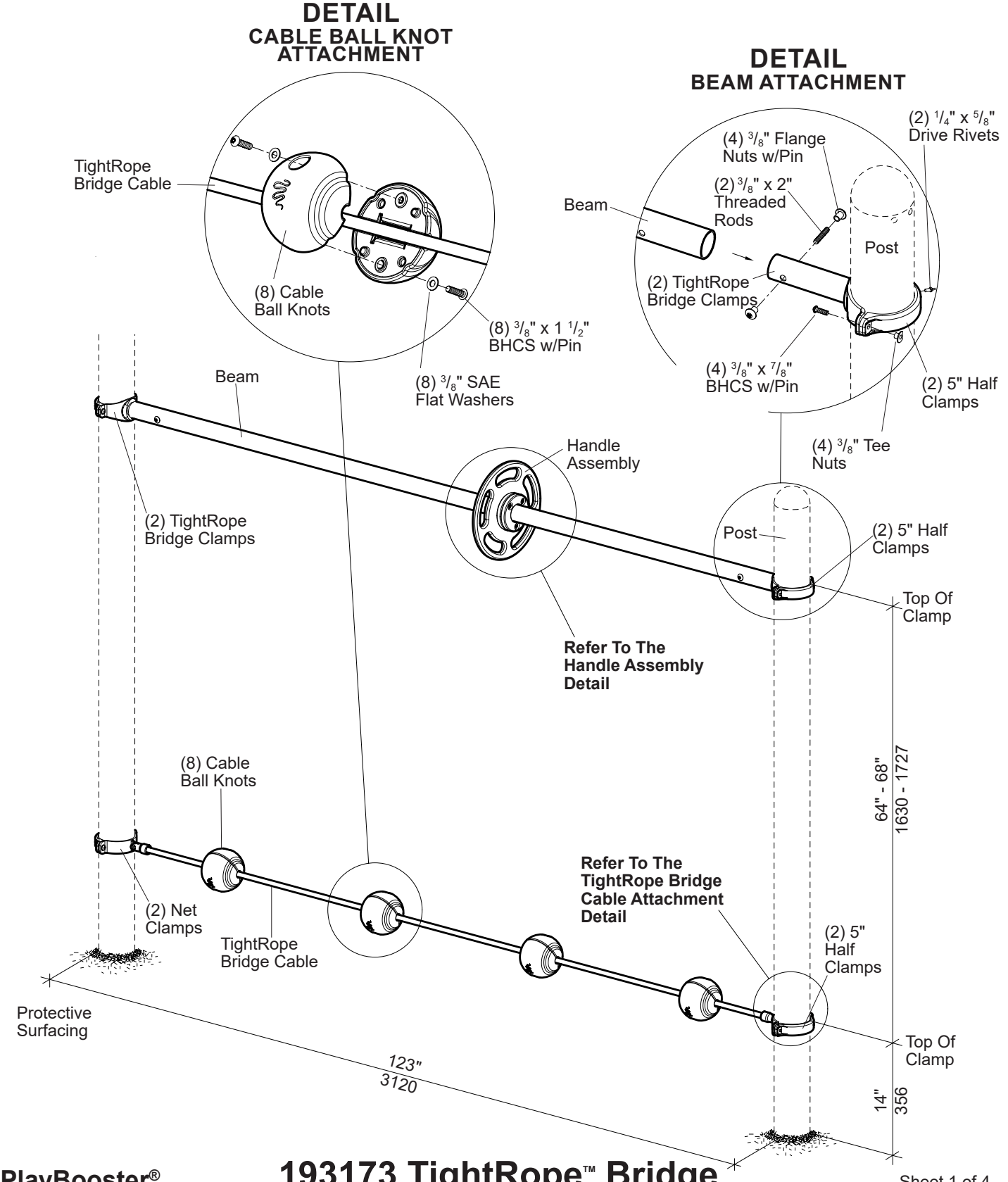
ISO 9001 Certified

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.)

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

© 2022 by Landscape Structures. All rights reserved.

Document #31369500

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

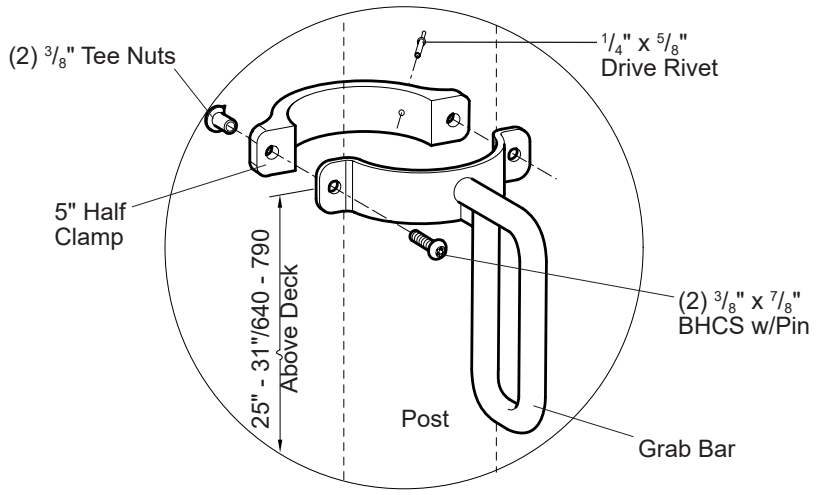
SAFETY NOTE

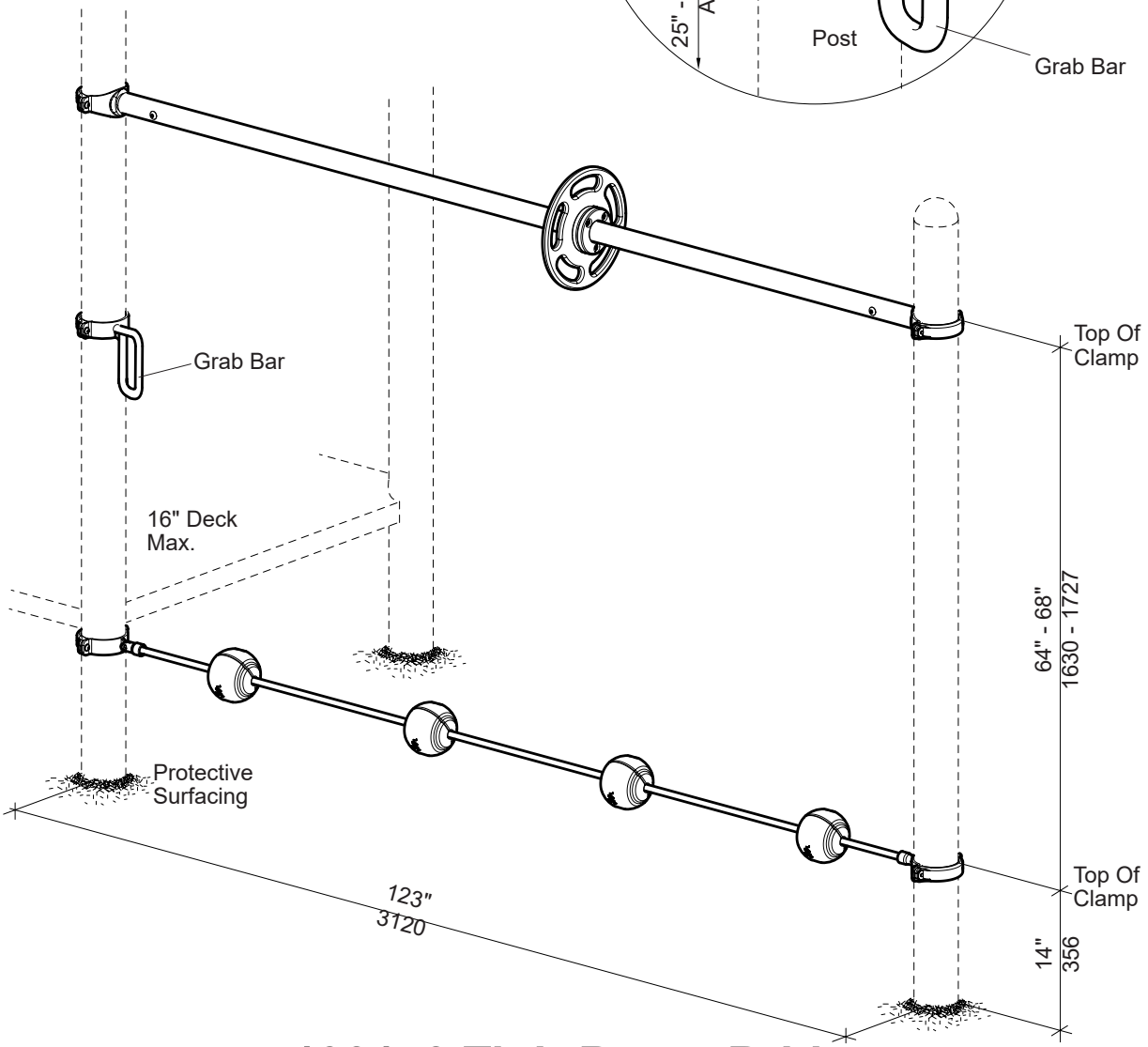
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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

© 2022 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

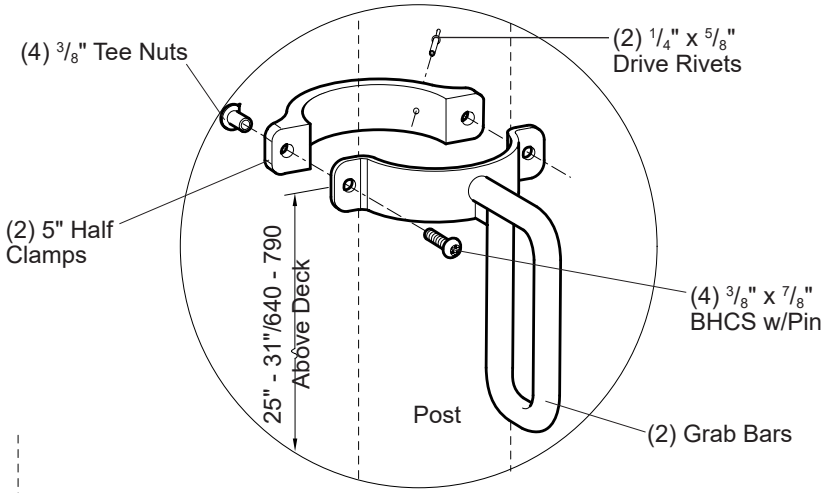
SAFETY NOTE

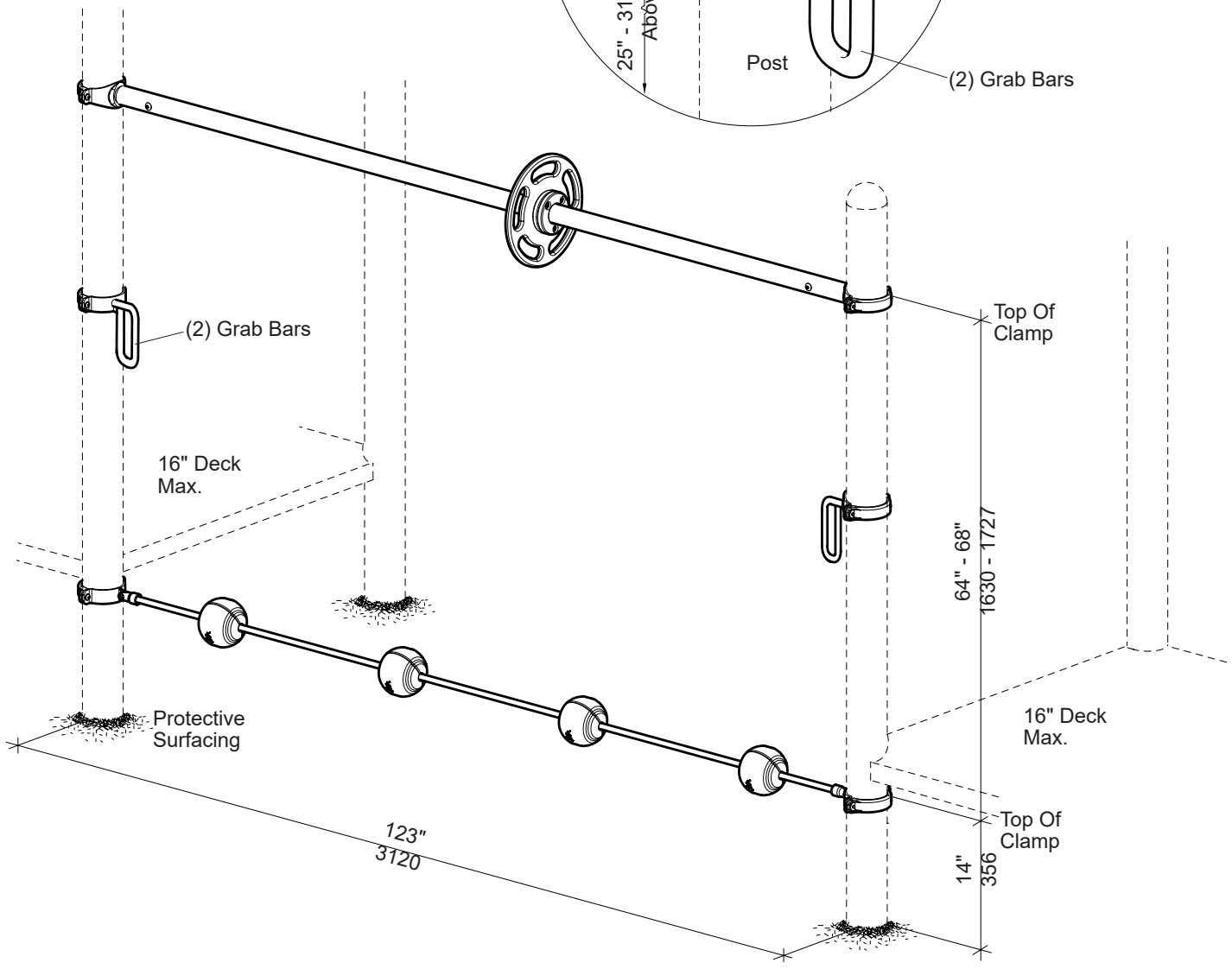
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

194971c

DETAIL
TIGHTROPE BRIDGE - DECK 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

© 2022 by Landscape Structures. All rights reserved.

Document #31369500

landscape structures®

ISO 14001 CERTIFIED

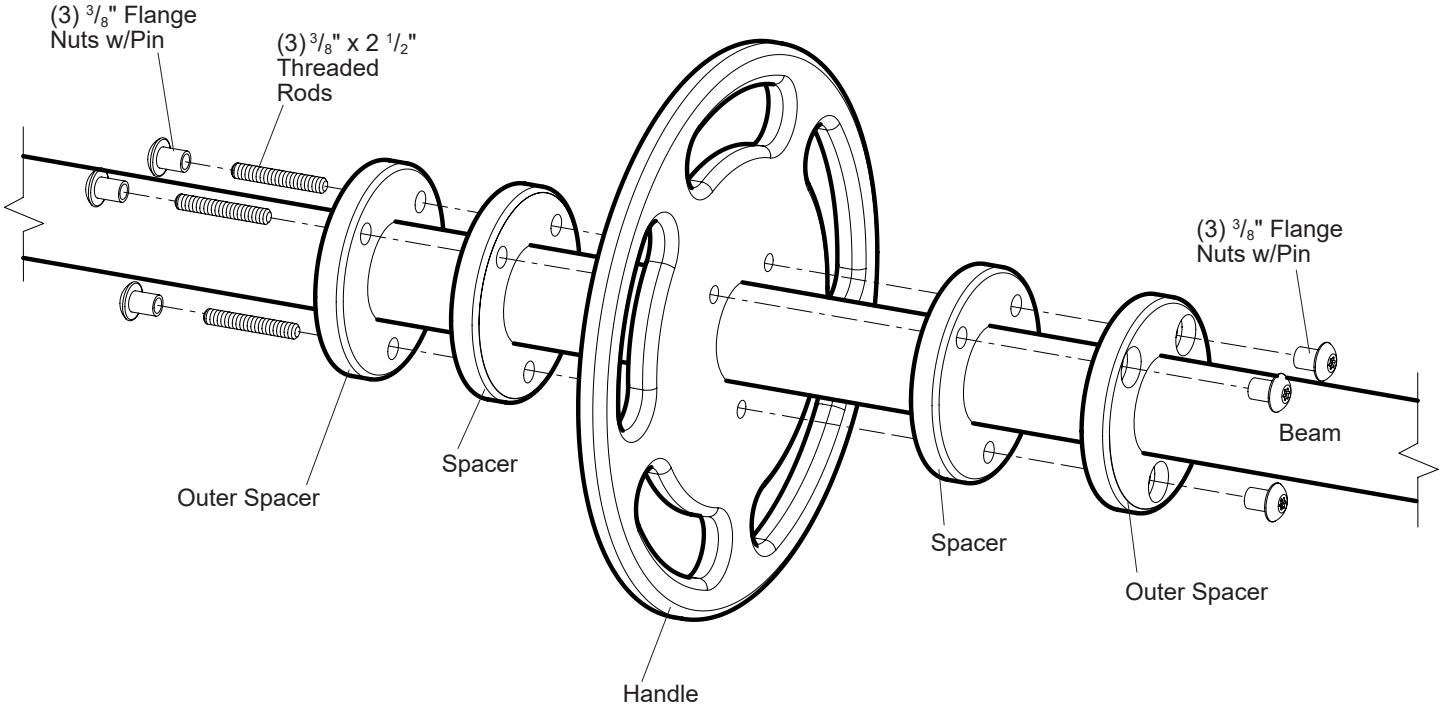
ISO 9001 Certified

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.)

194971a

DETAIL
HANDLE ASSEMBLY



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

© 2022 by Landscape Structures. All rights reserved.

landscape structures®

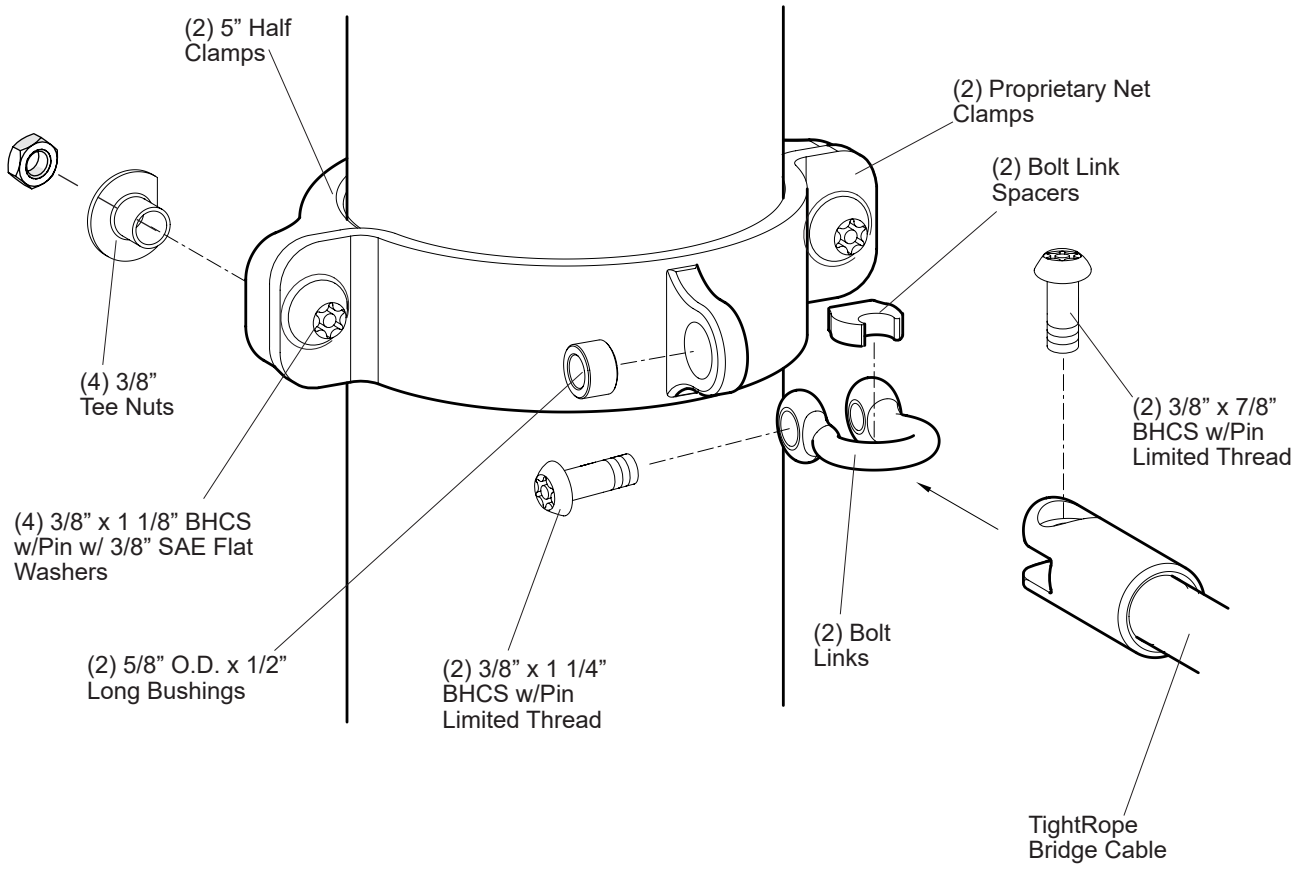
ISO 14001 CERTIFIED

ISO 9001 Certified

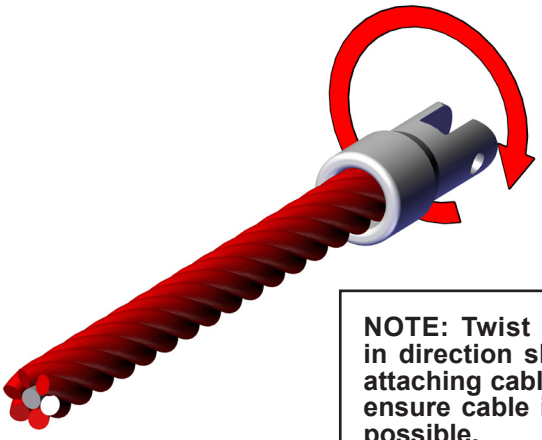
SAFETY NOTE

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
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.

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

© 2022 by Landscape Structures. All rights reserved.

PlayBooster® 193173 TightRope™ Bridge

landscape structures®

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.

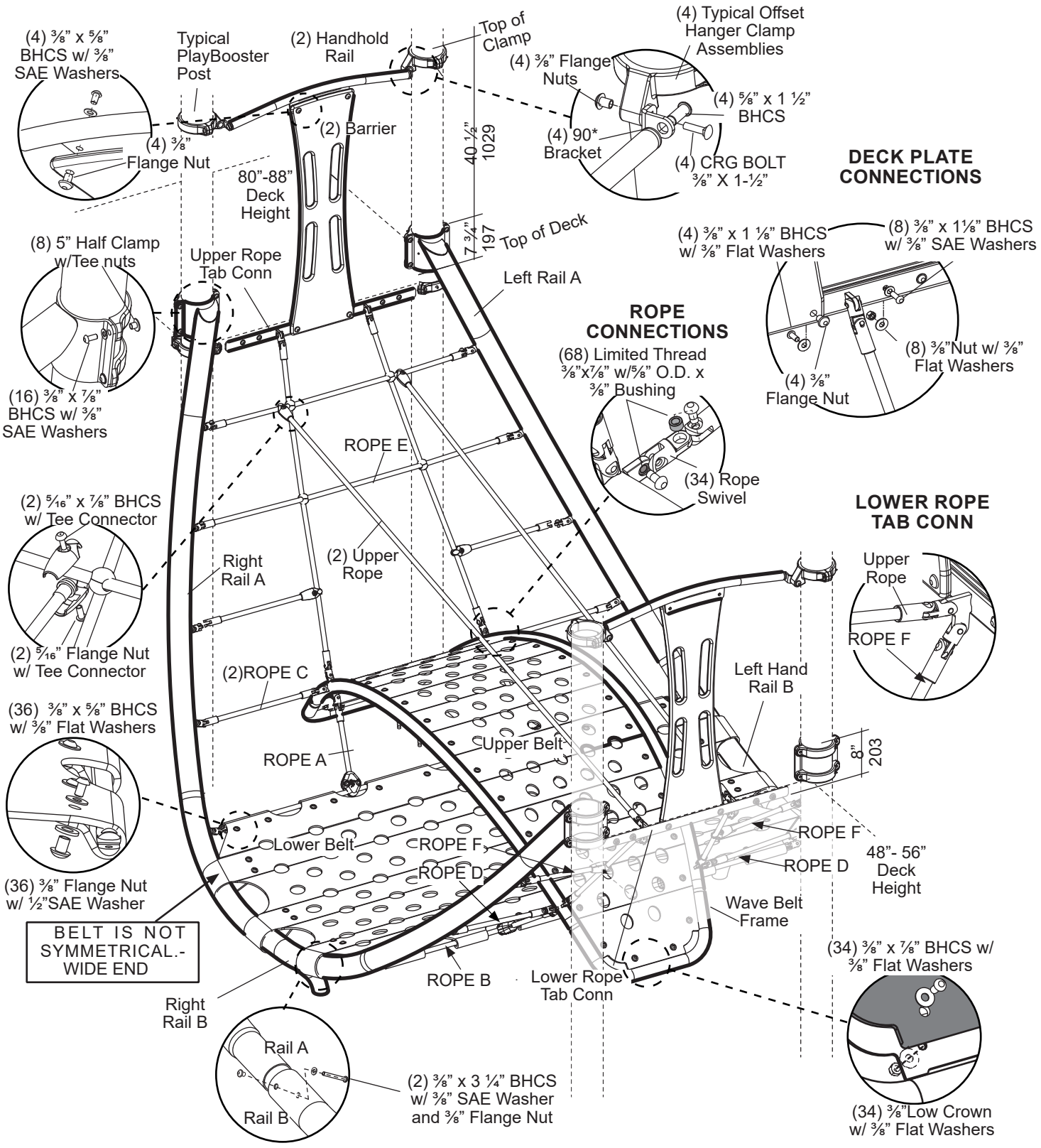
ECO# 0102332 Document 31369500 replaces 24191900. Updated hardware package.

landscape structures®

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.)



PlayBooster®

302740 Tidal Wave Climber

© 2023 by Landscape Structures. All rights reserved.

Document #30274100

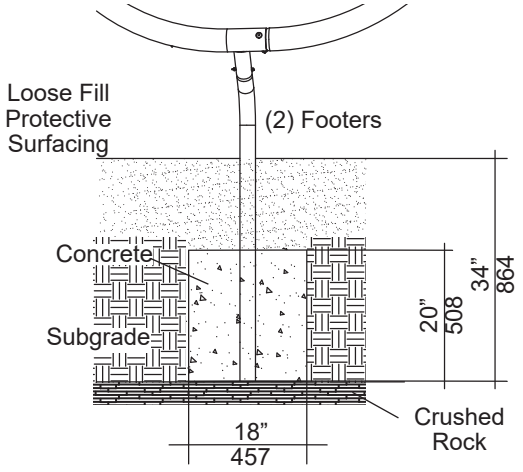
landscape structures®

ISO 14001 CERTIFIED

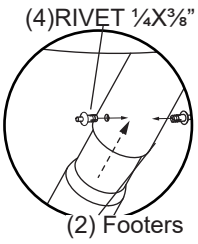
ISO 9001 Certified

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.)

DIRECT BURY

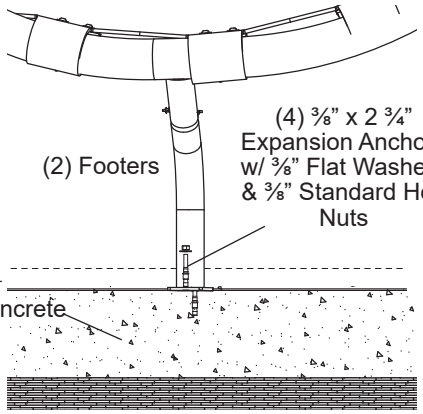


FOOTER ATTACHMENT

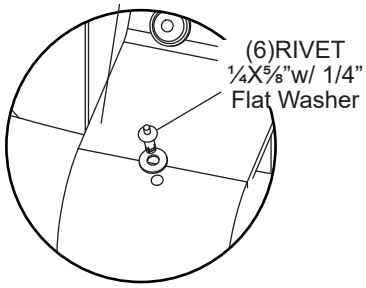


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

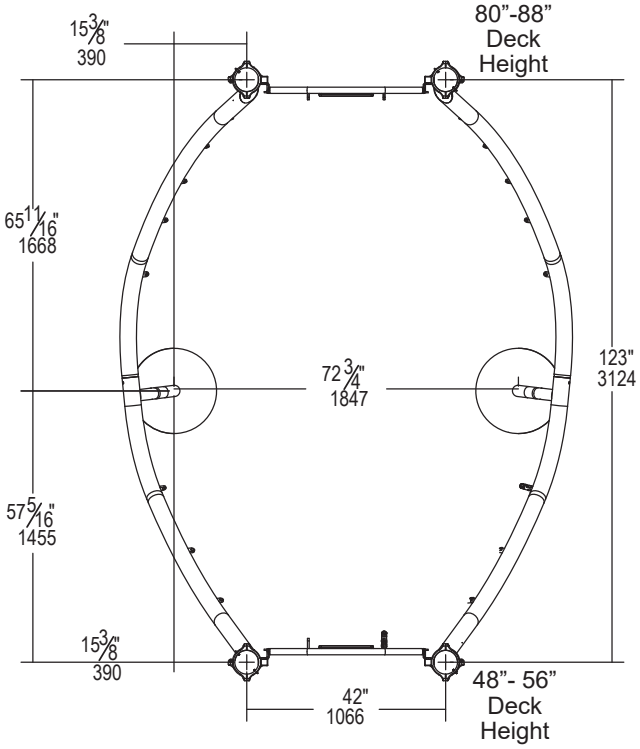
SURFACE MOUNT



LOWER BELT LOOP RIVETS



PLAN VIEW/FOOTING LAYOUT



© 2023 by Landscape Structures. All rights reserved.

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.

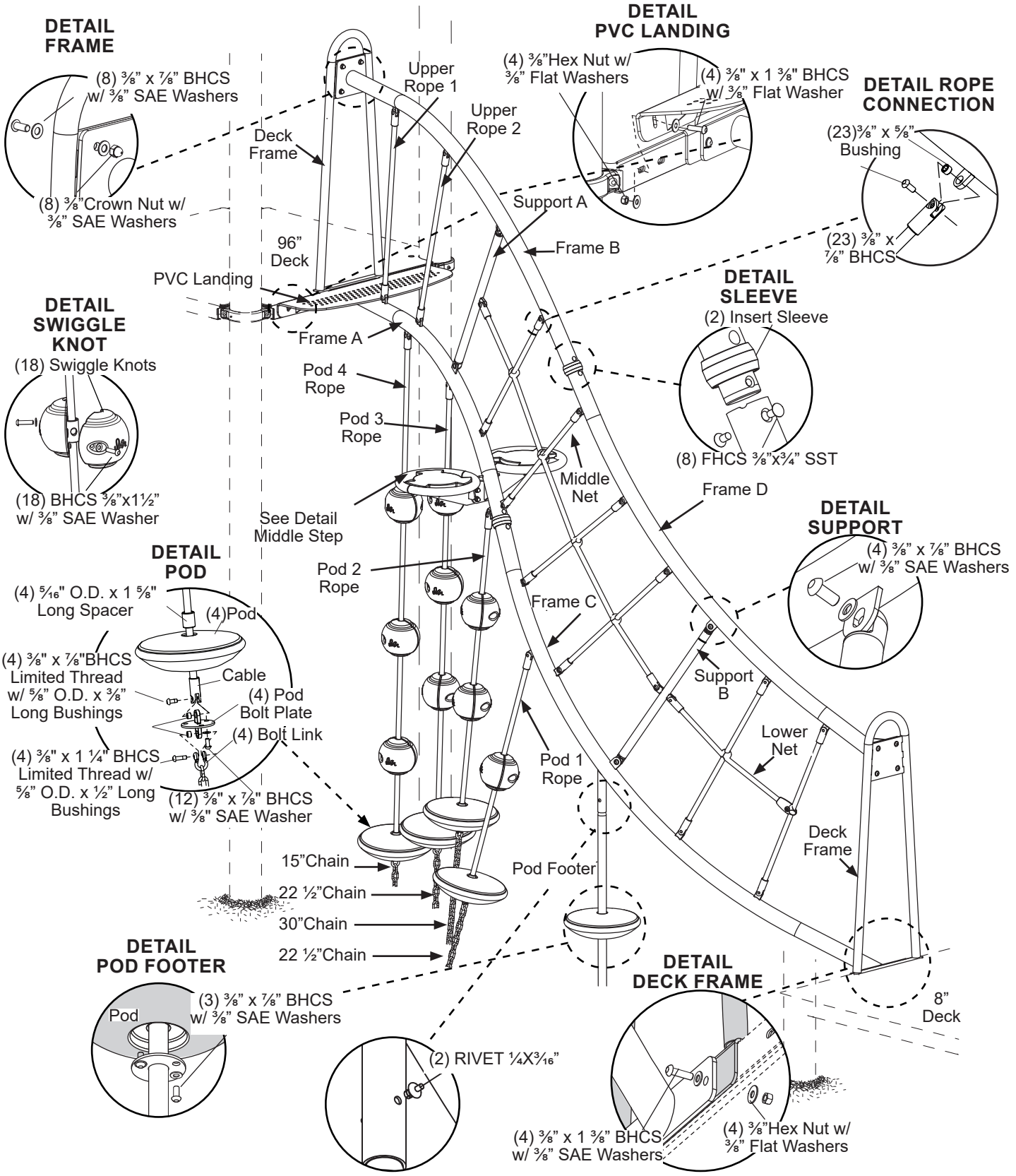
20) With all supports in plumb position pour concrete footings. Allow concrete to cure for a minimum of 72 hours before users are allowed to play on the structure.

landscape structures®

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.)



PlayBooster®

302748 Vine Climber

© 2022 by Landscape Structures. All rights reserved.

Document #30275000

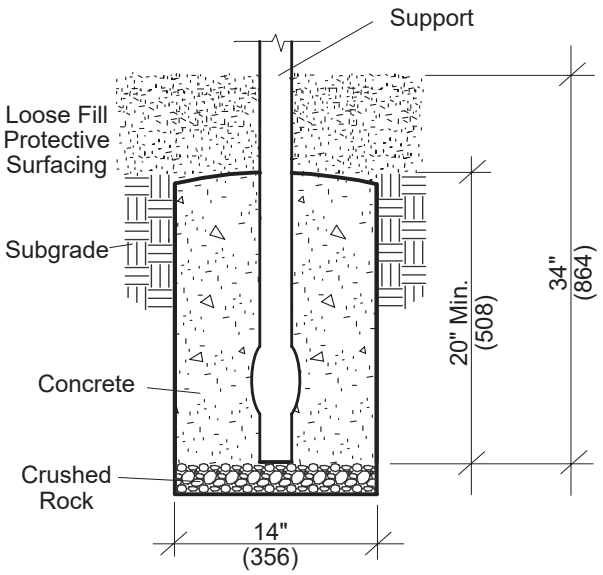
landscape structures®

ISO 14001 CERTIFIED

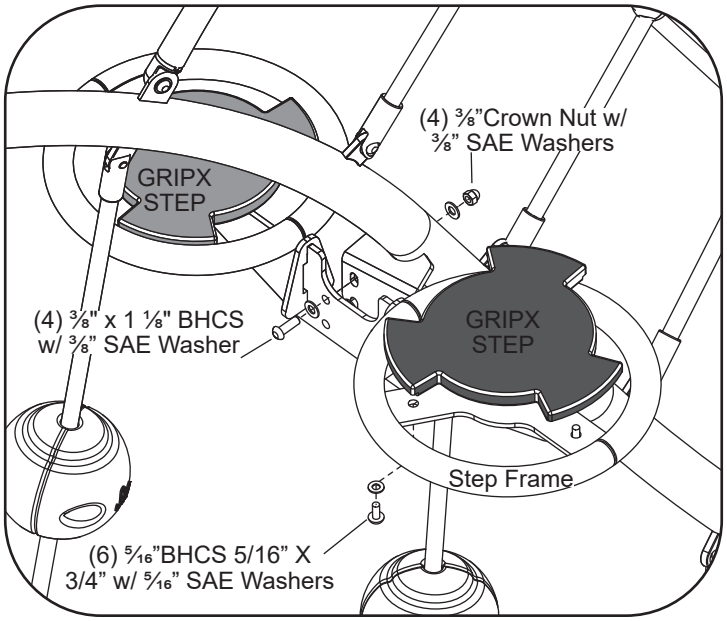
ISO 9001 Certified

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.)

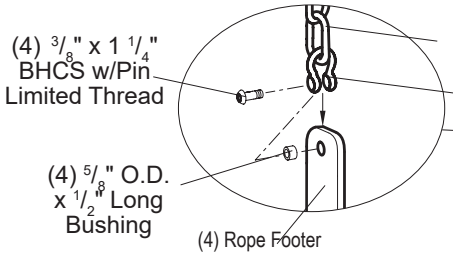
DETAIL DIRECT BURY



DETAIL MIDDLE STEP



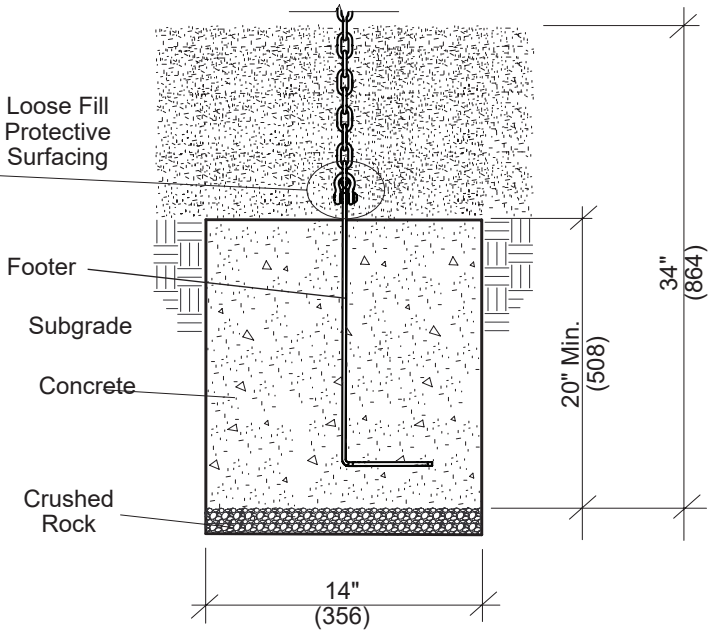
DETAIL PLATE FOOTER ATTACHMENT



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



© 2022 by Landscape Structures. All rights reserved.

Document #30275000

landscape structures®

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.

landscape structures®

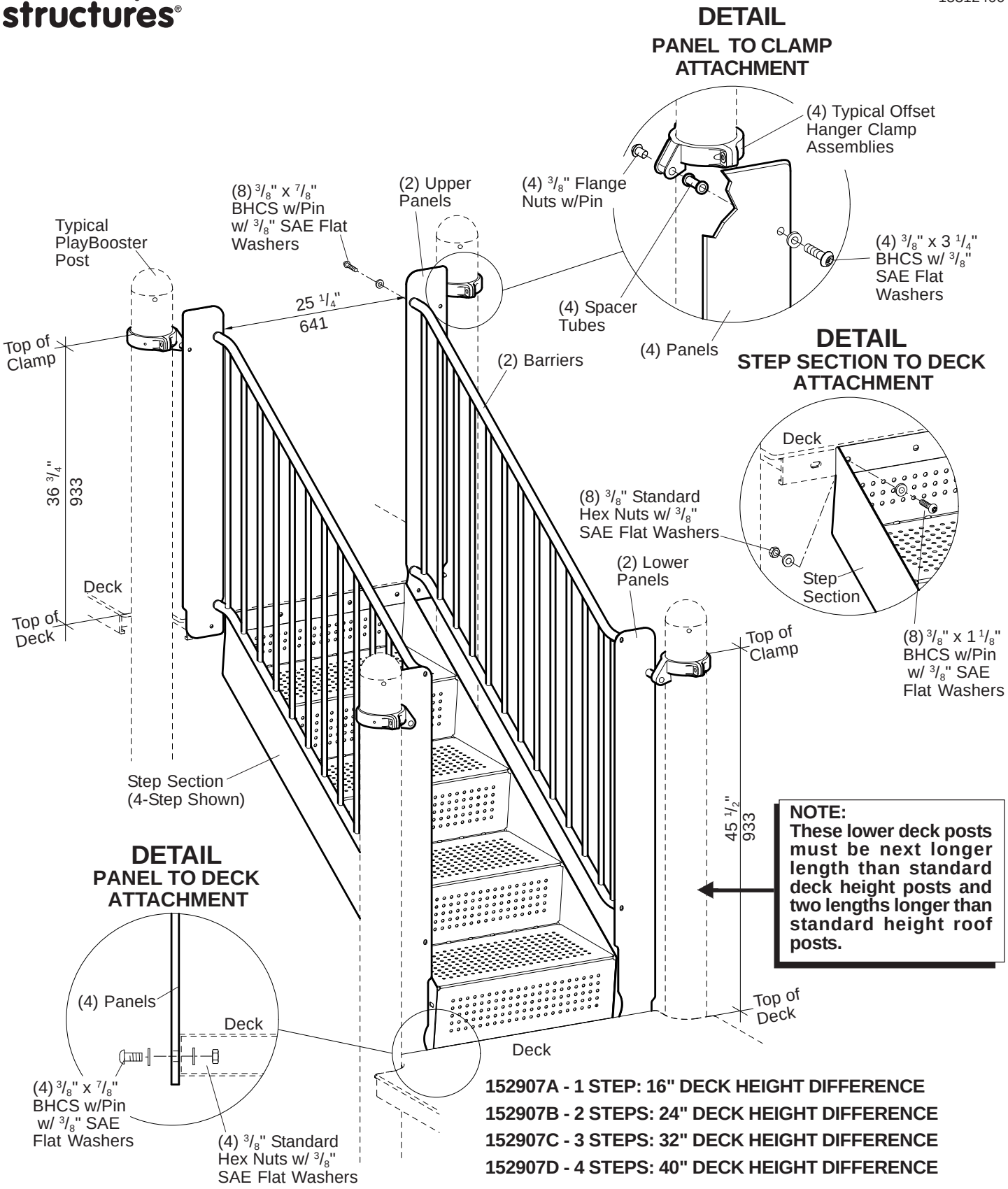
ISO 14001 CERTIFIED

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*.)

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

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

© 2006 by Landscape Structures. All rights reserved.

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.

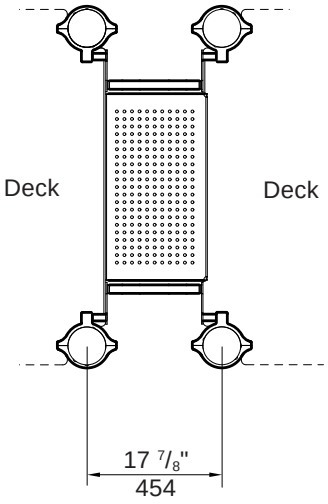
Specifications are subject to change without notice.

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

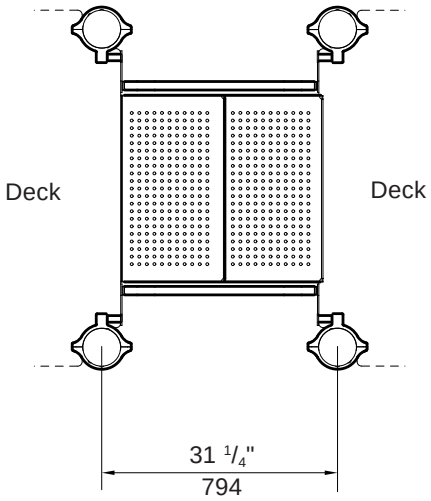
landscape structures®

PLAN VIEW/FOOTING LAYOUTS

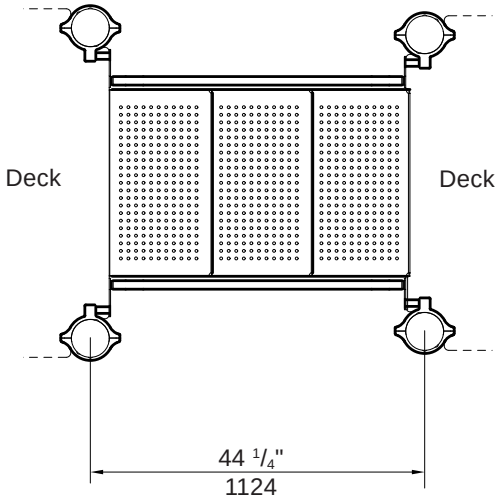
FOOTINGS/ 1-STEP



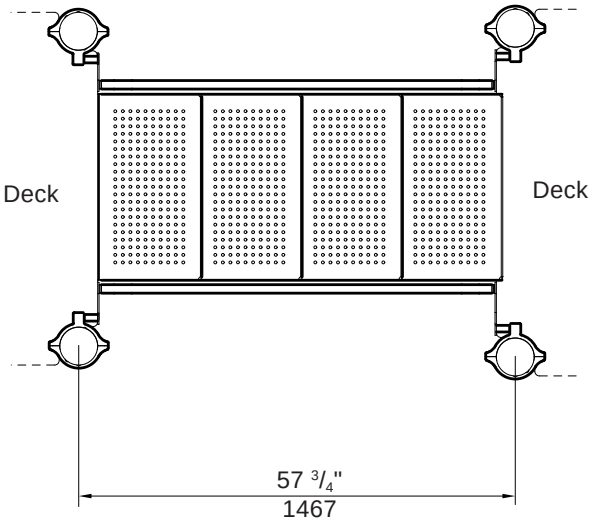
FOOTINGS/ 2-STEP



FOOTINGS/ 3-STEP



FOOTINGS/ 4-STEP



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

© 2006 by Landscape Structures. All rights reserved.

landscape structures®

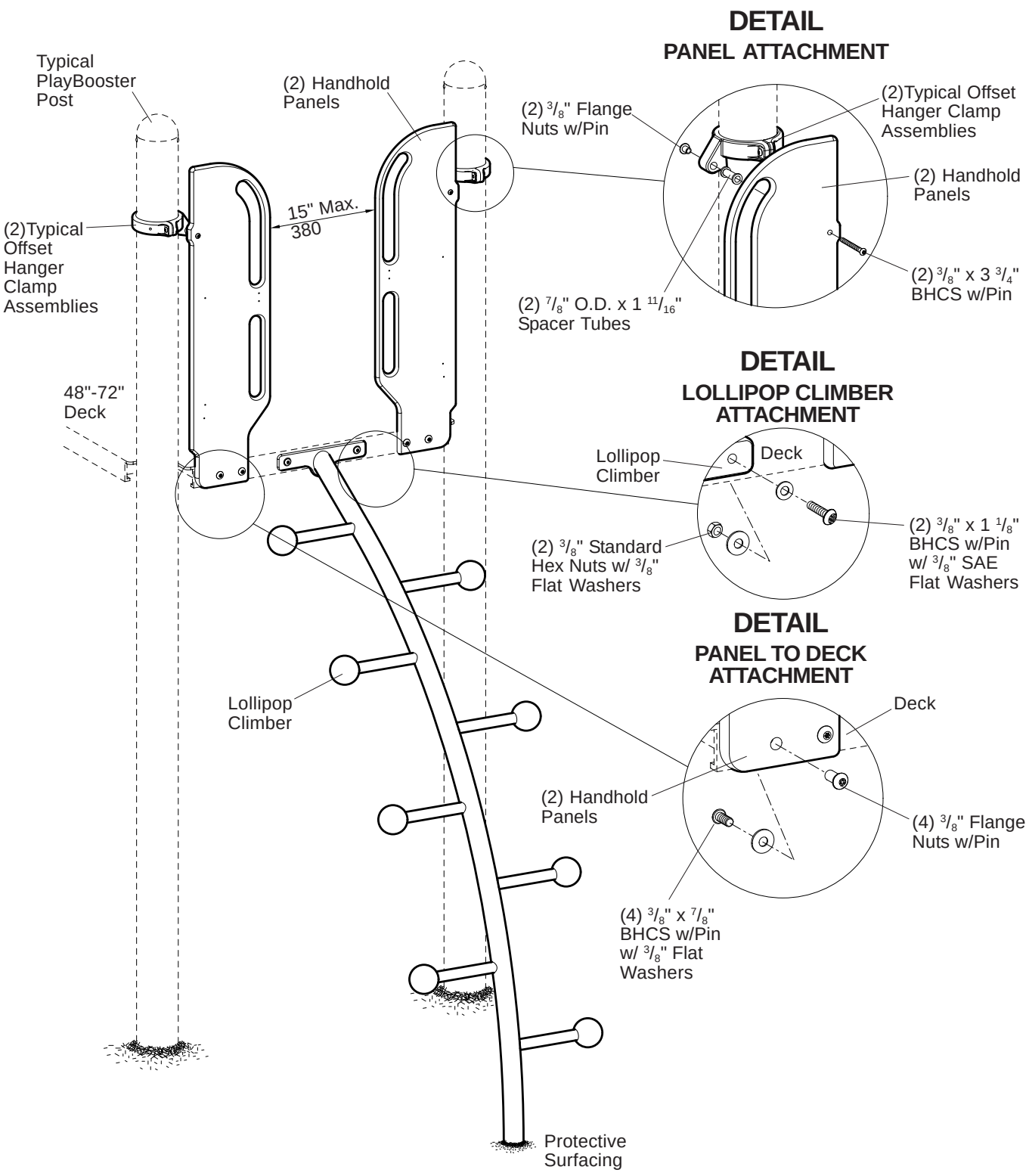
ISO 14001 CERTIFIED

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*.)

17608400



PlayBooster® 176078 Lollipop Climber, 48"-72" 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

© 2011 by Landscape Structures. All rights reserved.

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.

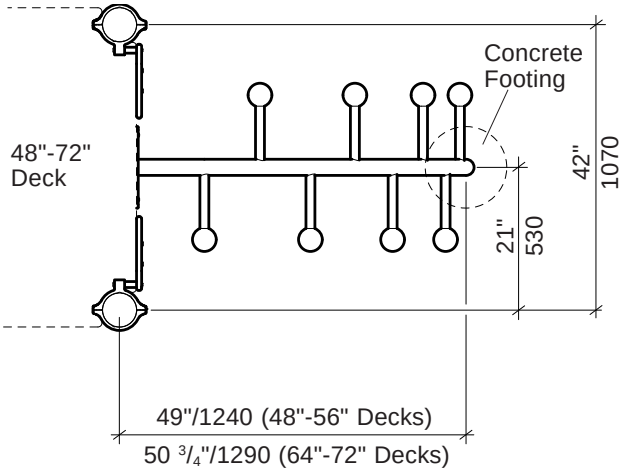
7) **(Direct Bury)** With Lollipop climber plumb, pour concrete footing. Allow concrete footing to cure for a minimum of 72 hours before users are allowed to play on the structure.

   (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.

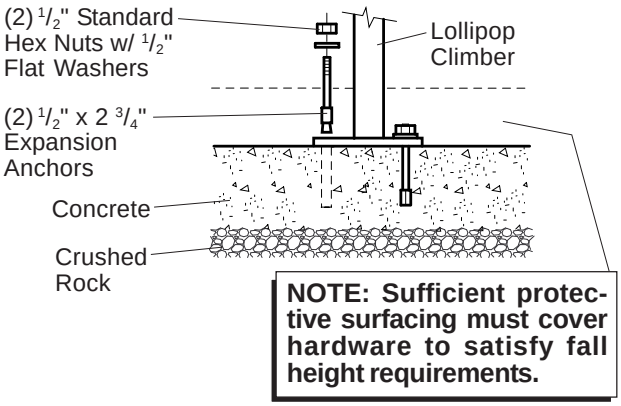
8) Install protective surfacing before users are allowed to play on the component.

landscape structures®

PLAN VIEW/FOOTING LAYOUT

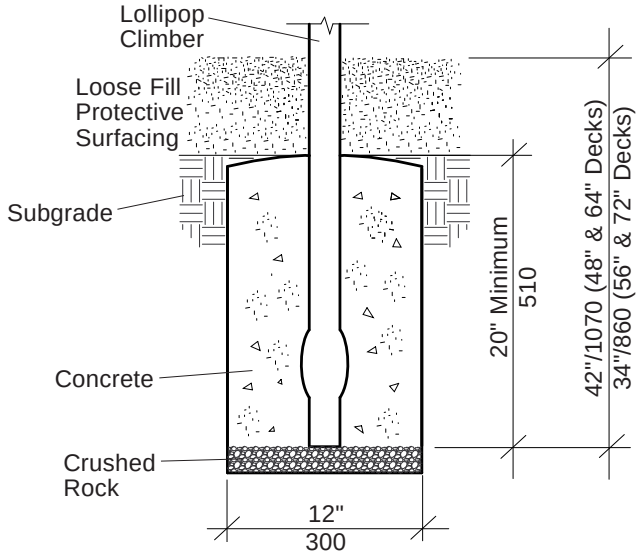


DETAIL
SURFACE MOUNT



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

DETAIL
DIRECT BURY



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

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

© 2011 by Landscape Structures. All rights reserved.

Document #17608400

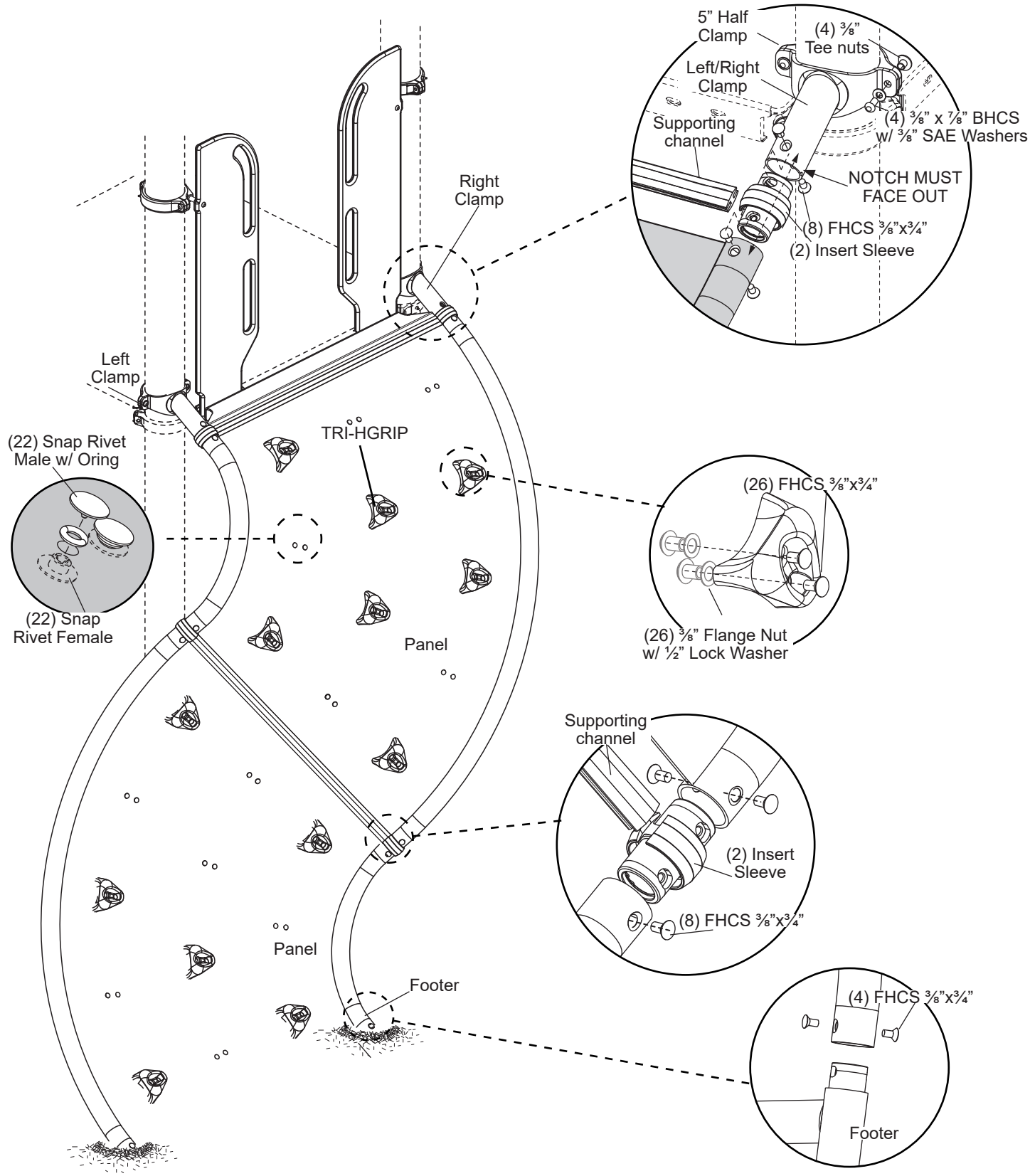
landscape structures®

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.)



PlayBooster® 302754 Mobius Climber, w/Perm Handholds

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

© 2022 by Landscape Structures. All rights reserved.

Document #30275500

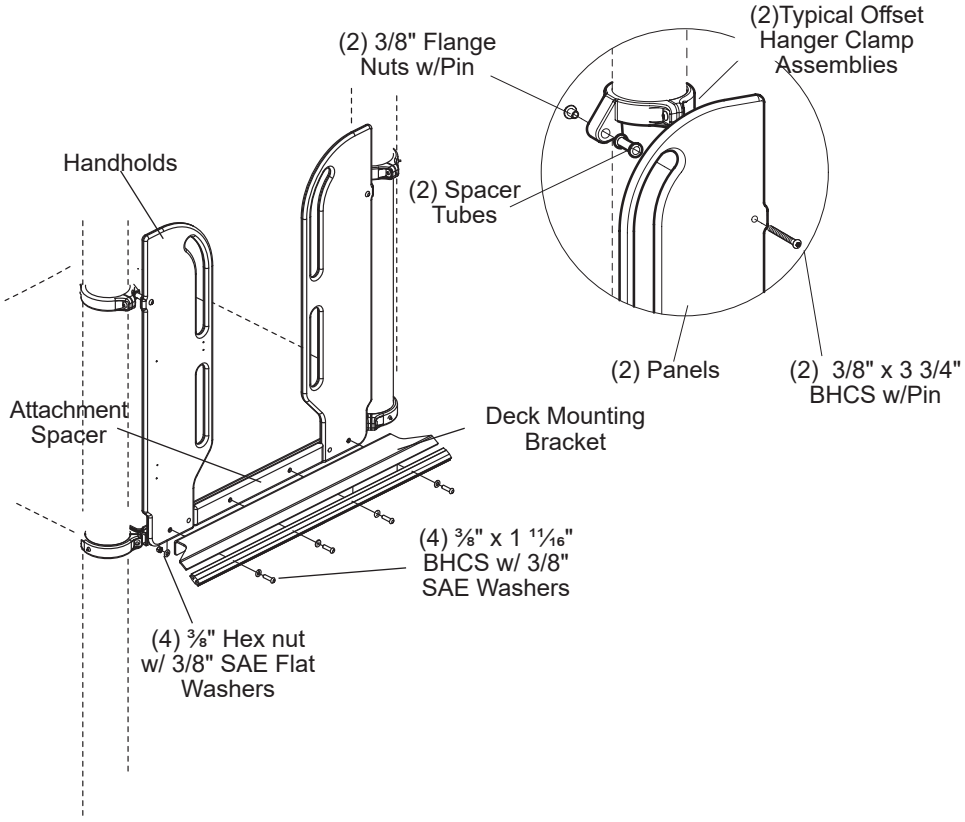
landscape structures®

ISO 14001 CERTIFIED

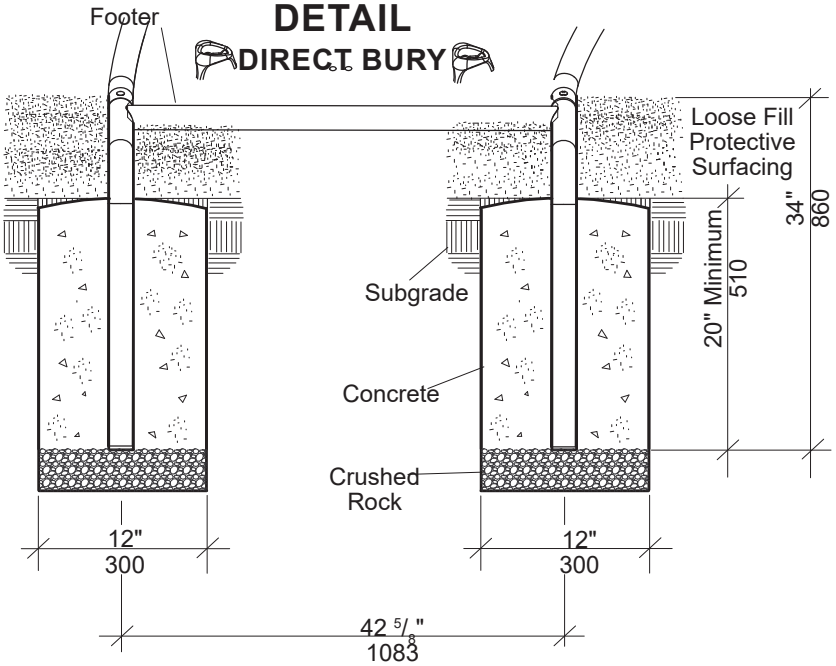
ISO 9001 Certified

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.)

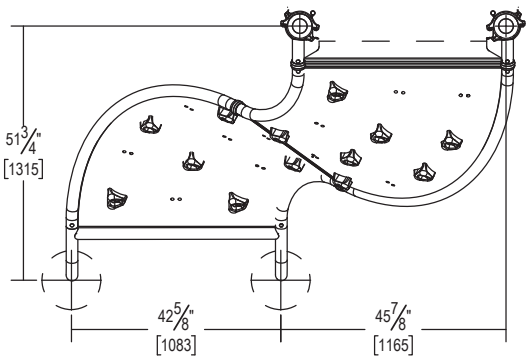
DETAIL
HANDHOLD ATTACHMENT



DETAIL
DIRECT BURY



DETAIL
FOOTER LOCATION



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

© 2022 by Landscape Structures. All rights reserved.

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.

landscape structures®

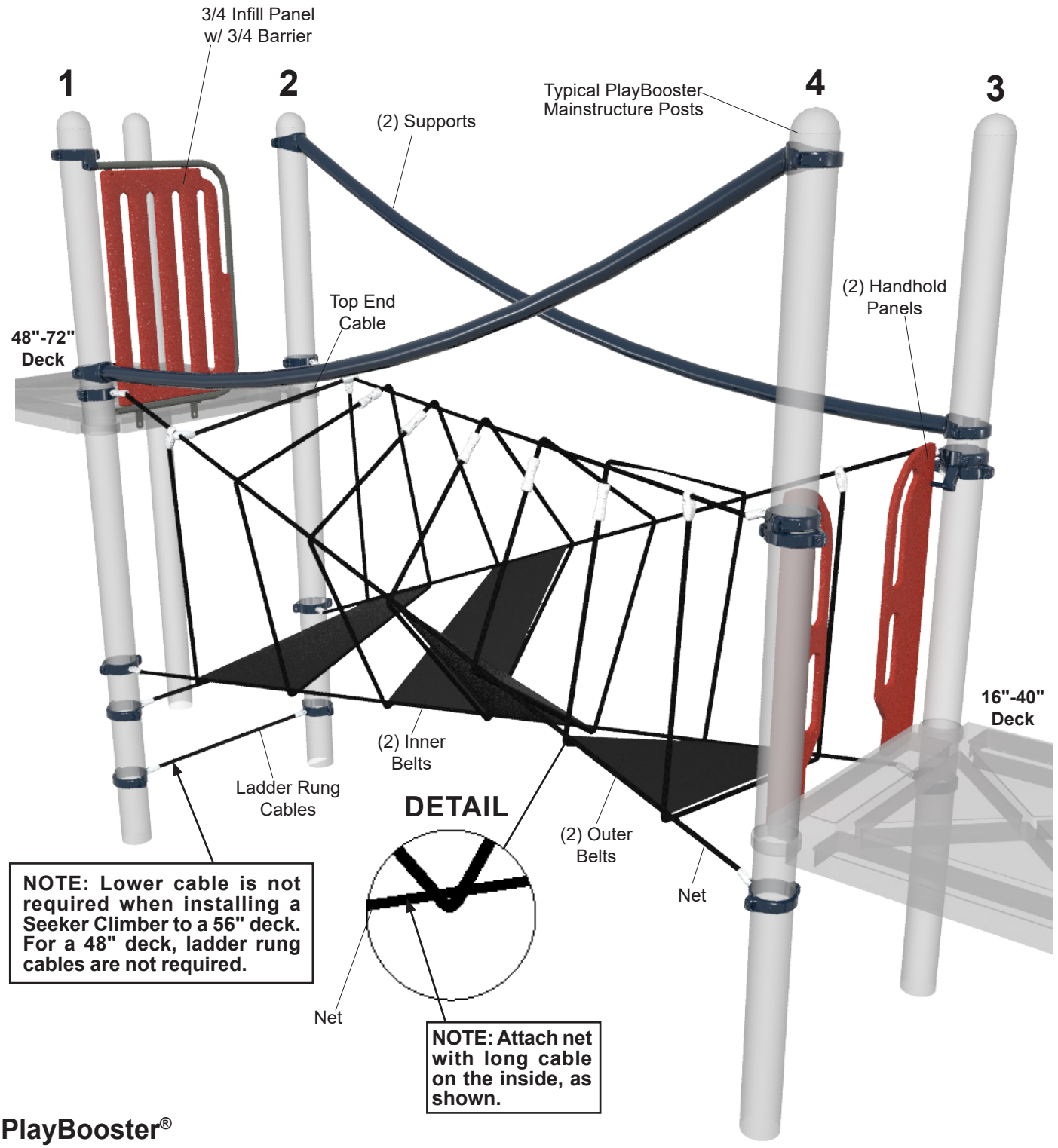
ISO 14001 CERTIFIED

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.)

NOTE: Decks and posts are sold separately.



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

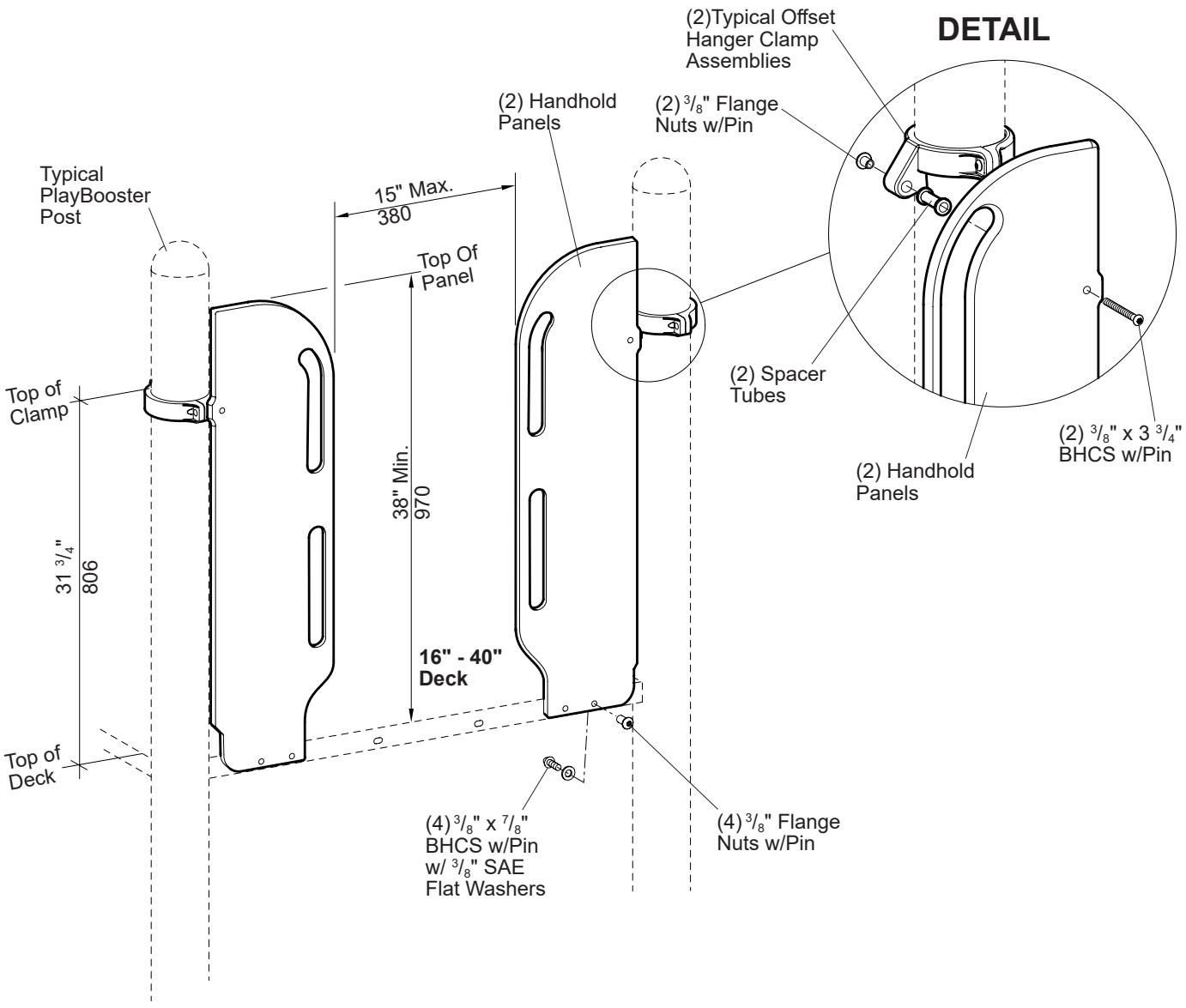
ISO 9001 Certified

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.)

205410a

DETAIL
HANDHOLD PANEL ATTACHMENT



PlayBooster®

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

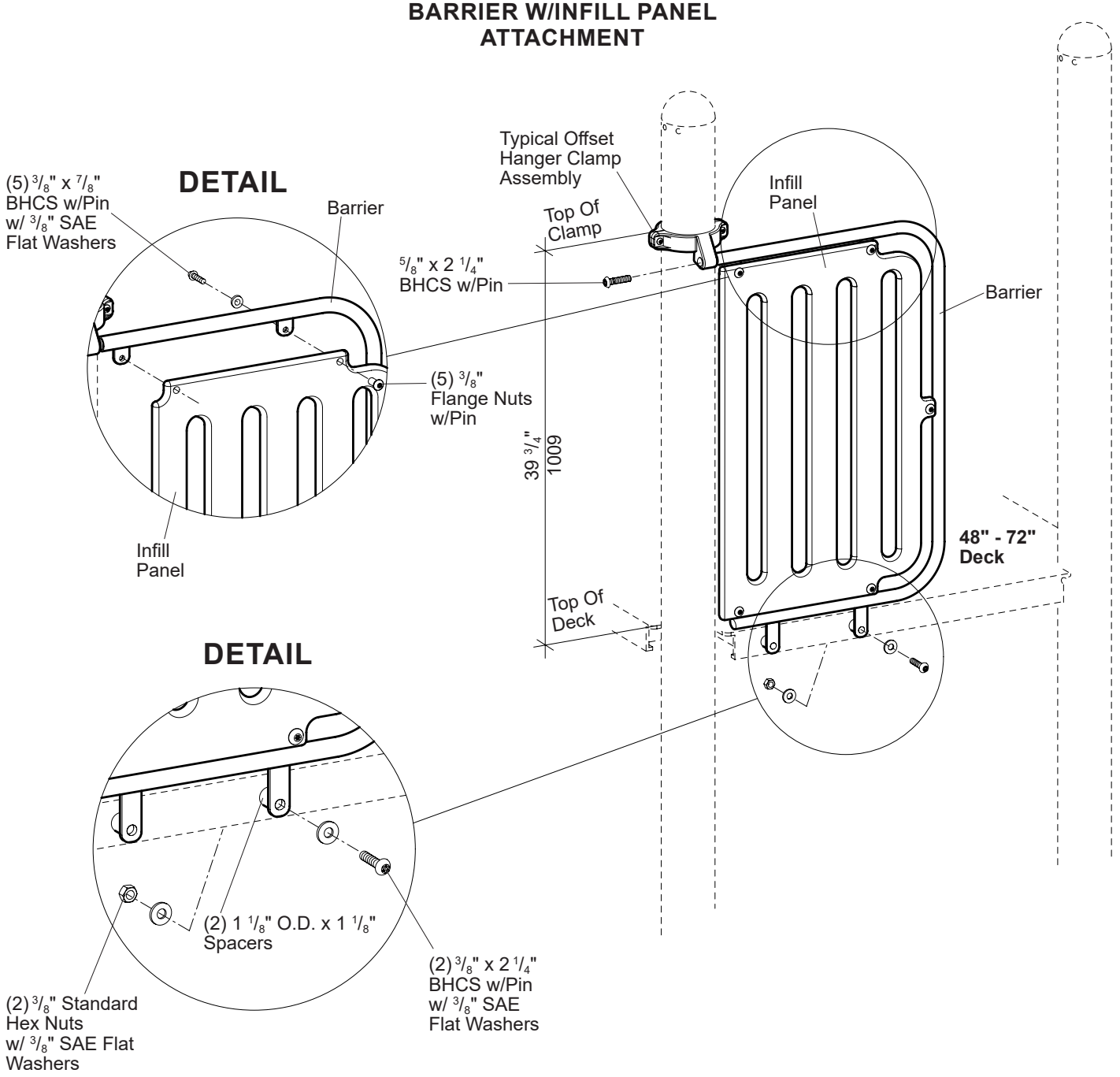
ISO 9001 Certified

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.)

203846a

DETAIL
BARRIER W/INFILL PANEL ATTACHMENT



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

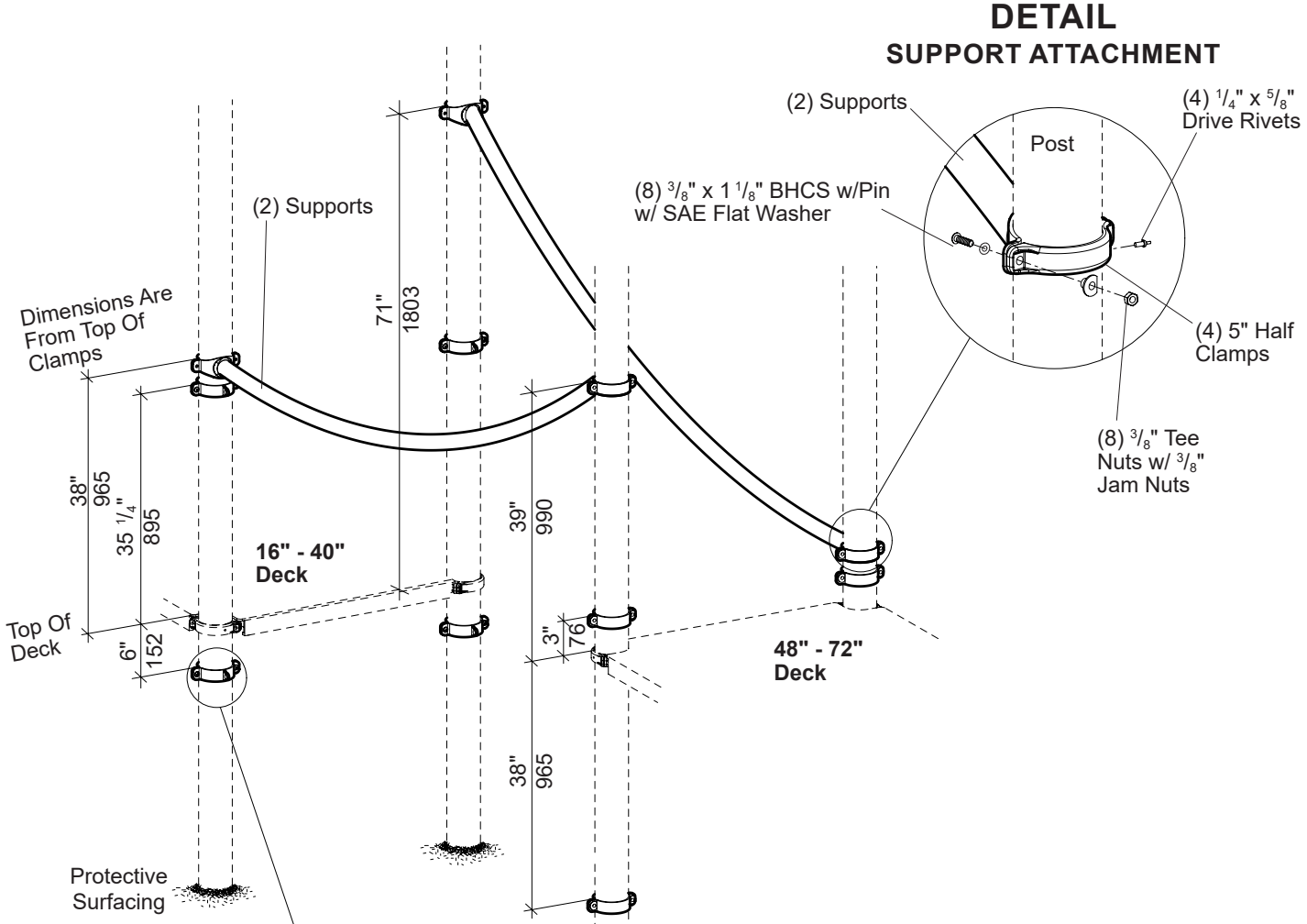
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

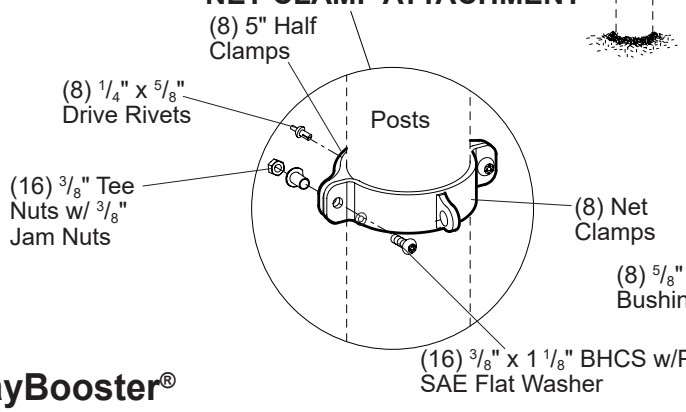
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

200618a

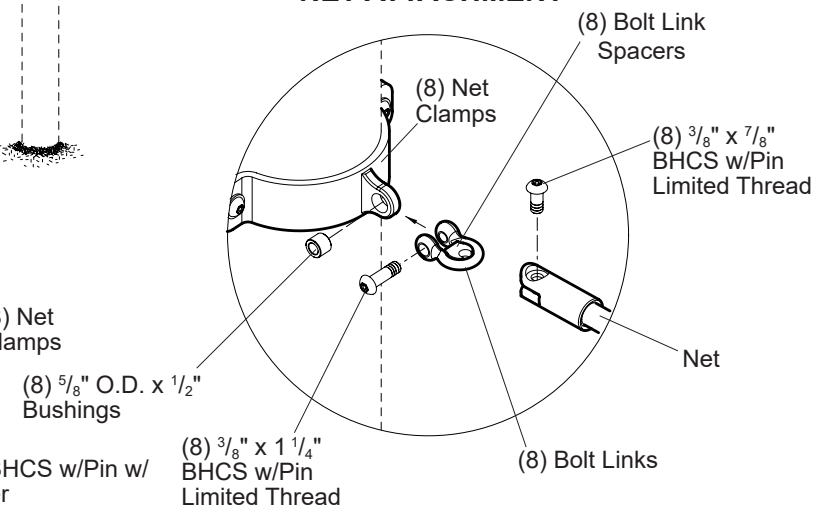


DETAIL
SUPPORT ATTACHMENT

DETAIL
NET CLAMP ATTACHMENT



DETAIL
NET ATTACHMENT



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

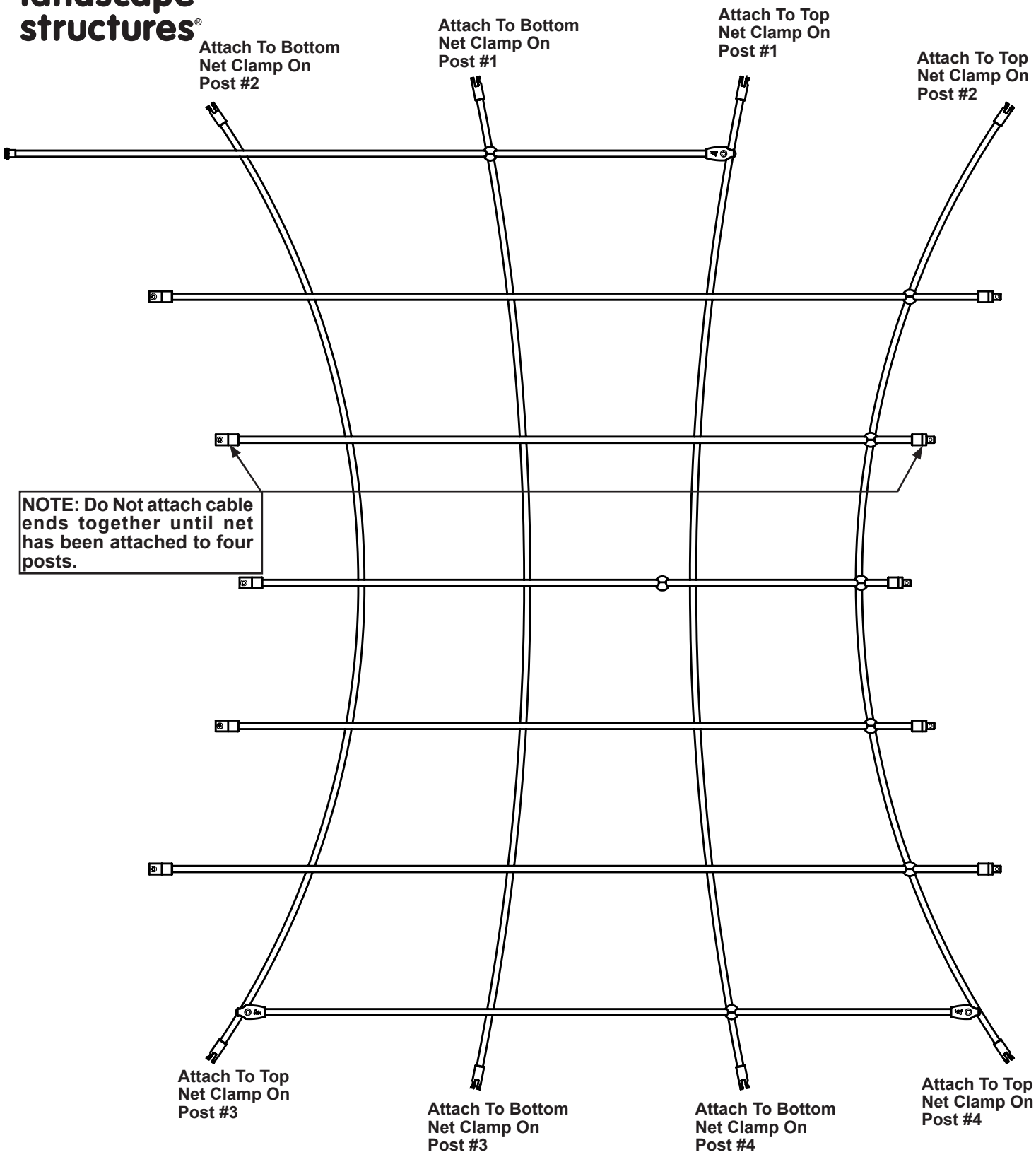
landscape structures®

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.)



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

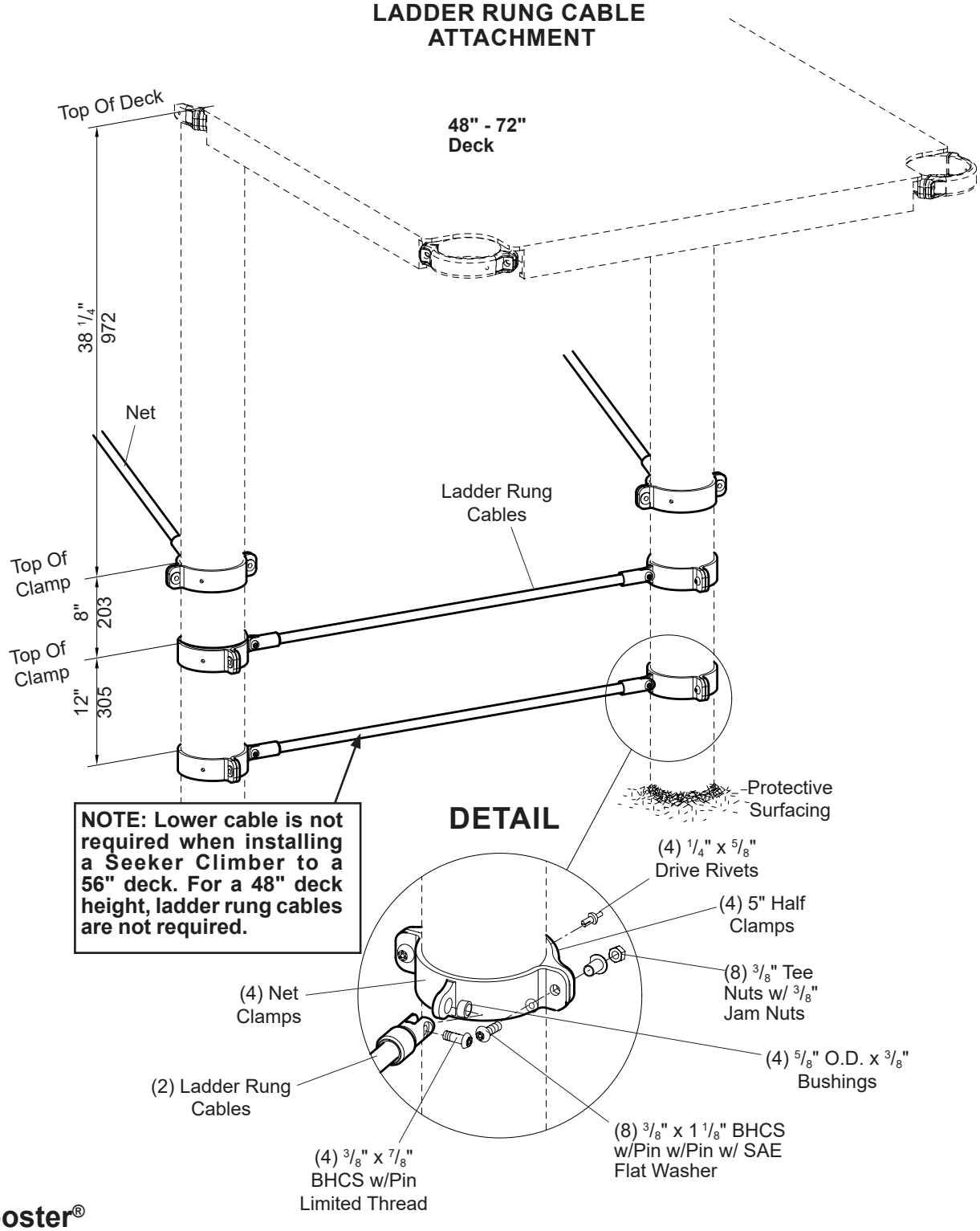
ISO 9001 Certified

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

LADDER RUNG CABLE ATTACHMENT



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

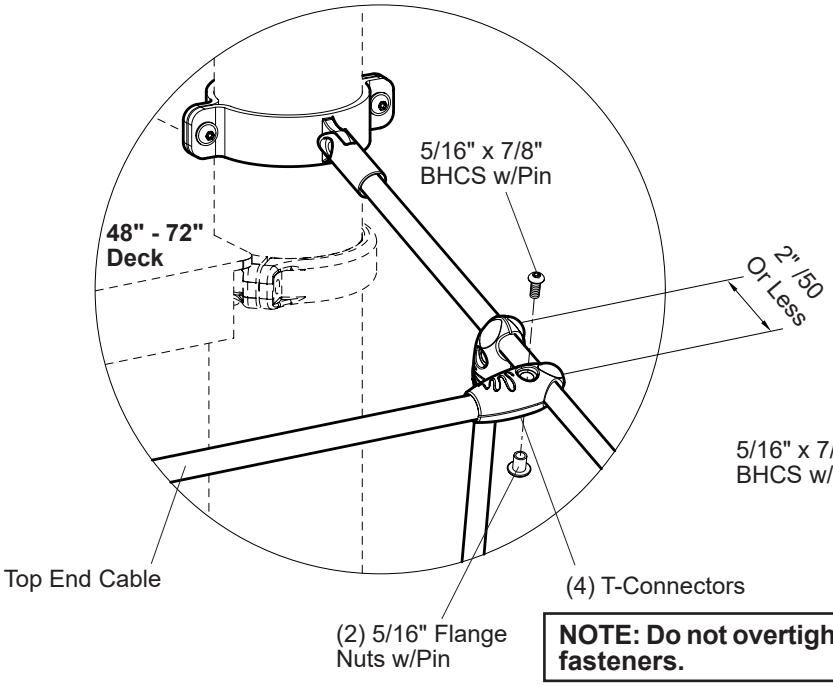
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

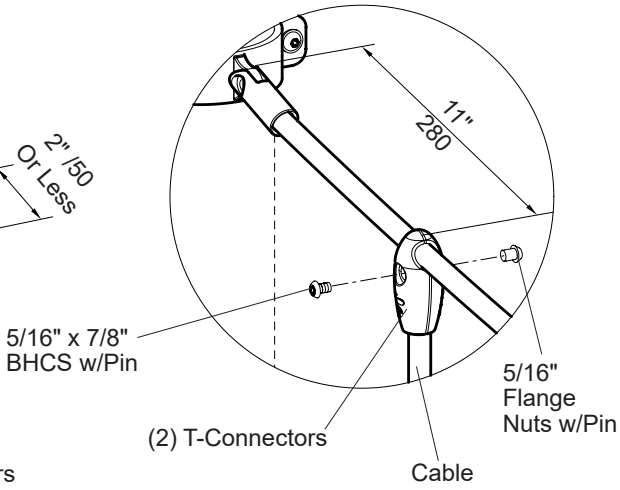
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
TOP END CABLE ATTACHMENT



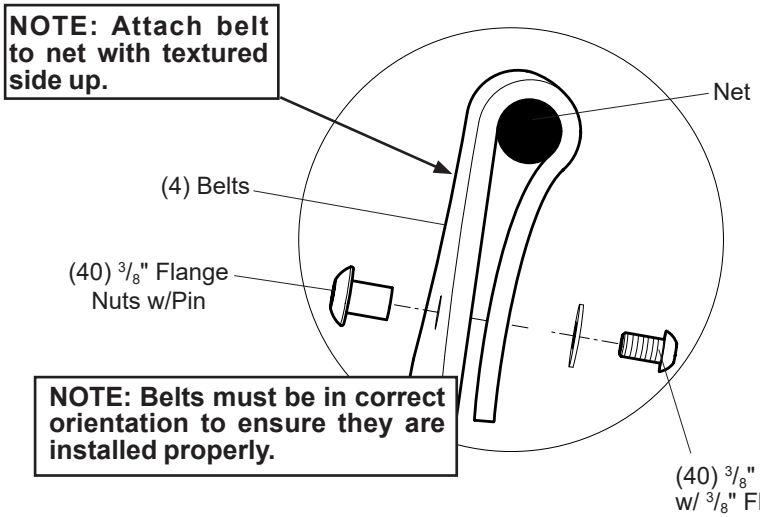
NOTE: Do not overtighten fasteners.

DETAIL
CABLE END ATTACHMENT



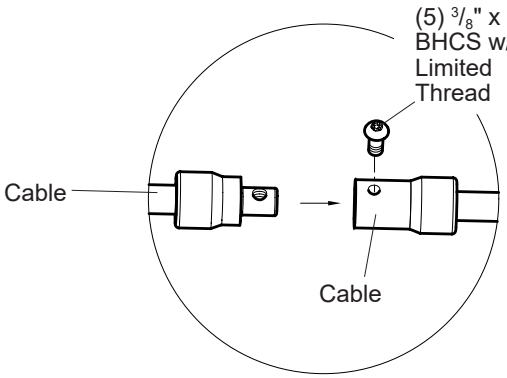
DETAIL
BELT ATTACHMENT

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



PlayBooster®

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

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

© 2023 by Landscape Structures. All rights reserved.

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

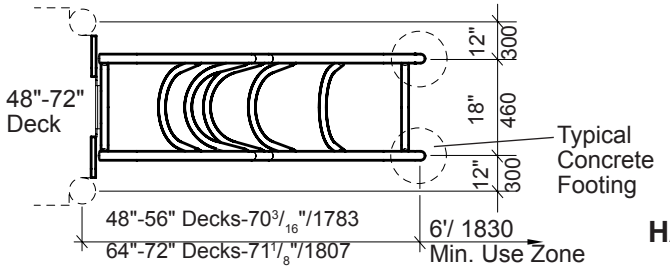
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

19043700

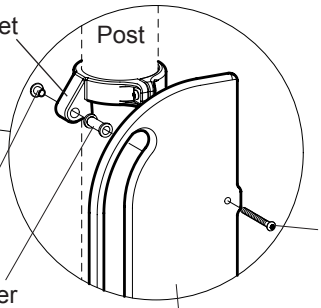
ELEVATION

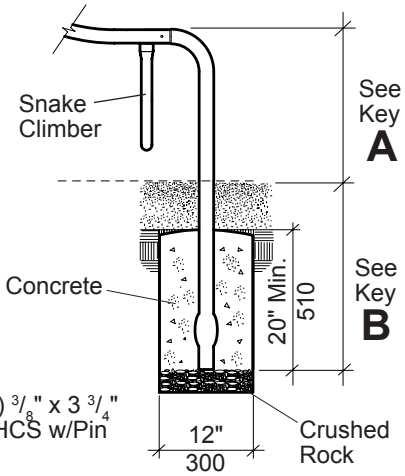
Key	A	B
48" Deck	15 3/4"	35 3/8"
56" Deck	23 3/4"	35 3/8"
64" Deck	17 1/8"	34"
72" Deck	25 1/8"	34"

PLAN VIEW/FOOTING LAYOUT

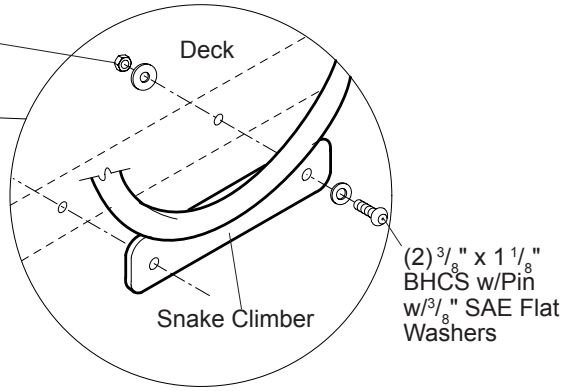


DETAIL HANDHOLD PANEL ATTACHMENT

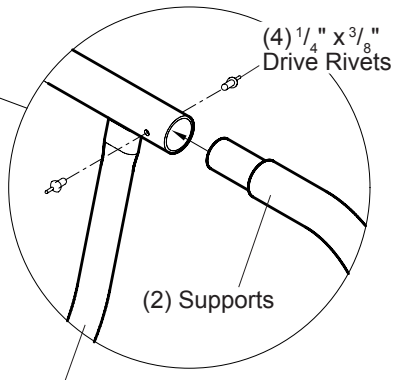




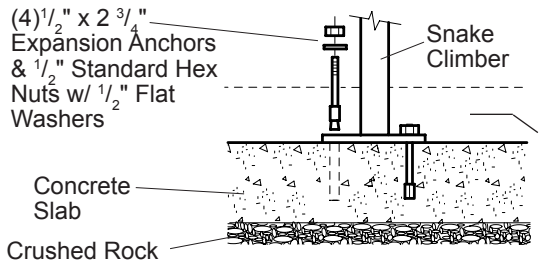
DETAIL DECK ATTACHMENT



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"

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

© 2013 by Landscape Structures. All rights reserved.

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.

landscape structures®

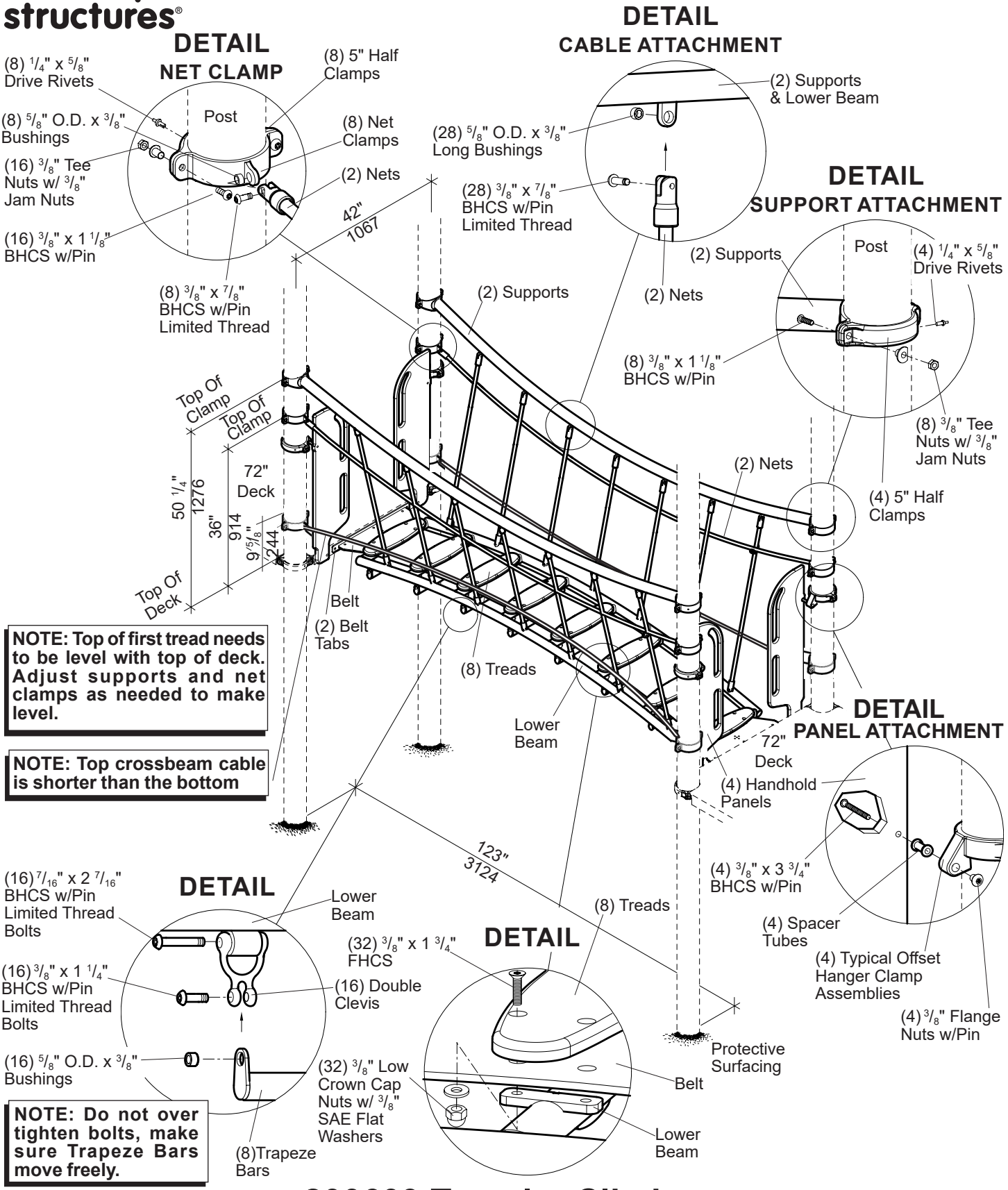
ISO 14001 CERTIFIED

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.)

21892900



PlayBooster® 200609 Traveler Climber

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

© 2017 by Landscape Structures. All rights reserved.

Document #24228600

landscape structures®

ISO 14001 CERTIFIED

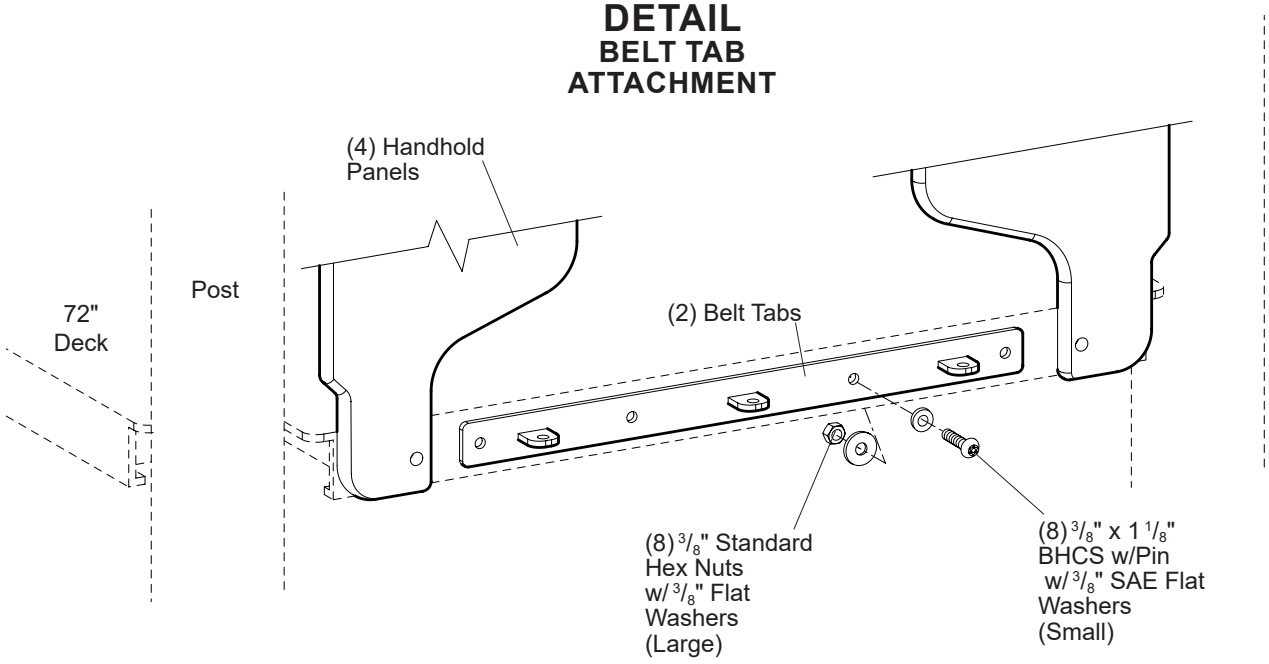
ISO 9001 Certified

SAFETY NOTE

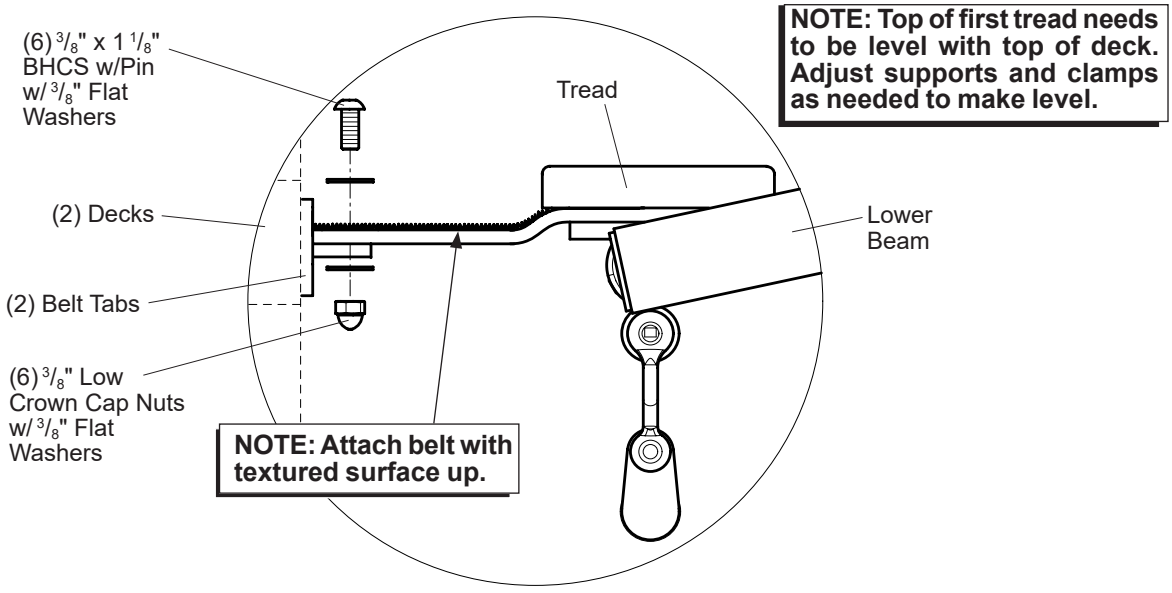
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

218929a

DETAIL
BELT TAB ATTACHMENT



DETAIL
BELT ATTACHMENT



PlayBooster®

200609 Traveler Climber

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

© 2017 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

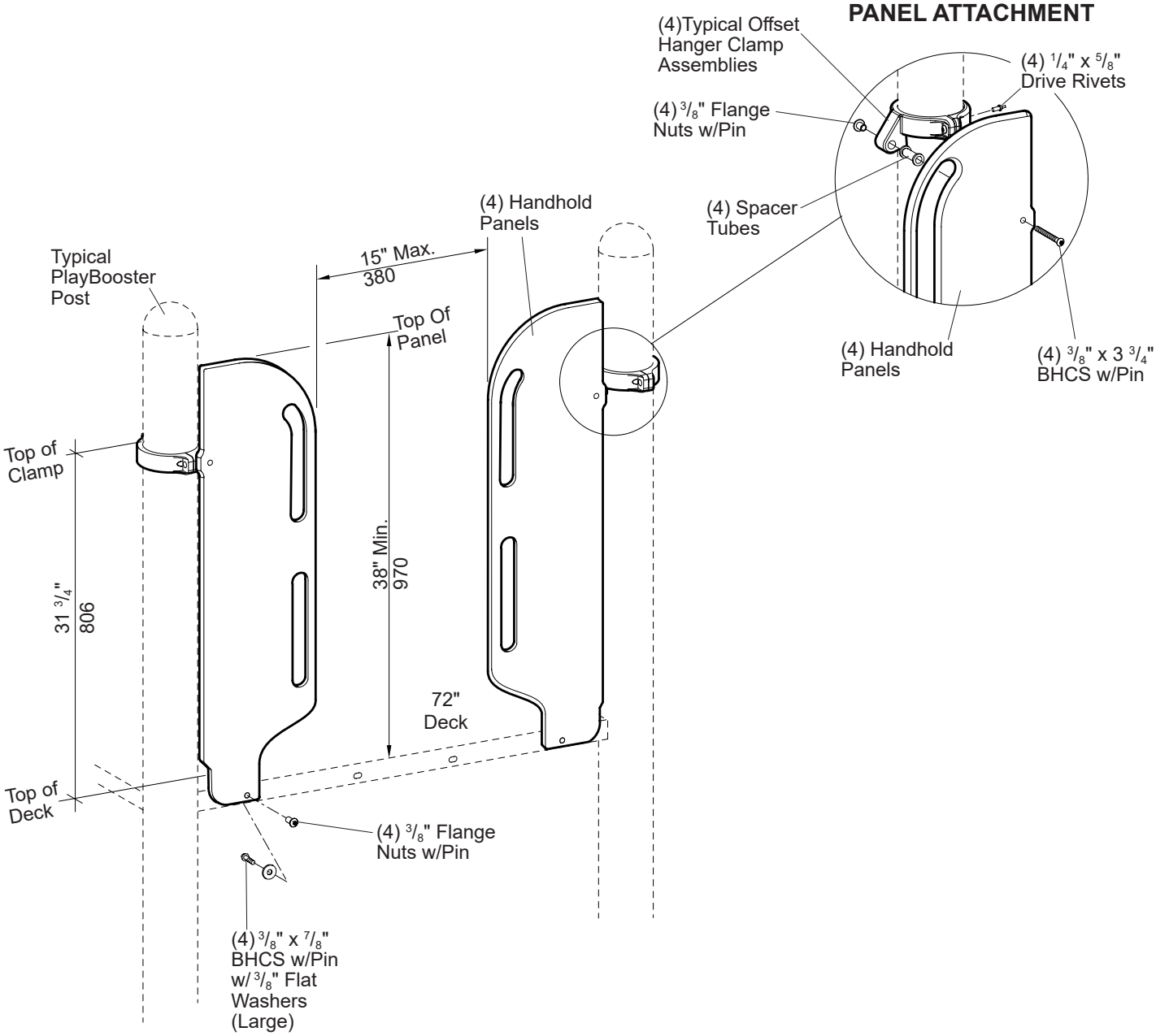
ISO 9001 Certified

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.)

200620c

DETAIL
PANEL ATTACHMENT



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

© 2017 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

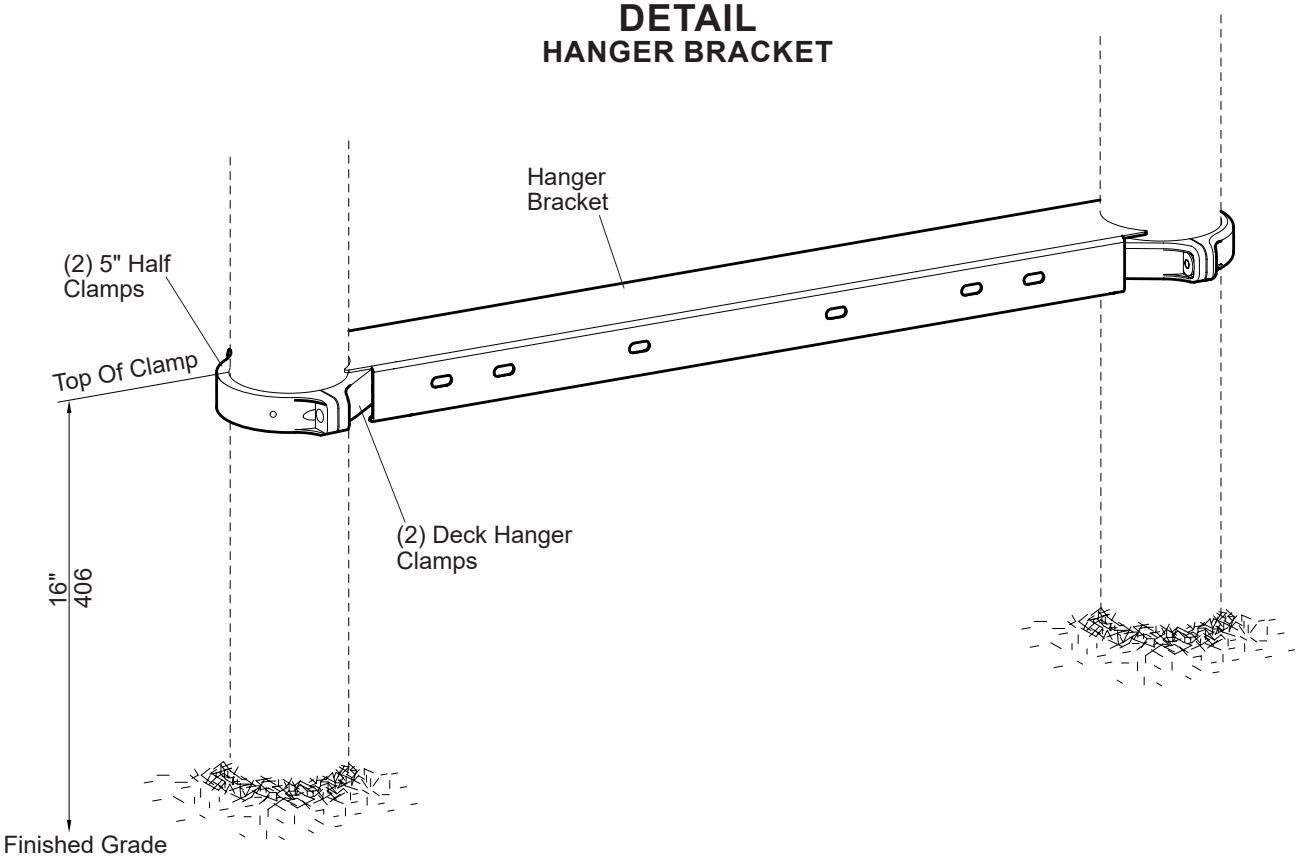
ISO 9001 Certified

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.)

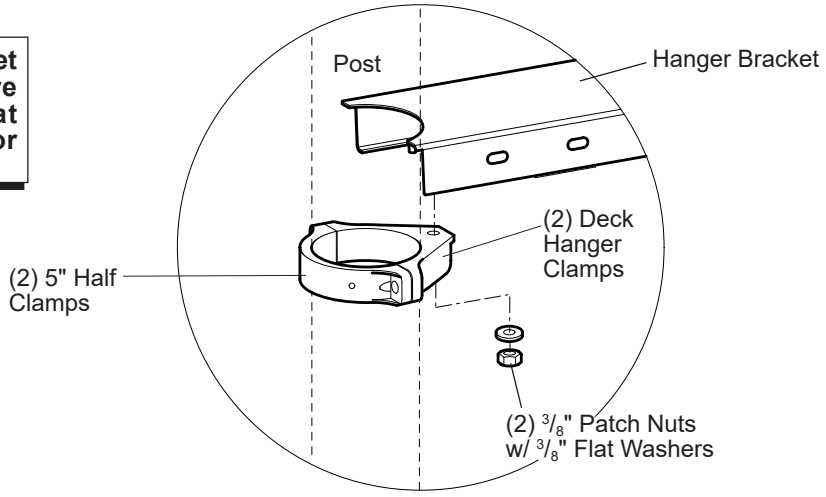
200620b

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.



PlayBooster®

200609 Traveler Climber

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

© 2017 by Landscape Structures. All rights reserved.

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.

landscape structures®

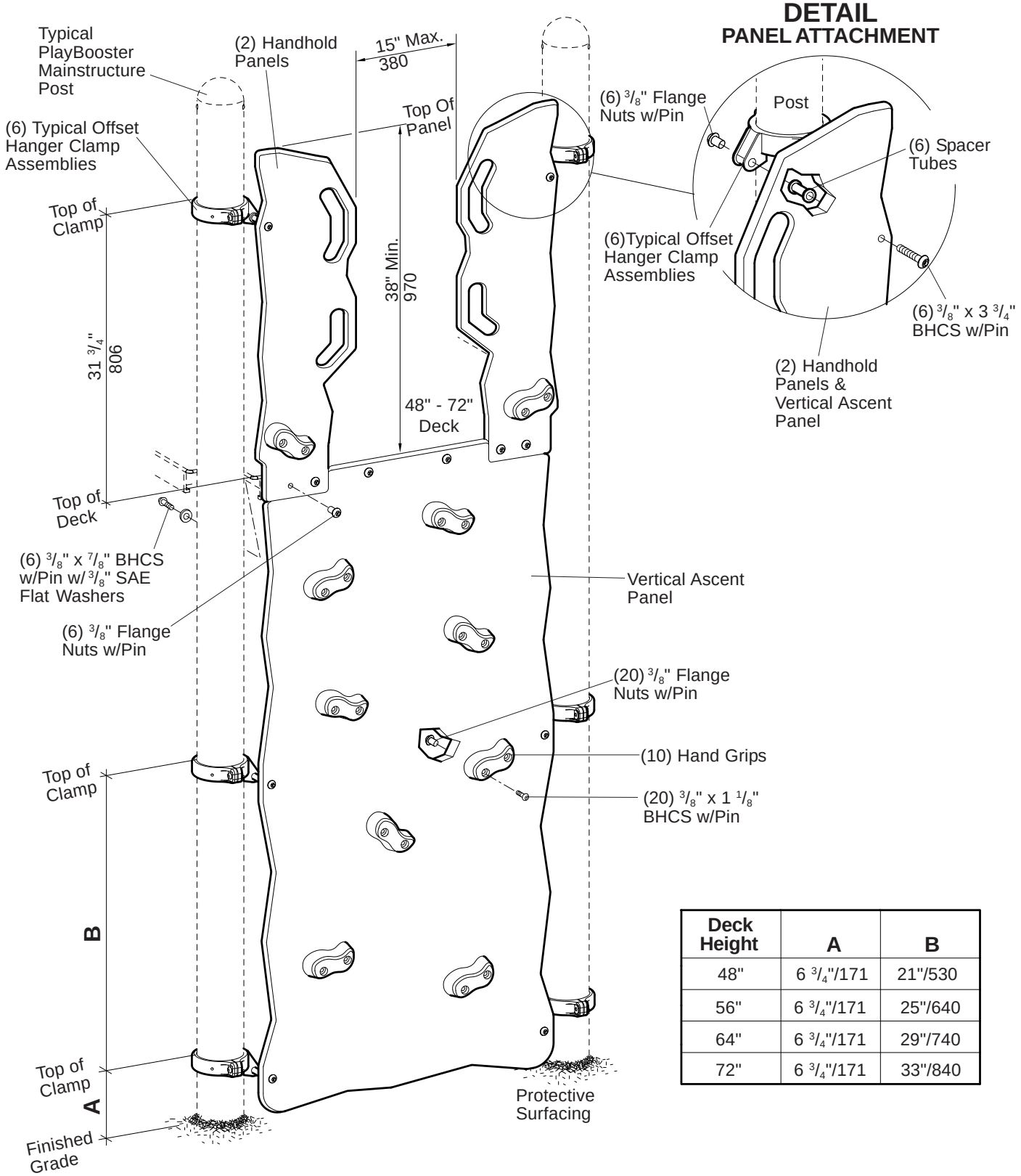
ISO 14001 CERTIFIED

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

© 2012 by Landscape Structures. All rights reserved.

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.

landscape structures®

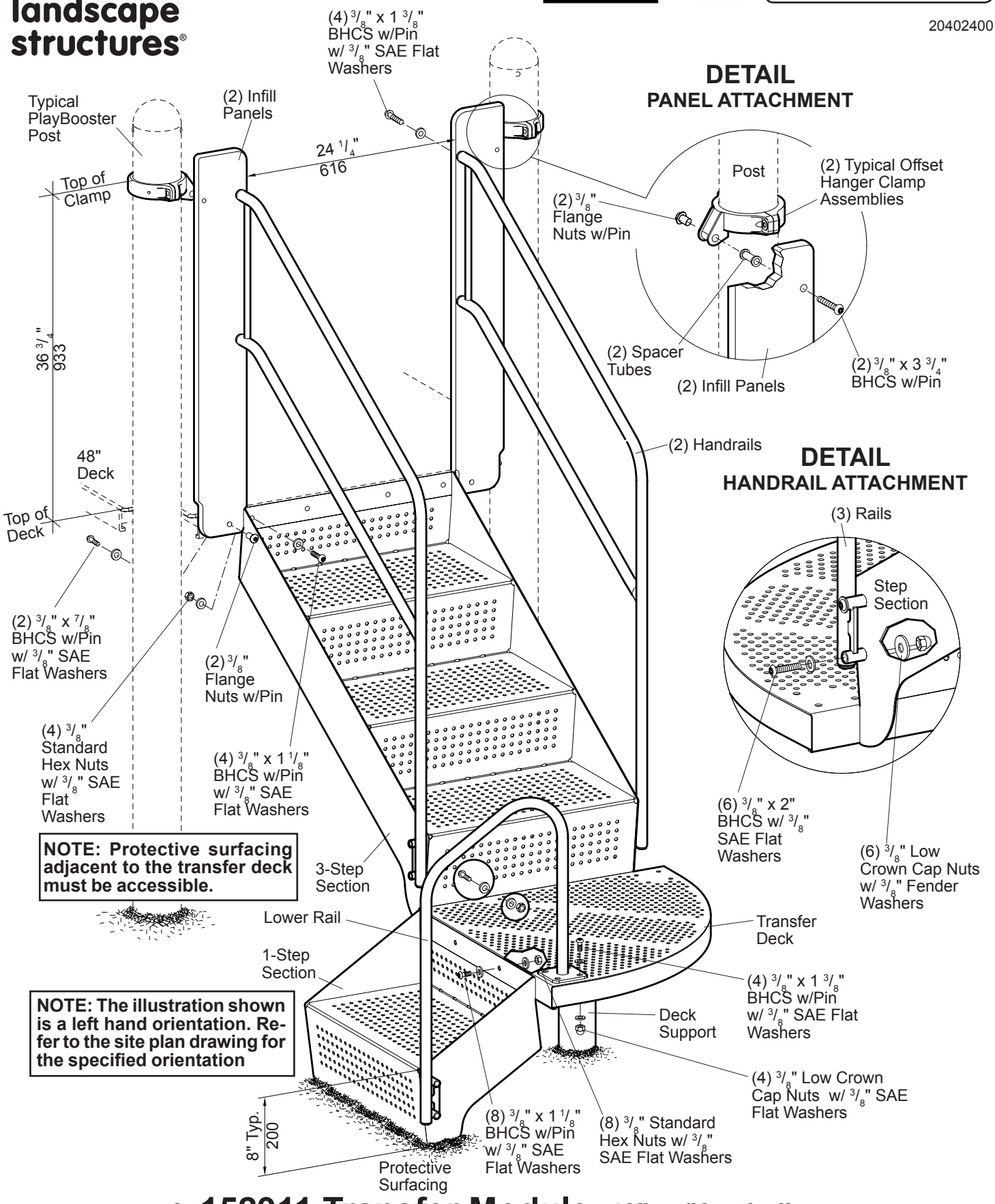
ISO 14001 CERTIFIED

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

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

© 2014 by Landscape Structures. All rights reserved.

Document #24445200

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

landscape structures®

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.

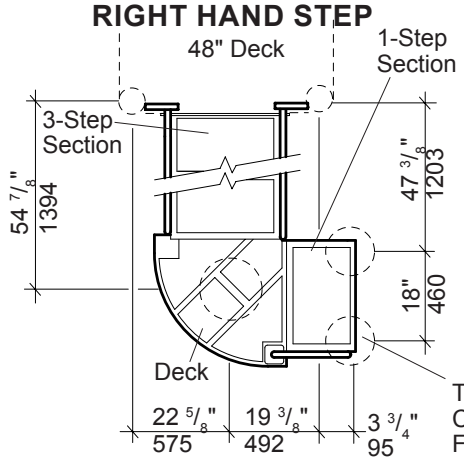
landscape structures®

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

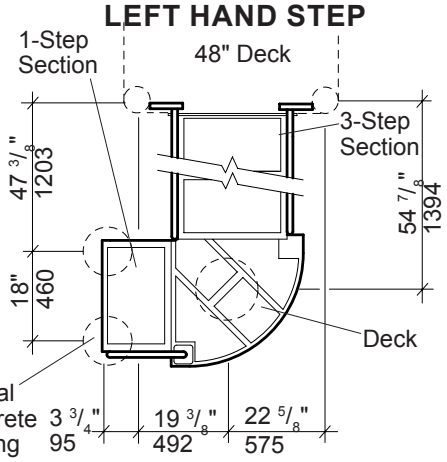
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

204023a

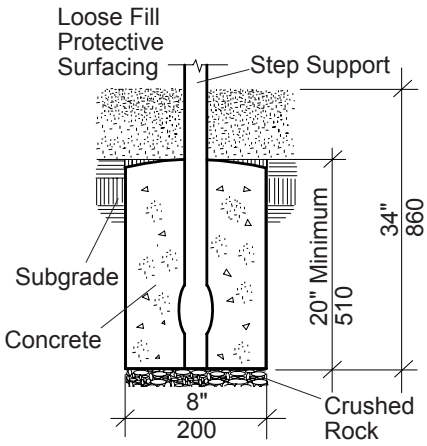
PLAN VIEW FOOTING LAYOUT
RIGHT HAND STEP



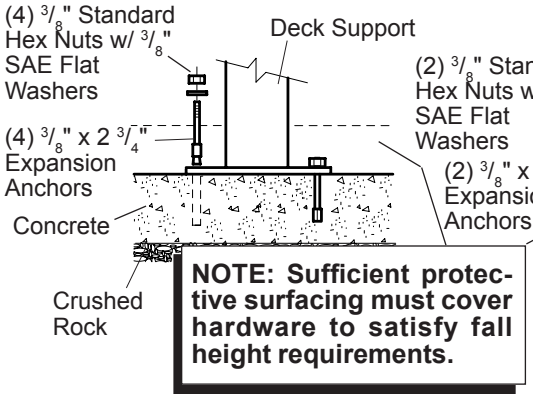
PLAN VIEW FOOTING LAYOUT
LEFT HAND STEP



DETAIL
STEP SUPPORT BURY

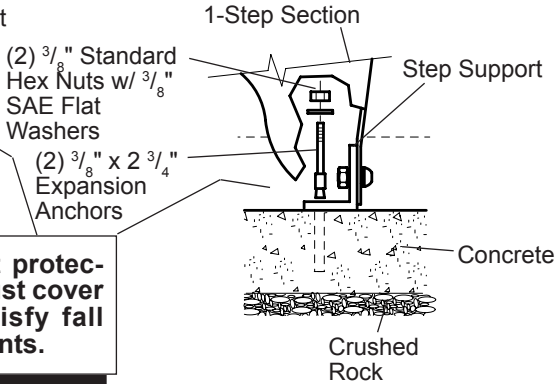


DETAIL
SURFACE MOUNT DECK SUPPORT

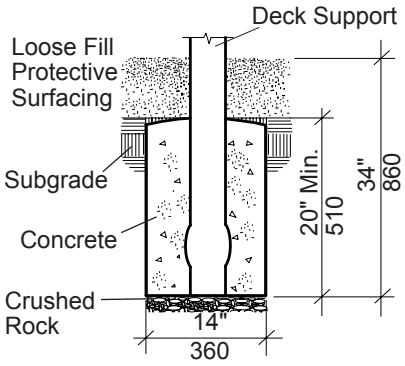


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

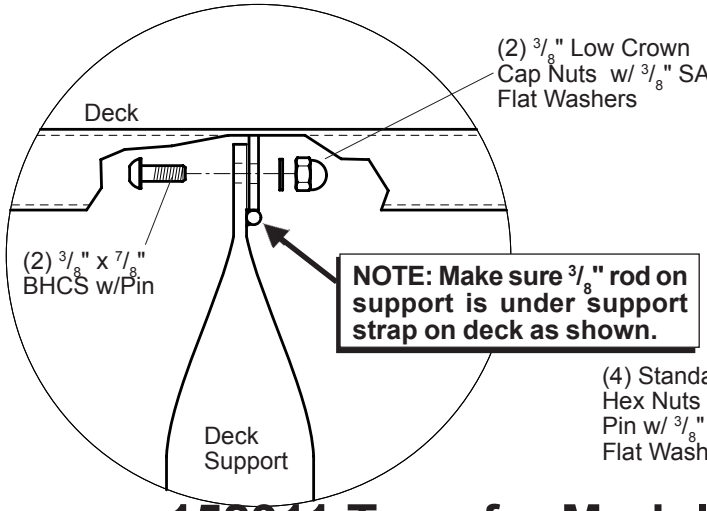
DETAIL
SURFACE MOUNT STEP SUPPORT



DETAIL
DECK SUPPORT BURY

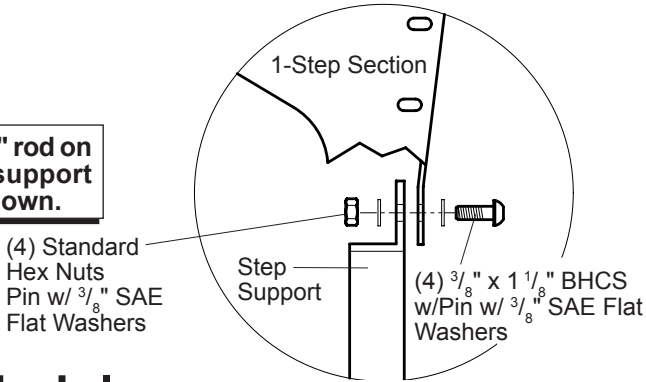


DETAIL
DECK SUPPORT ATTACHMENT



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

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

© 2014 by Landscape Structures. All rights reserved.

Document #24445200

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

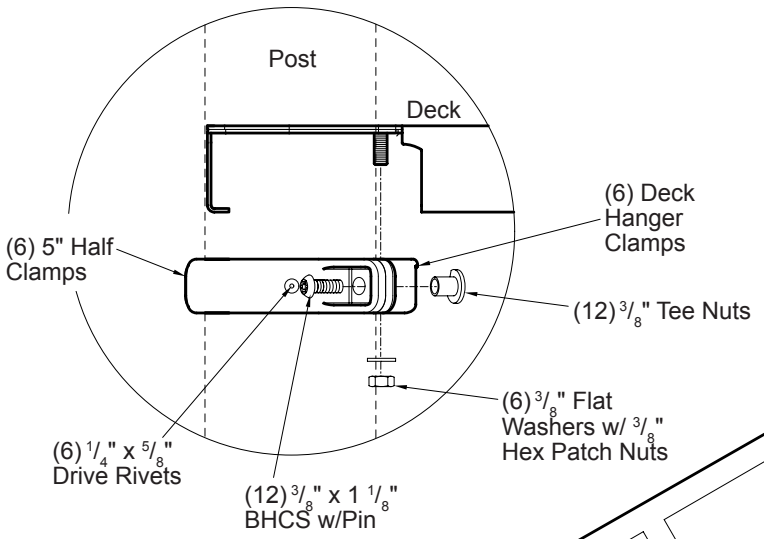
SAFETY NOTE

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.)

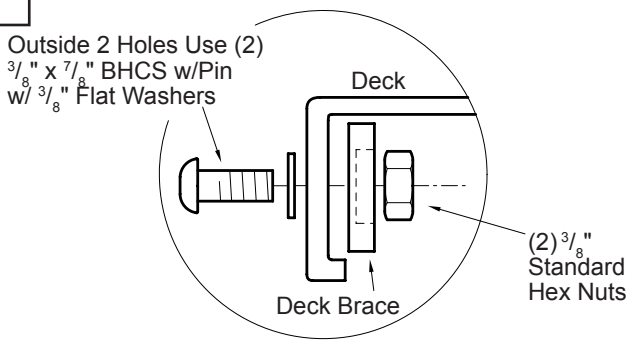
14582700

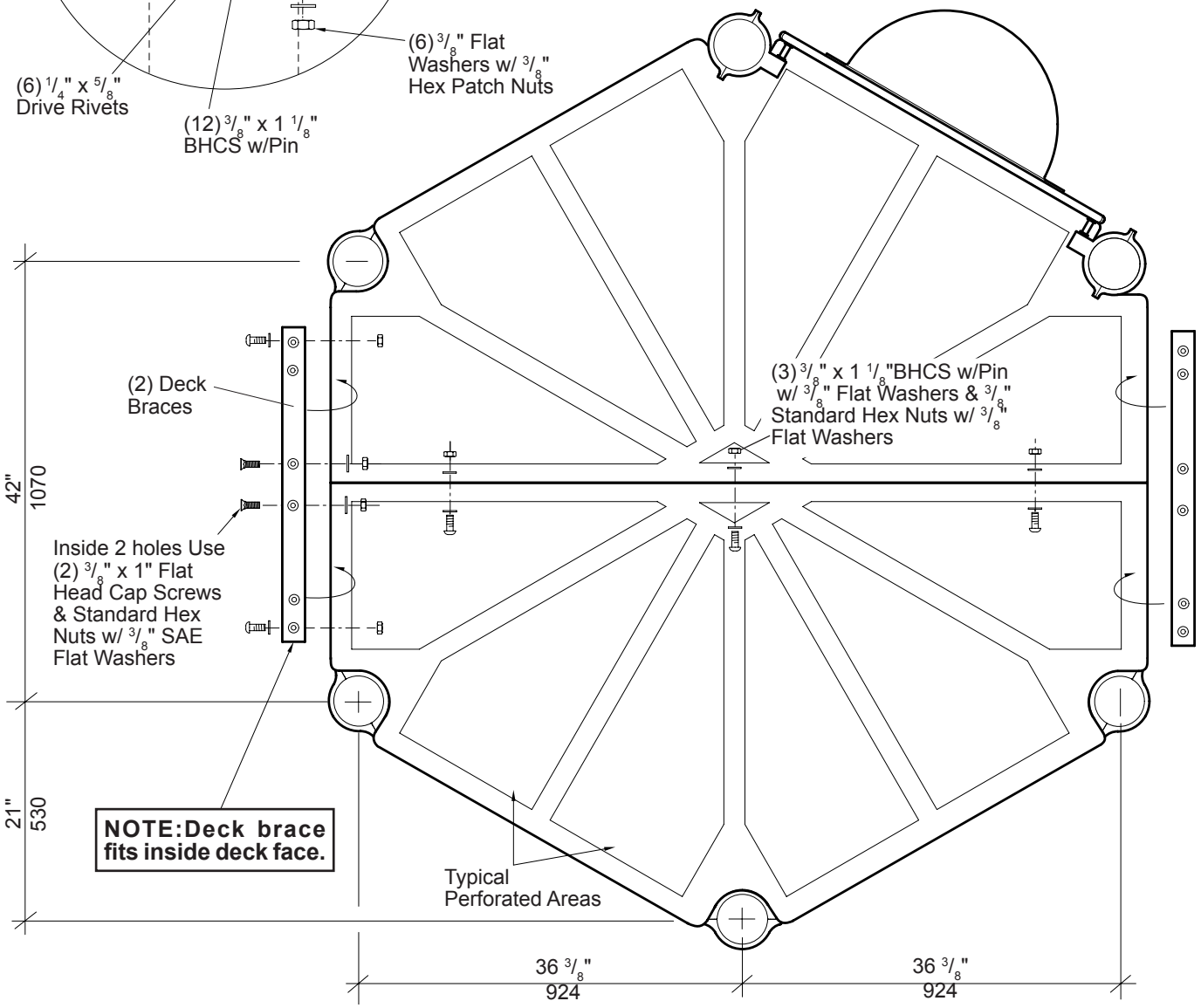
NOTE: When using this deck, ALL enclosures and components are mounted on the OUTSIDE of the posts like the bubble panel shown below.

DETAIL
DECK HANGER CLAMP



DETAIL
DECK BRACE





PlayBooster® 178710 Hexagon Tenderdeck

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

© 2014 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

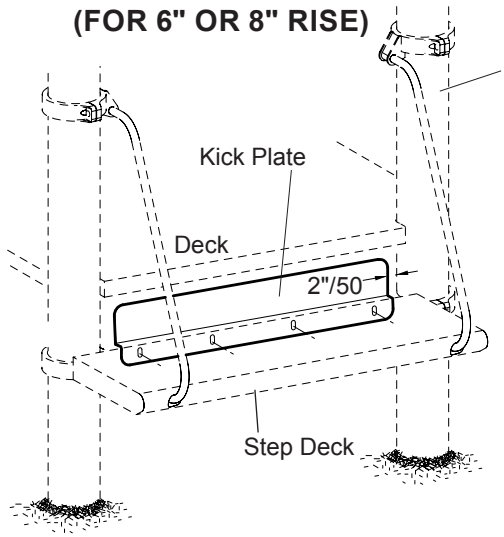
ISO 9001 Certified

SAFETY NOTE

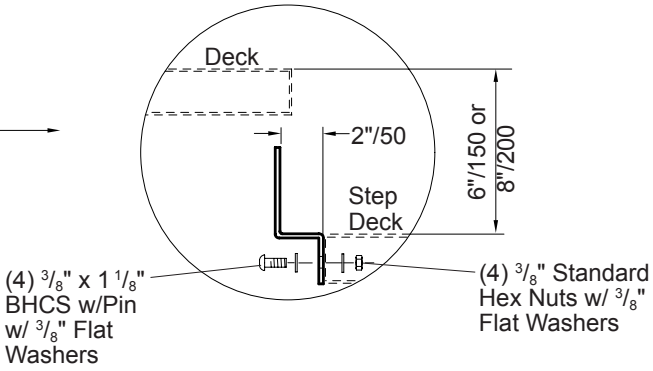
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

16574300

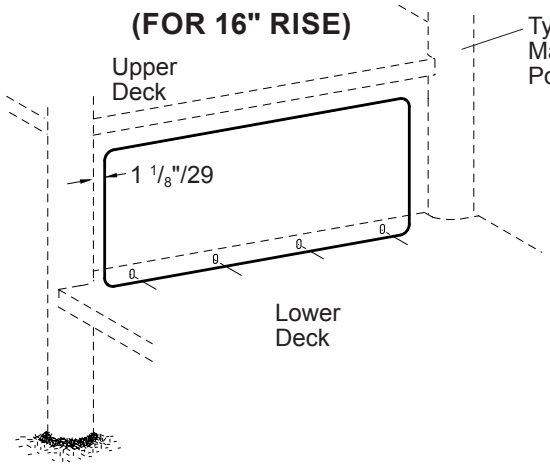
KICK PLATE
(FOR 6" OR 8" RISE)



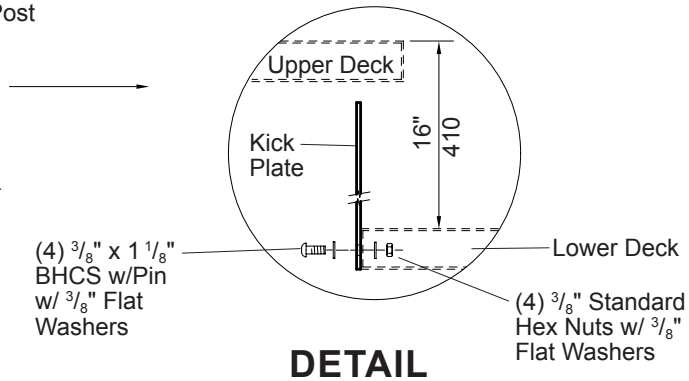
DETAIL
KICK PLATE ATTACHMENT (FOR 6" OR 8" RISE)



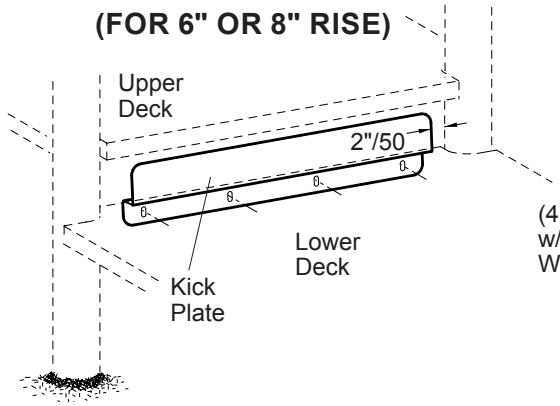
KICK PLATE
(FOR 16" RISE)



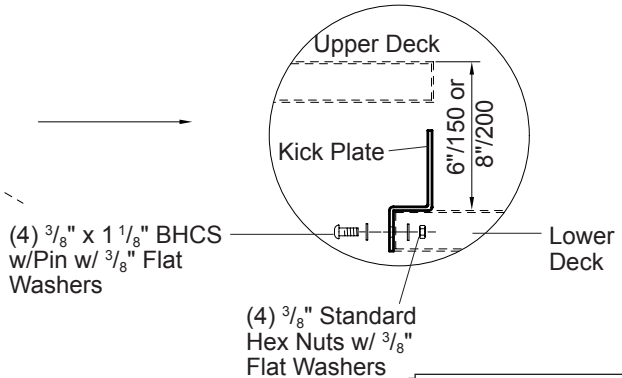
DETAIL
KICK PLATE ATTACHMENT (FOR 16" RISE)



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

© 2011 by Landscape Structures. All rights reserved.

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.

landscape structures®

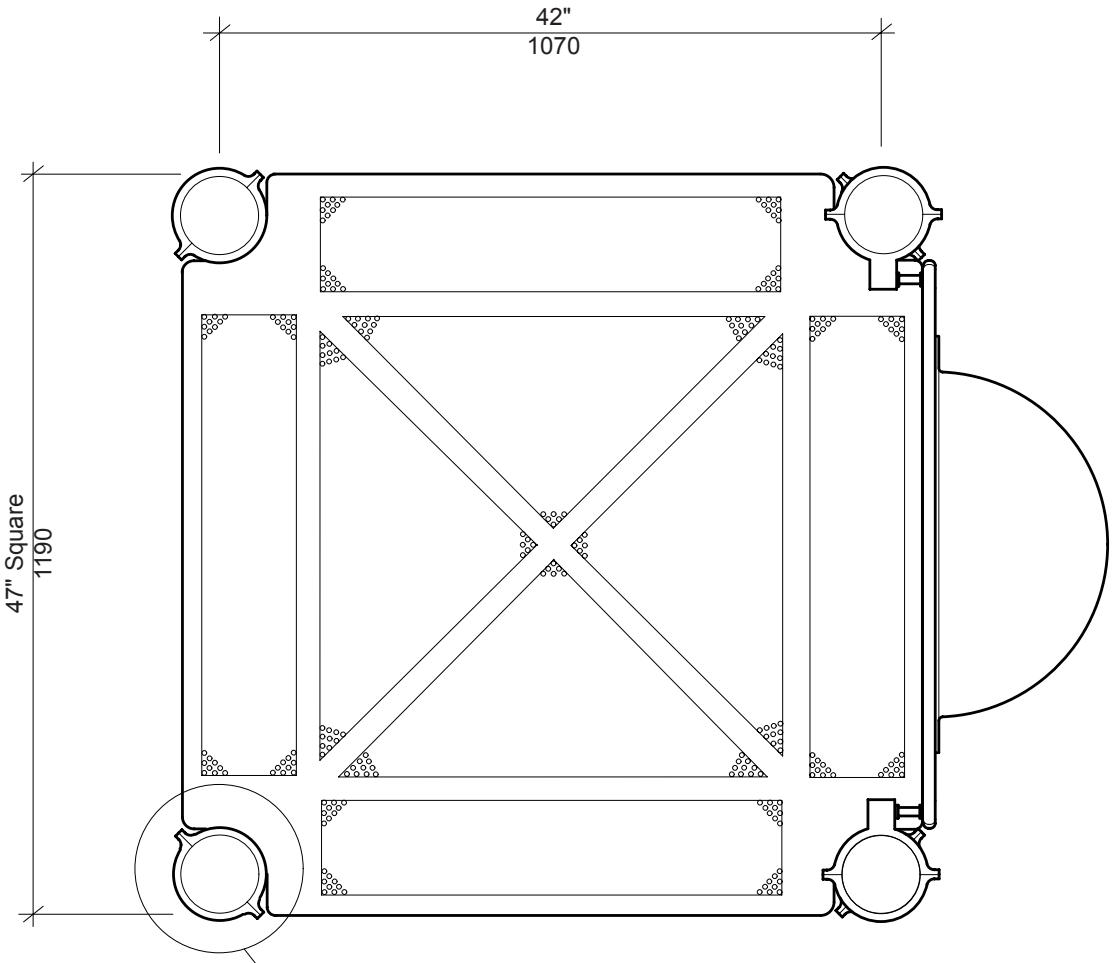
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

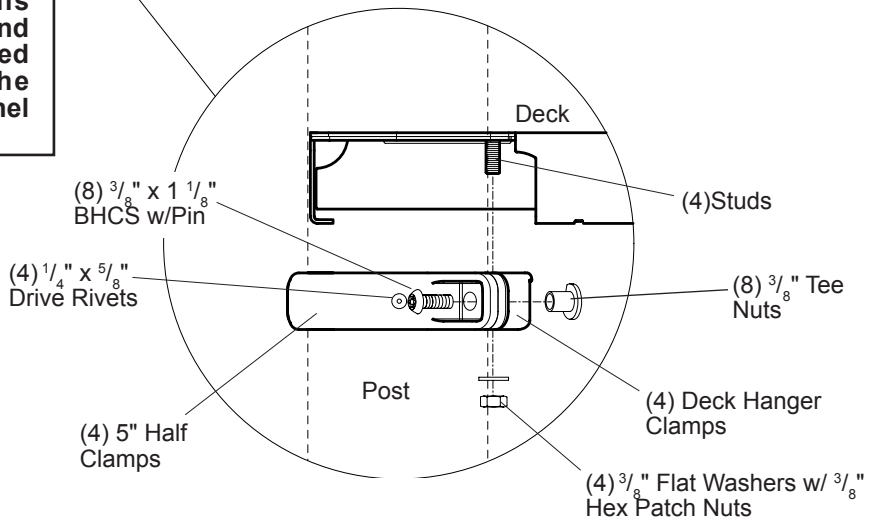
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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

© 2004 by Landscape Structures. All rights reserved.

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.

landscape structures®

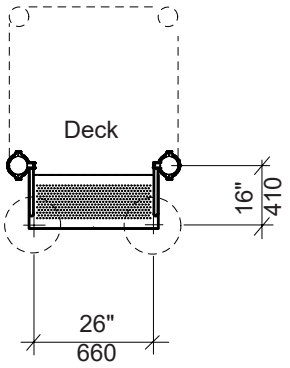
ISO 14001 CERTIFIED

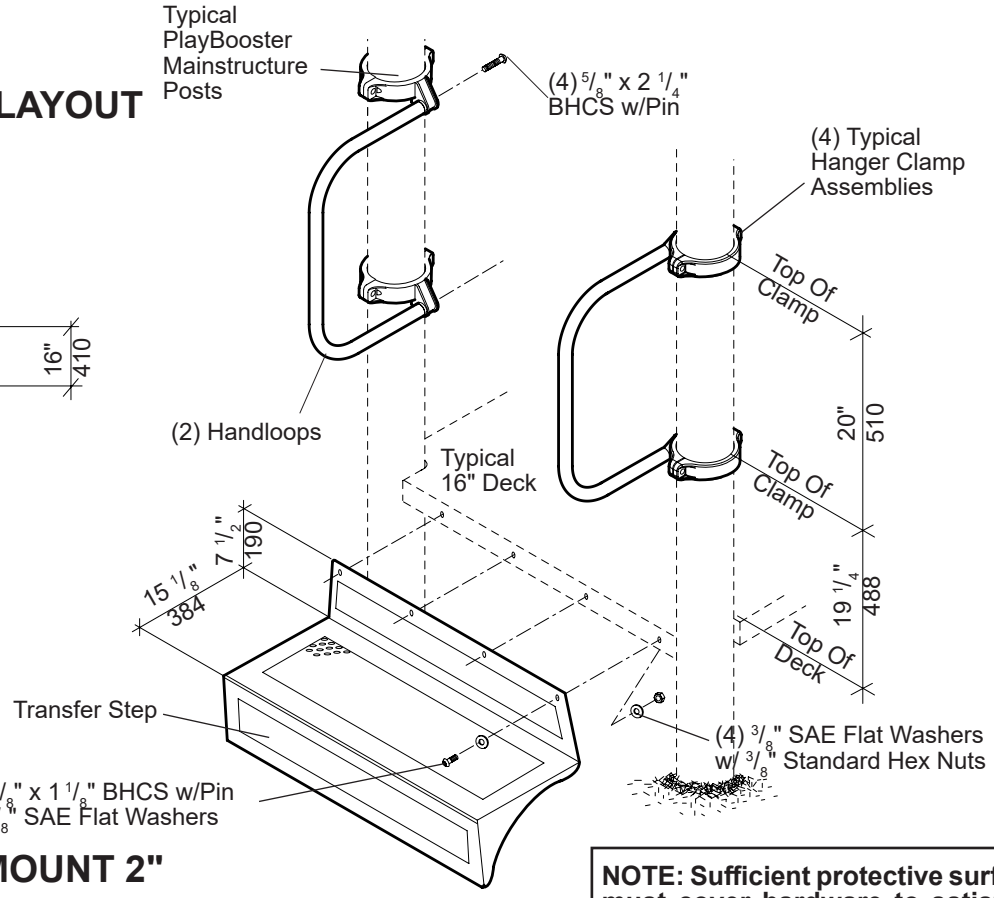
ISO 9001 Certified

SAFETY NOTE

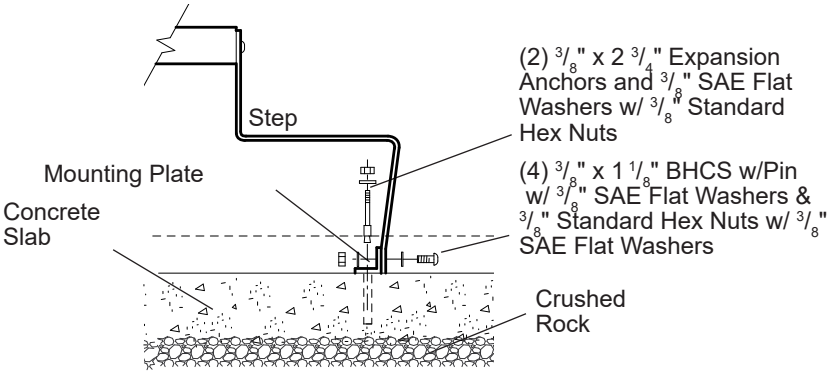
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

PLAN/FOOTING LAYOUT



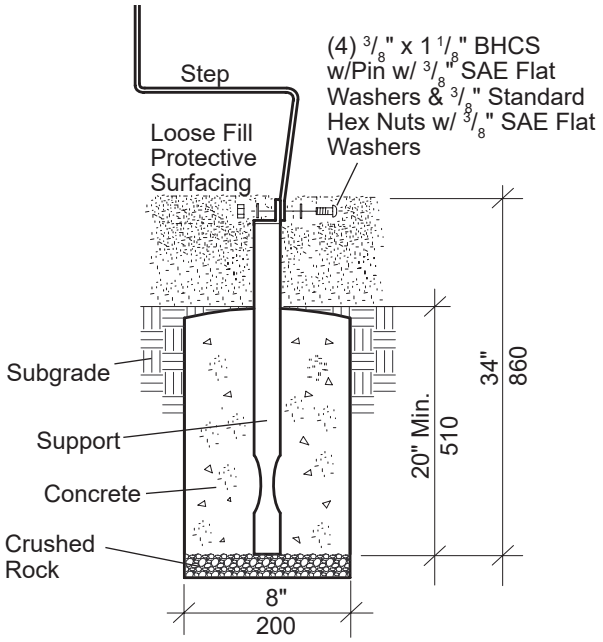


SURFACE MOUNT 2"

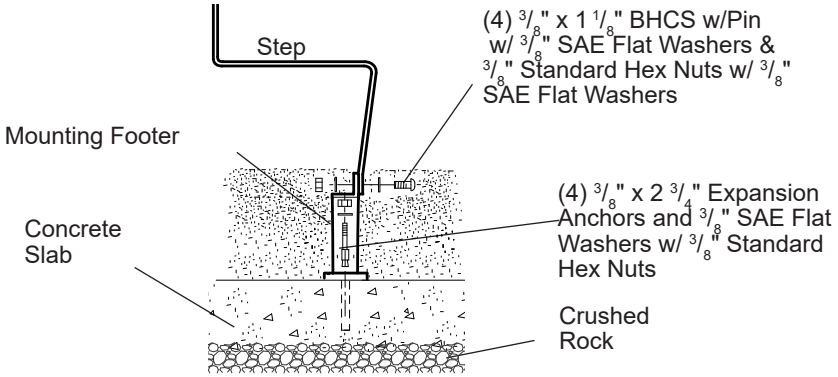


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

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

© 2021 by Landscape Structures. All rights reserved.

Document #30243500

PlayBooster® 185852 Transfer Step, w/Handloops

landscape structures®

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

landscape structures®

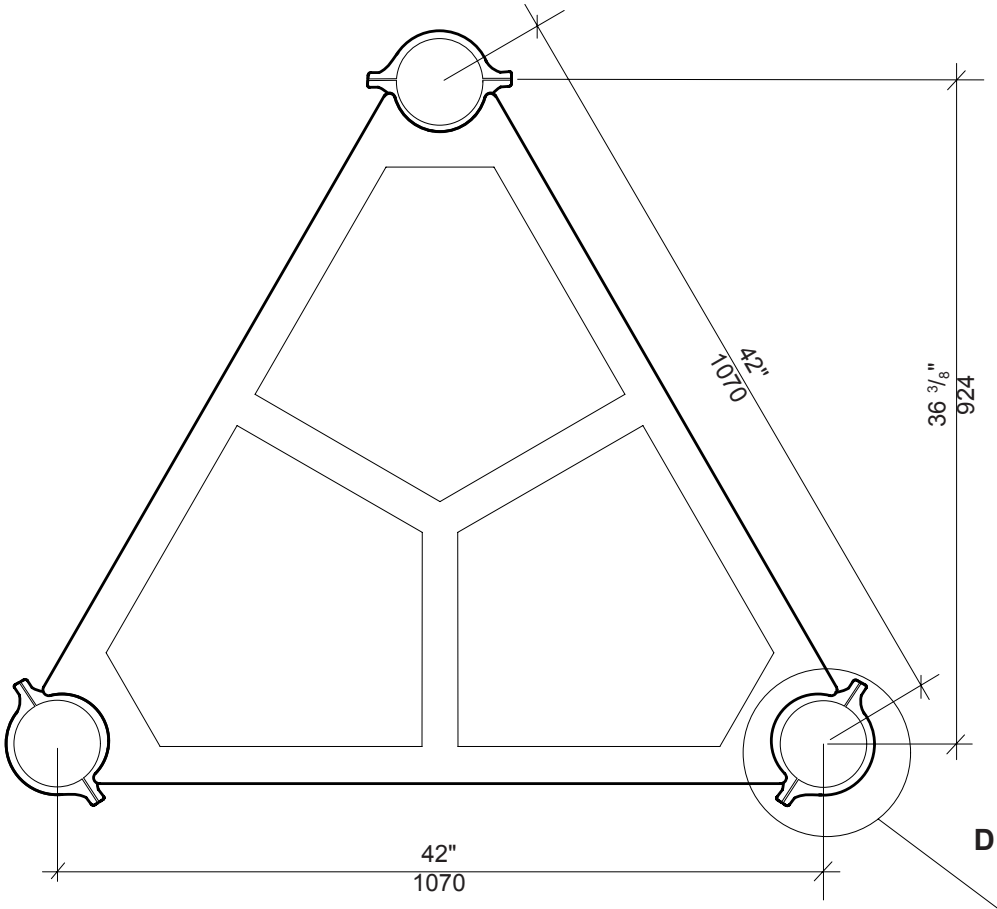
ISO 14001 CERTIFIED

ISO 9001 Certified

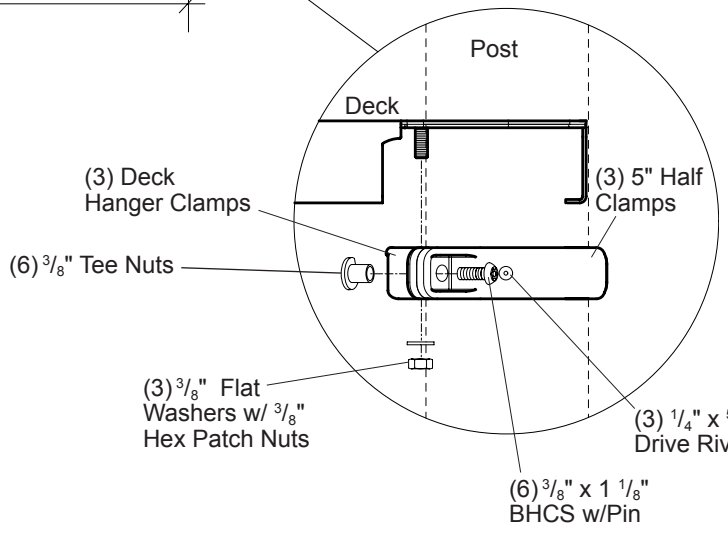
SAFETY NOTE

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.)

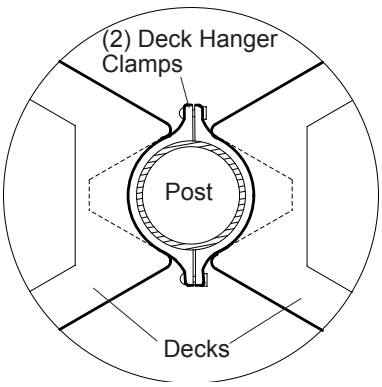
14582400



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

© 2004 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

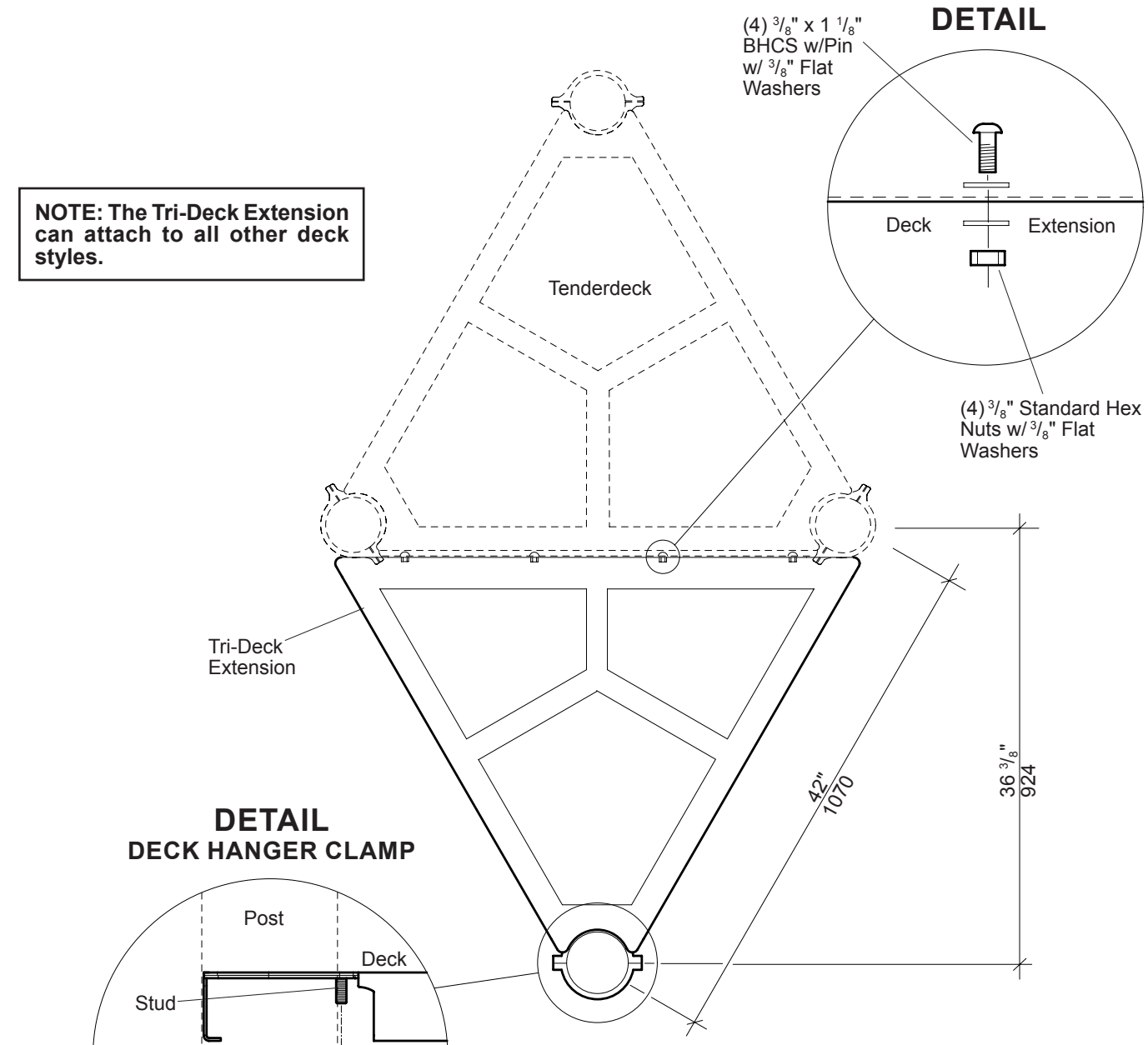
ISO 9001 Certified

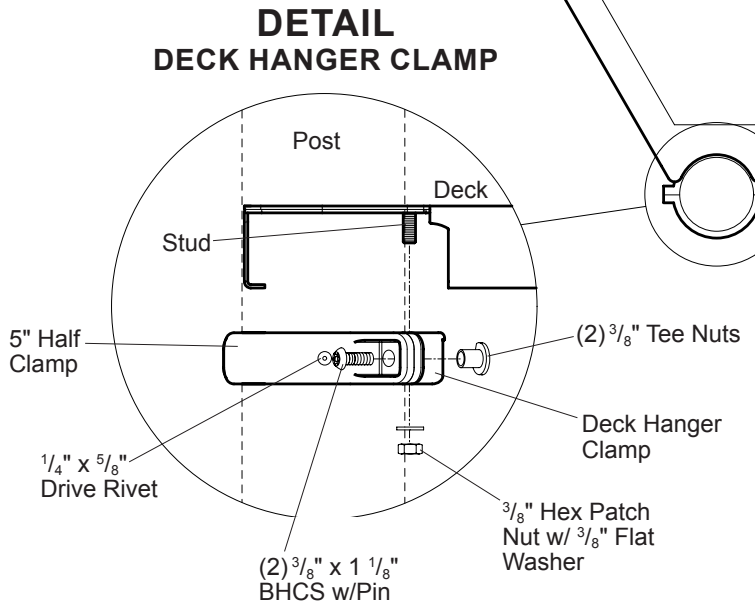
SAFETY NOTE

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.)

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

© 2004 by Landscape Structures. All rights reserved.

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.

landscape structures®

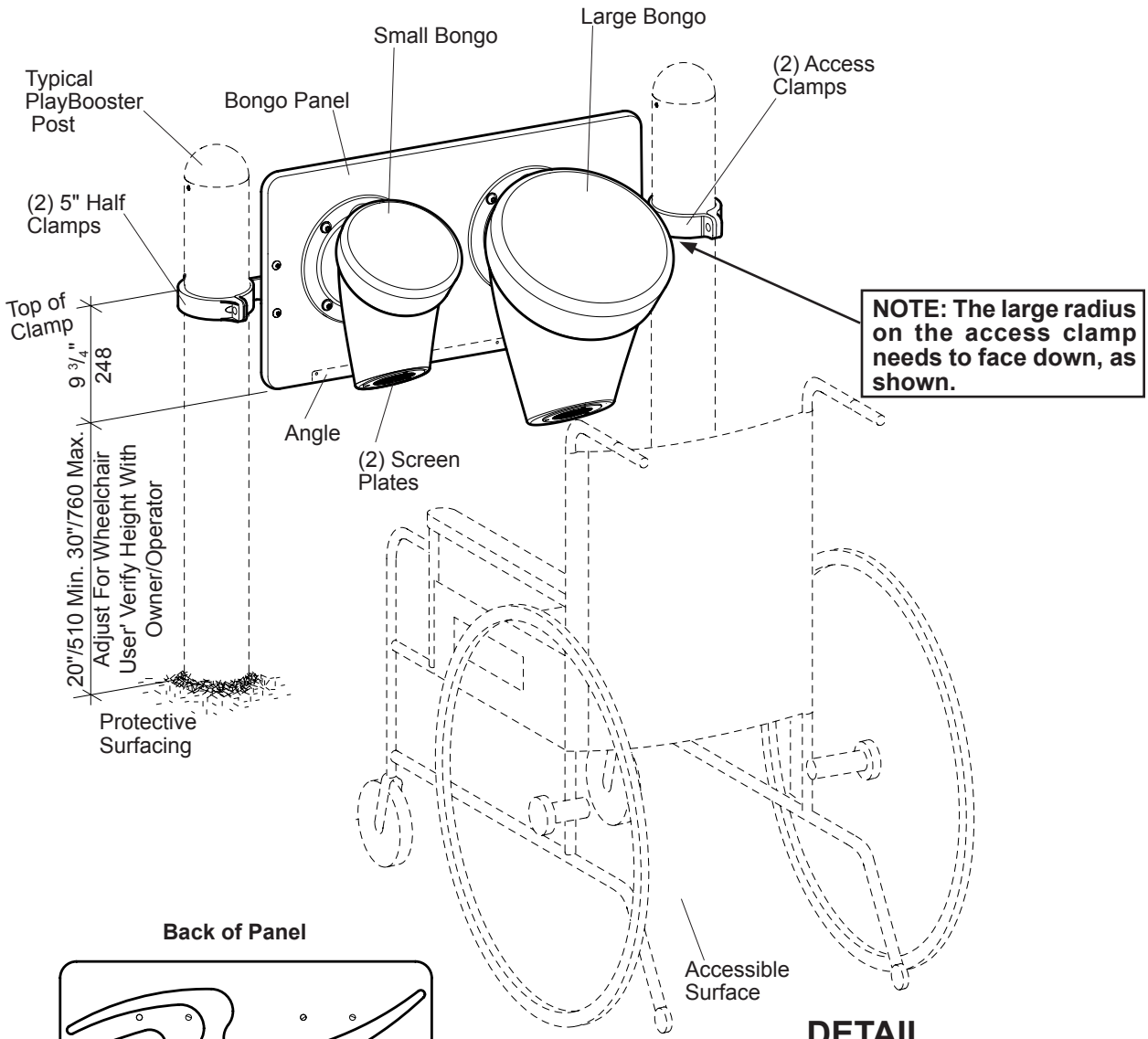
ISO 14001 CERTIFIED

ISO 9001 Certified

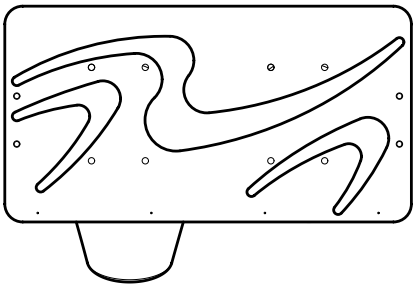
SAFETY NOTE

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.)

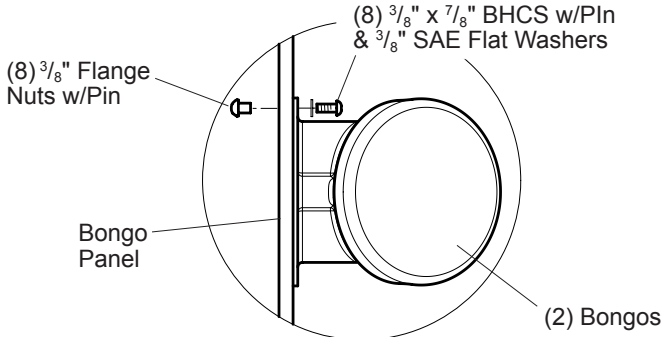
16610200



Back of Panel



DETAIL
BONGO ATTACHMENT



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

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

© 2015 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

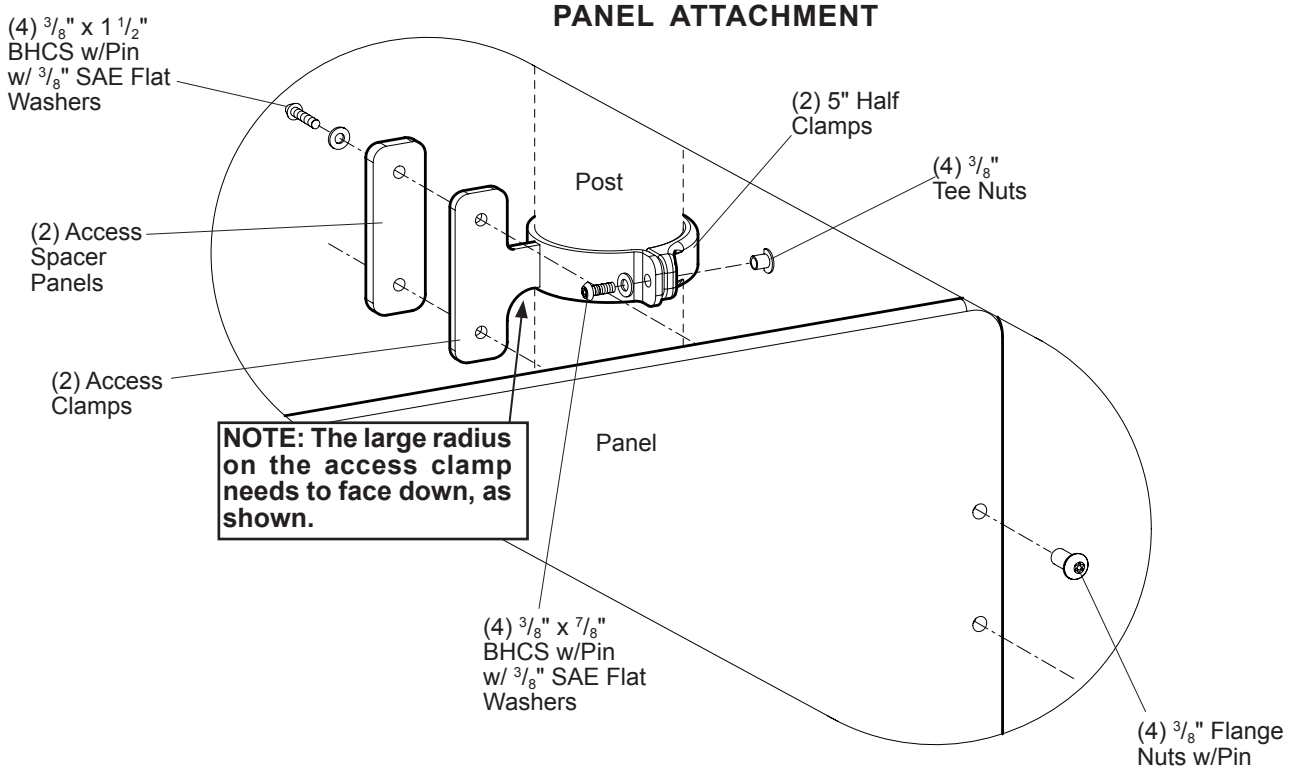
ISO 9001 Certified

SAFETY NOTE

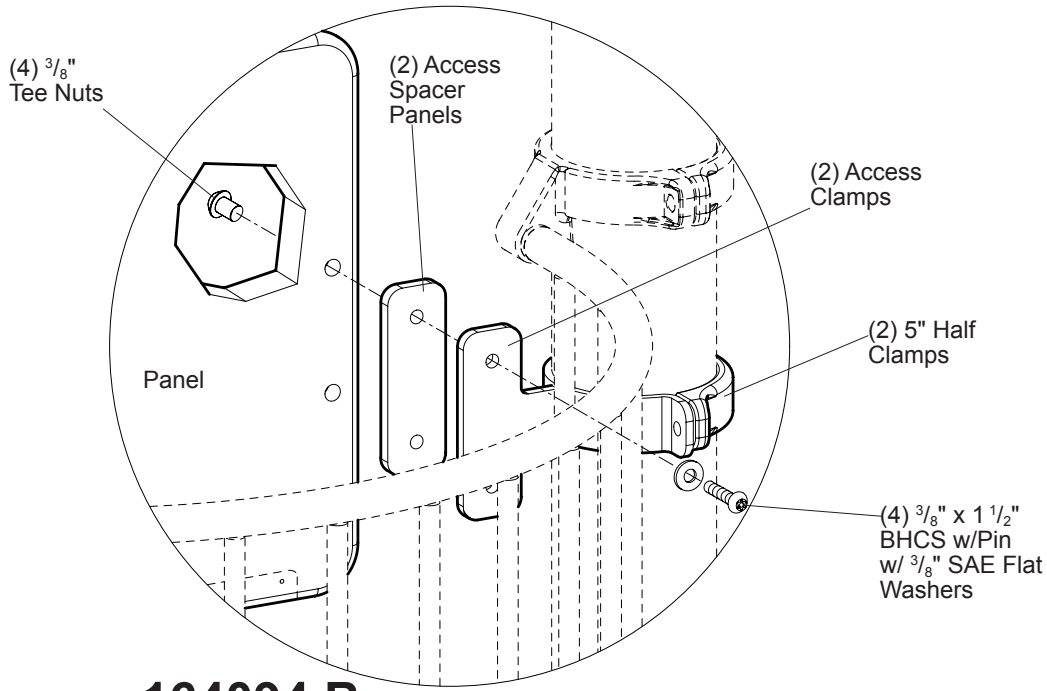
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

212995b

DETAIL
PANEL ATTACHMENT



DETAIL
PANEL ATTACHMENT
(WITH BALCONY DECK)



PlayBooster®

164094 Bongo, Reach Panel

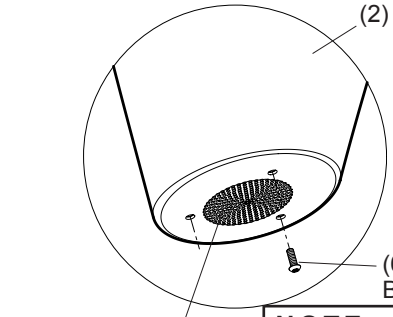
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2015 by Landscape Structures. All rights reserved.

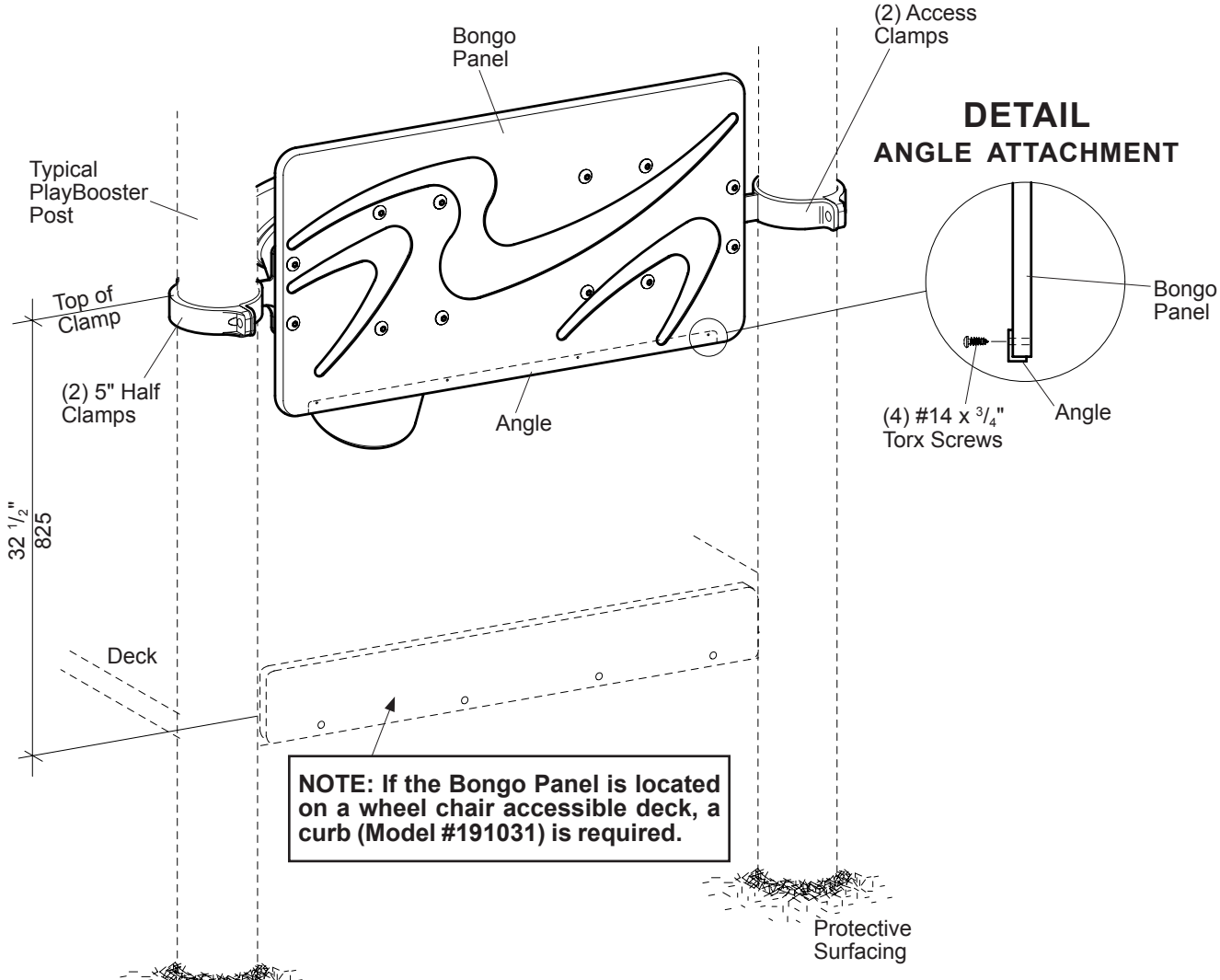
Document #21299200

landscape structures®

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

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

© 2015 by Landscape Structures. All rights reserved.

landscape structures®

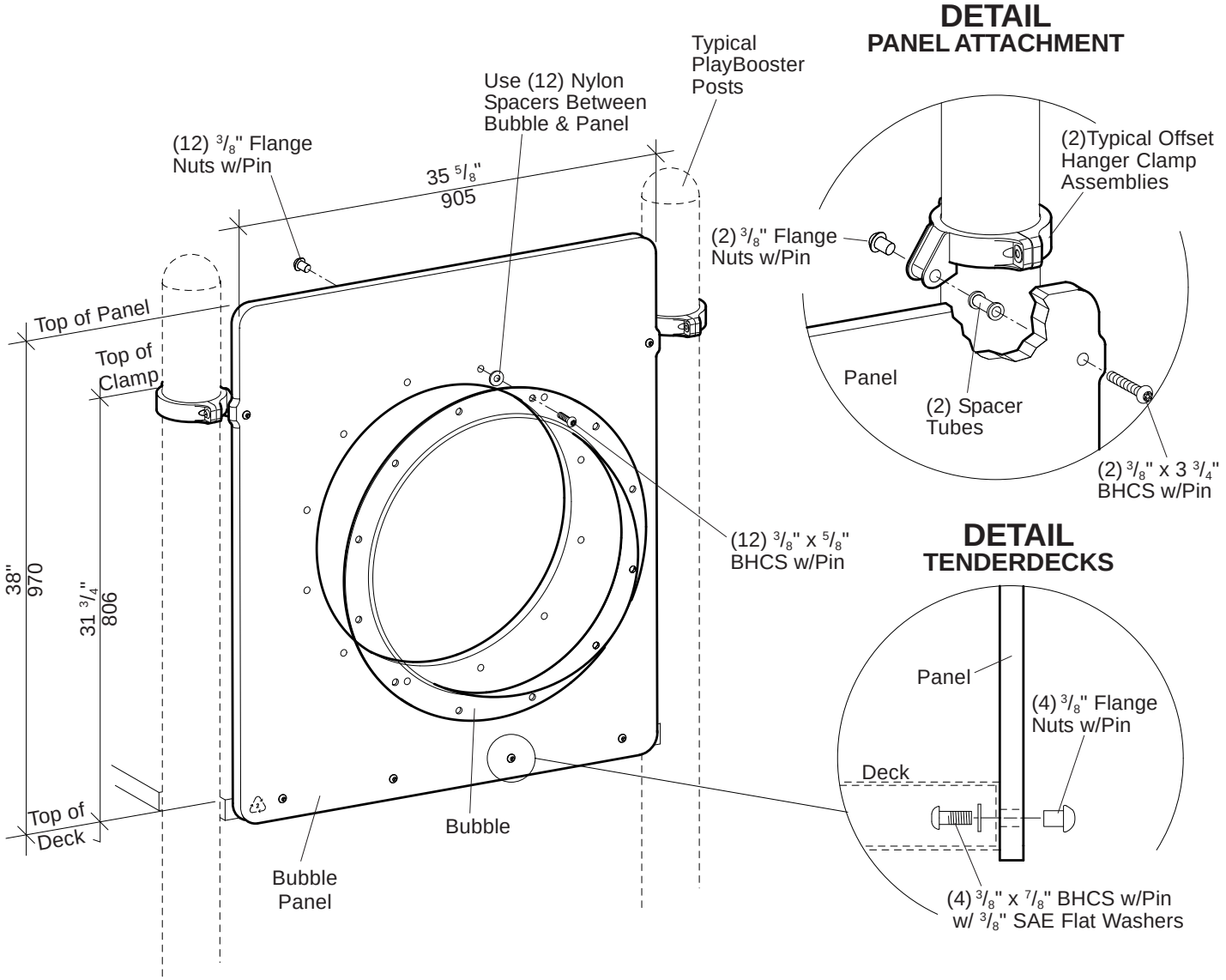
ISO 14001 CERTIFIED

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*.)

13391700



DECK MOUNT

PlayBooster®

115223 Bubble 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

© 2001 by Landscape Structures. All rights reserved.

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.

landscape structures®

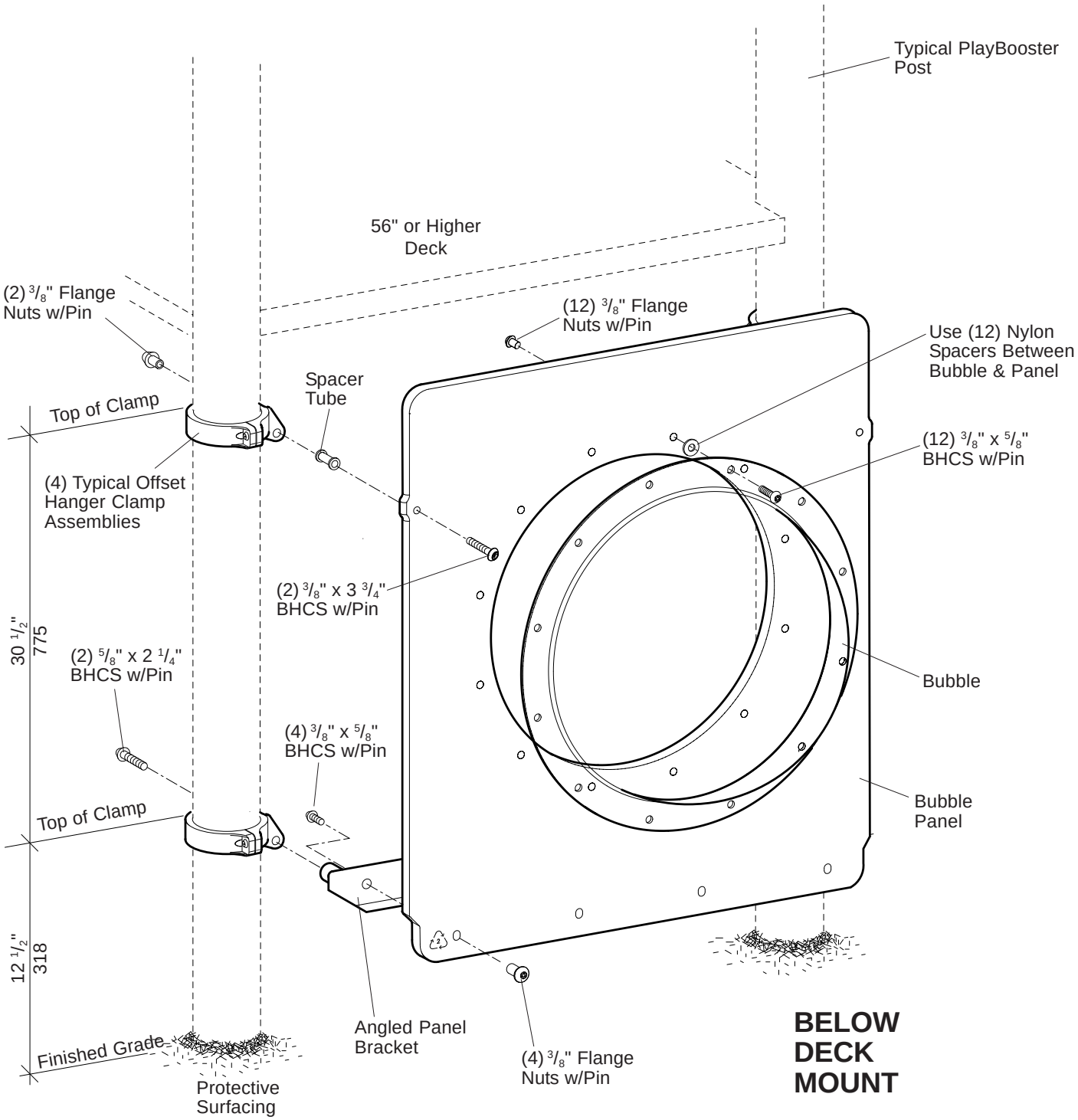
ISO 14001 CERTIFIED

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*.)

130625a0



PlayBooster®

115223 Bubble 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

© 2001 by Landscape Structures. All rights reserved.

Document #13391700

landscape structures®

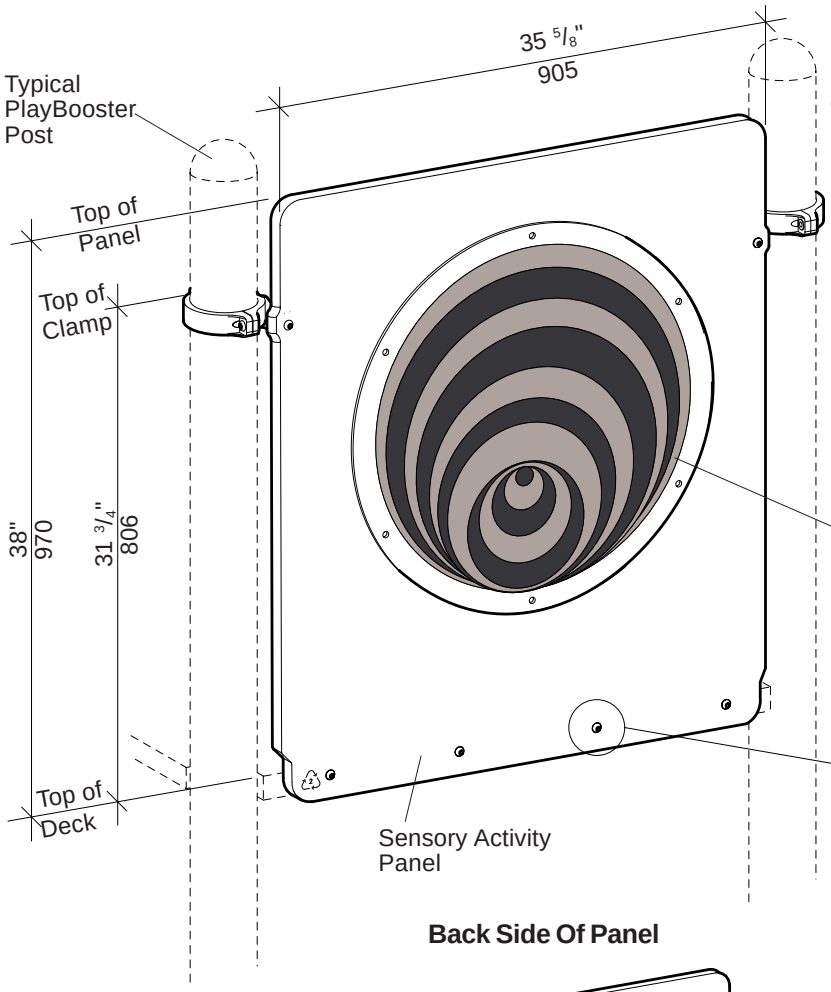
ISO 14001 CERTIFIED

ISO 9001 Certified

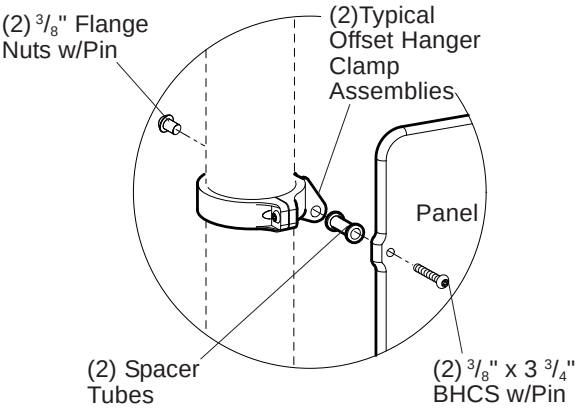
SAFETY NOTE

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*.)

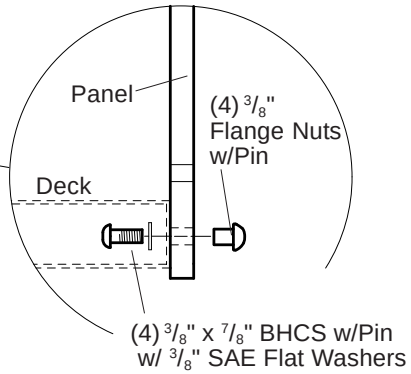
18427800



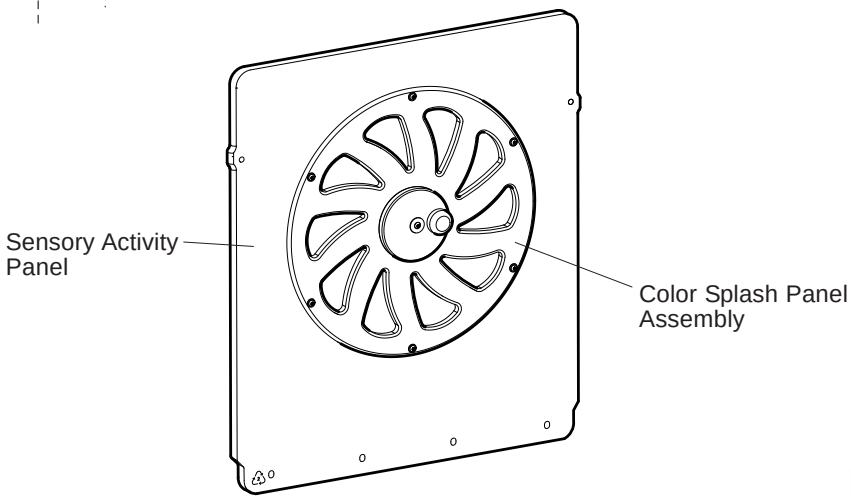
DETAIL
PANEL ATTACHMENT



DETAIL
TENDERDECKS



Back Side Of Panel



DECK MOUNT

PlayBooster®

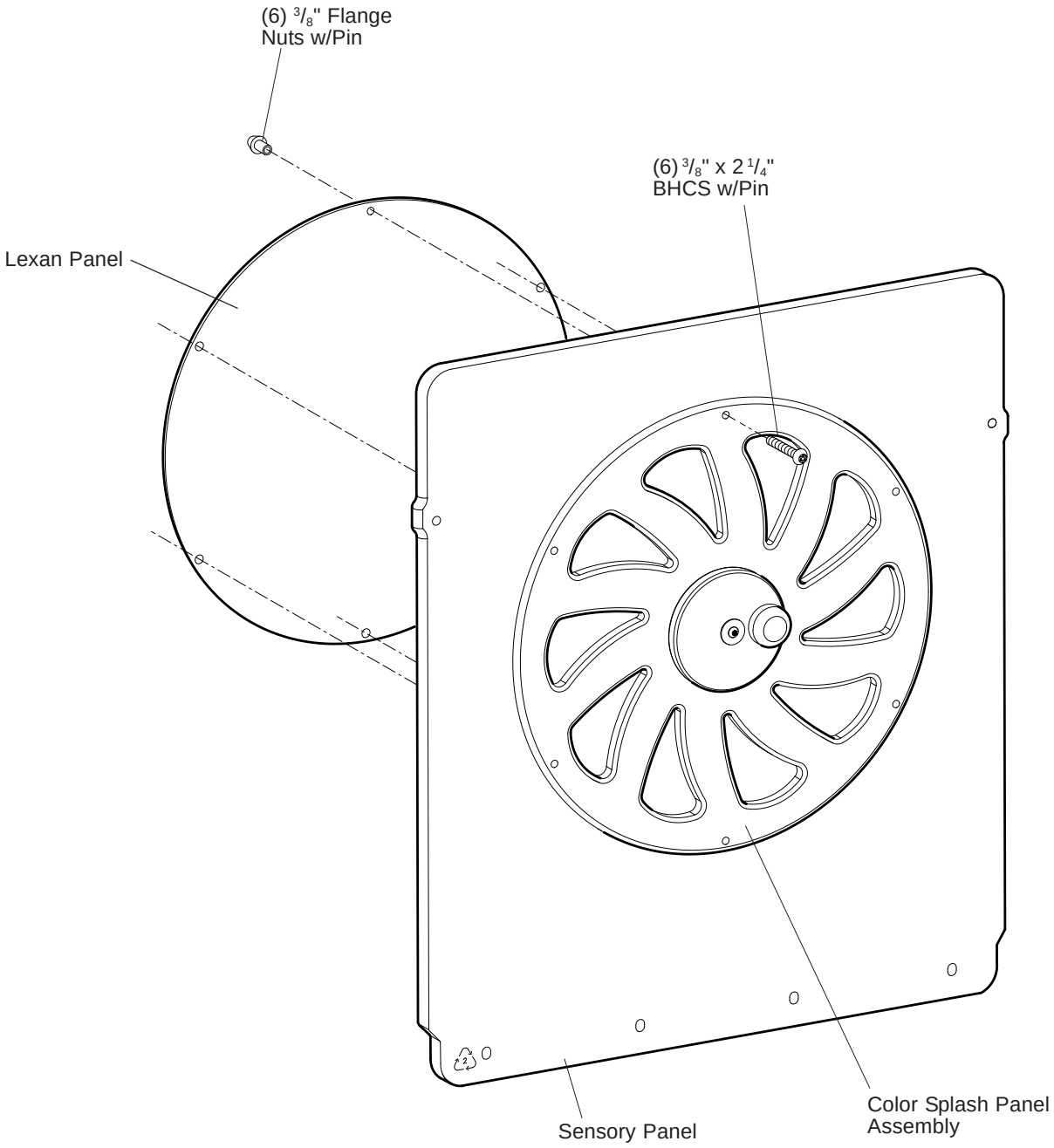
177712 Color Splash Panel™

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

© 2012 by Landscape Structures. All rights reserved.

landscape structures®

184278a



PlayBooster®

177712 Color Splash 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

© 2012 by Landscape Structures. All rights reserved.

landscape structures®

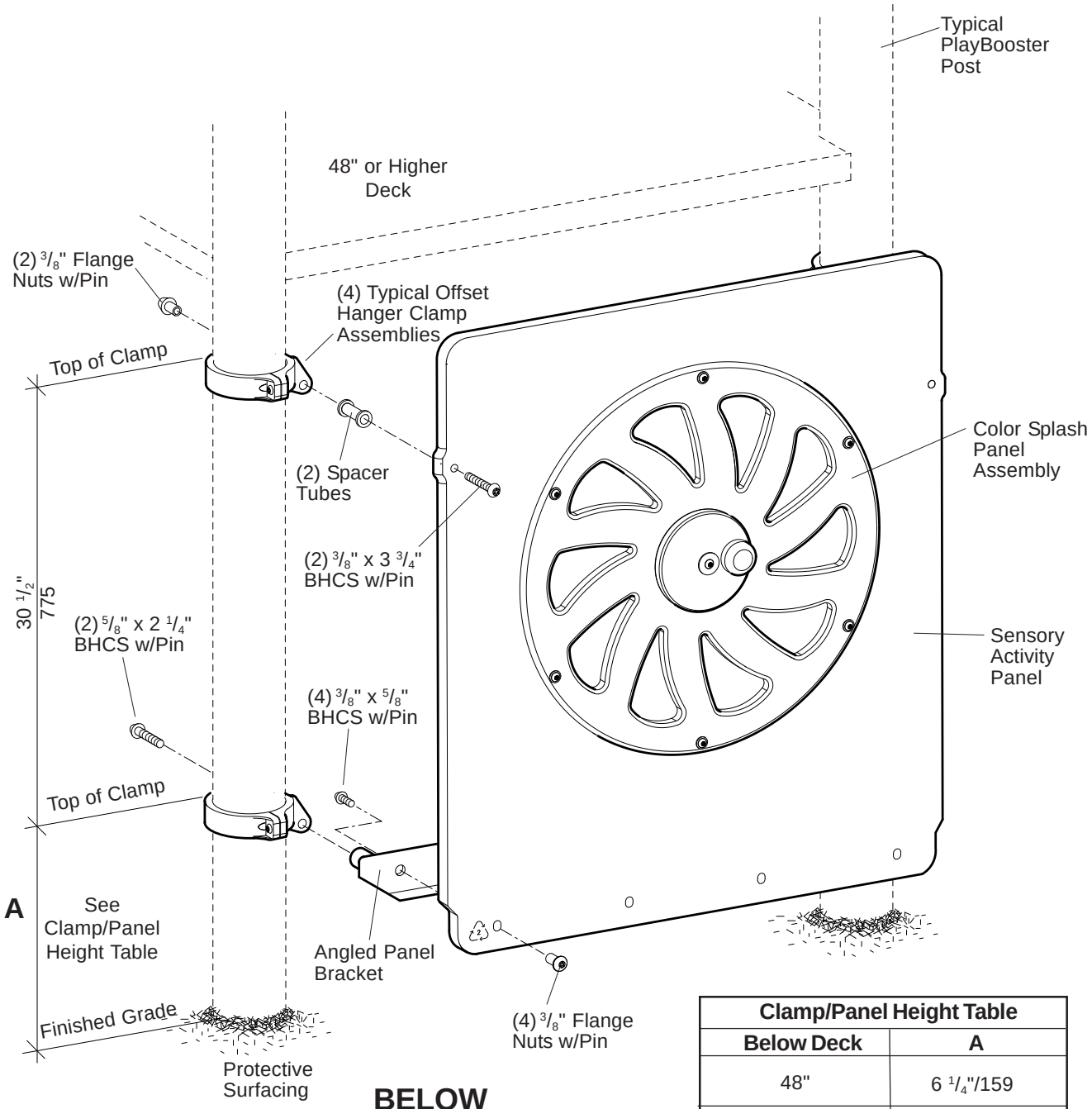
ISO 14001 CERTIFIED

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

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

© 2012 by Landscape Structures. All rights reserved.

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.

landscape structures®

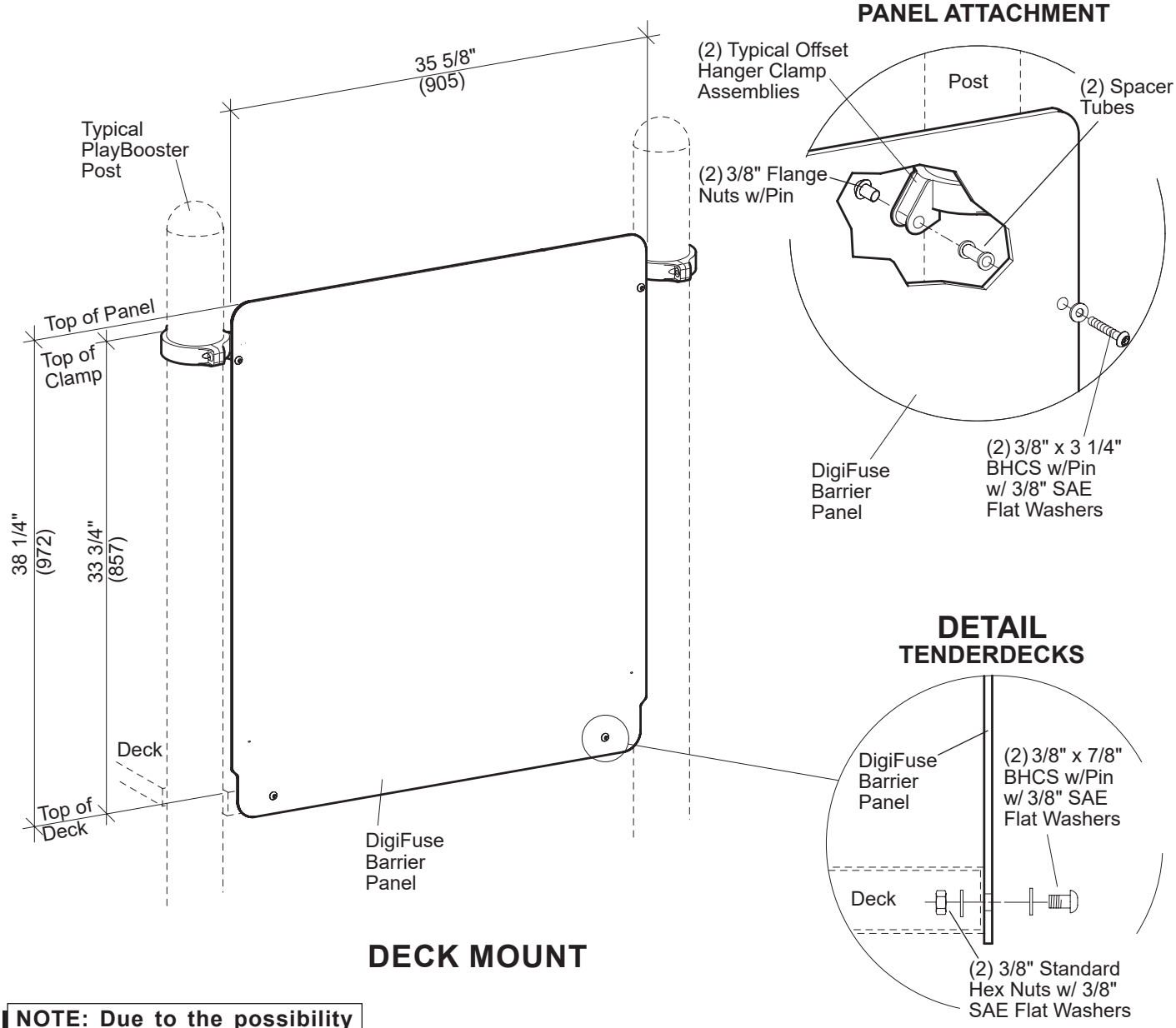
ISO 14001 CERTIFIED

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.)

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

© 2016 by Landscape Structures. All rights reserved.

Document #21814800

PlayBooster® 217909 DigiFuse® Barrier Panel

landscape structures®

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

landscape structures®

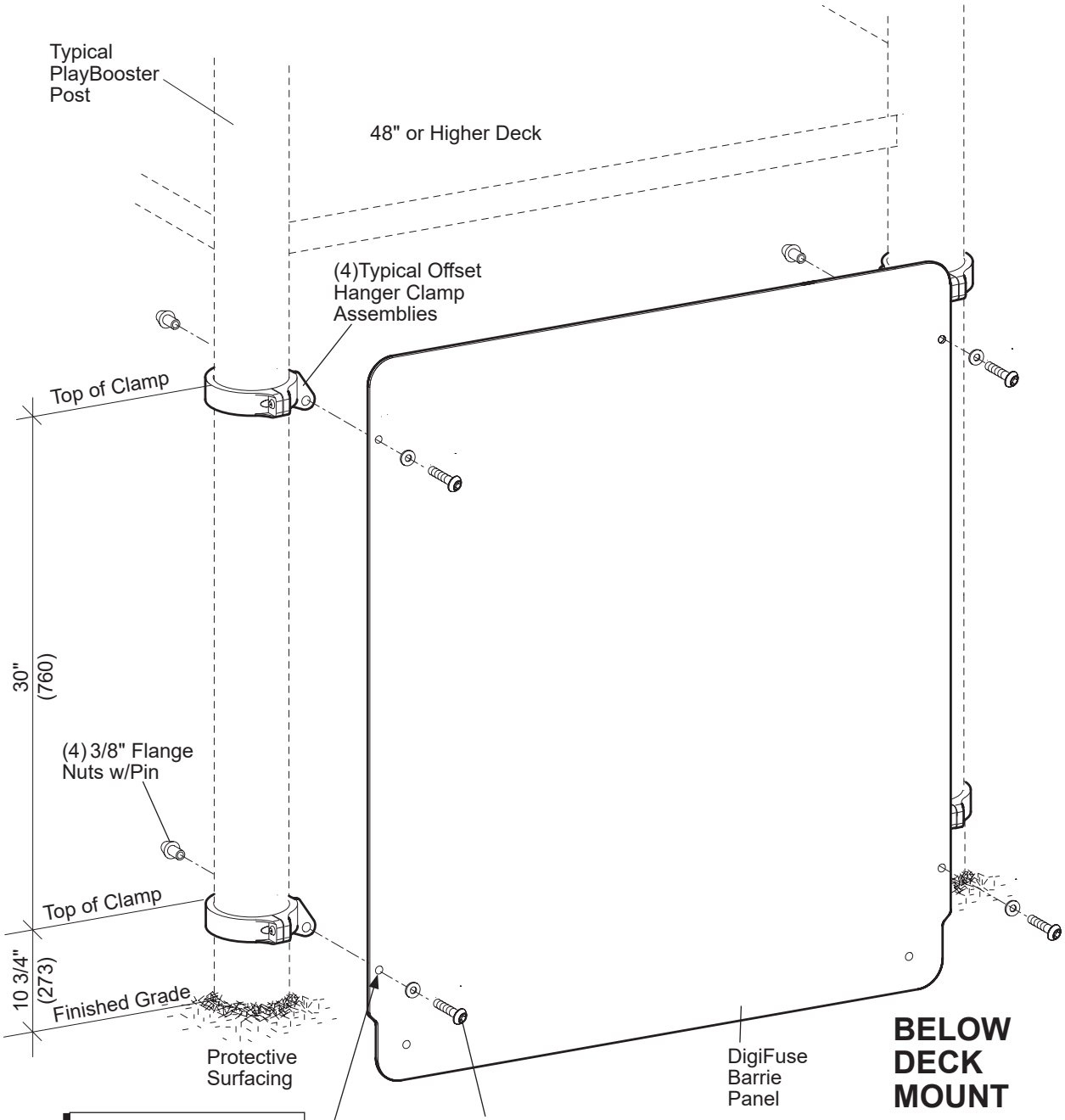
ISO 14001 CERTIFIED

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.)

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

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

© 2016 by Landscape Structures. All rights reserved.

Document #21814800

landscape structures®

ISO 14001 CERTIFIED

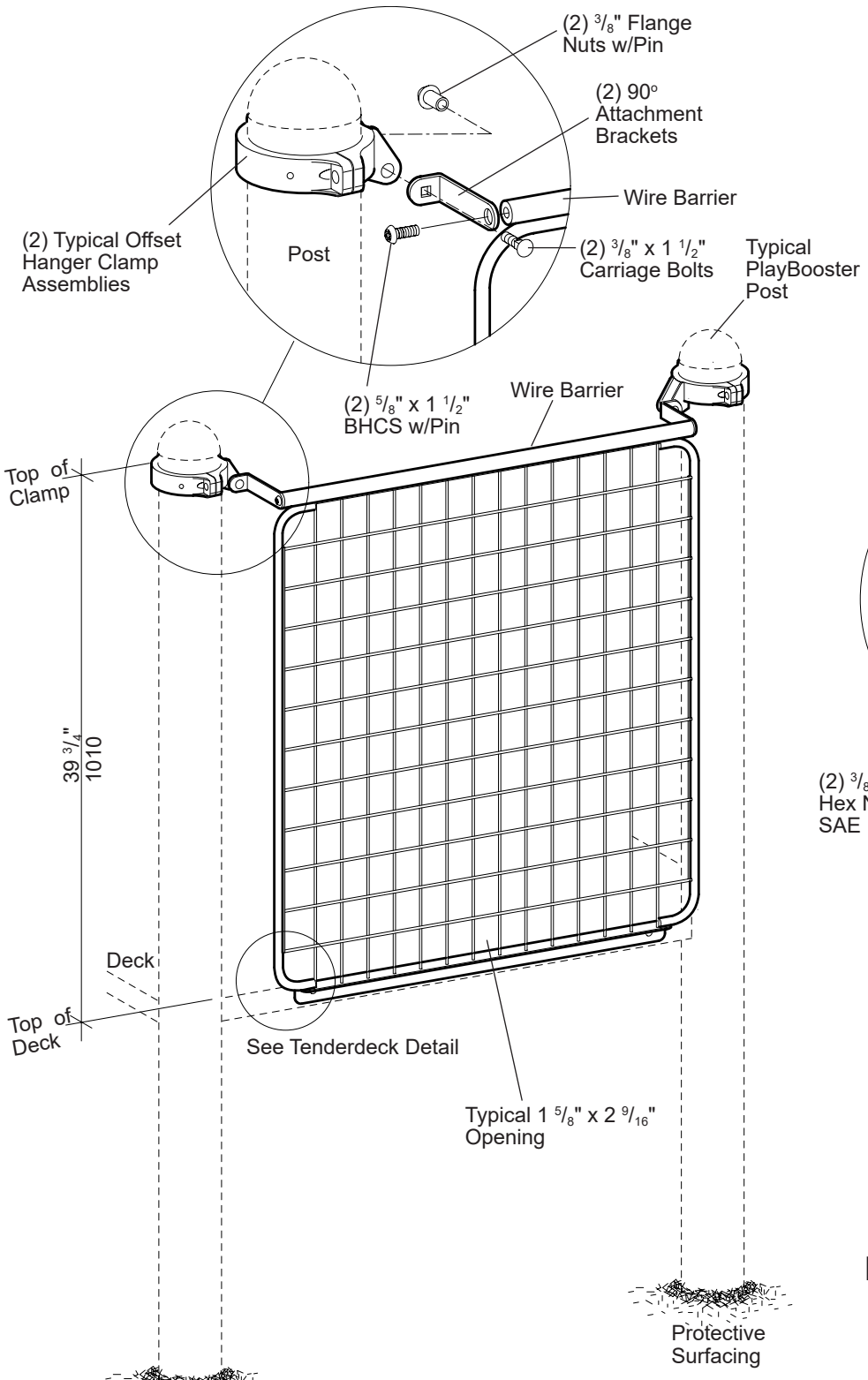
ISO 9001 Certified

SAFETY NOTE

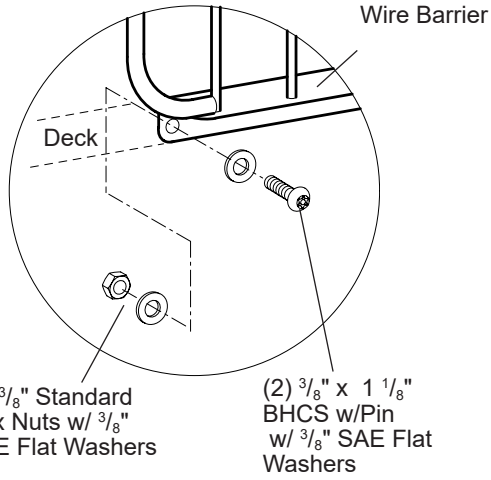
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

6-6-01
13517900

DETAIL
90° ATTACHMENT BRACKETS



DETAIL
TENDERDECKS



DECK MOUNT

PlayBooster®

120314 Wire Barrier

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

© 2001 by Landscape Structures. All rights reserved.

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)

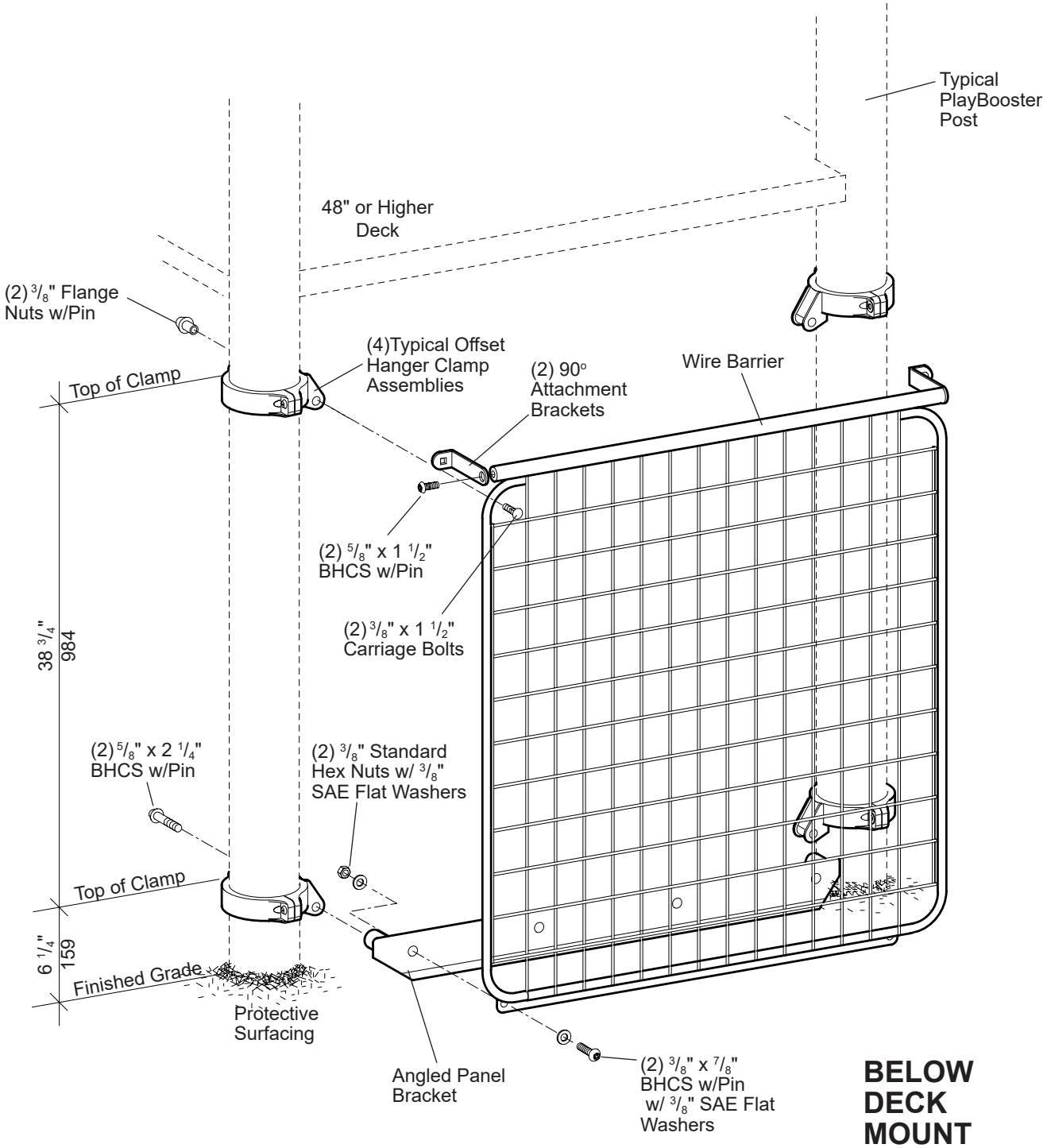
1) Attach the wire barrier to the face of the deck, using 3/8" x 1 1/8" BHCS w/pin with 3/8" SAE flat washers and 3/8" standard hex nuts with 3/8" SAE flat washers. Refer to the Tenderdeck Detail.
2) Attach the offset hanger clamp assemblies to the posts, using 5" half clamps and 3/8" x 1 1/8" BHCS w/pin 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".

landscape structures®



BELOW DECK MOUNT

PlayBooster®

120314 Wire Barrier

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

© 2001 by Landscape Structures. All rights reserved.

landscape structures®

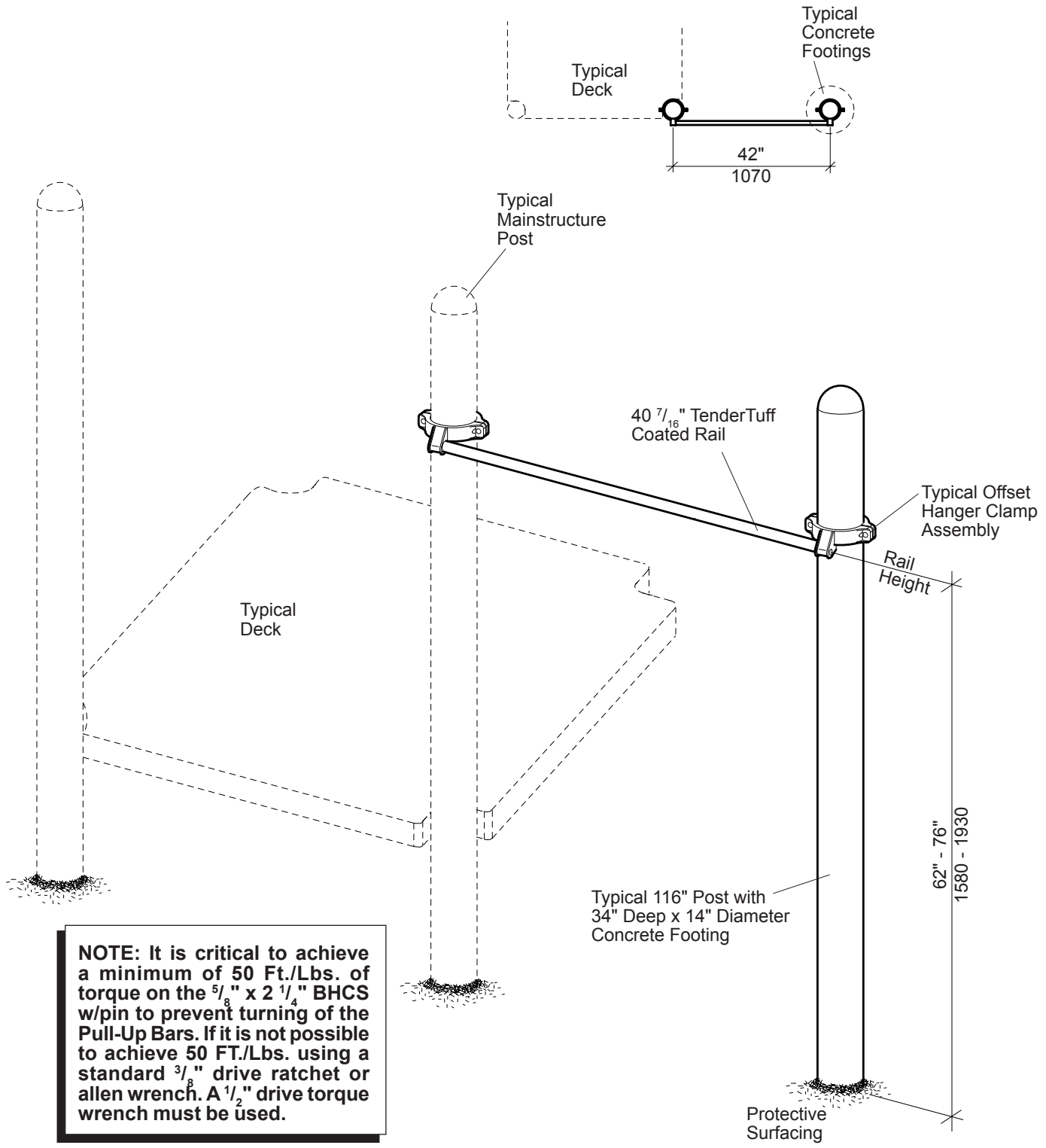
ISO 14001 CERTIFIED

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.)

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.

PlayBooster®

111357 Chinning Bar

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

© 2015 by Landscape Structures. All rights reserved.

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.

landscape structures®

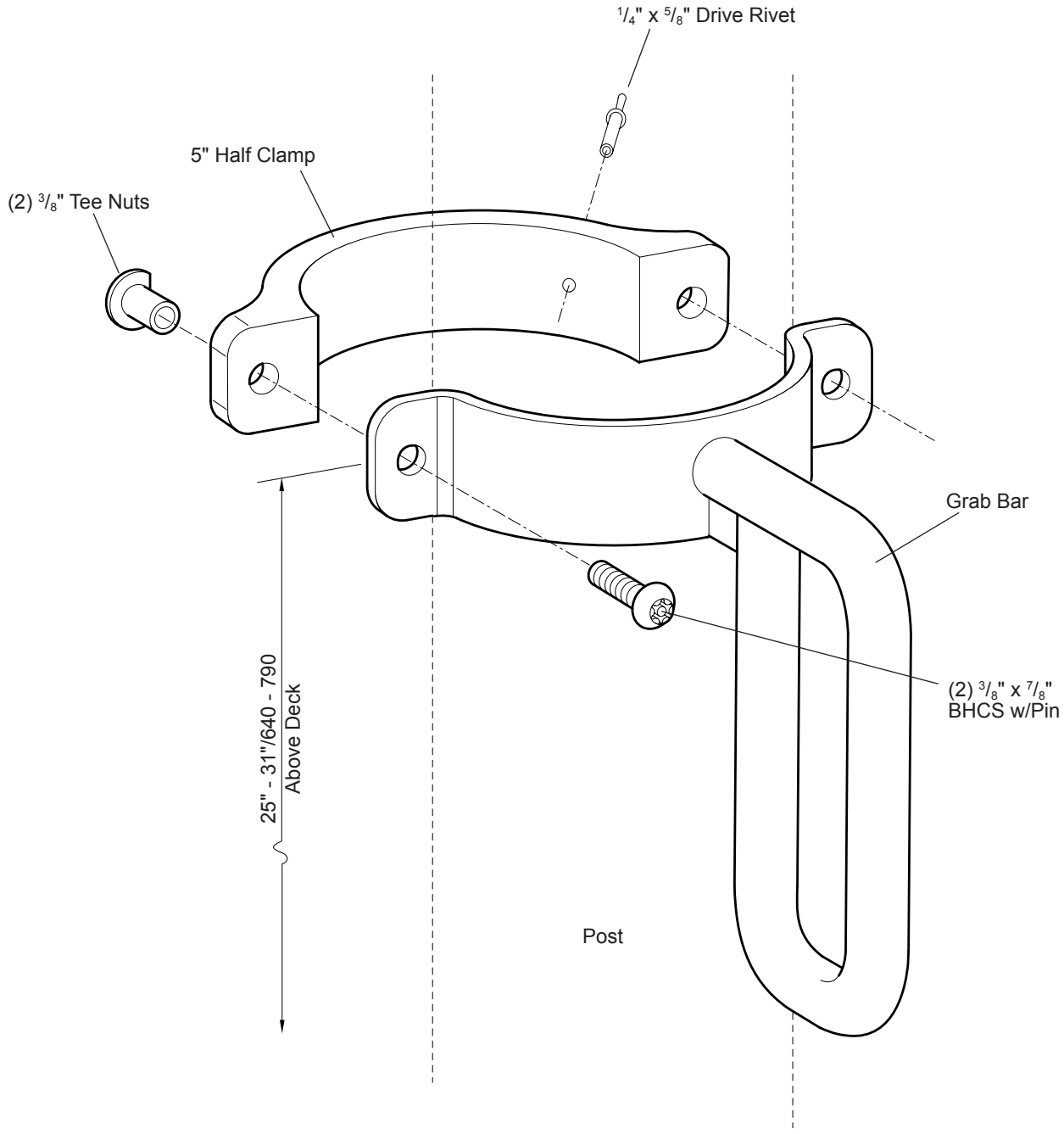
ISO 14001 CERTIFIED

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.)

12125200



120901 Grab Bar

PlayBooster®

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

© 2003 by Landscape Structures. All rights reserved.

landscape structures®

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.

landscape structures®

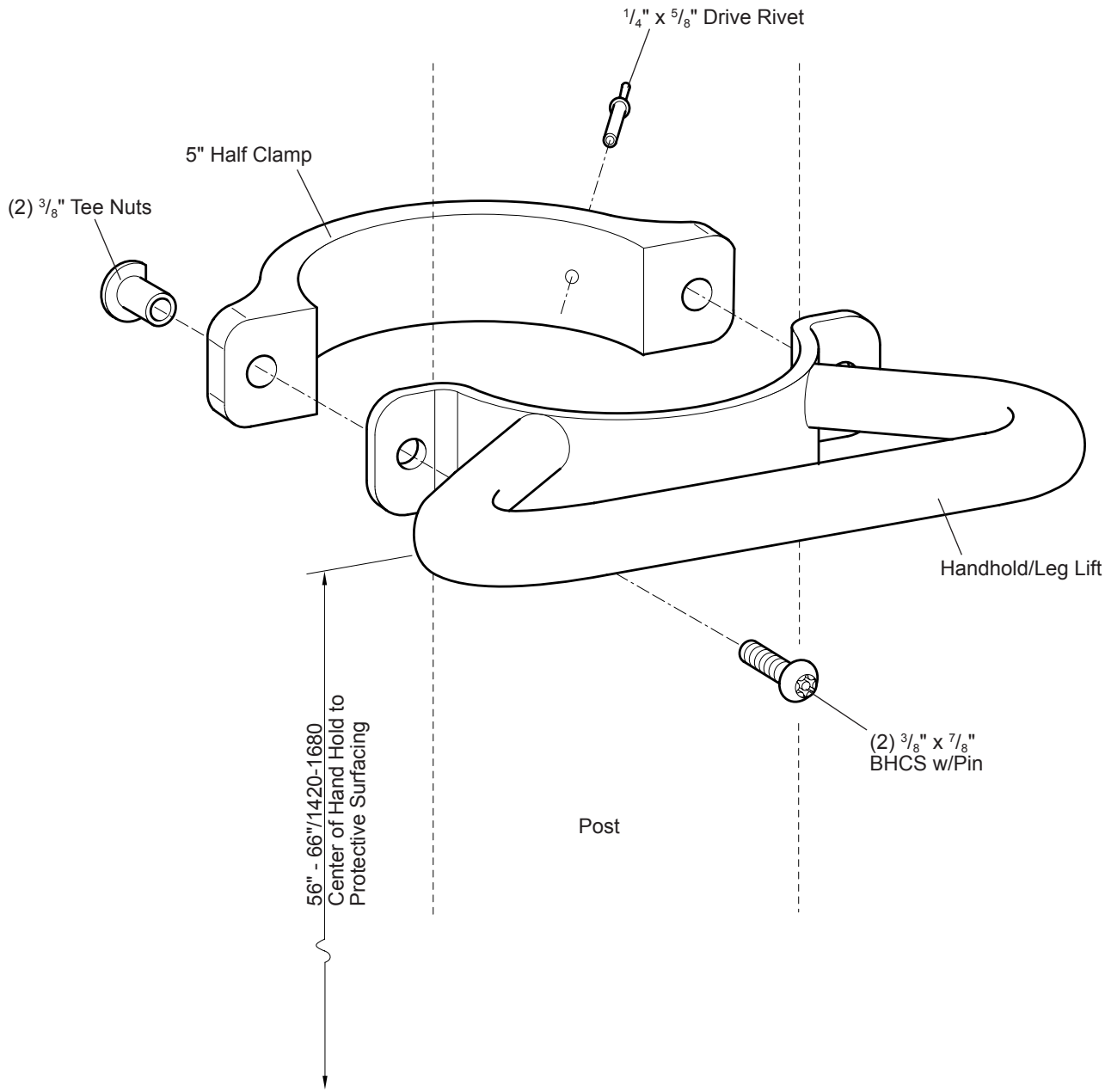
ISO 14001 CERTIFIED

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.)

12102200



PlayBooster®

120902 Handhold/ Leg Lift

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

© 2002 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

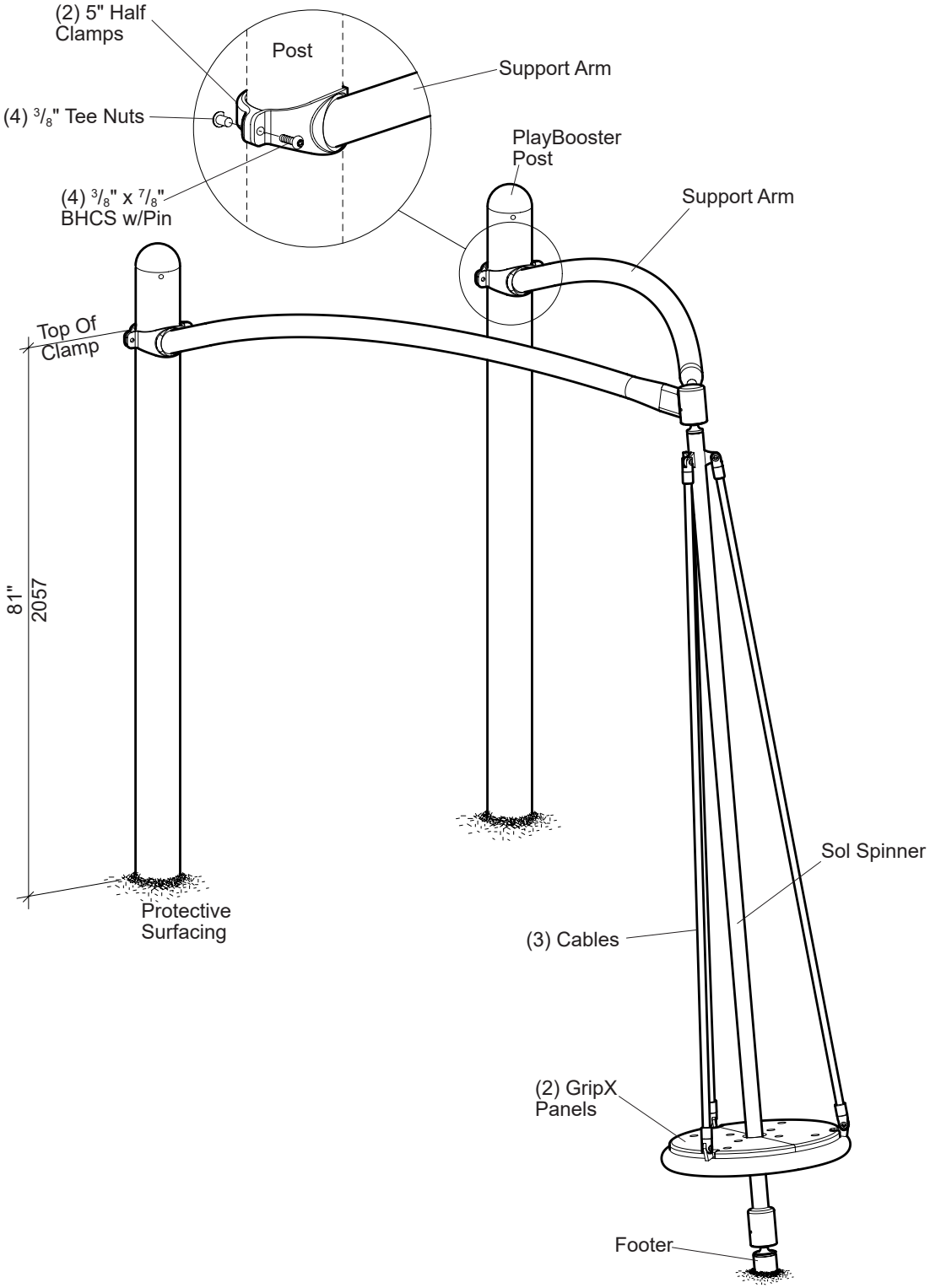
ISO 9001 Certified

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.)

20167000

DETAIL



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

© 2015 by Landscape Structures. All rights reserved.

Document #21606500

landscape structures®

ISO 14001 CERTIFIED

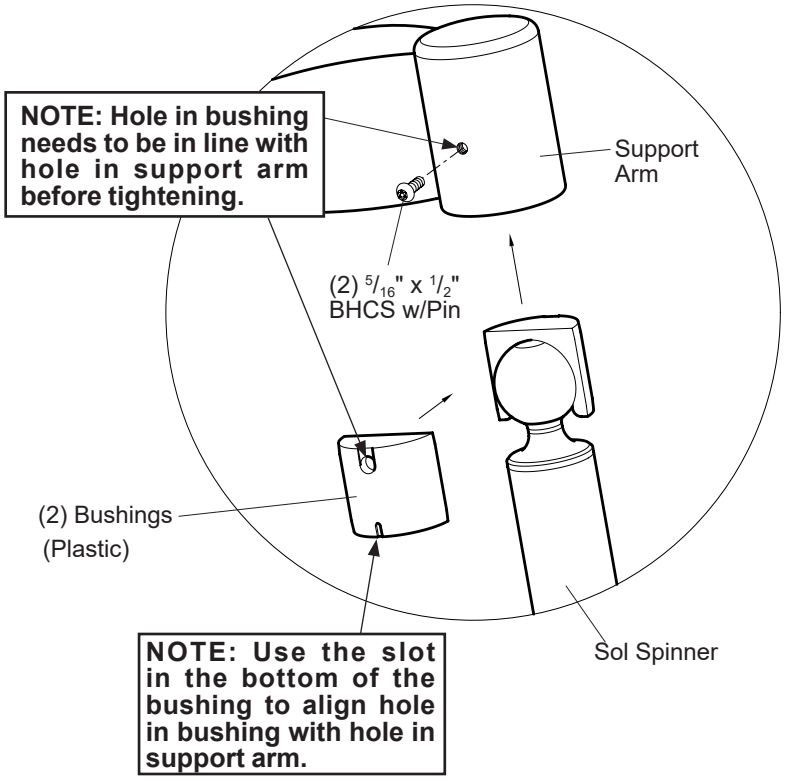
ISO 9001 Certified

SAFETY NOTE

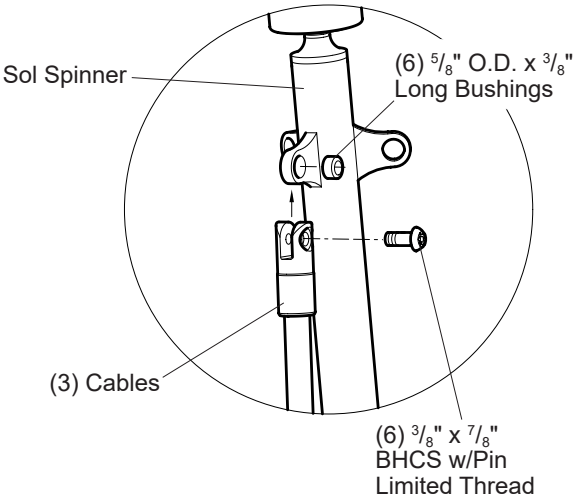
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

202841b

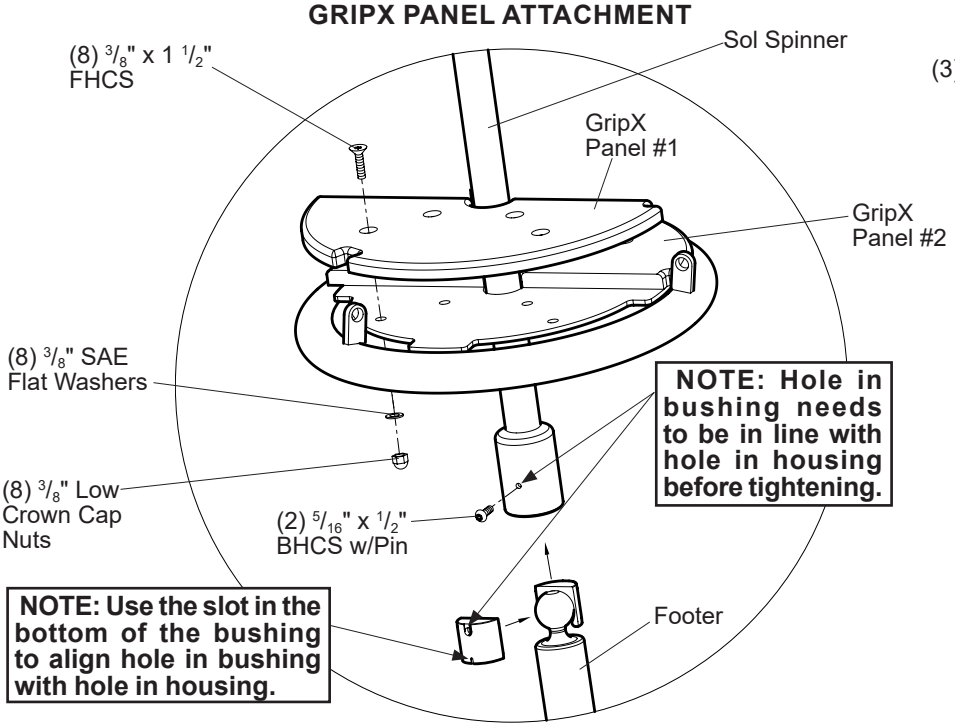
DETAIL
SOL SPINNER ASSEMBLY



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

© 2015 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

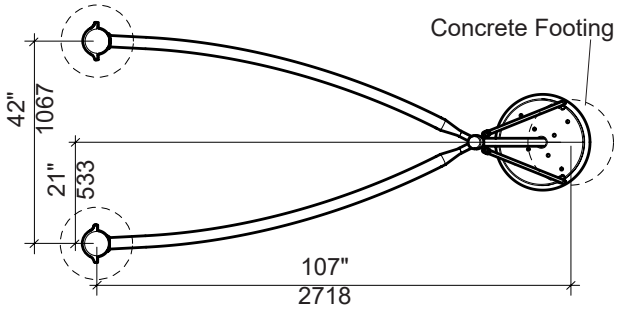
ISO 9001 Certified

SAFETY NOTE

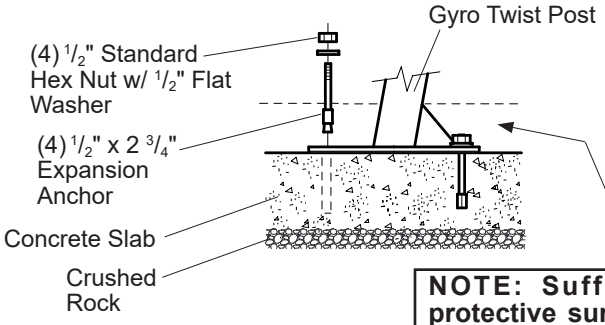
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

194968b

PLAN VIEW/FOOTING LAYOUT

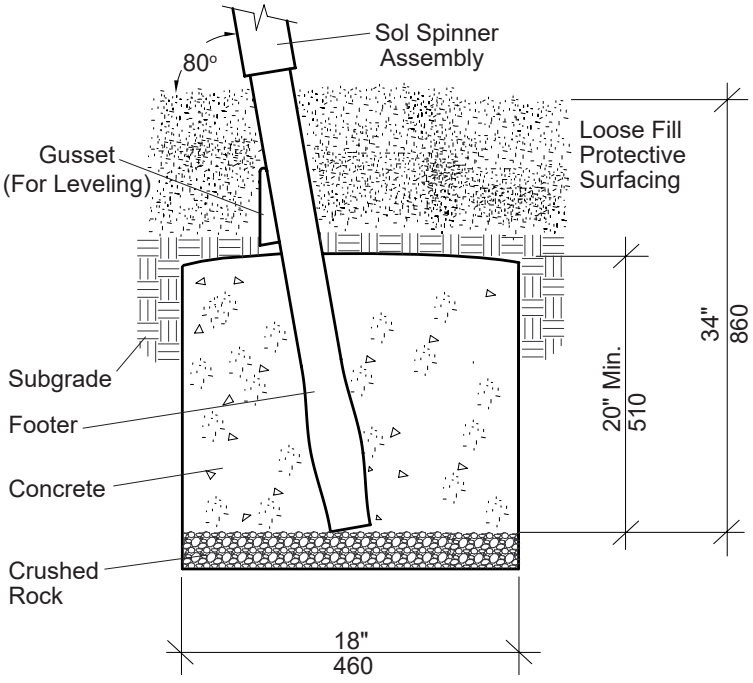


DETAIL
SURFACE MOUNT



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

DETAIL
FOOTER ATTACHMENT



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

© 2015 by Landscape Structures. All rights reserved.

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.

landscape structures®

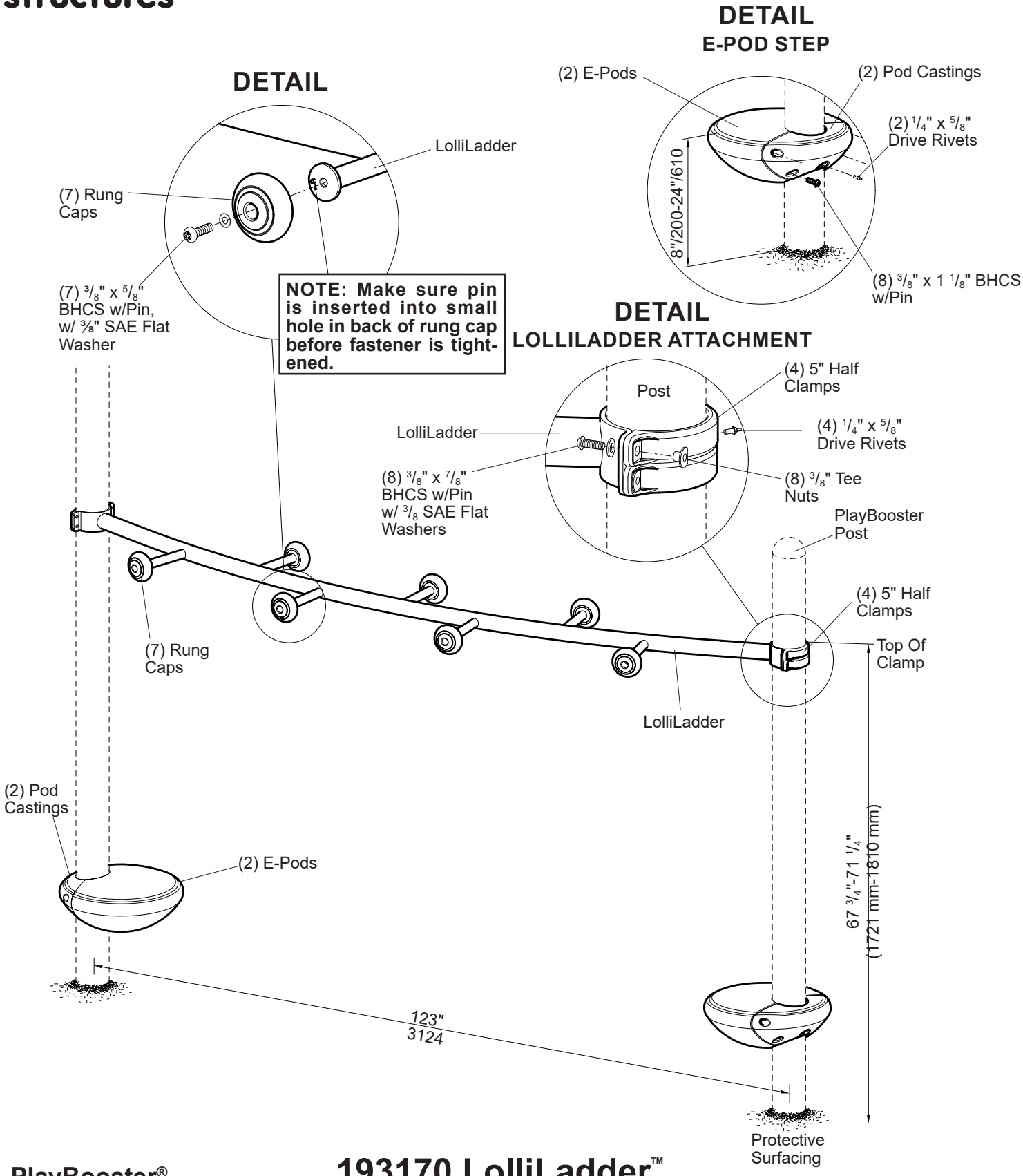
ISO 14001 CERTIFIED

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.)

19496900



PlayBooster®

193170 LolliLadder™

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

© 2018 by Landscape Structures. All rights reserved.

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

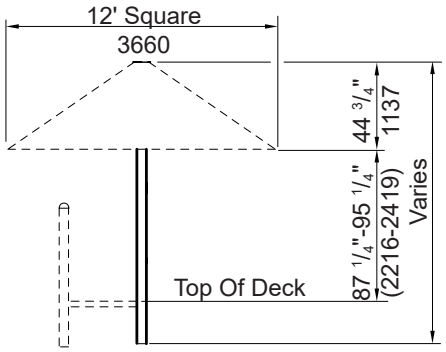
ISO 9001 Certified

SAFETY NOTE

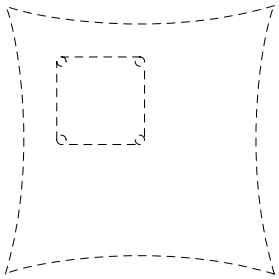
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

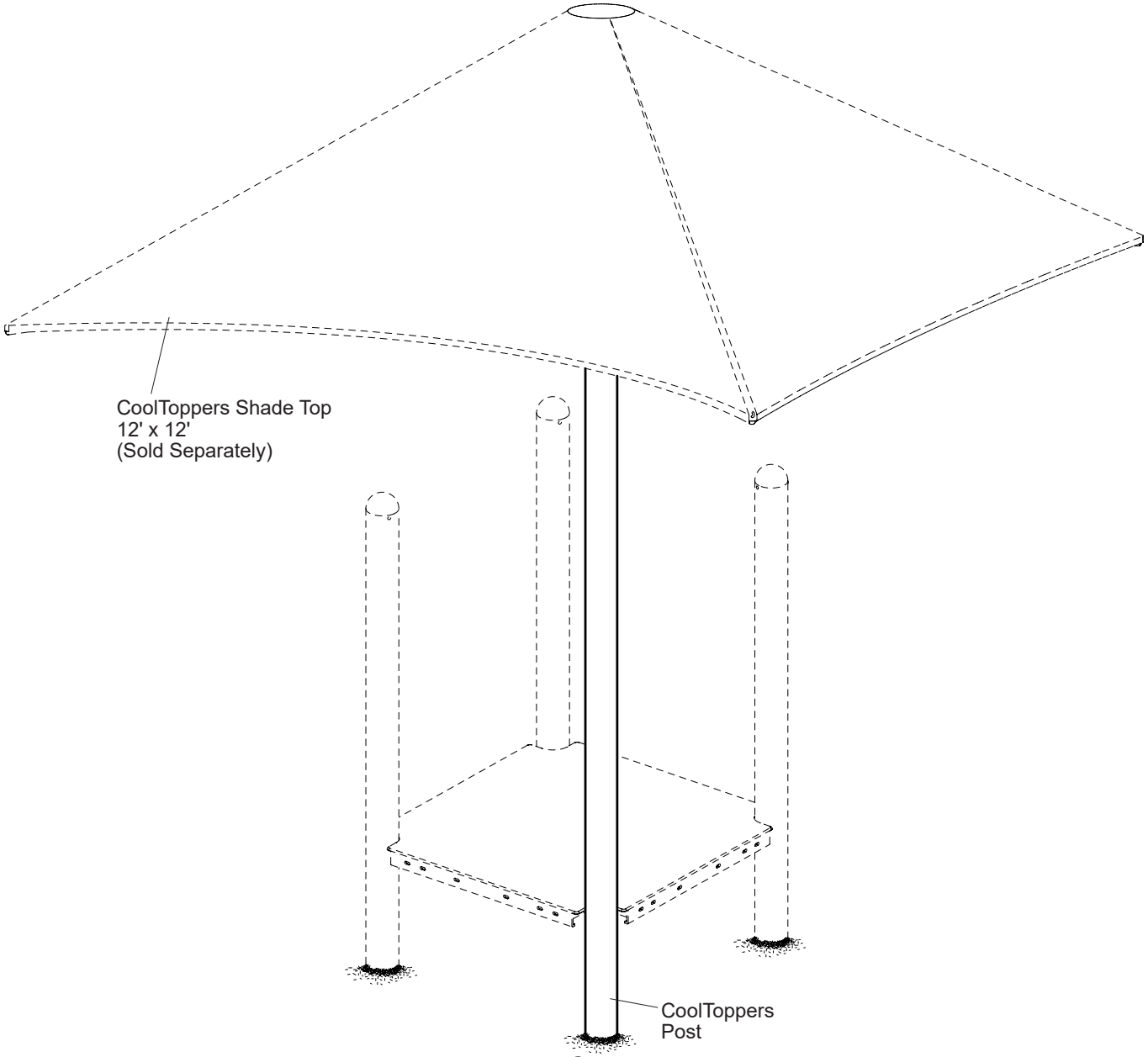
24673000

DETAIL
FRONT VIEW



DETAIL
TOP VIEW





PlayBooster® 154883 CoolToppers® Post For Roofs, Single Post

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

© 2020 by Landscape Structures. All rights reserved.

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.

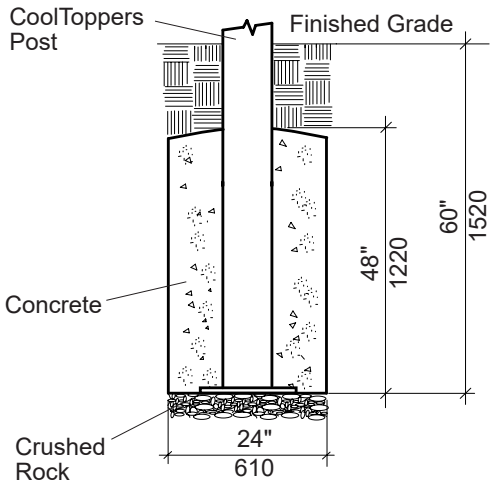
landscape structures®

SAFETY NOTE

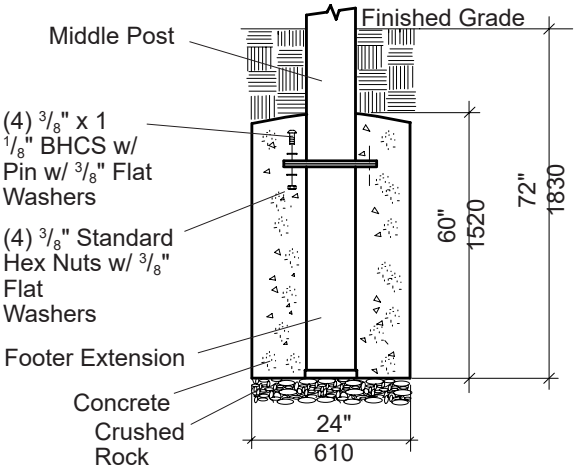
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

183799a

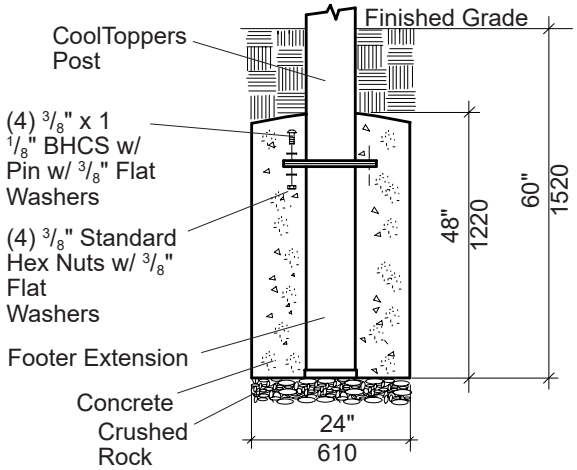
DETAIL
DIRECT BURY
(201" & 221" POST)

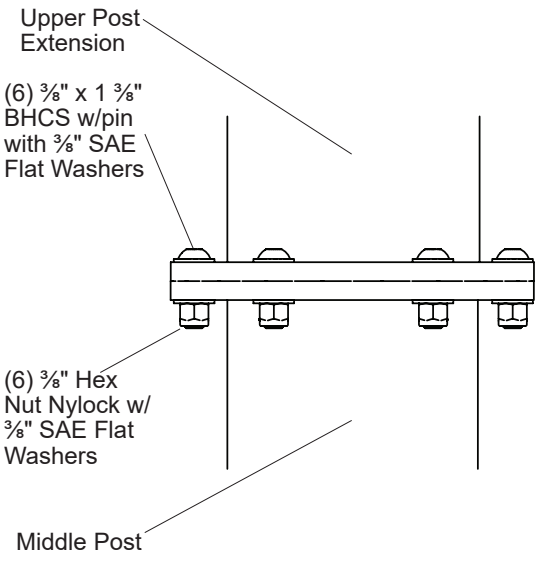


DETAIL
DIRECT BURY
(301" POST)



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





PlayBooster® 154883 CoolToppers® Post For Roofs, Single Post

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

© 2020 by Landscape Structures. All rights reserved.

landscape structures®

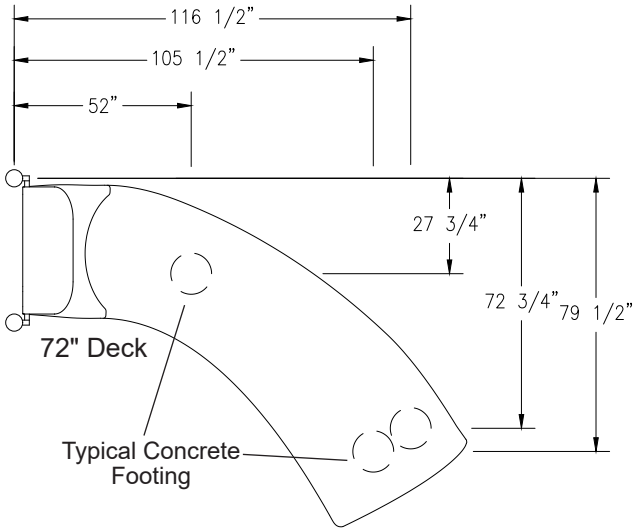
ISO 14001 CERTIFIED

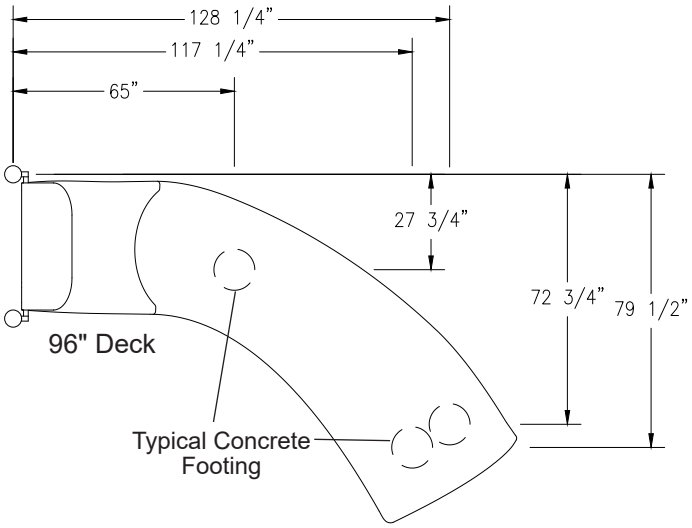
ISO 9001 Certified

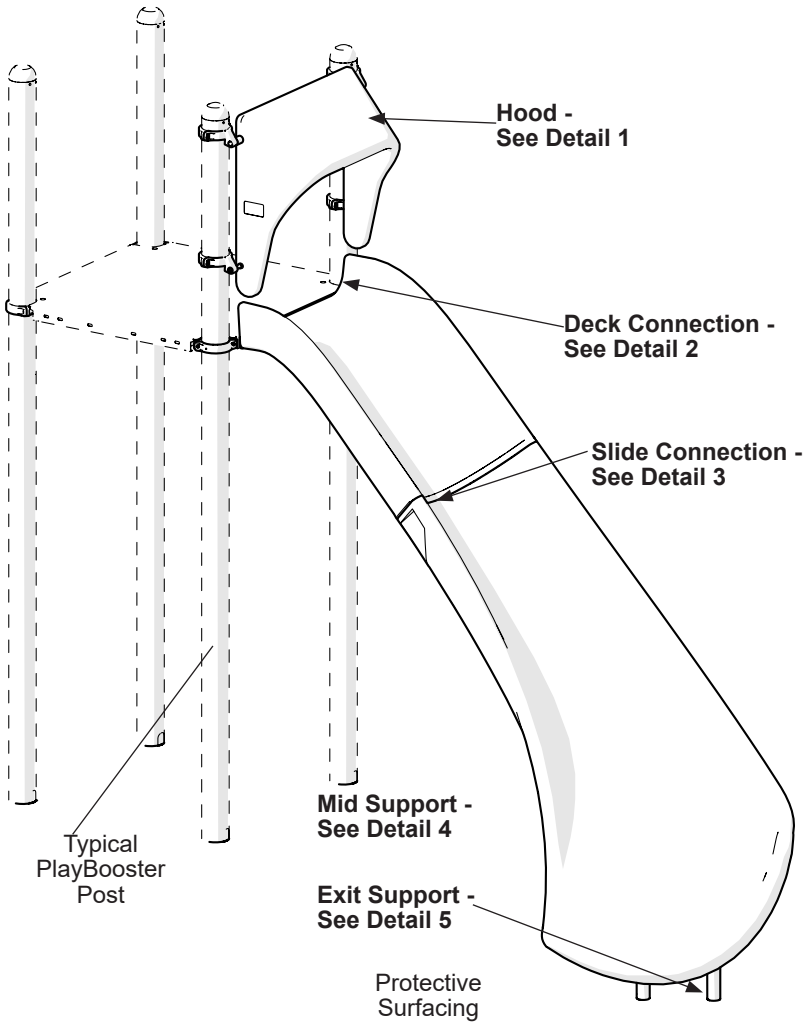
SAFETY NOTE

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.)

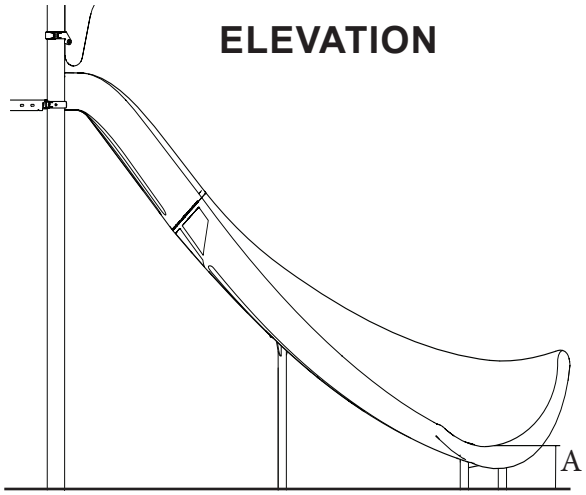
PLAN VIEW/FOOTING LAYOUT







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"

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

© 2020 by Landscape Structures. All rights reserved.

Document #27804000

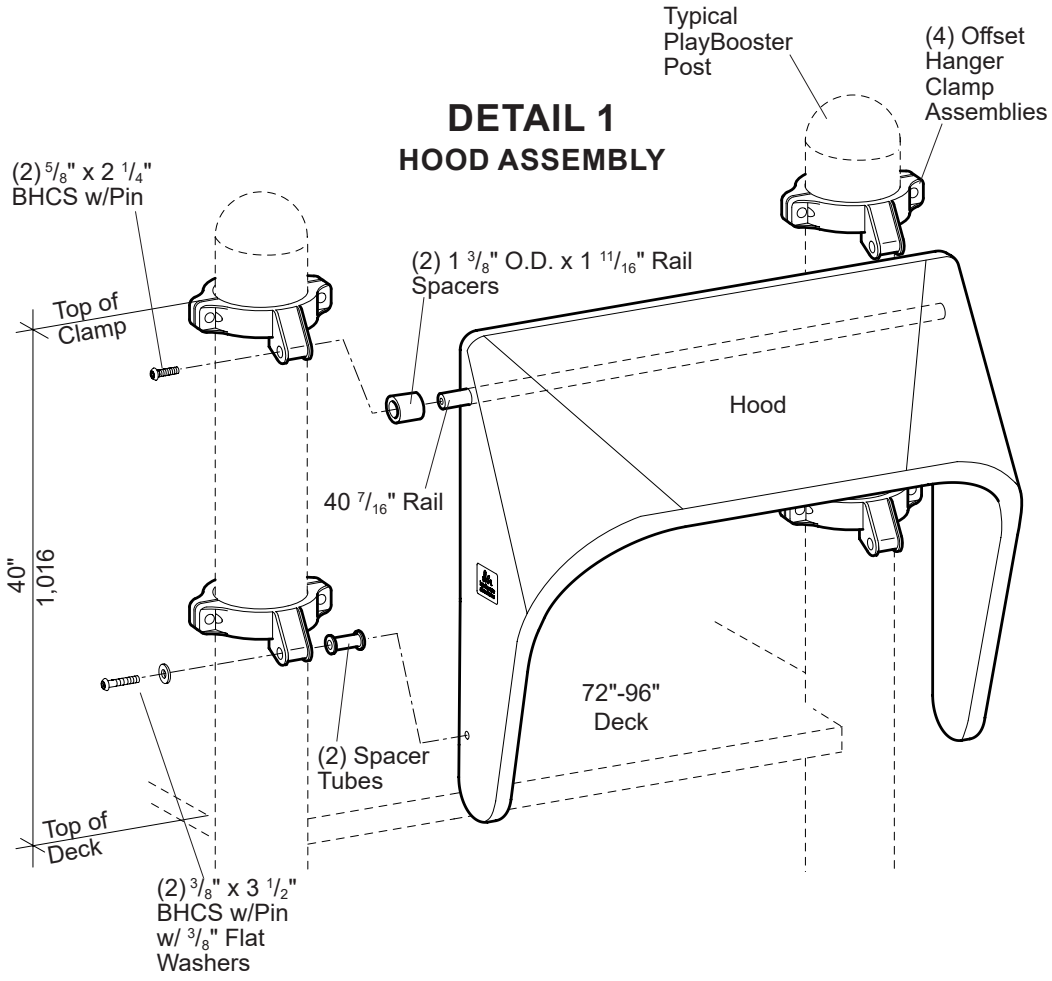
landscape structures®

SAFETY NOTE

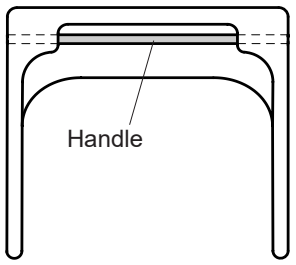
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

161080a

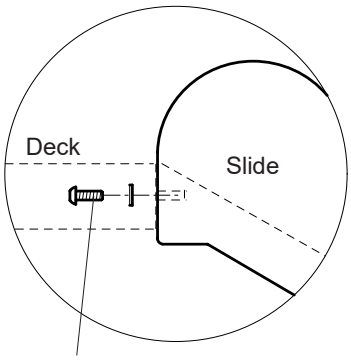
DETAIL 1
HOOD ASSEMBLY



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"

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

© 2020 by Landscape Structures. All rights reserved.

Document #27804000

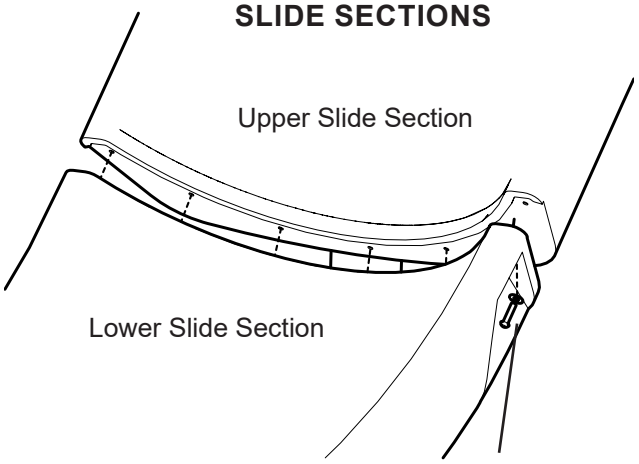
landscape structures®

SAFETY NOTE

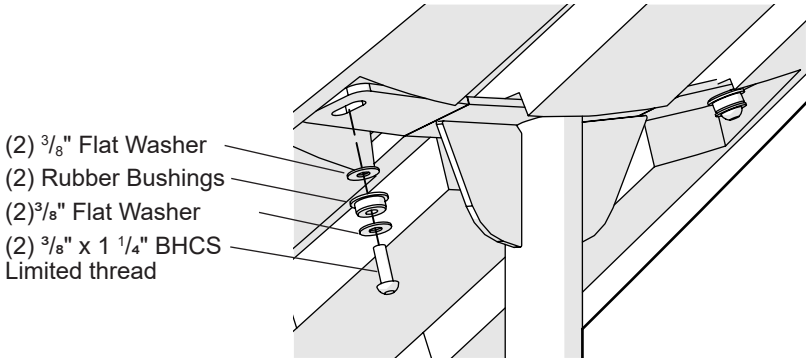
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

161080a

DETAIL 3
SLIDE SECTIONS



DETAIL 4
MID SUPPORT

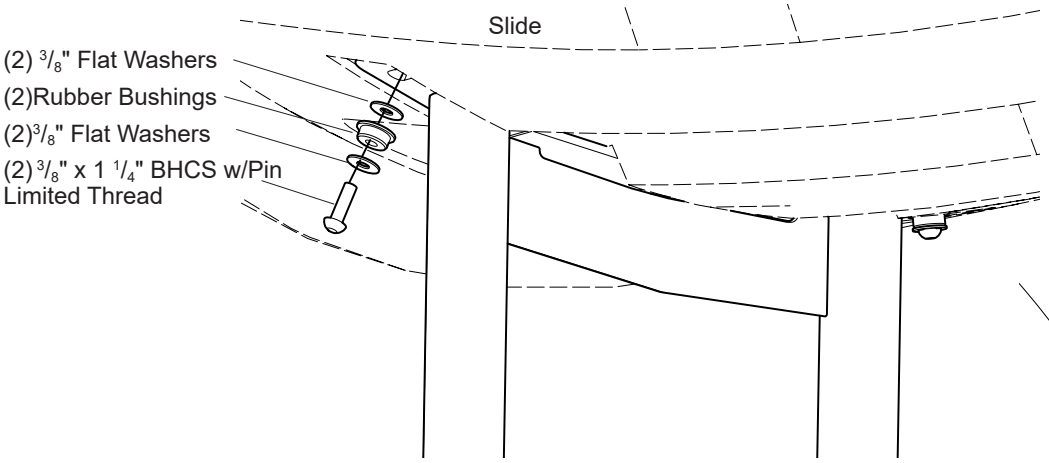


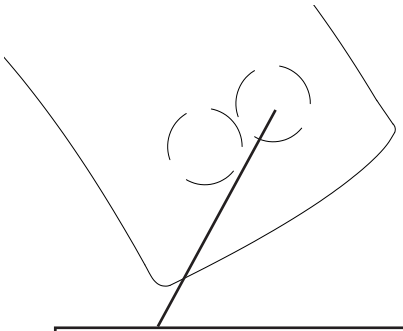
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2020 by Landscape Structures. All rights reserved.

landscape structures®

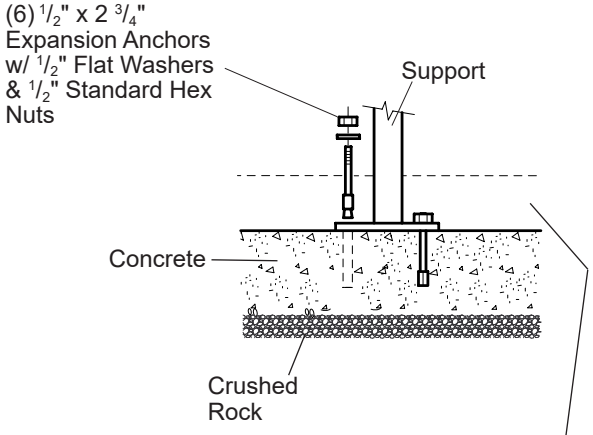
DETAIL 5
EXIT SUPPORT





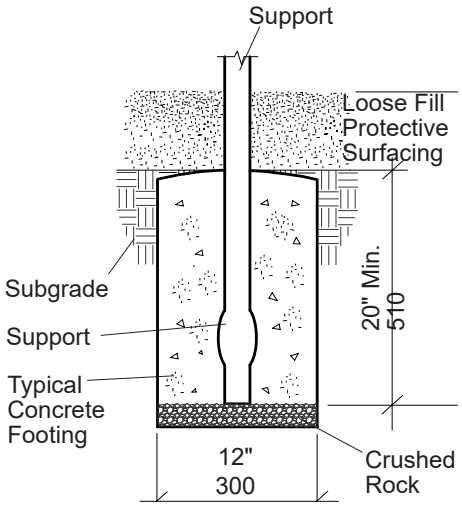
NOTE: When looking top down at the slide it is important the longer support goes in this location.

DETAIL
SURFACE MOUNT



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

DETAIL
DIRECT BURY



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

© 2020 by Landscape Structures. All rights reserved.

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

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

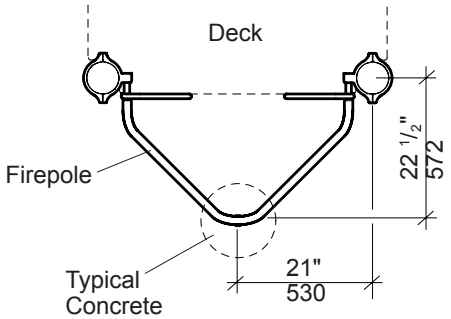
ISO 9001 Certified

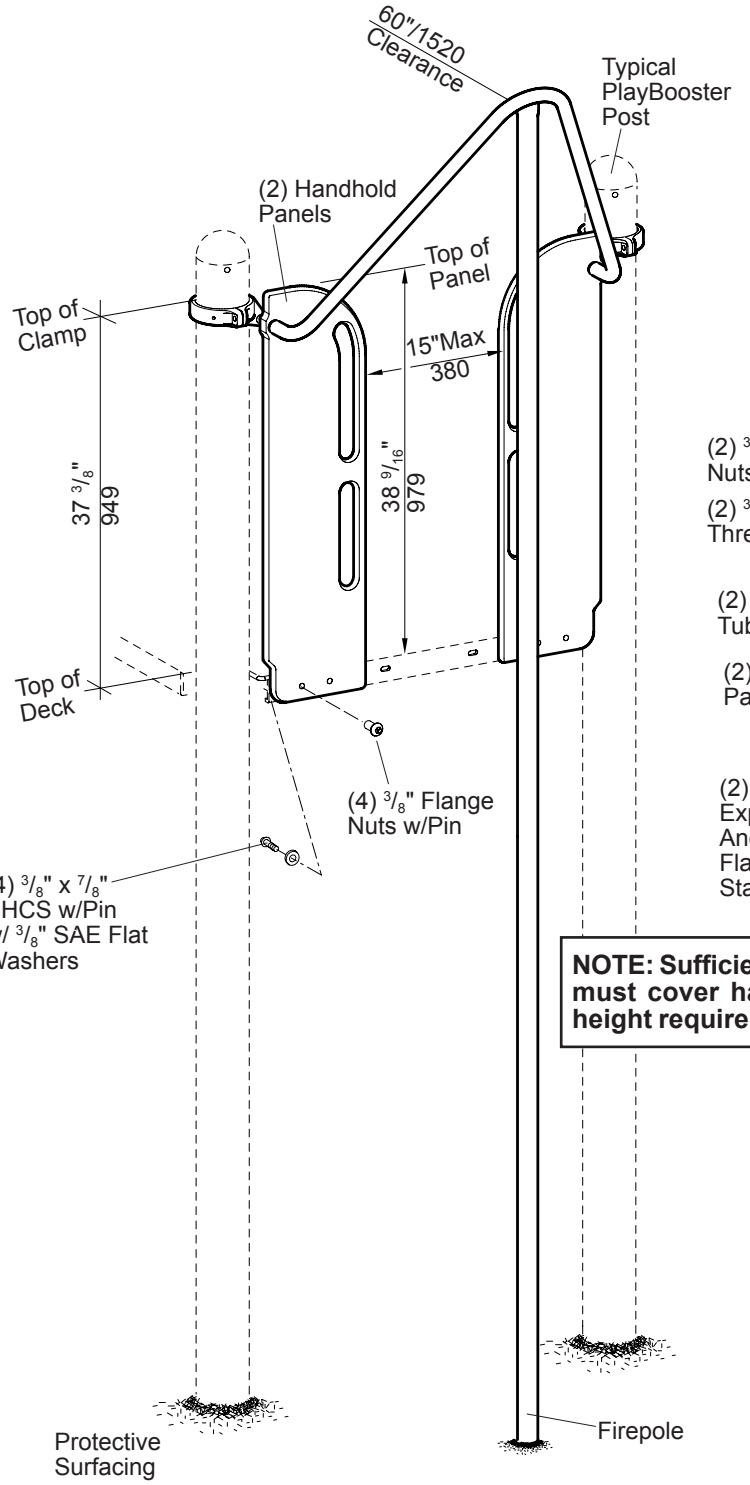
SAFETY NOTE

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.)

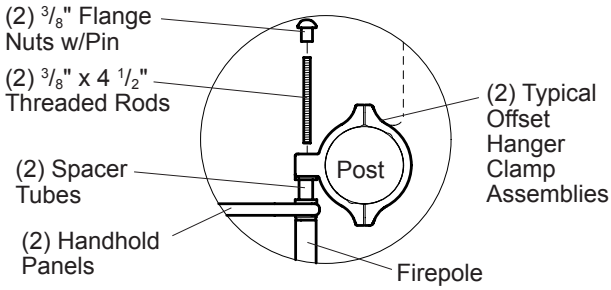
14814400

PLAN VIEW/ FOOTING LAYOUT

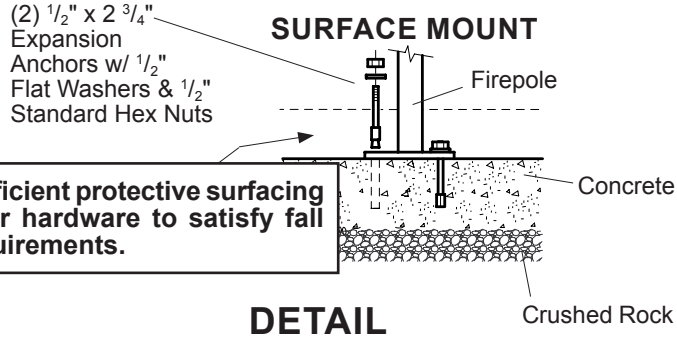




DETAIL
HANDHOLD PANEL ATTACHMENT

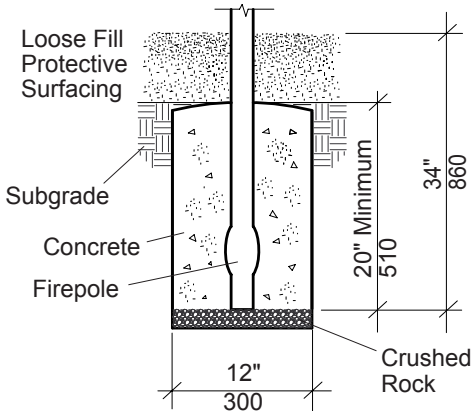


DETAIL
SURFACE MOUNT



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

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

© 2004 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

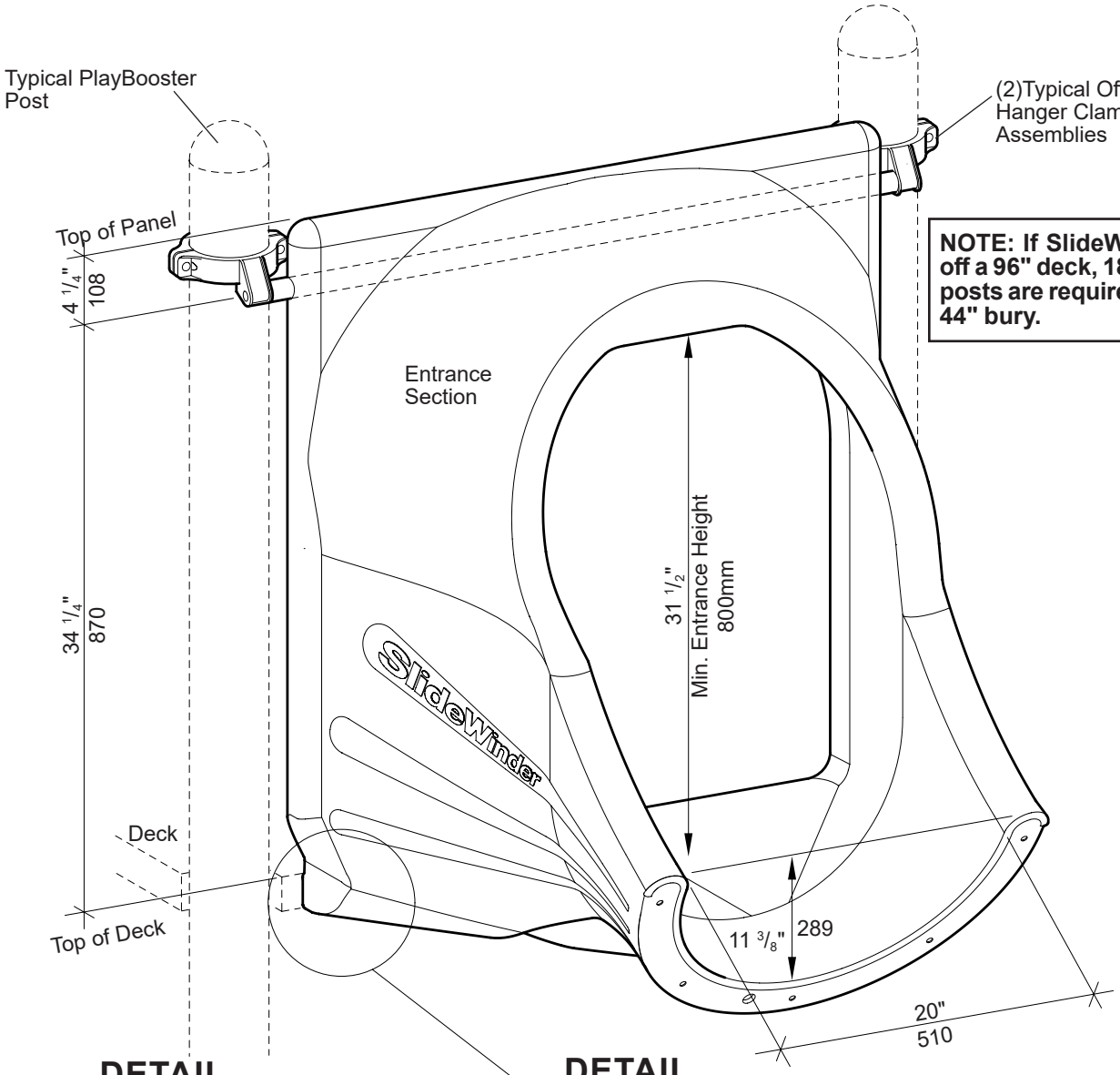
ISO 9001 Certified

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.)

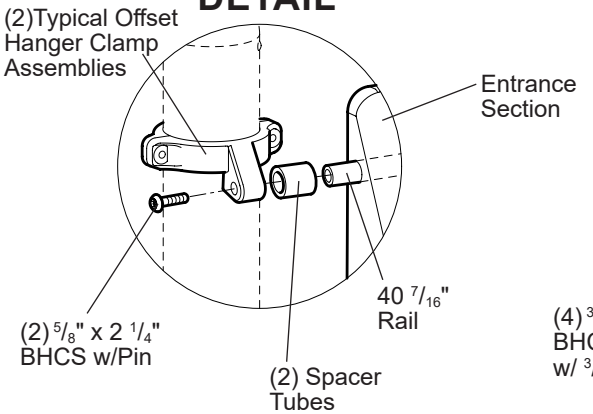
17787300

ENTRANCE SECTION ATTACHMENT

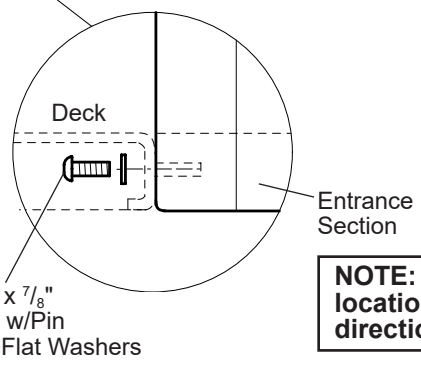


NOTE: If SlideWinder is off a 96" deck, 182" steel posts are required with a 44" bury.

DETAIL



DETAIL



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

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

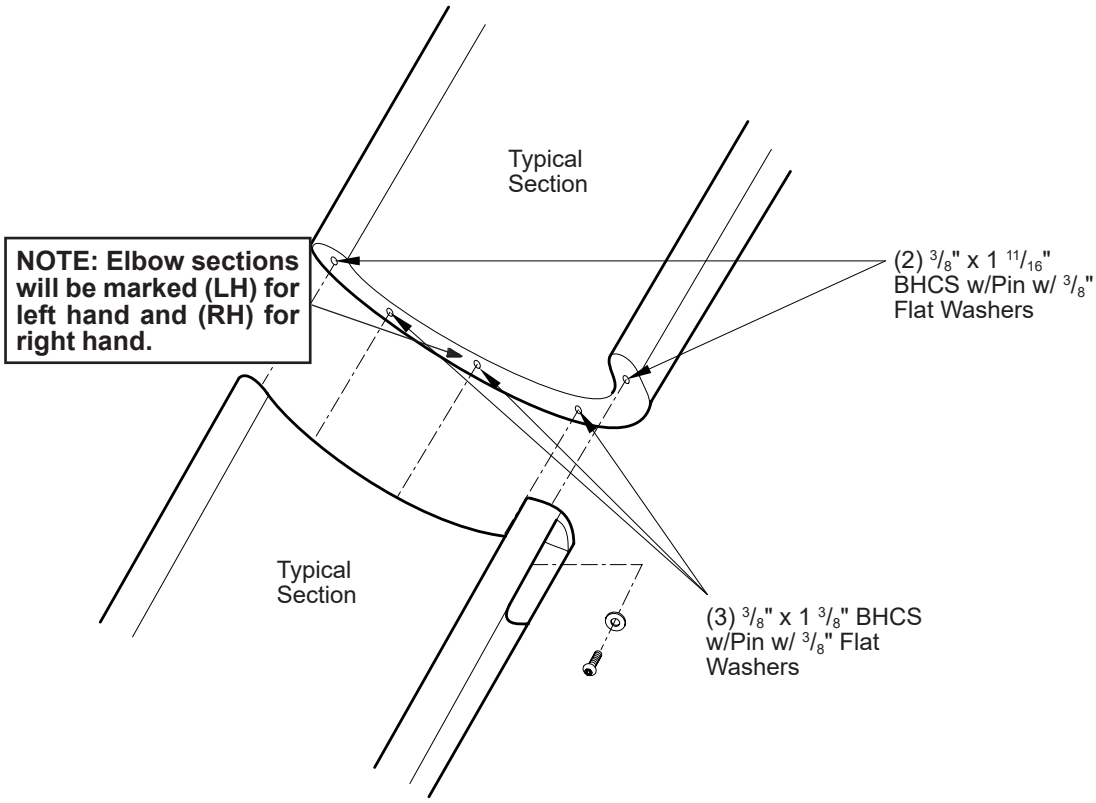
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2011 by Landscape Structures. All rights reserved.

Document #24023600

landscape structures®

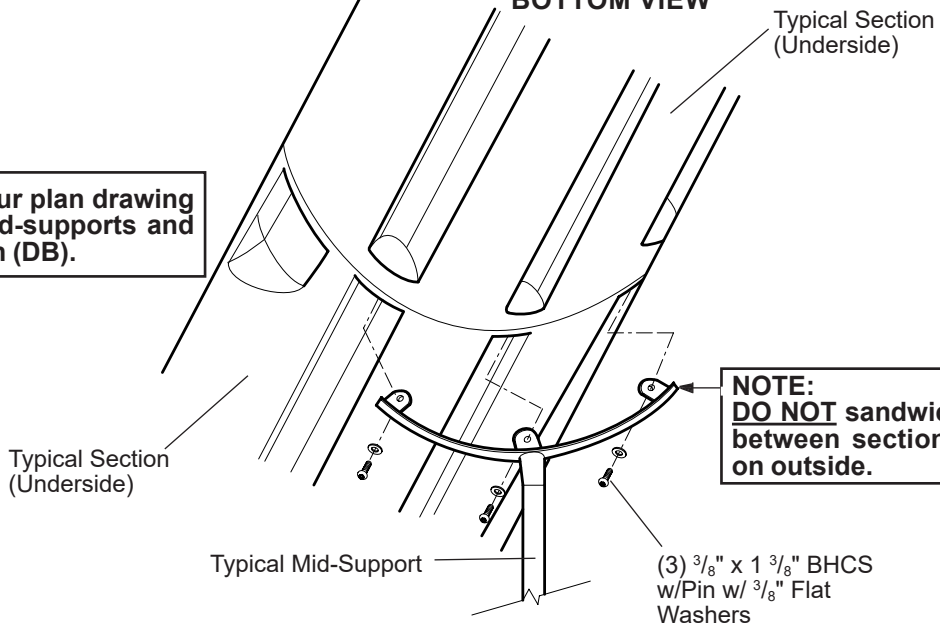
DETAIL
TYPICAL SLIDE SECTION



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.

PlayBooster®

124863 SlideWinder2® Details

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

© 2011 by Landscape Structures. All rights reserved.

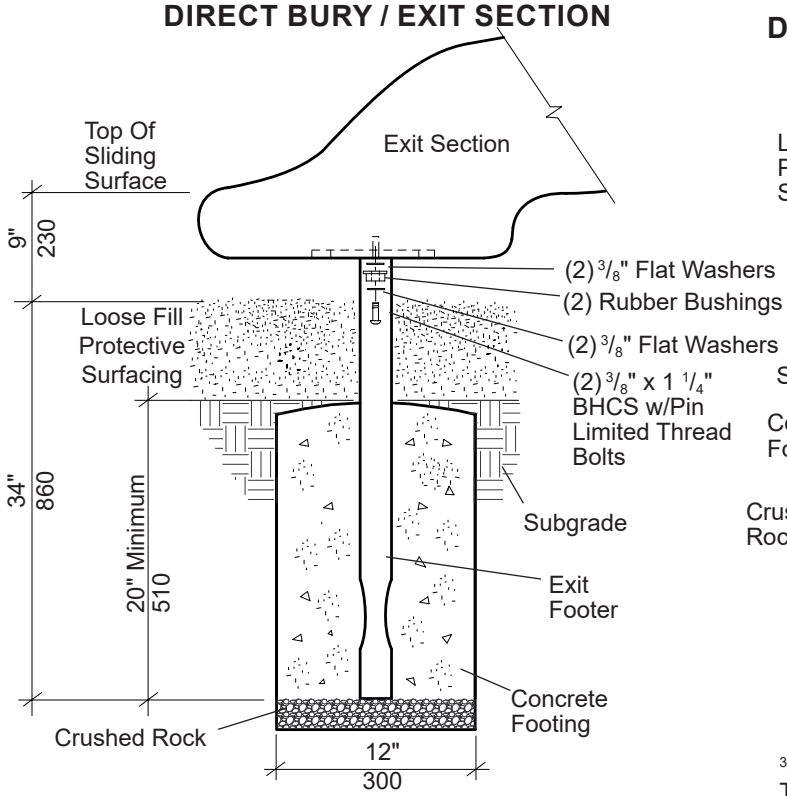
landscape structures®

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.)

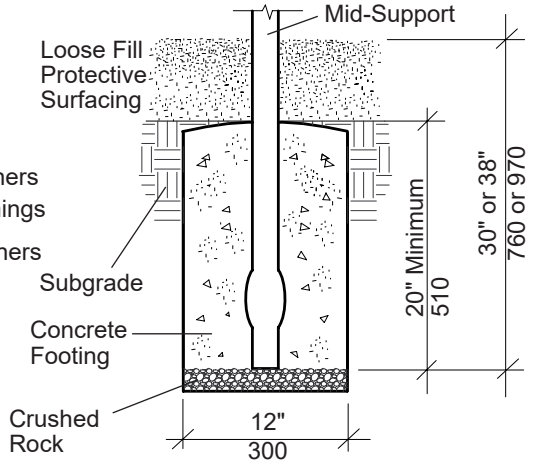
128348b0

DETAIL
DIRECT BURY / EXIT SECTION

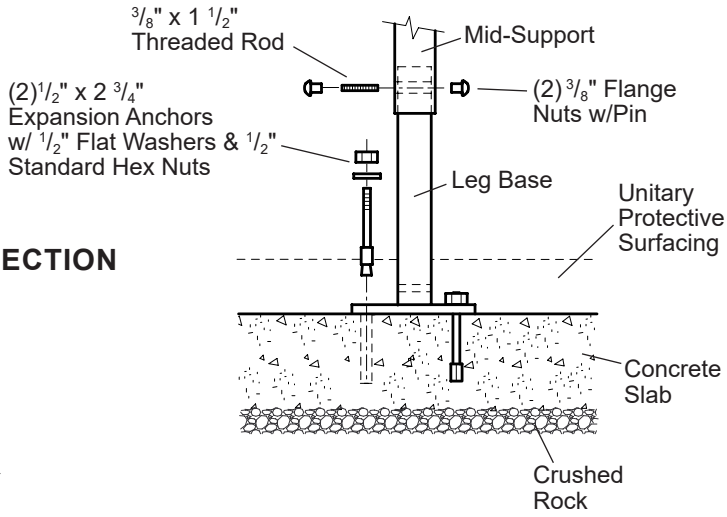


NOTE: Attach bolts in the center of the footer slots to allow for expansion and contraction. Snug bolts down only, do not overtighten!

DETAIL
DIRECT BURY / MID-SUPPORTS



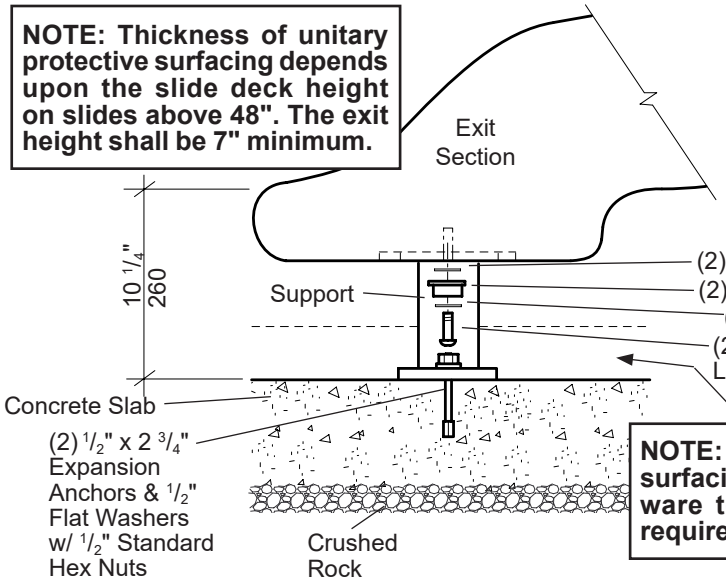
DETAIL
SURFACE MOUNT / MID-SUPPORTS



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

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

© 2011 by Landscape Structures. All rights reserved.

Document #24023600

PlayBooster® 124863 SlideWinder2®, 32"-96"

landscape structures®

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.

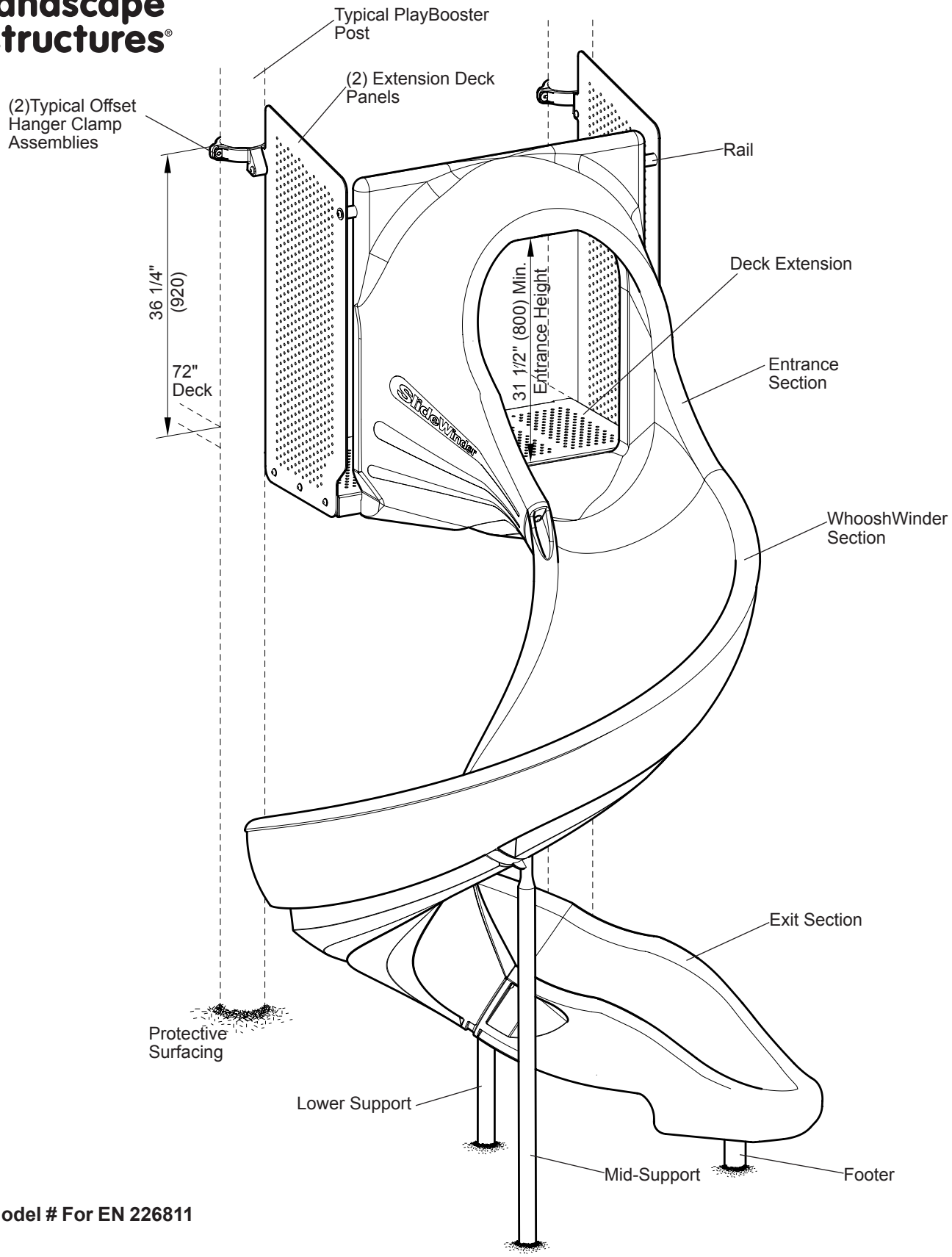
landscape structures®

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.)



Model # For EN 226811

PlayBooster® 222708 WhooshWinder™, 72" 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

© 2017 by Landscape Structures. All rights reserved.

Document #24024700

landscape structures®

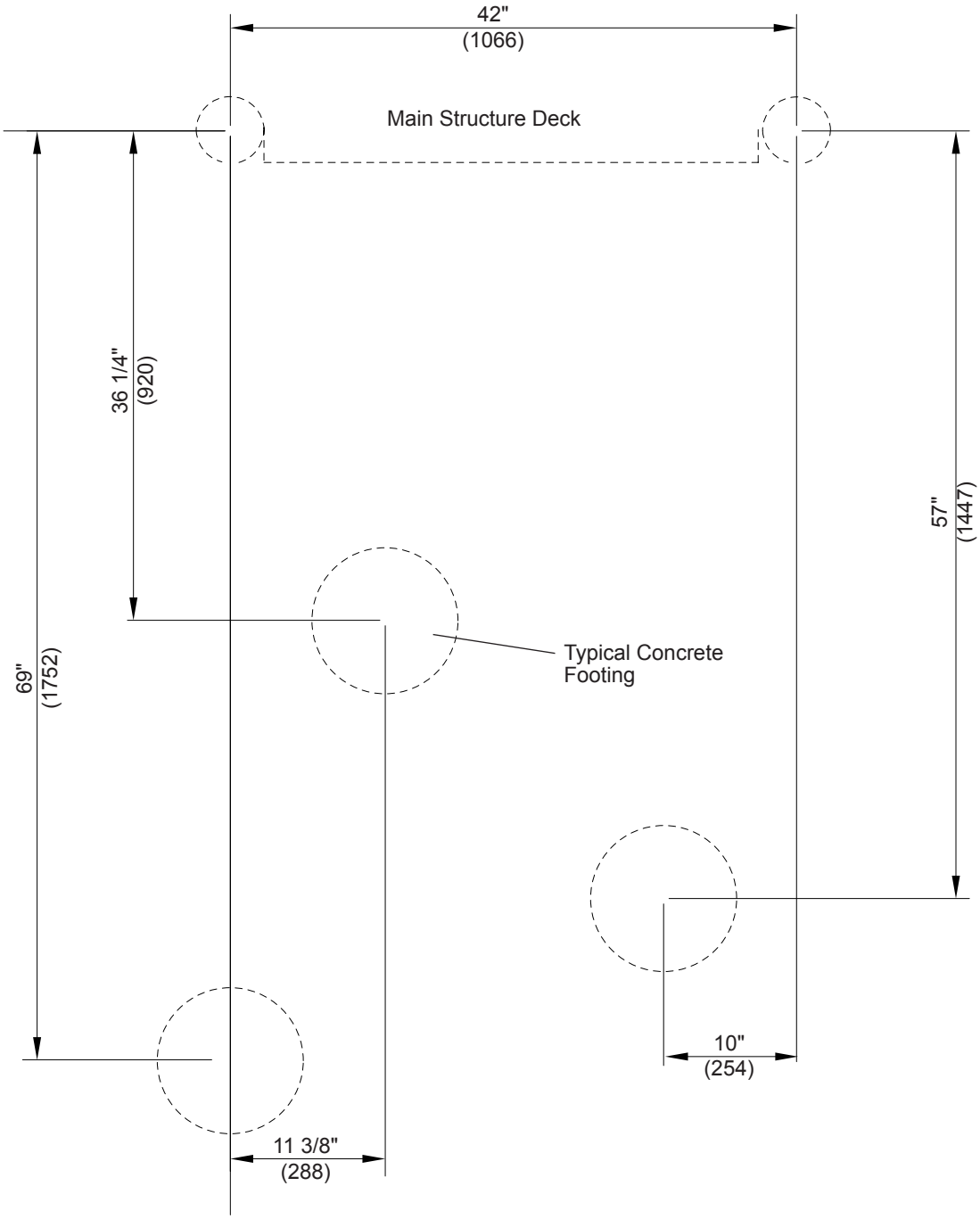
ISO 14001 CERTIFIED

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.)

PLAN VIEW/FOOTING LAYOUT



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

© 2017 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

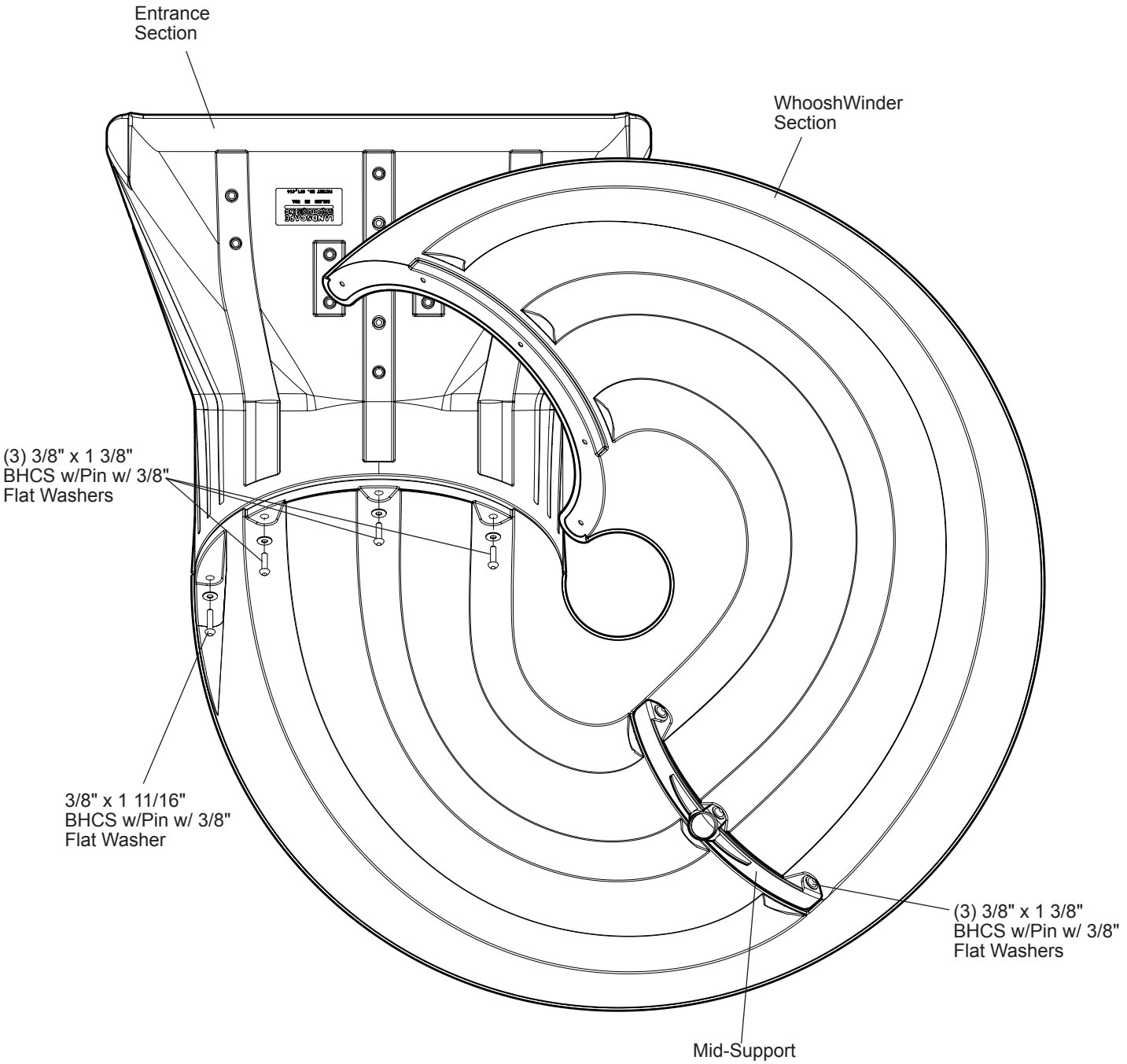
ISO 9001 Certified

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

BOTTOM VIEW WITHOUT EXIT SECTION



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

© 2017 by Landscape Structures. All rights reserved.

landscape structures®

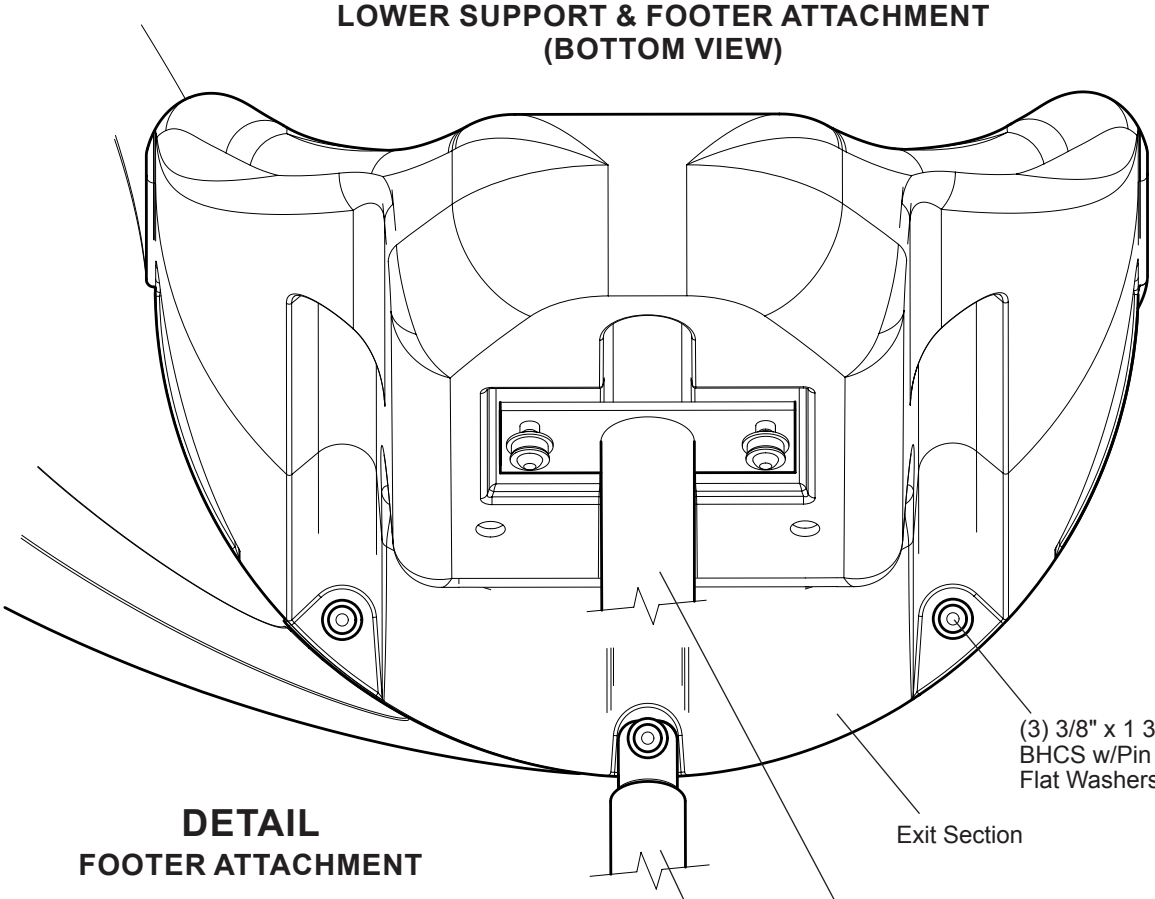
ISO 14001 CERTIFIED

ISO 9001 Certified

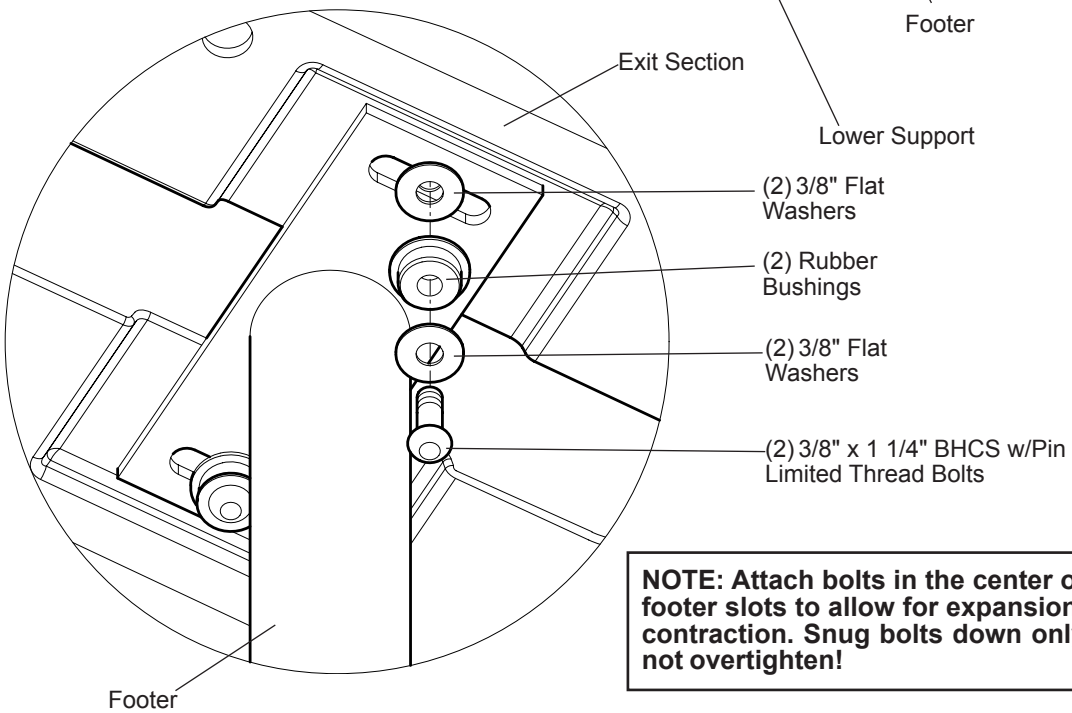
SAFETY NOTE

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
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!

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

© 2017 by Landscape Structures. All rights reserved.

landscape structures®

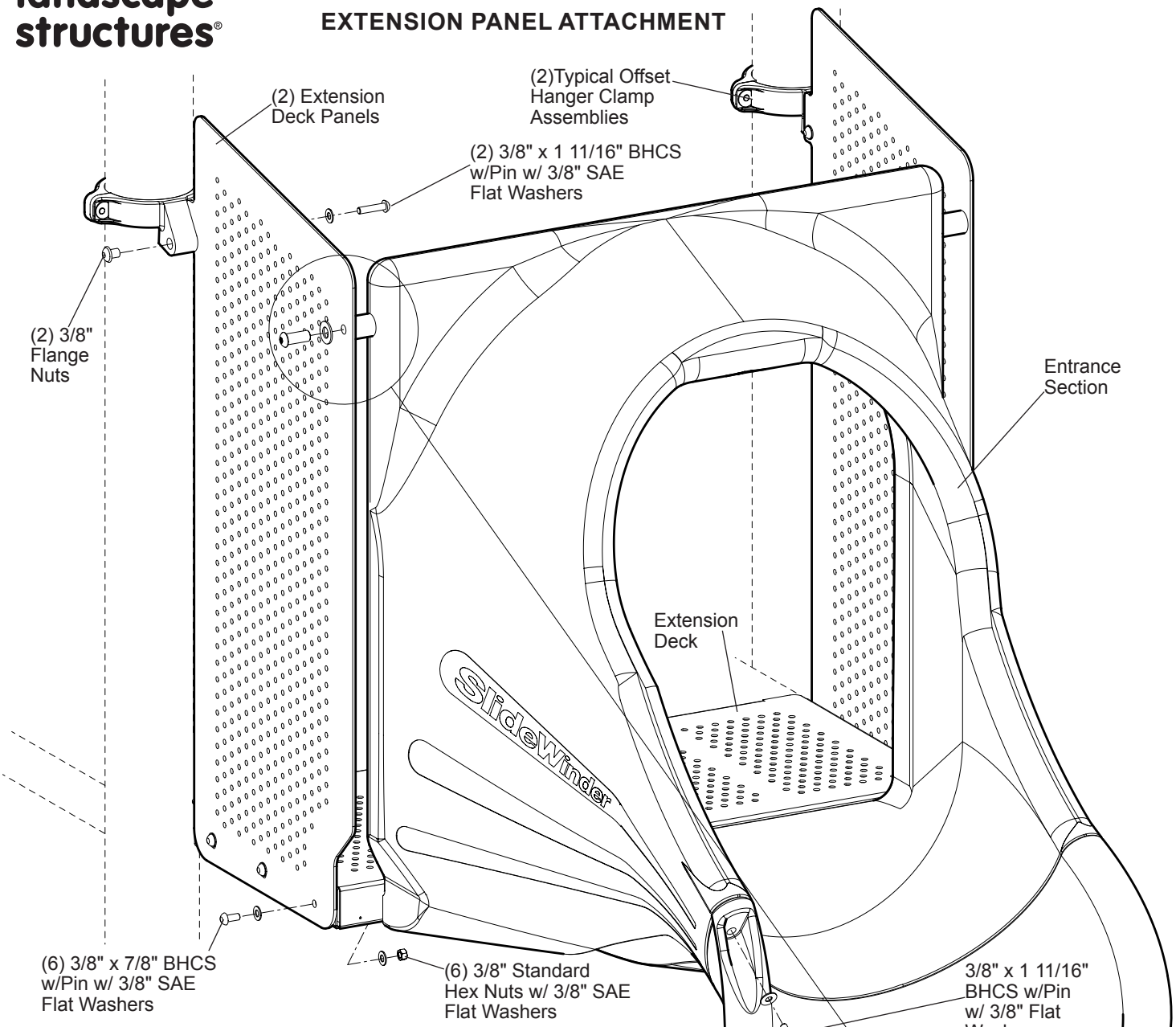
ISO 14001 CERTIFIED

ISO 9001 Certified

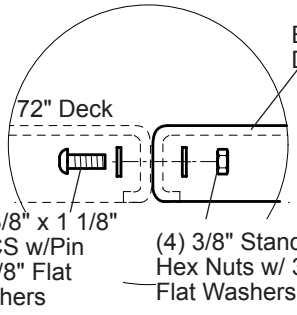
SAFETY NOTE

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.)

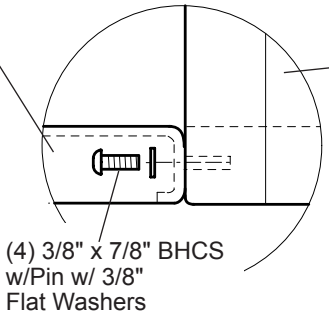
DETAIL
EXTENSION PANEL ATTACHMENT



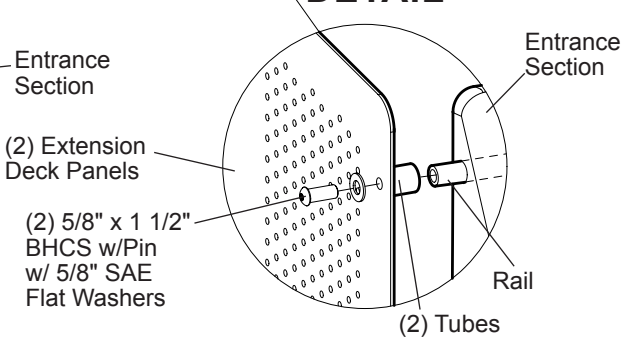
DETAIL
EXTENSION DECK ATTACHMENT



DETAIL
ENTRANCE SECTION ATTACHMENT



DETAIL



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

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

© 2017 by Landscape Structures. All rights reserved.

Document #24024700

landscape structures®

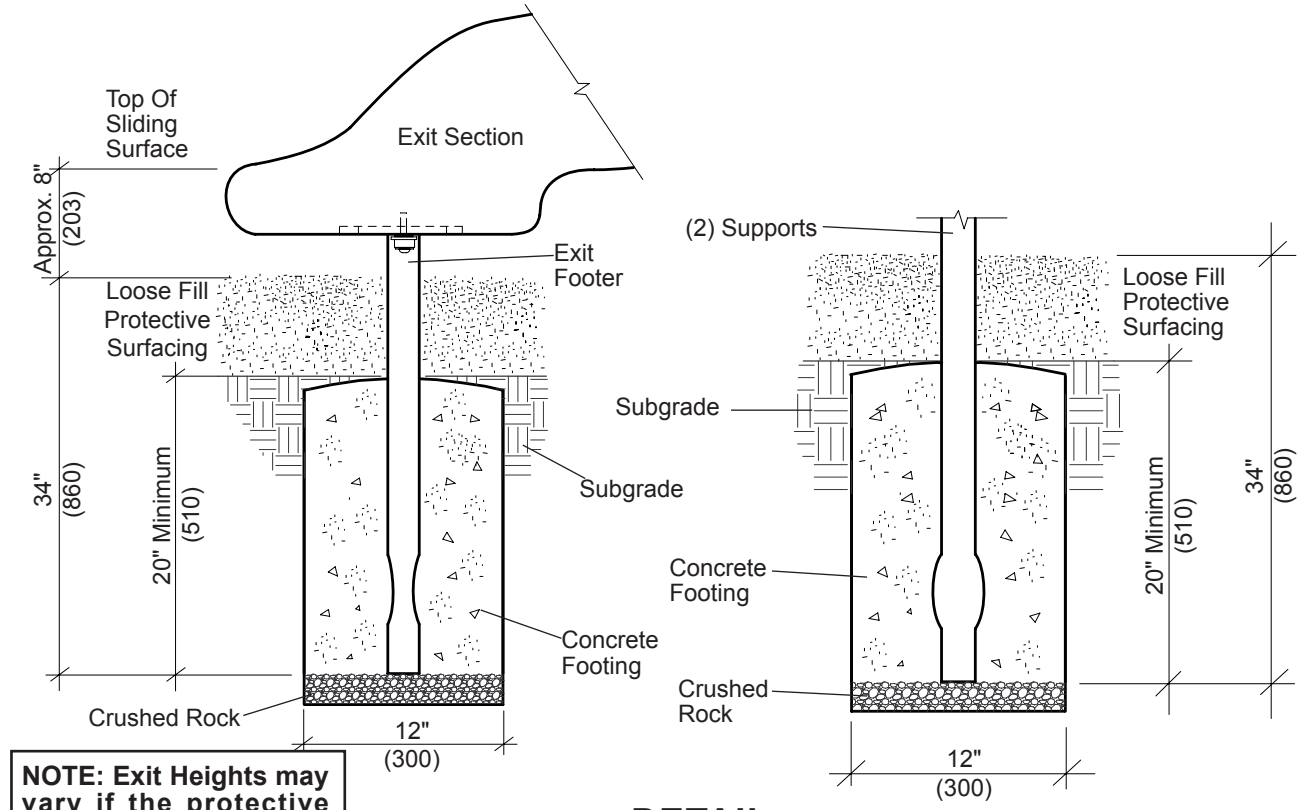
ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

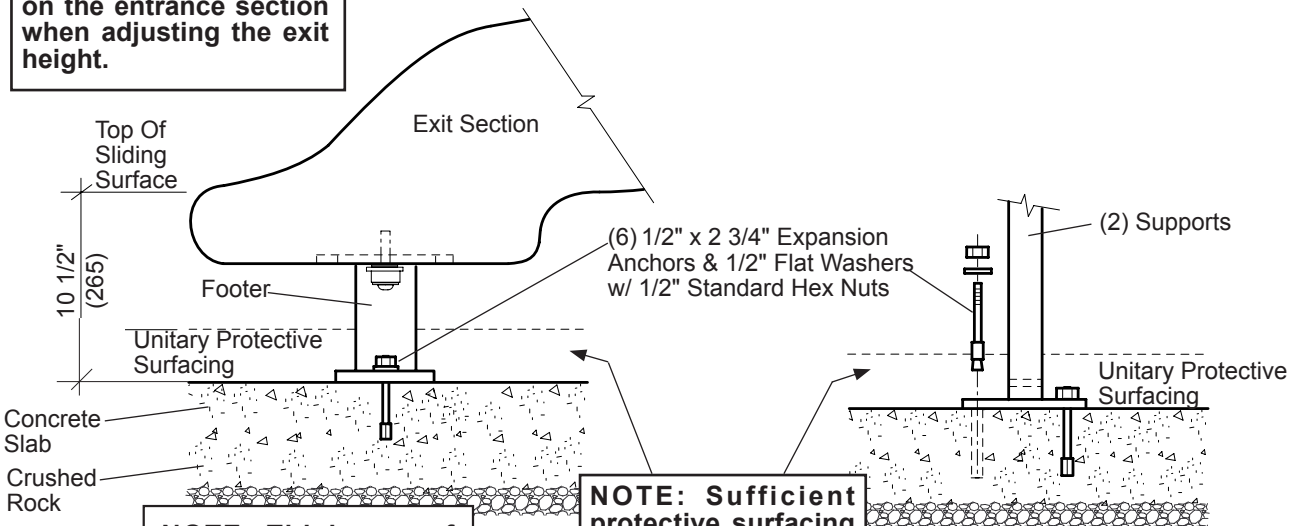
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
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.

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

© 2017 by Landscape Structures. All rights reserved.

PlayBooster® 222708 WhooshWinder™, 72" Deck

landscape structures®

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.

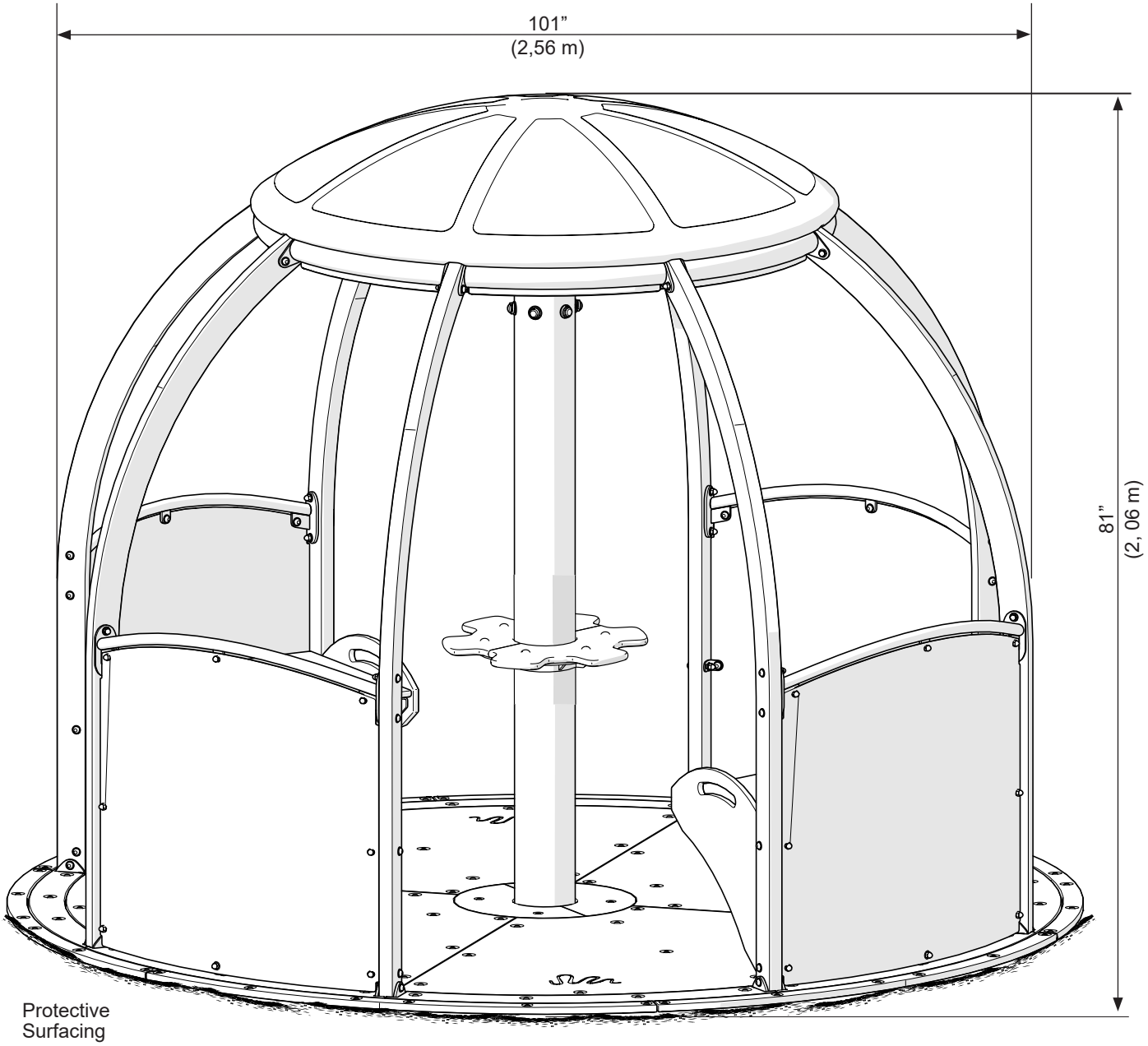
landscape structures®

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.)



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

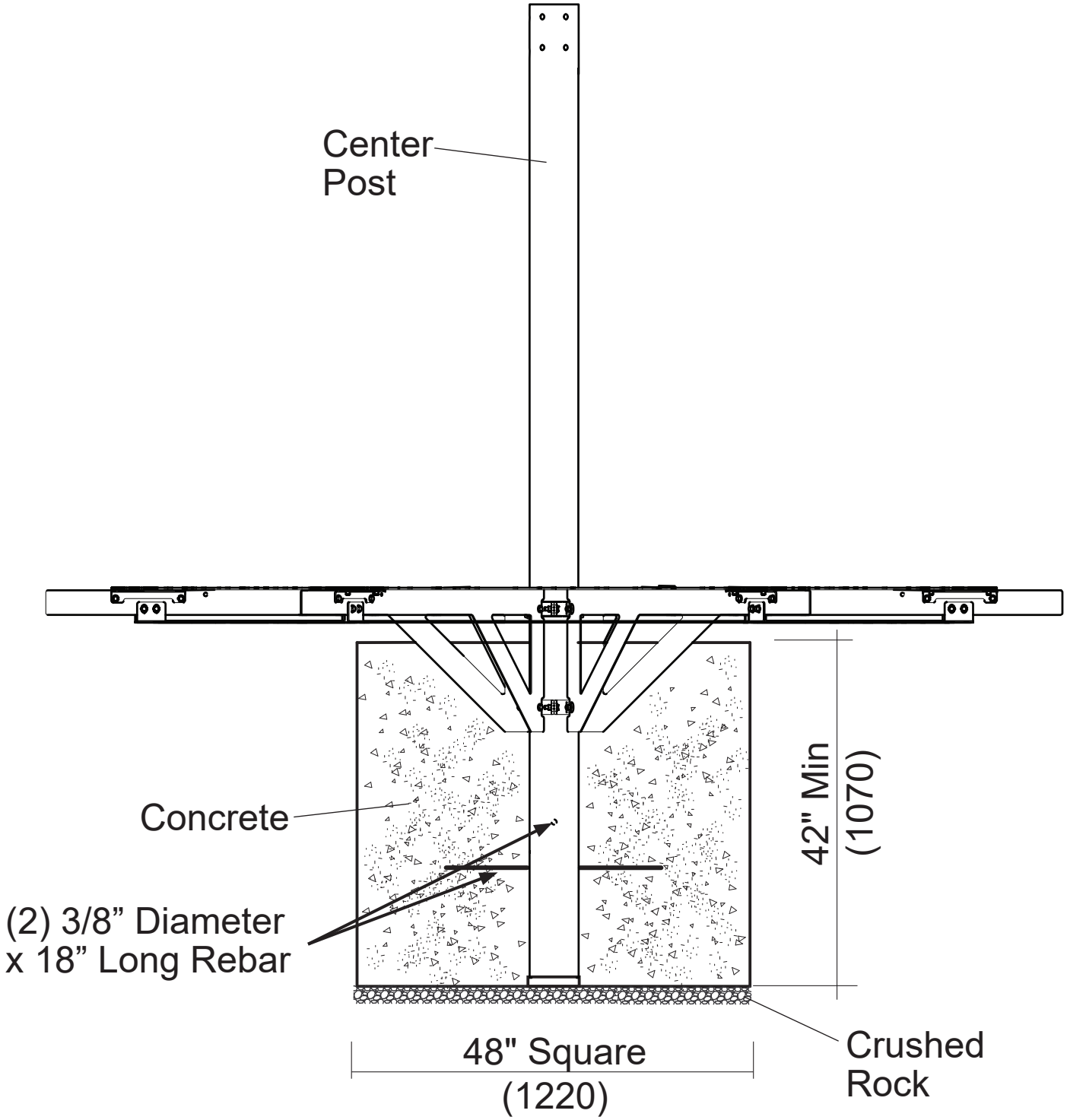
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2023 by Landscape Structures. All rights reserved

Document #33197100

landscape structures®

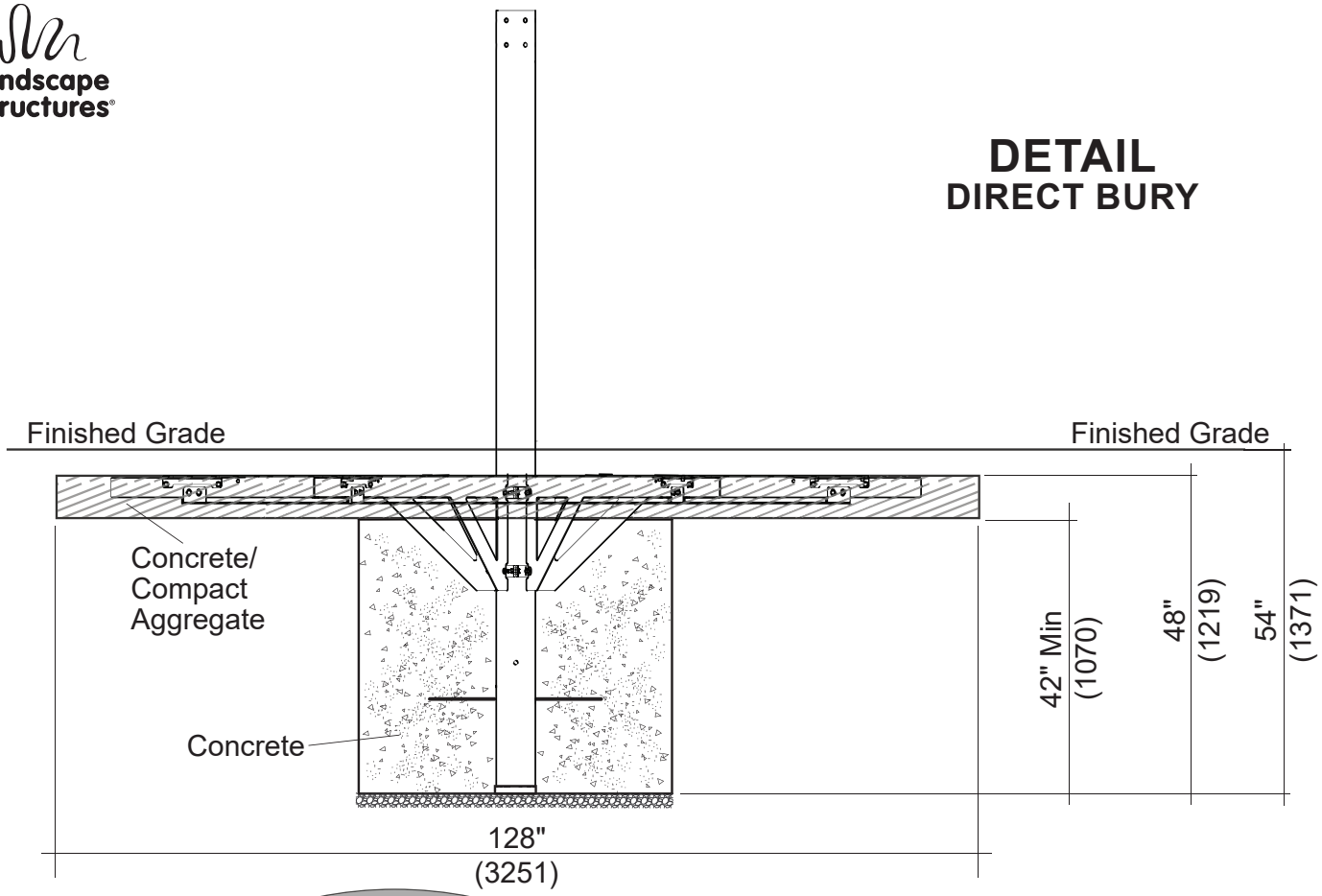
DETAIL
DIRECT BURY



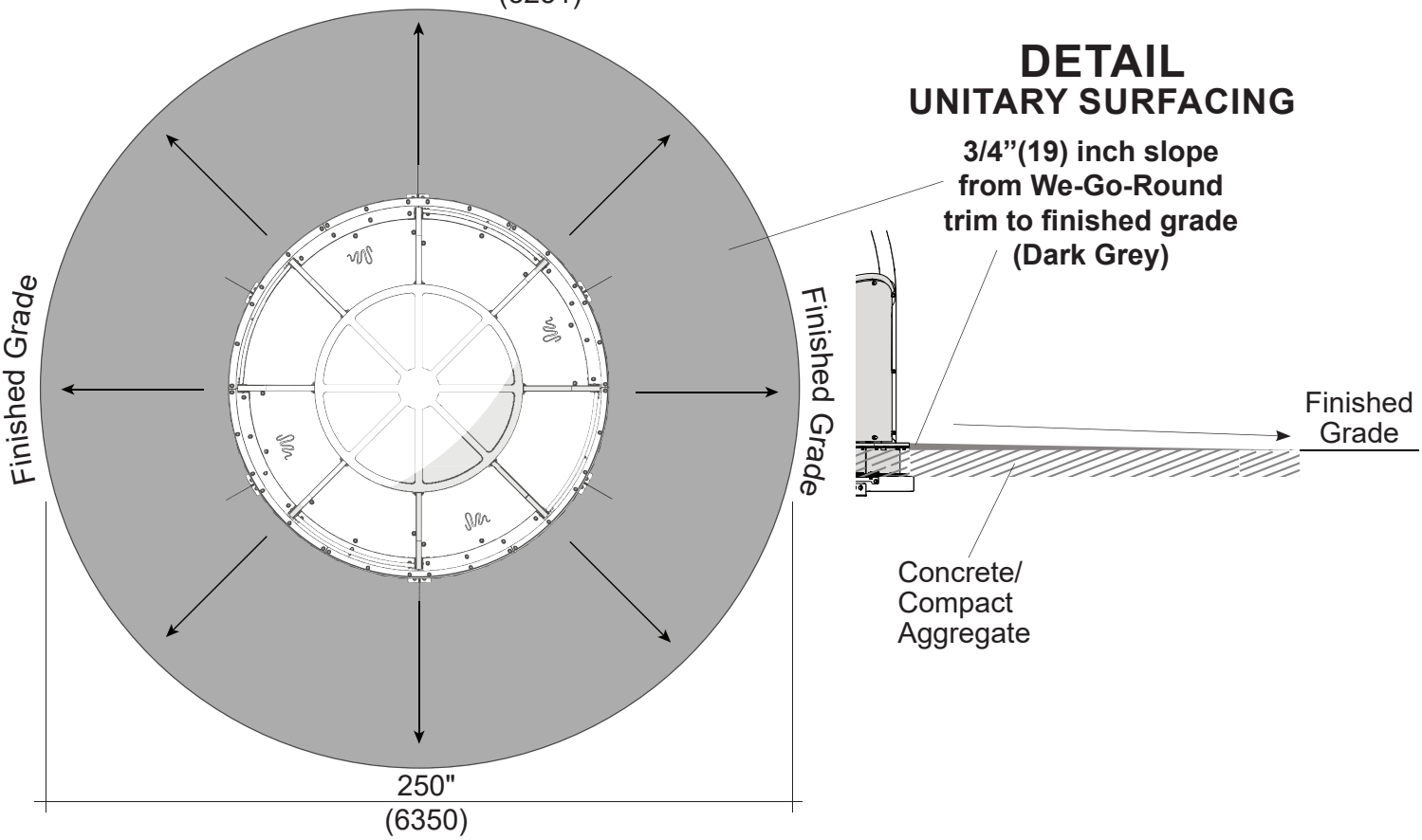
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

DETAIL
DIRECT BURY



DETAIL
UNITARY SURFACING

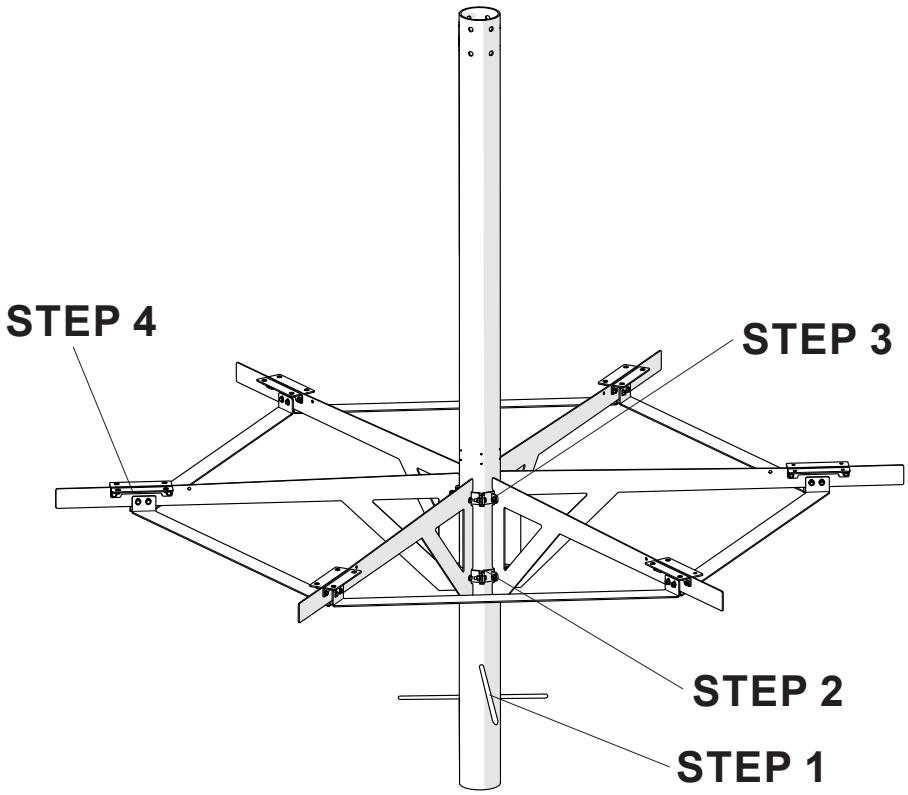


601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2023 by Landscape Structures. All rights reserved

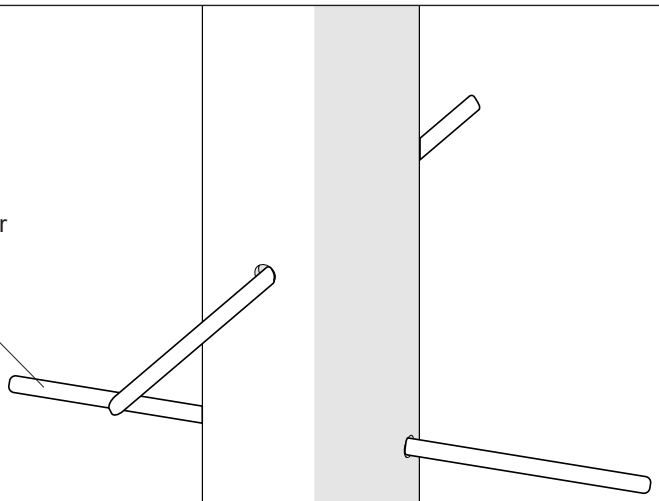
Document #33197100

FOUNDATION I



STEP 1

(2) 3/8” Diameter x 18” Long Rebar

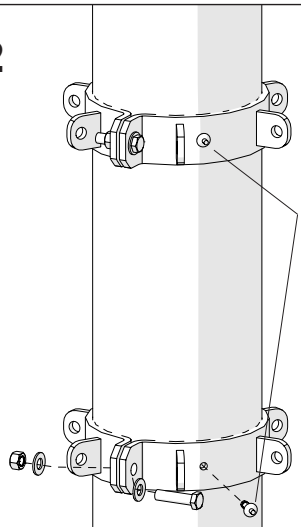


1x	6.0 OD x .25” x 119.50” Post (289361)	2x	3/8” x 18” Rebar (222399)

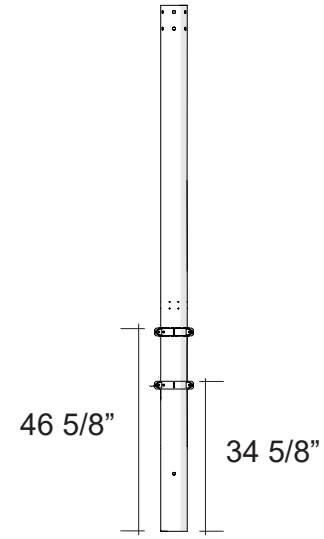
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 2

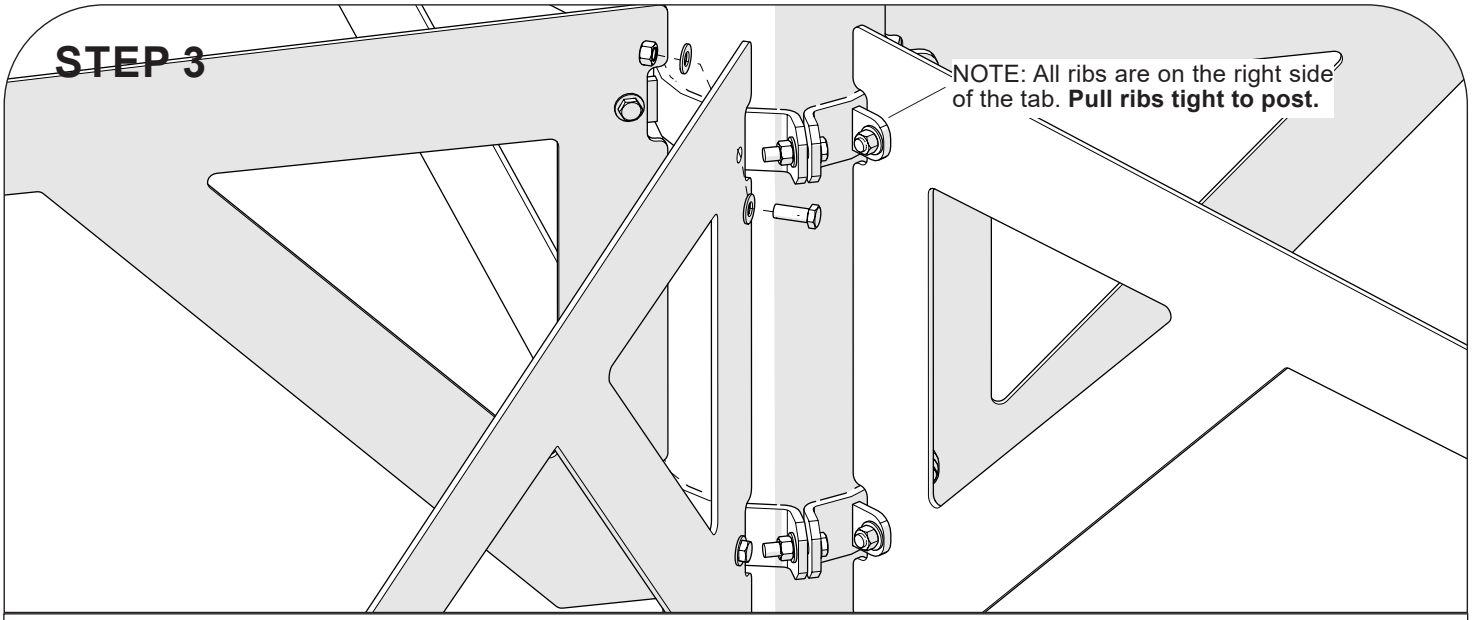


NOTE: Rivets will set clamp height and orientation.



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)

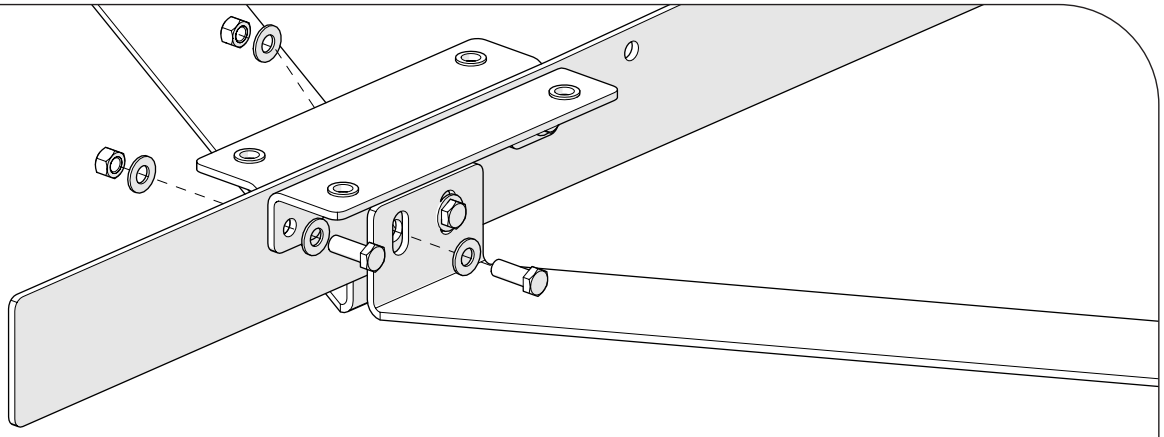
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2023 by Landscape Structures. All rights reserved

Document #33197100

landscape structures®

STEP 4



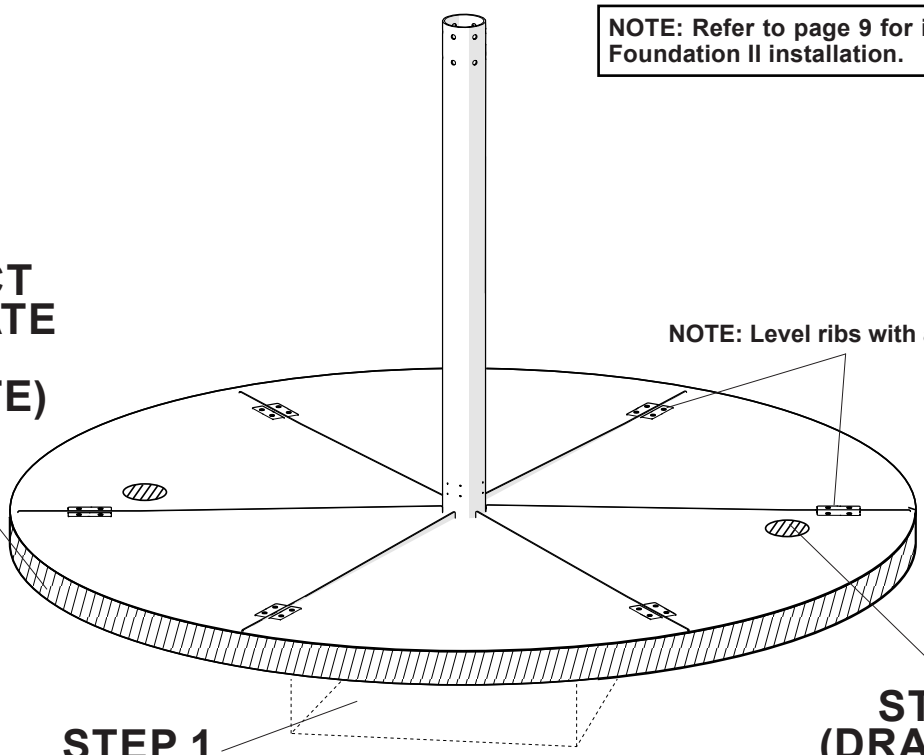
12x	Rib Bracket (249299)	24x	⅜" x 1" Hex Screw (100206)
24x	3/8" Standard Hex Nut (100327)	48x	3/8" SAE Washer (100365)
6x	Rib Footer (249297)		

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



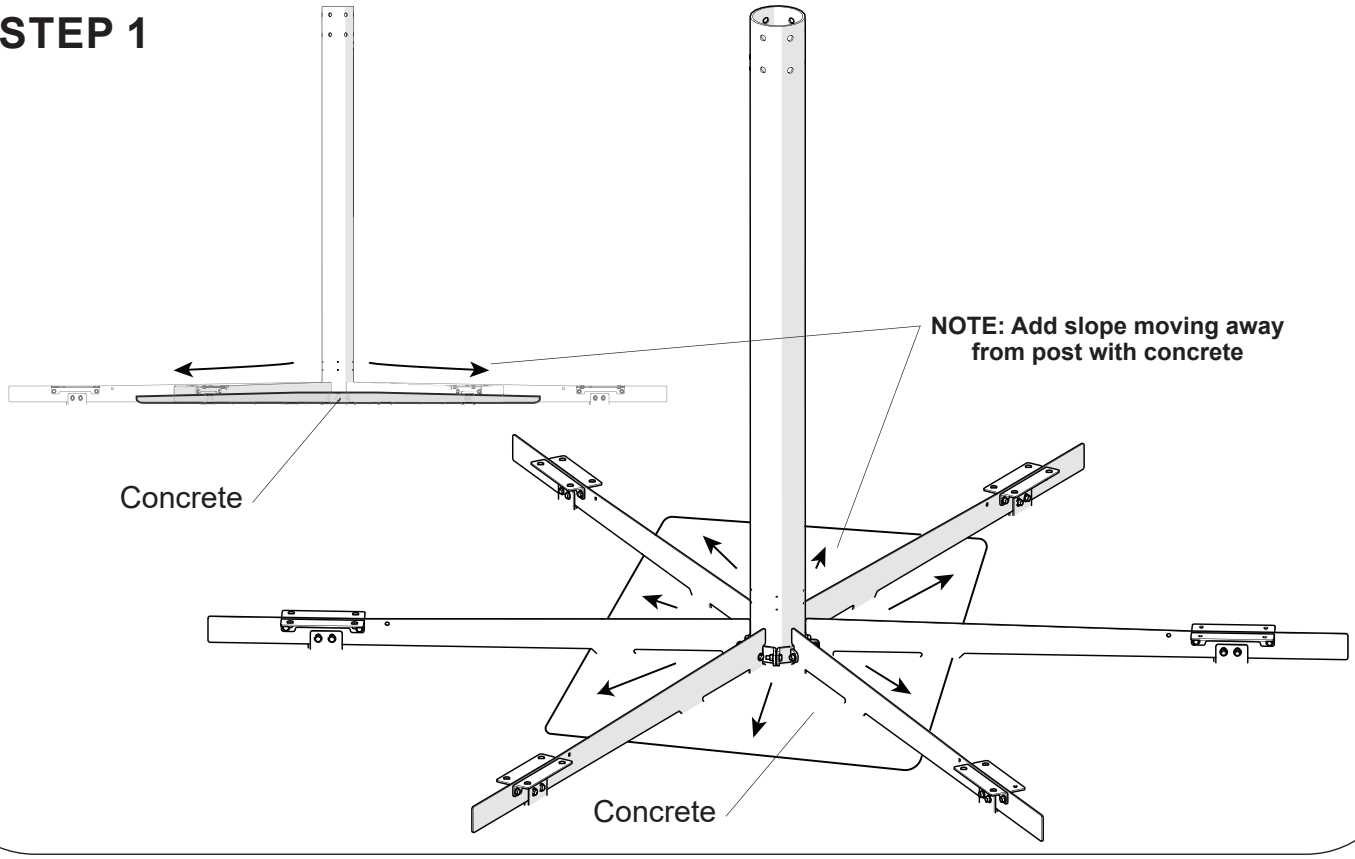
STEP 1 (CONCRETE)

STEP 2 (DRAINAGE)

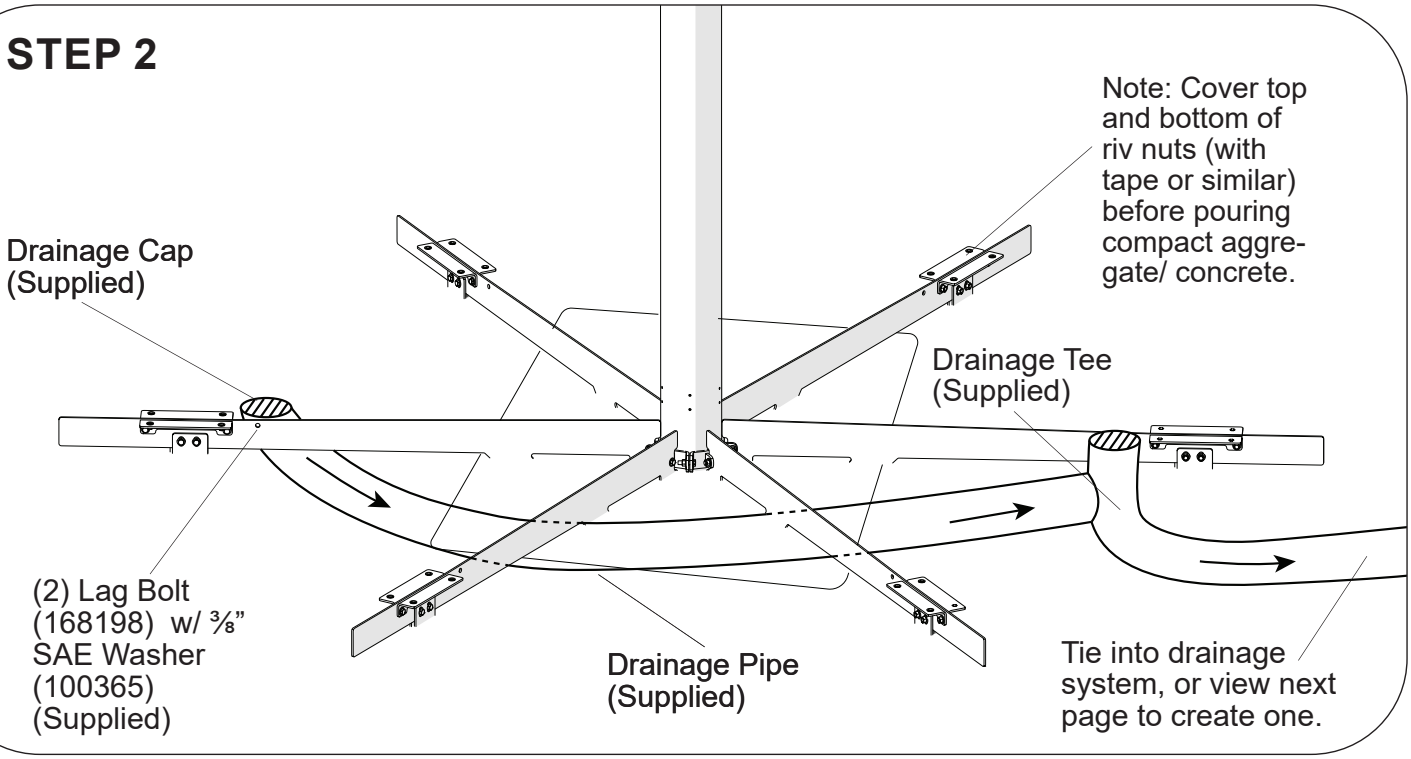
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 1



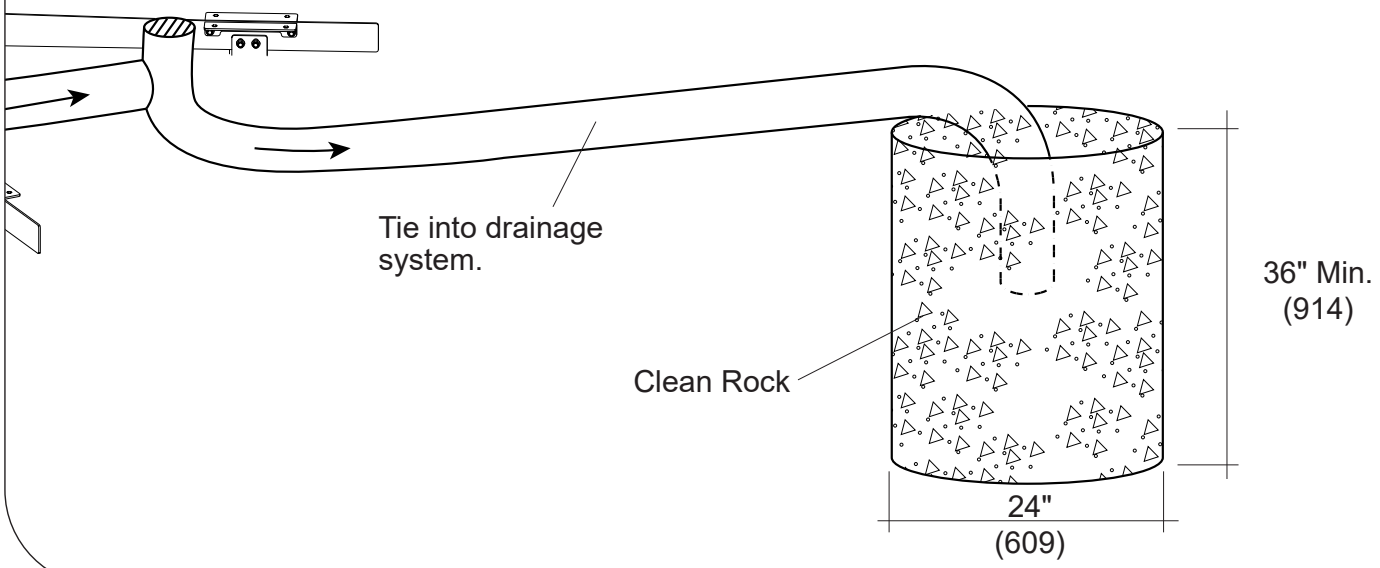
STEP 2



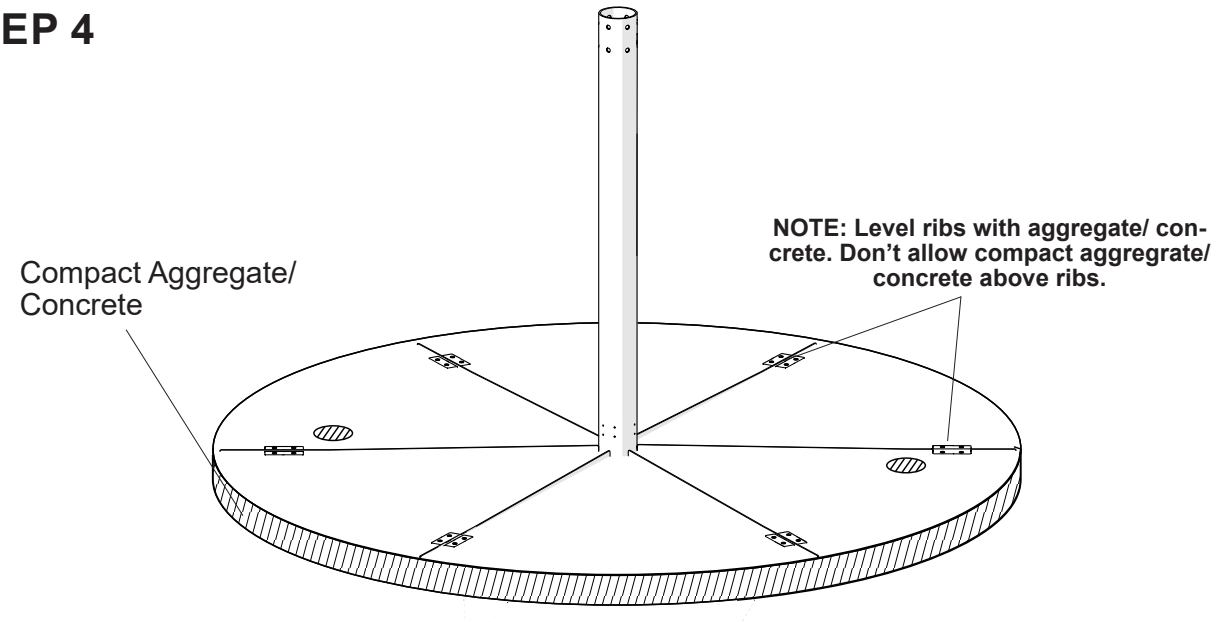
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

STEP 3

Note: For sites without an existing drainage system.



STEP 4



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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

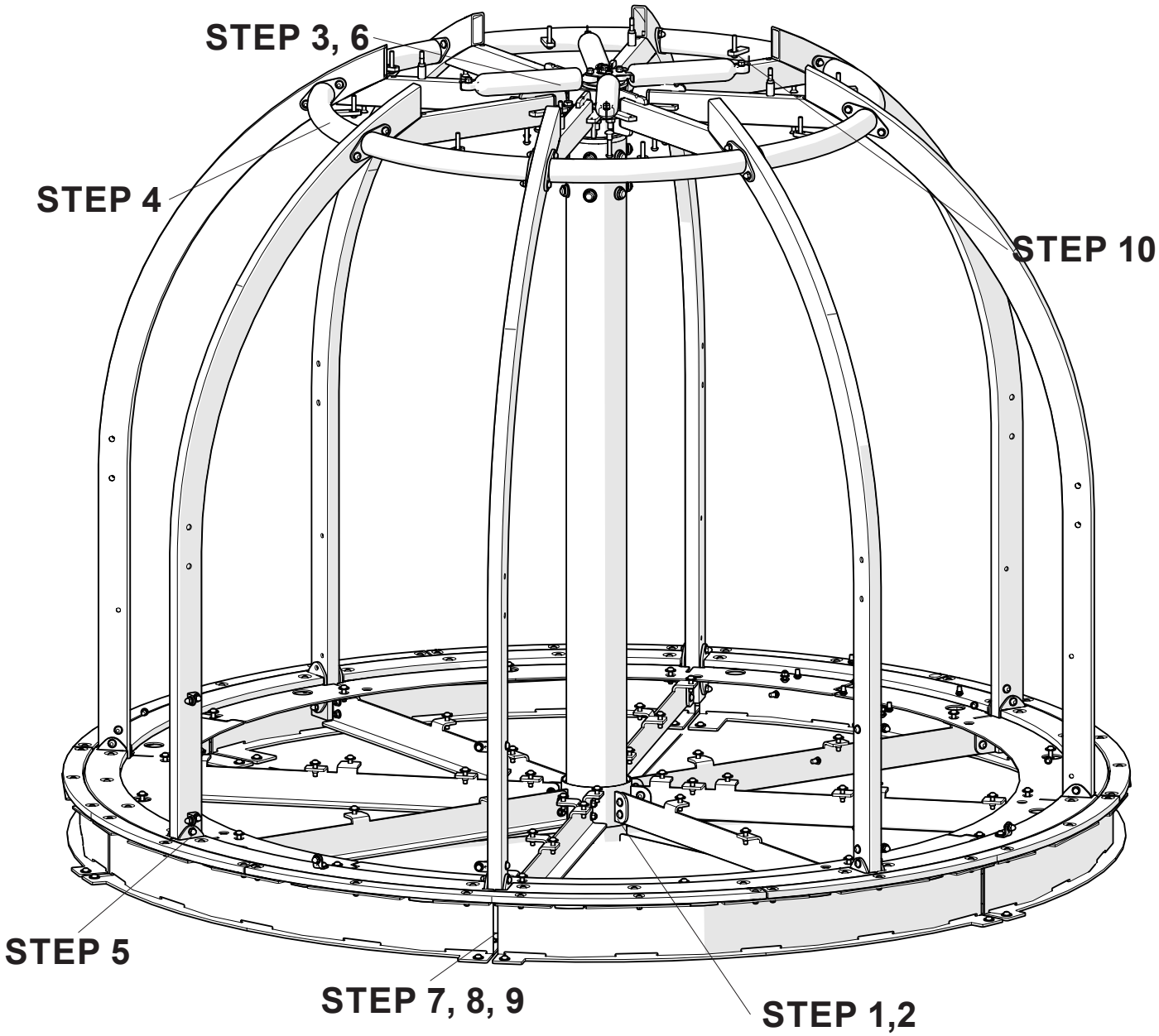






601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved

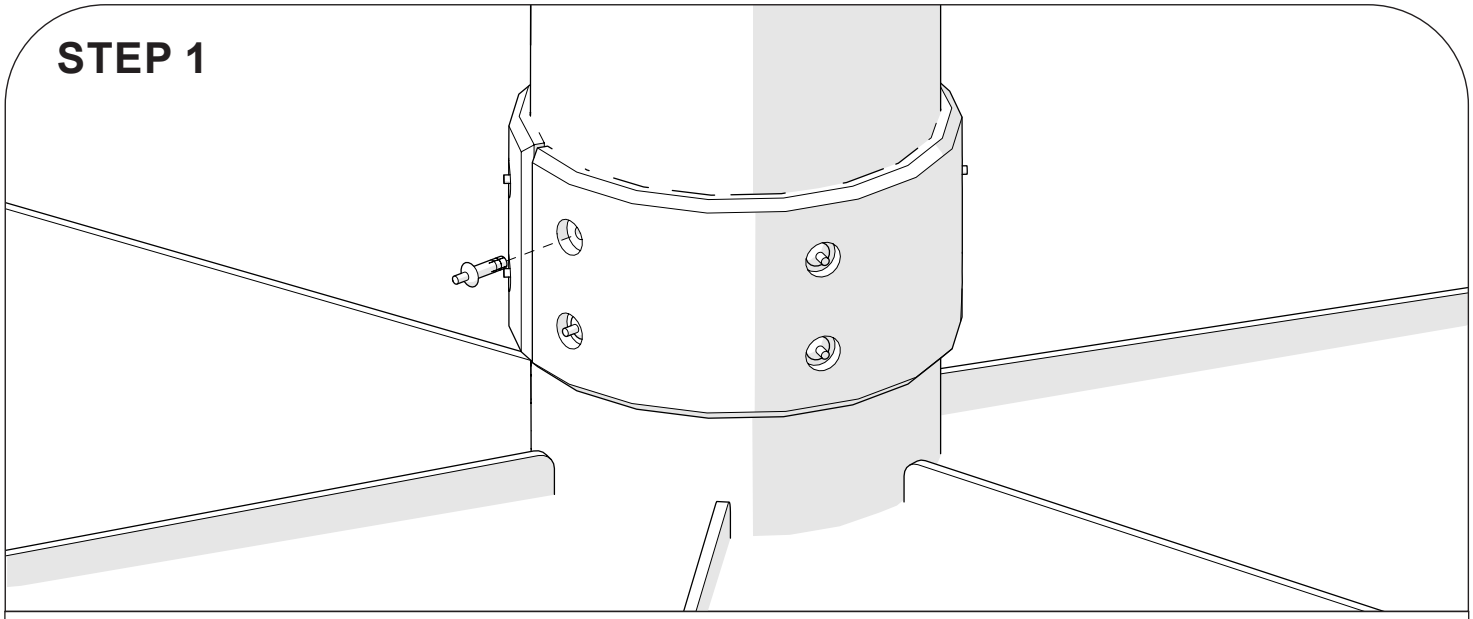
STRUCTURE



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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 1

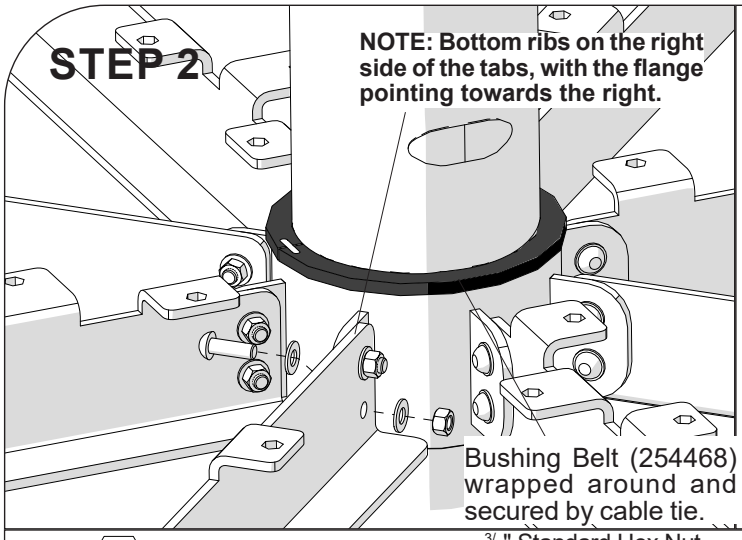


12x ..... 1/4" x 3/8" Drive Rivet (100611)

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

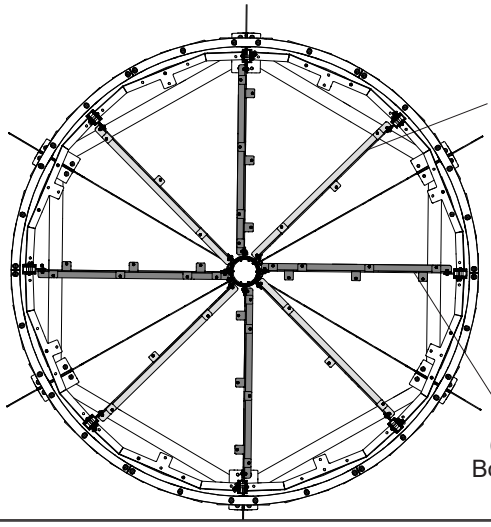
https://bit.ly/2T8GfGk

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)

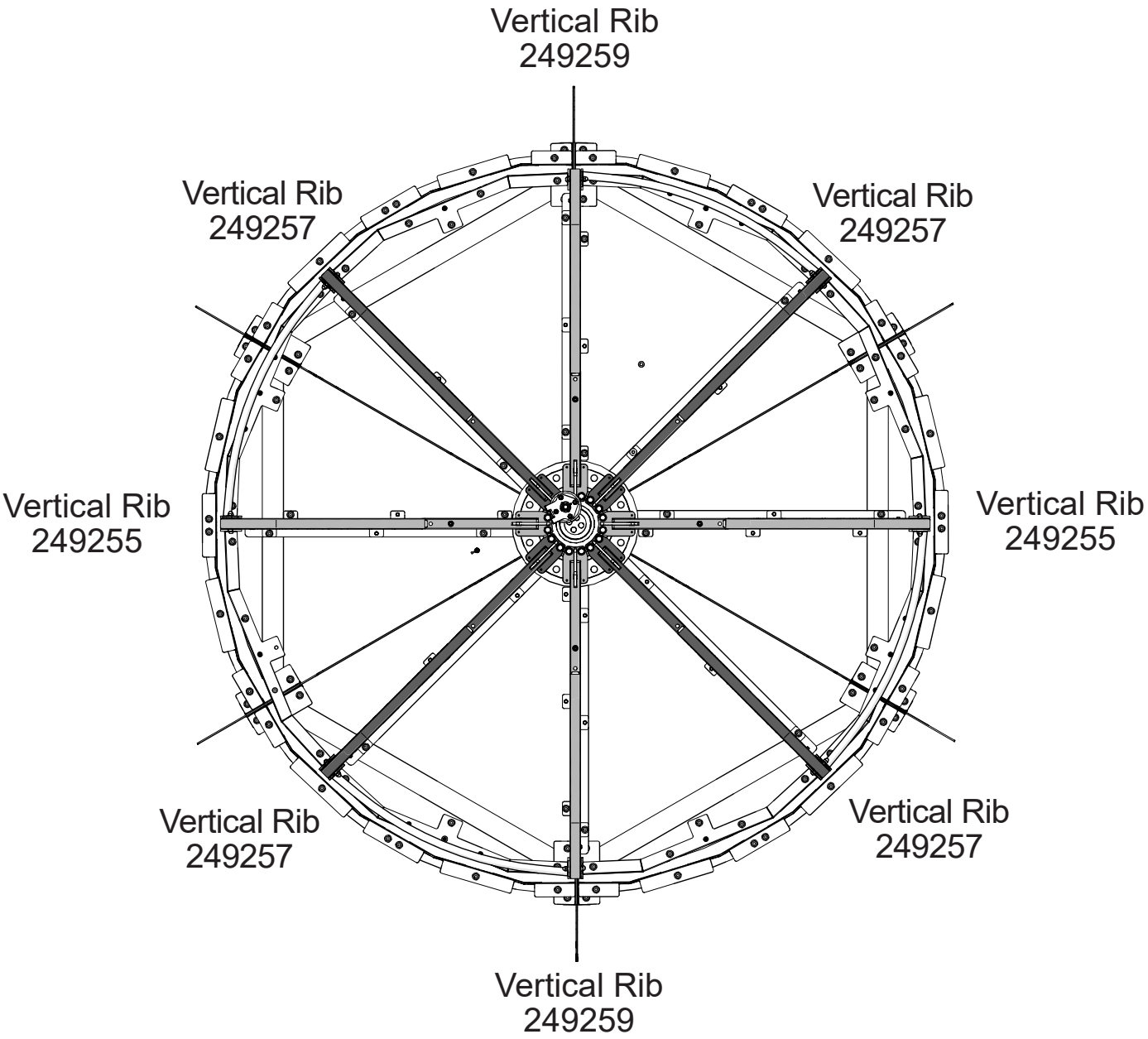
1x ..... Bottom Rib Mount (248520)

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

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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

REFERENCE FOR STEP 4

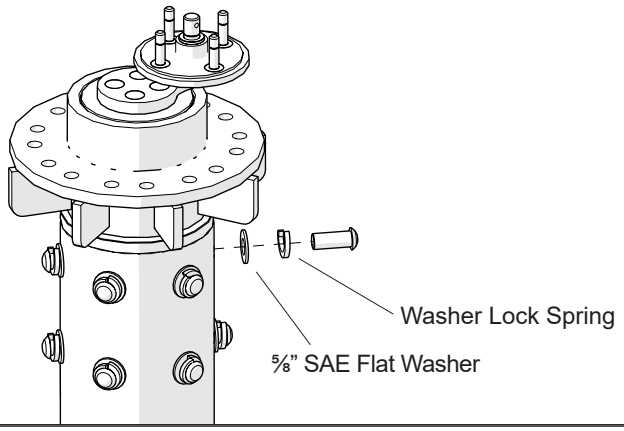
NOTE: Orientation of the Vertical ribs and 3 Tab/ 7 Tab Bottom ribs are independent of each other.



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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

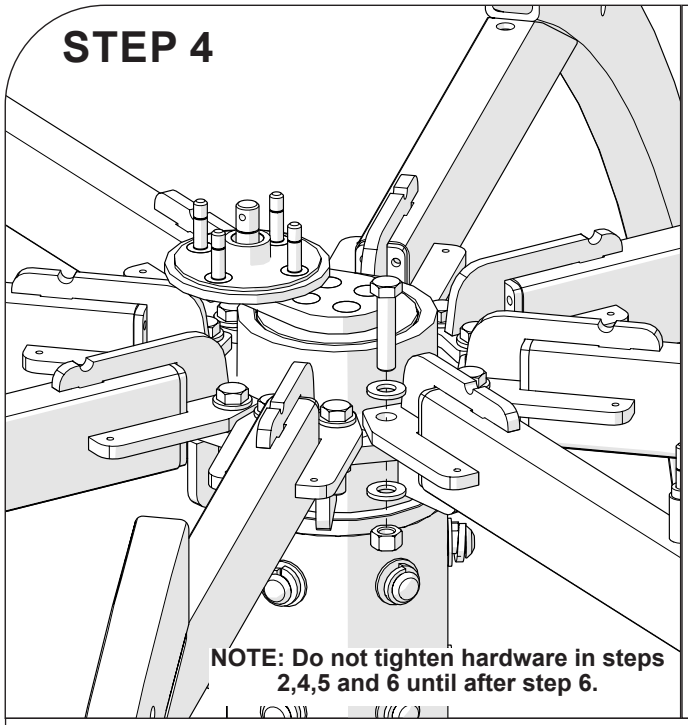
landscape structures®

STEP 3

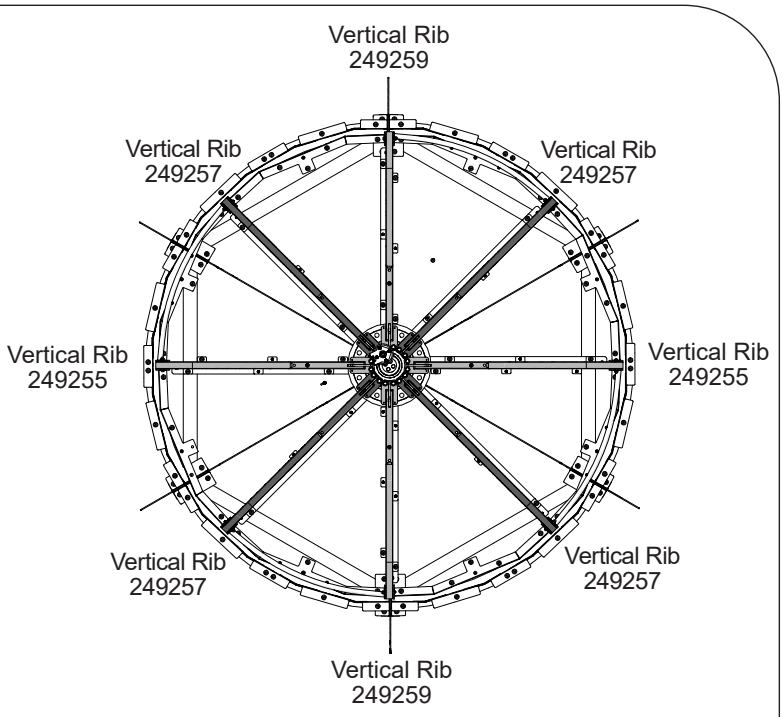


1x	1.25 Offset Bearing and Hub Assembly (254134)	12x	$^{5}/_{8}$ x 1 $^{1}/_{2}$" BHCS (100201)
12x	⅝" SAE Flat Washer (129500)	12x	Washer Lock Spring (175652)

STEP 4



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

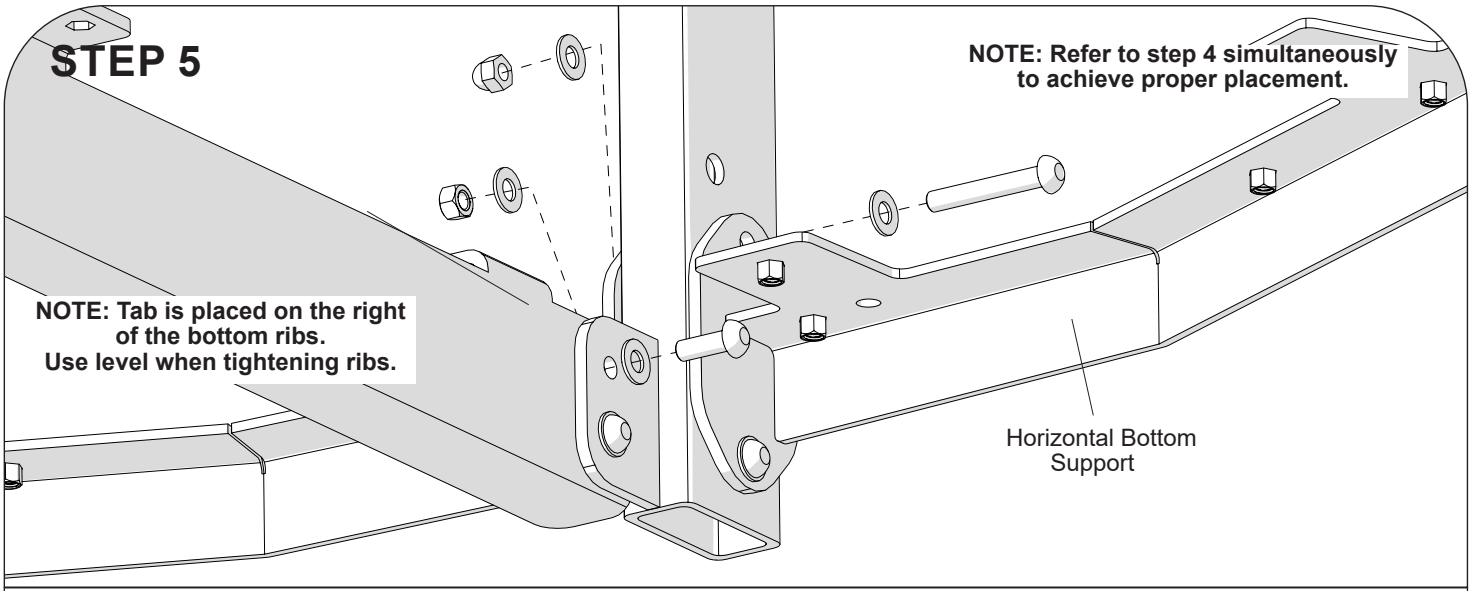


2x	Vertical Rib w/Pin and 1 Insert (249259)	16x	$^{1}/_{2}$" Standard Hex Nut (129692)
4x	Vertical Rib w/o Pin and 1 Insert (249257)	16x	½" x 2 ¼" Hex Screw (131862)
2x	Vertical Rib w/Pin and 4 Inserts (249255)	32x	$^{1}/_{2}$" SAE Washer (113550)

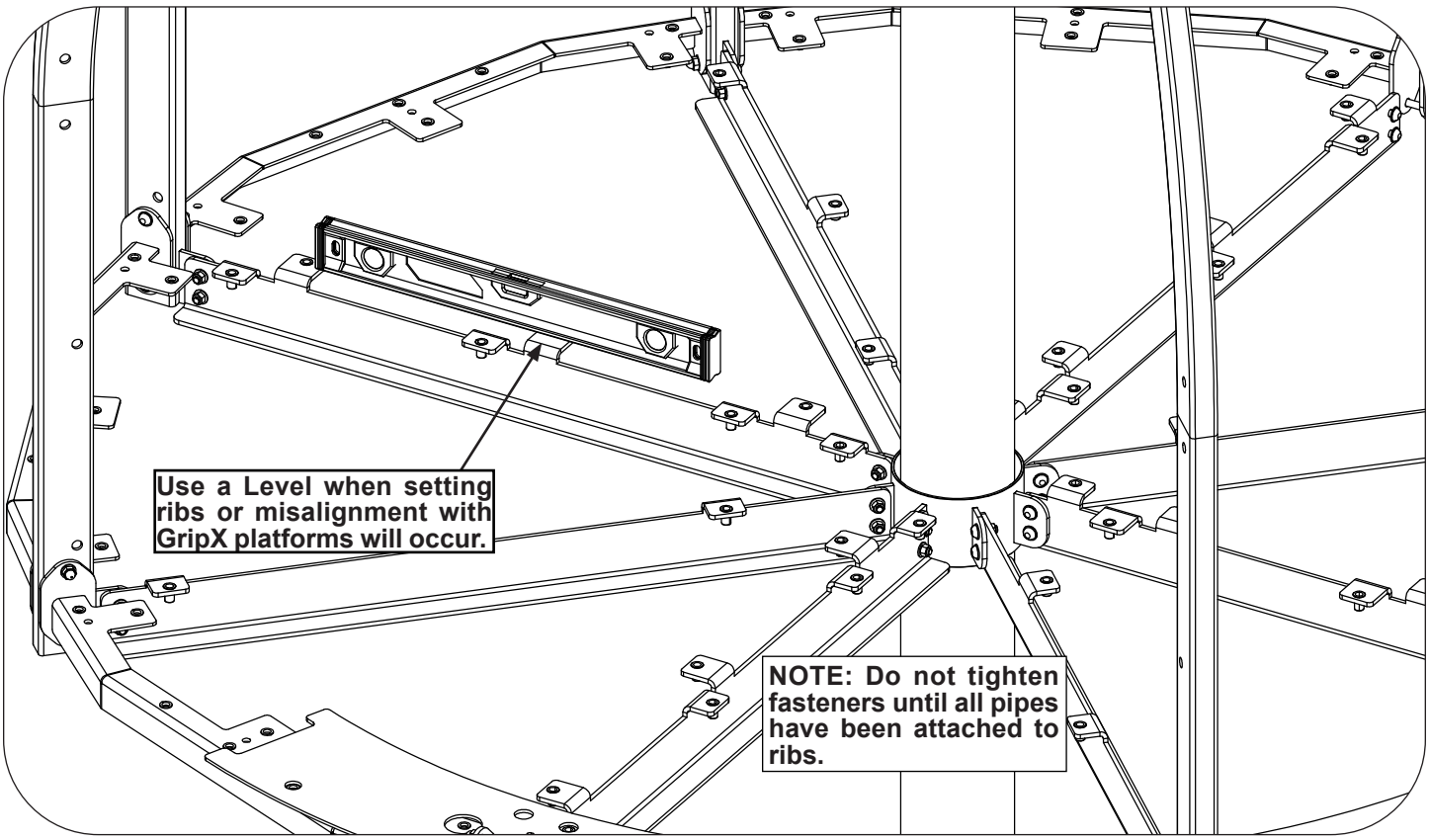
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 5



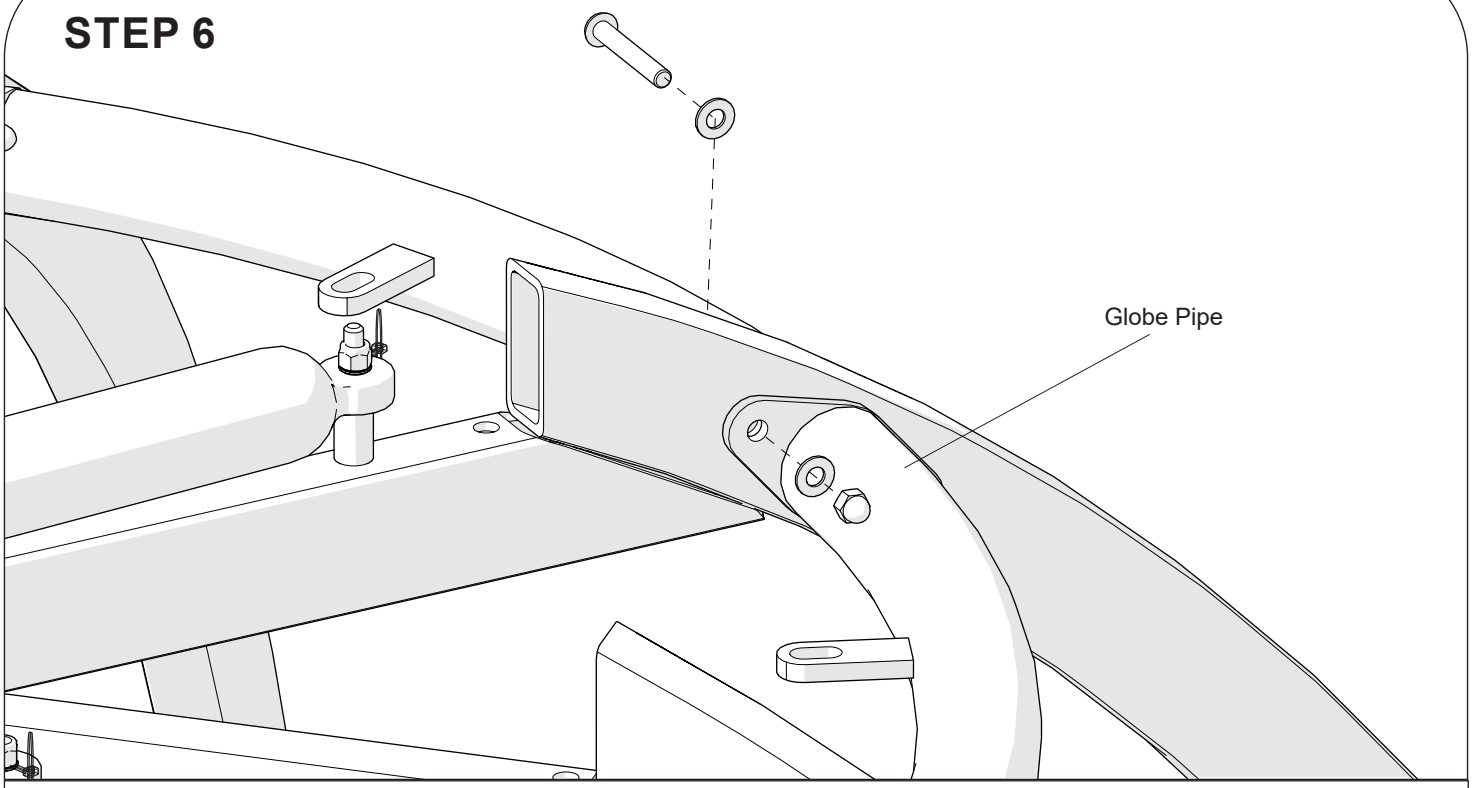
8x	Horizontal Bottom Support (249286)	16x	3/8" Standard Hex Nut (100327)
16x	3/8" Low Crown Hex Nut (100349)	64x	3/8" SAE Washer (100365)
16x	3/8 x 2 1/2" BHCS (100174)	16x	3/8 x 1 1/8" BHCS (100198)



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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 6

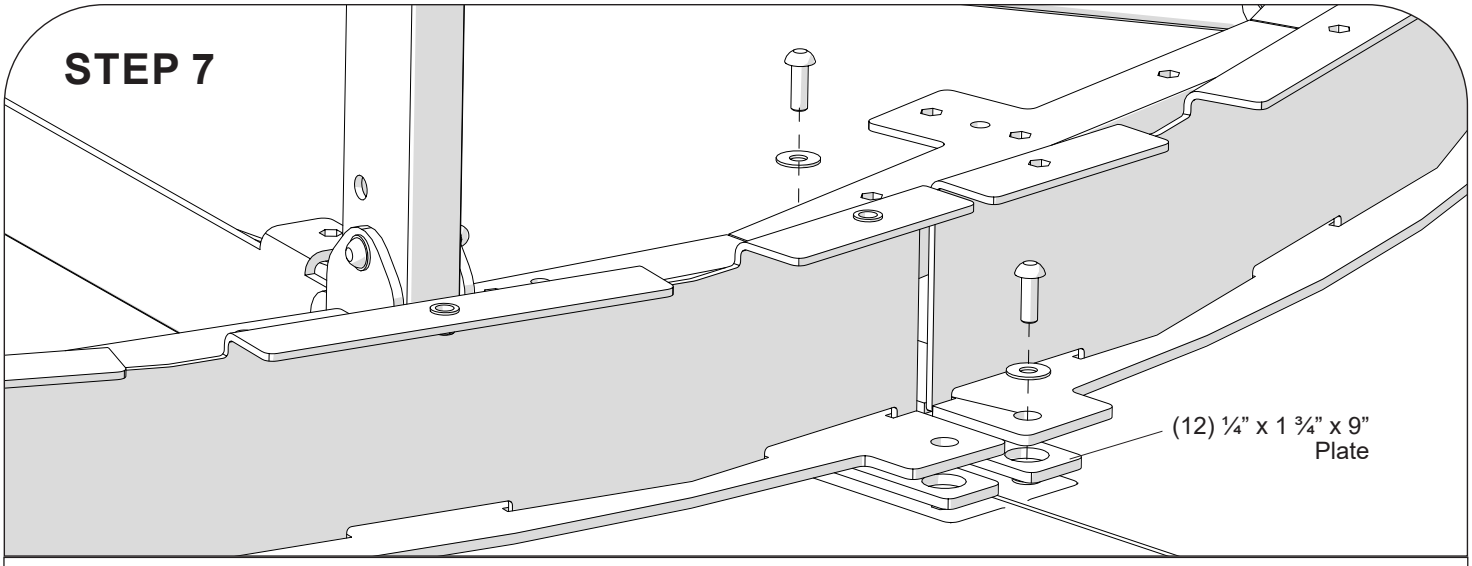


8x	Globe Pipe (212866)	16x	$^{3}/_{8}$ x 2 $^{1}/_{2}$" BHCS (100174)
16x	$^{3}/_{8}$" Low Crown Hex Nut (100349)	32x	$^{3}/_{8}$" SAE Washer (100365)

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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

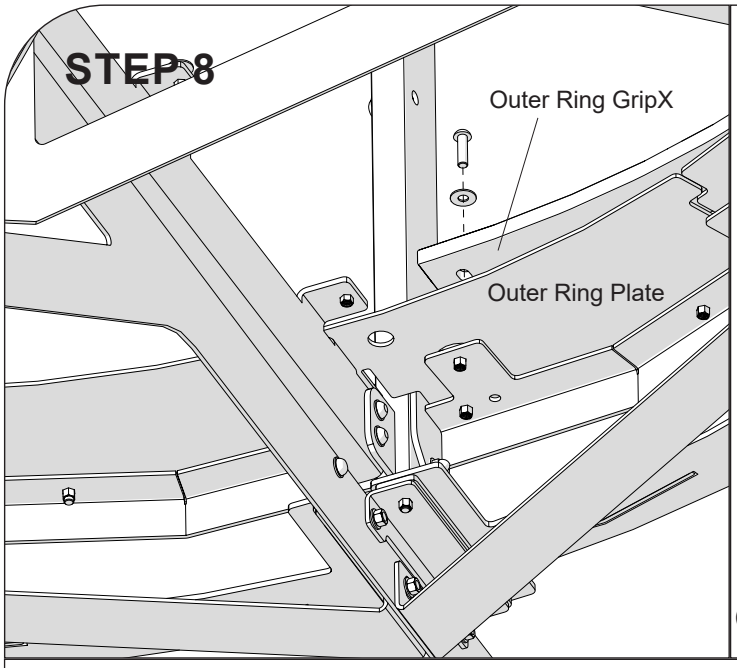
landscape structures®

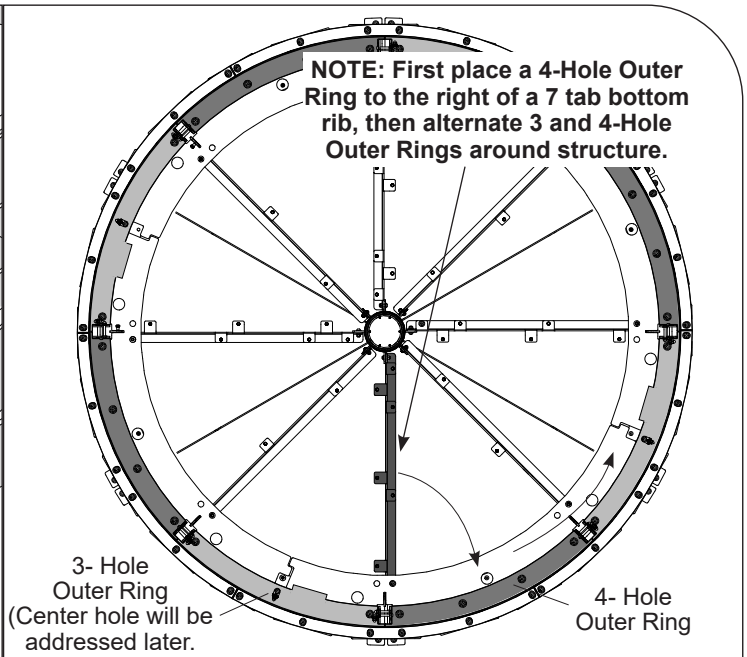
STEP 7



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)		

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

© 2023 by Landscape Structures. All rights reserved

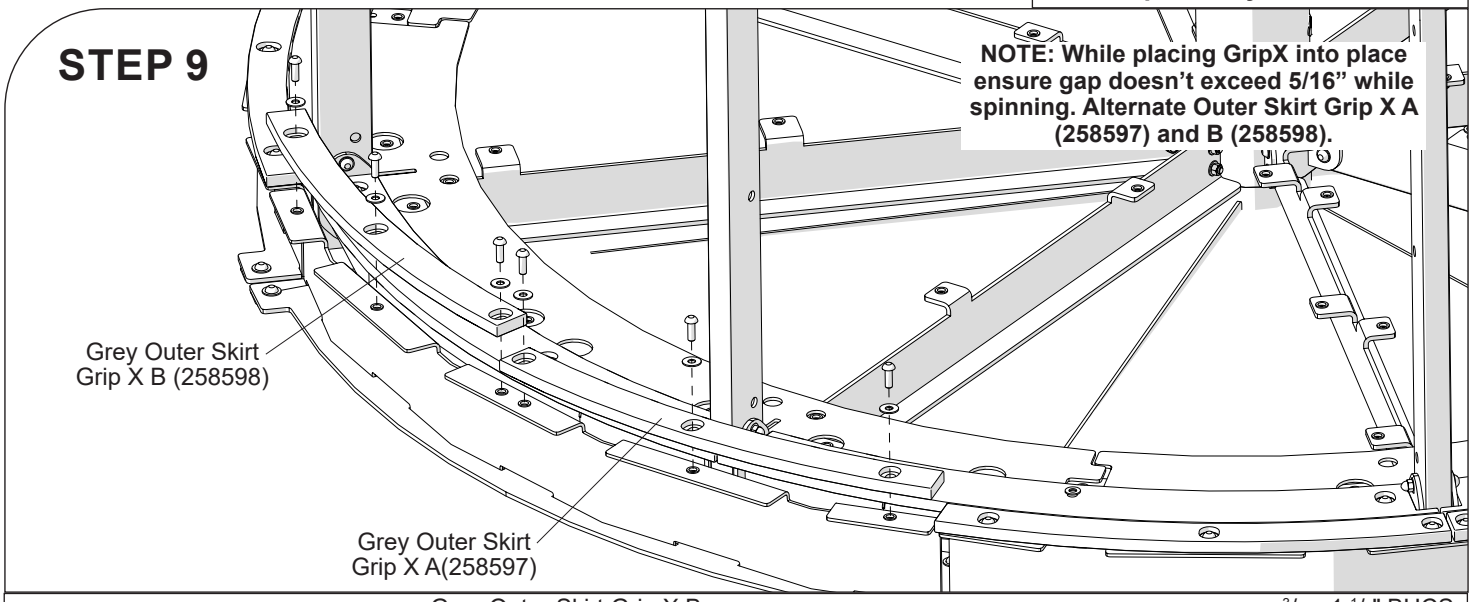
Document #33197100

landscape structures®

https://bit.ly/2DTsWVh

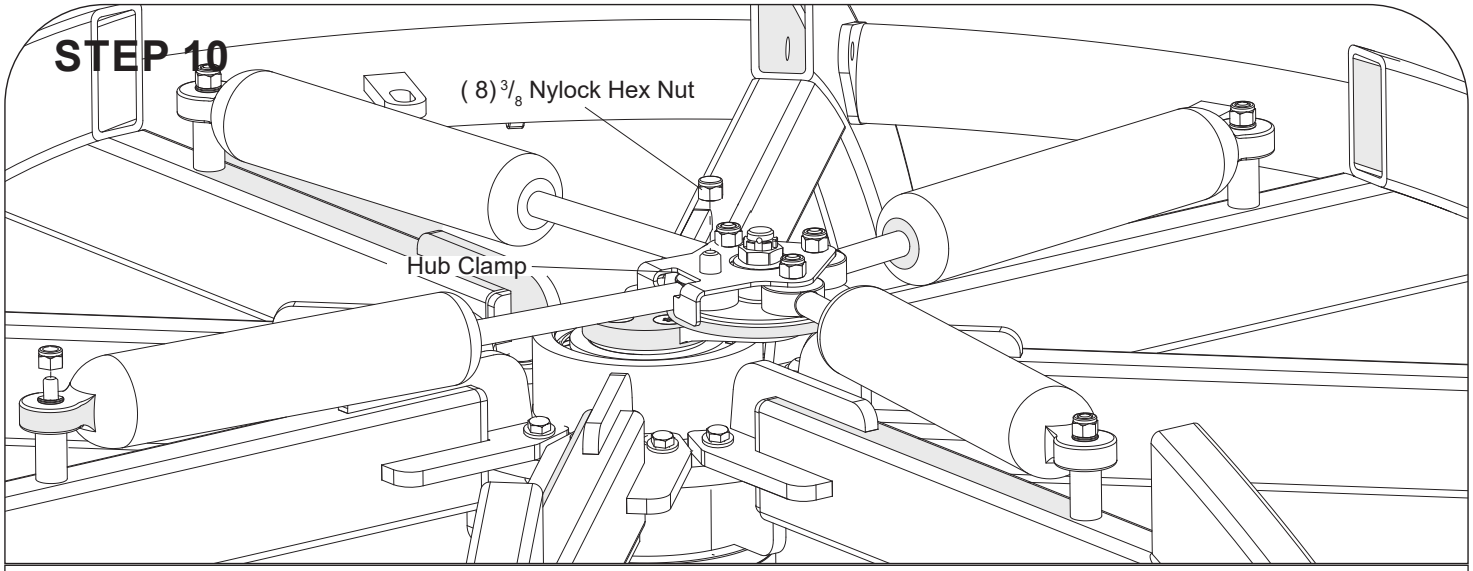
STEP 9

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)		

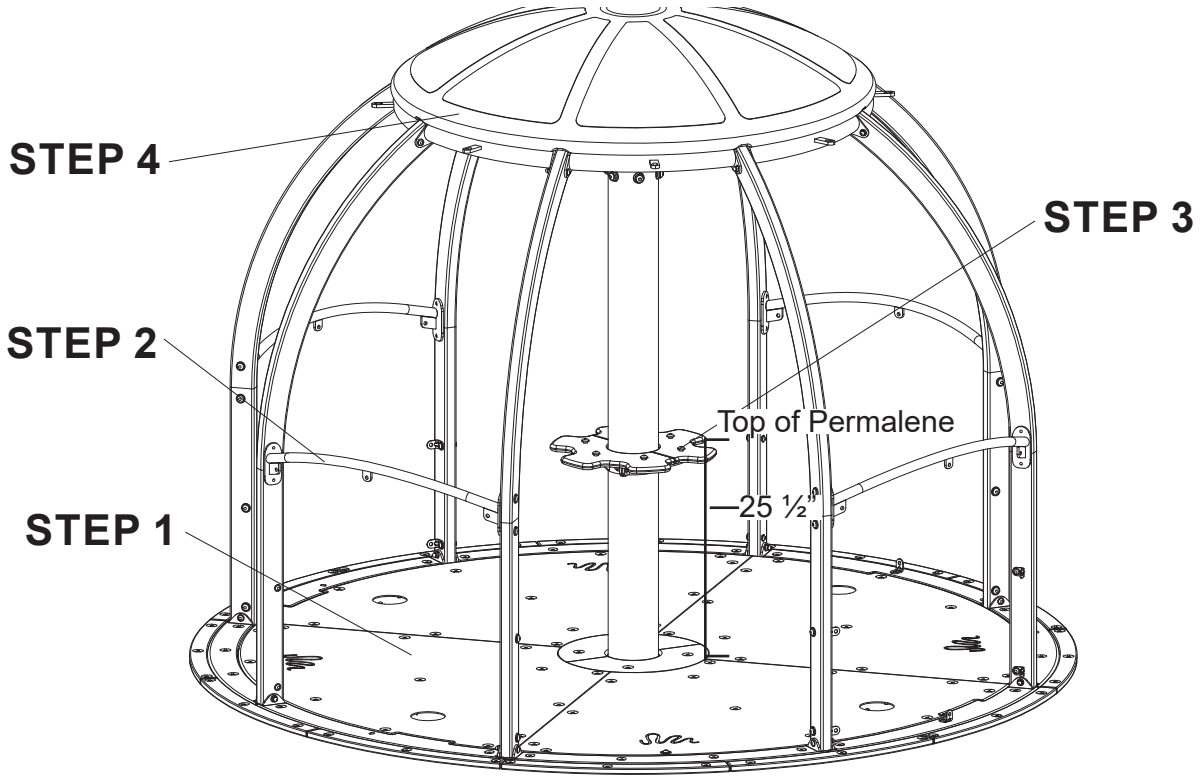
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

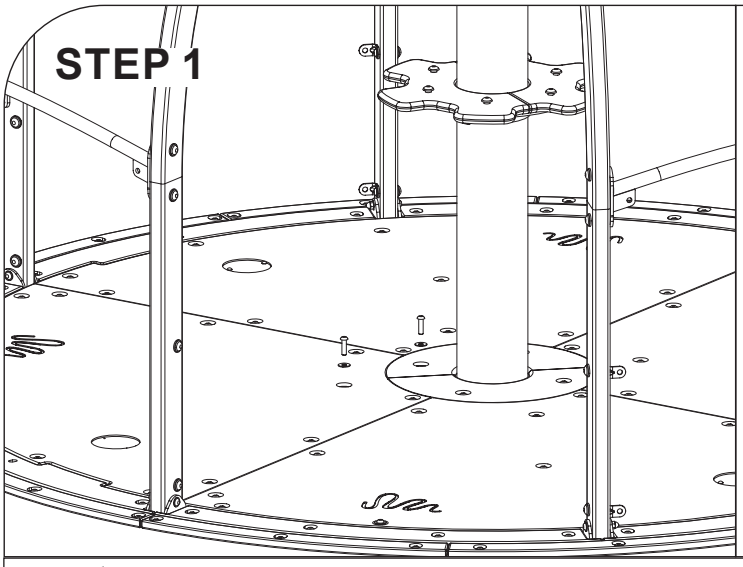
© 2023 by Landscape Structures. All rights reserved

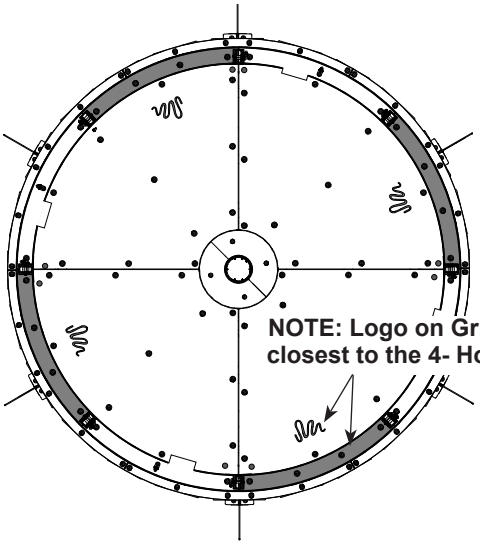
Document #33197100

landscape structures®

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)

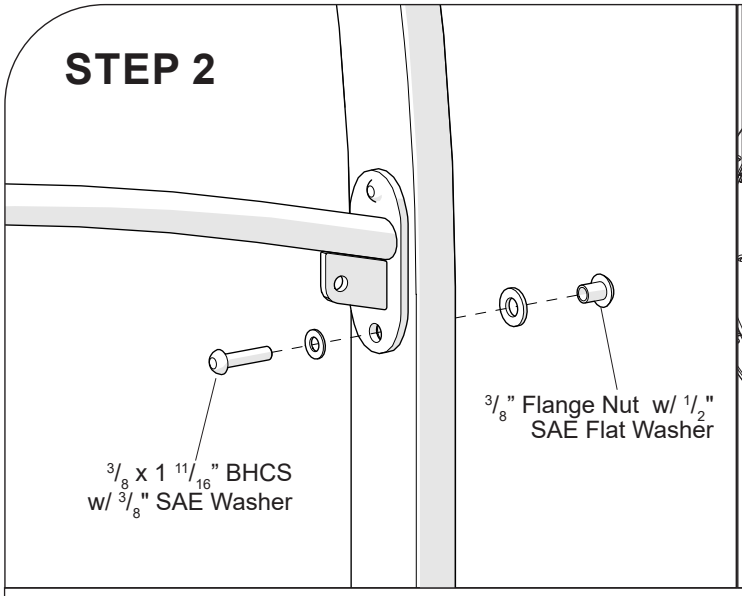
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

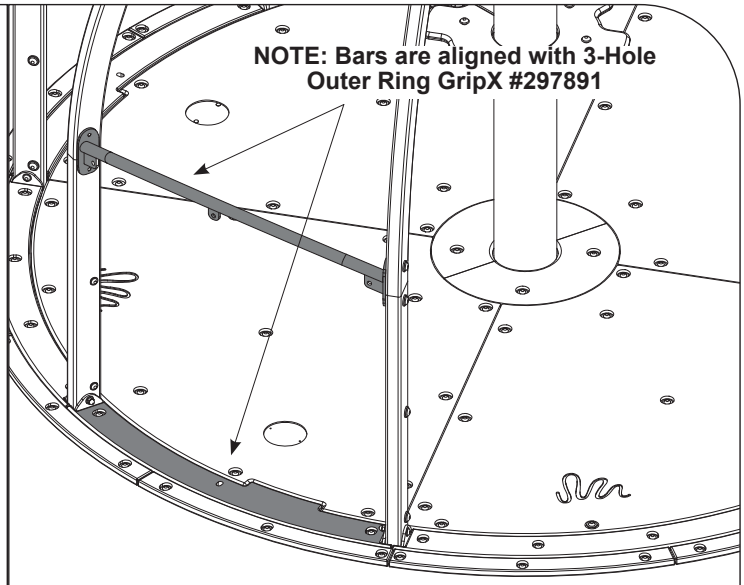
© 2023 by Landscape Structures. All rights reserved

Document #33197100

landscape structures®

STEP 2

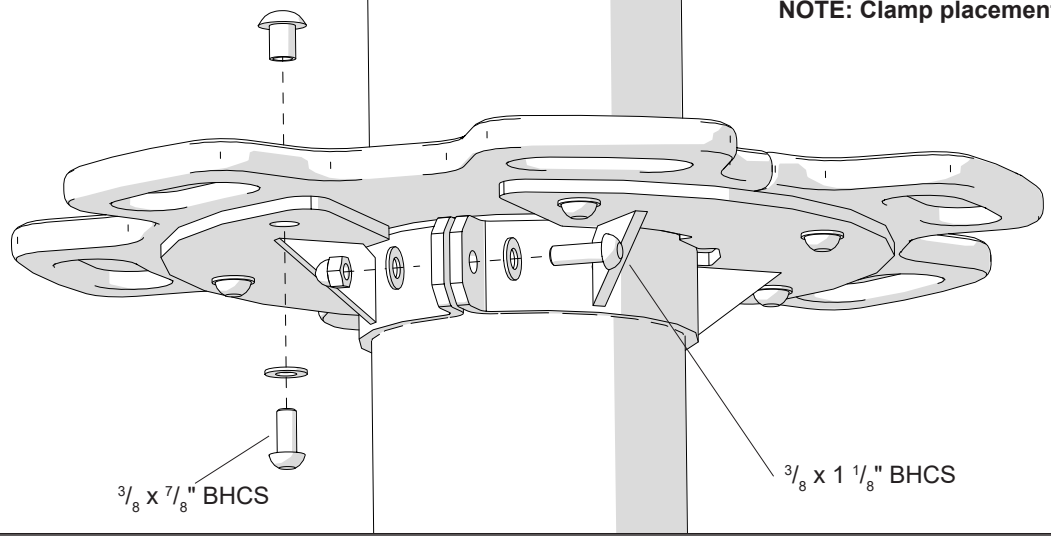




4x	Arch Support (249265)	16x	3/8" SAE Washer (100365)
16x	3/8 x 1 11/16" BHCS (123224)	16x	3/8" Flange Nut (100353)
16x	1/2" SAE Flat Washer (113550)		

STEP 3

NOTE: Clamp placement on Page 17

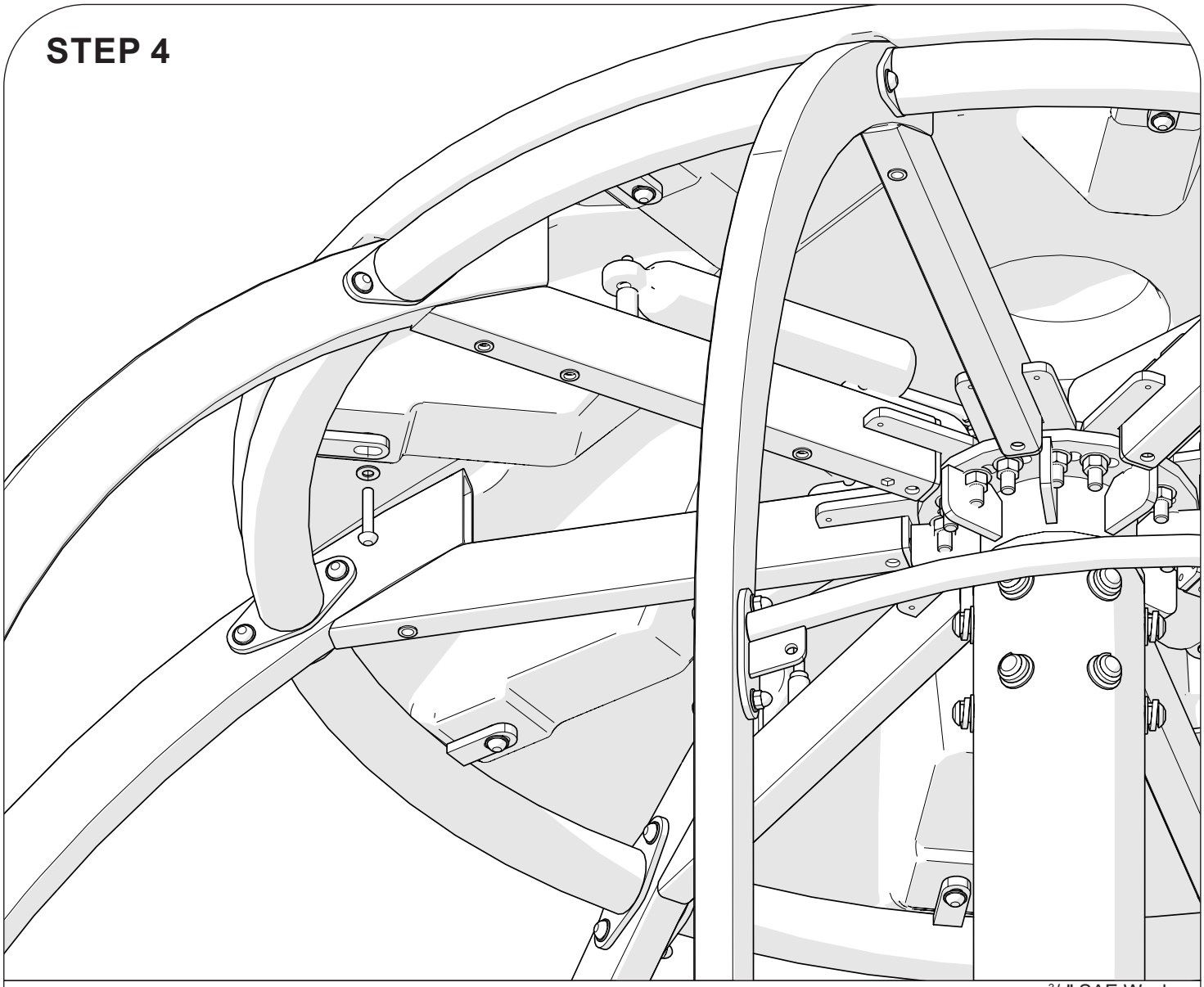


2x	Center Post Ring Weldment (249268)	10x	3/8" SAE Washer (100365)
2x	Center Ring Permalene (246424)	2x	3/8" Low Crown Hex Nut (100349)
2x	3/8 x1 1/8" BHCS (100198)	6x	3/8" Flange Nut (100353)
6x	3/8 x 7/8" BHCS (100196)		

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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

STEP 4



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

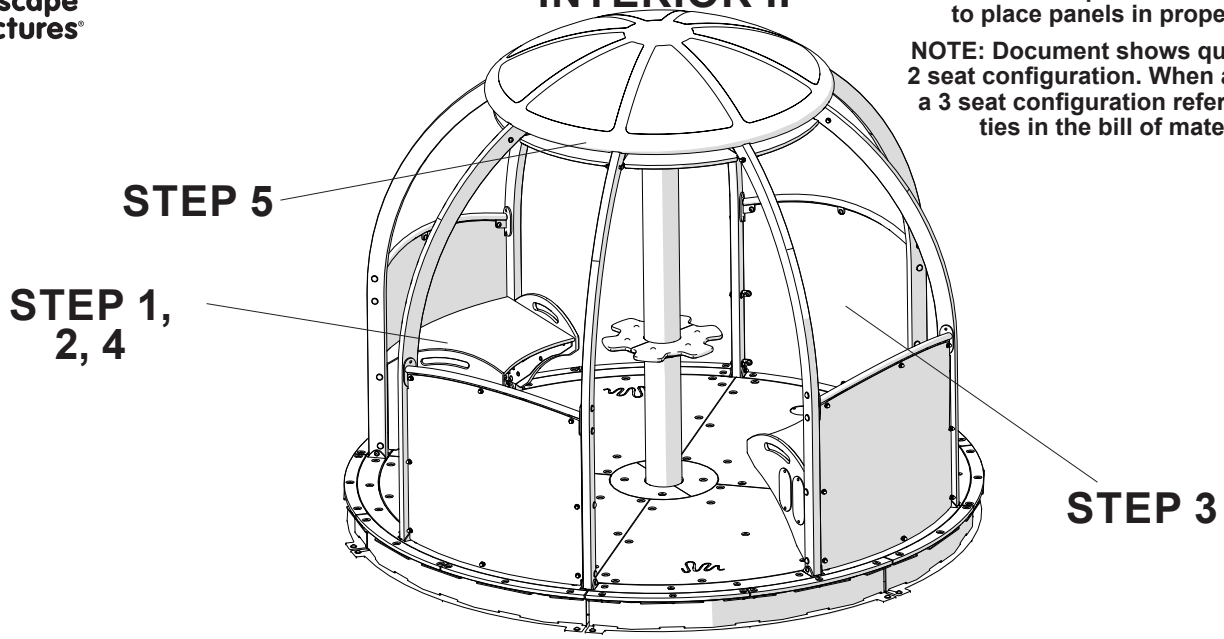
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

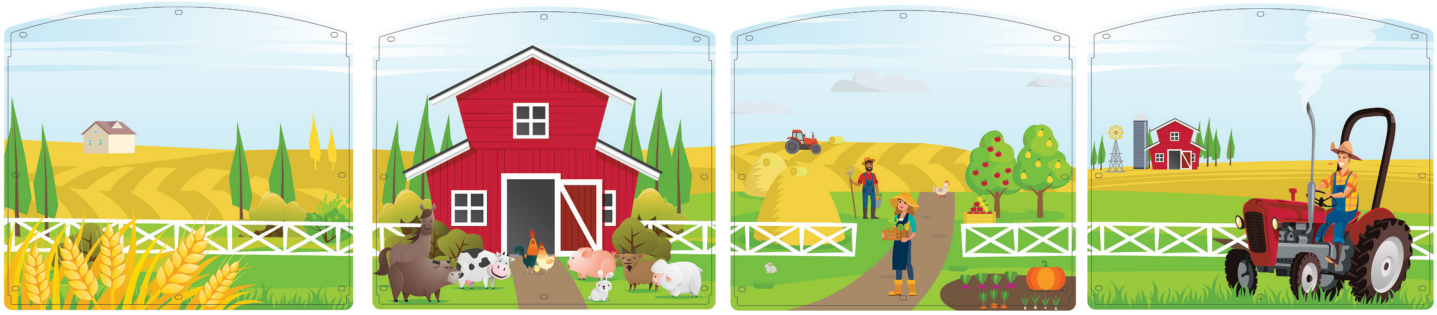
INTERIOR II

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

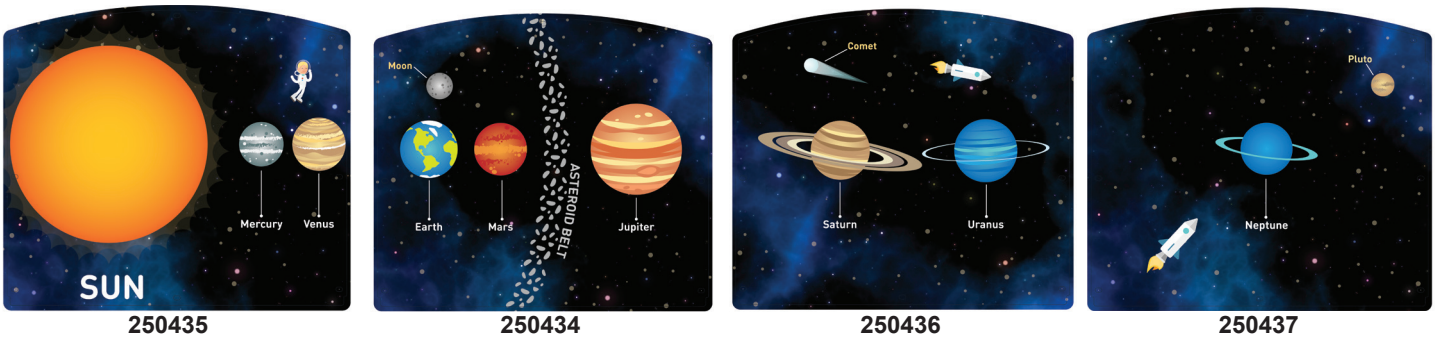
NOTE: Document shows quantities for 2 seat configuration. When assembling a 3 seat configuration refer to quantities in the bill of materials.



250426 250427 250428 250429



250430 250431 250432 250433



250435 250434 250436 250437

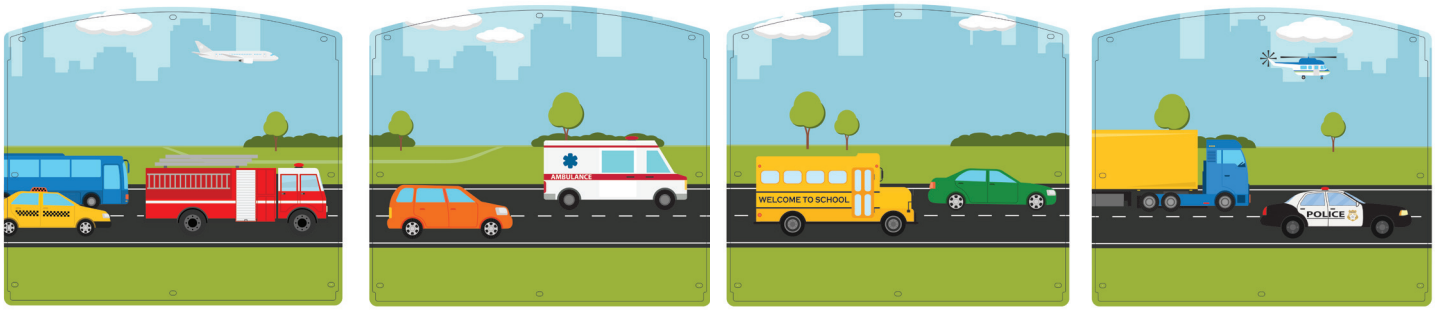


601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

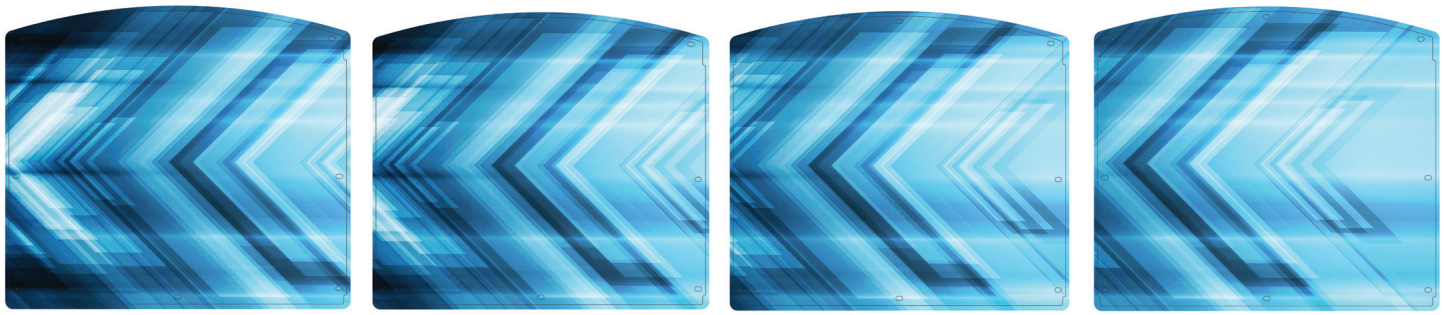
landscape structures®

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

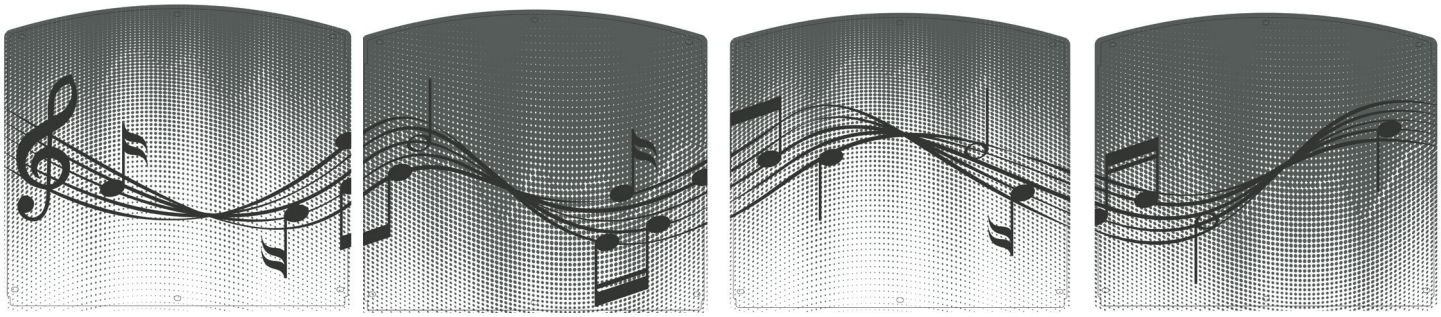
250438 250439 250440 250441



250446 250447 250449 250450



250442 250443 250444 250445



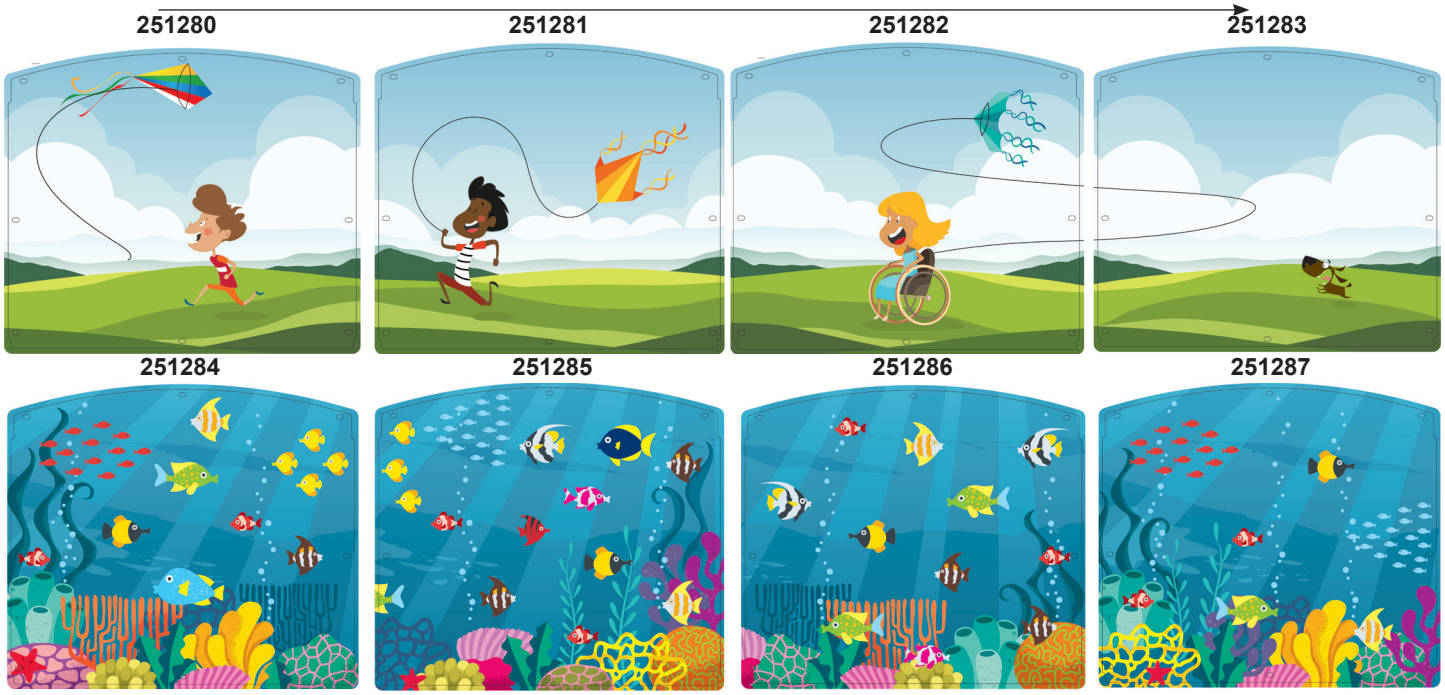
251276 251277 251278 251279



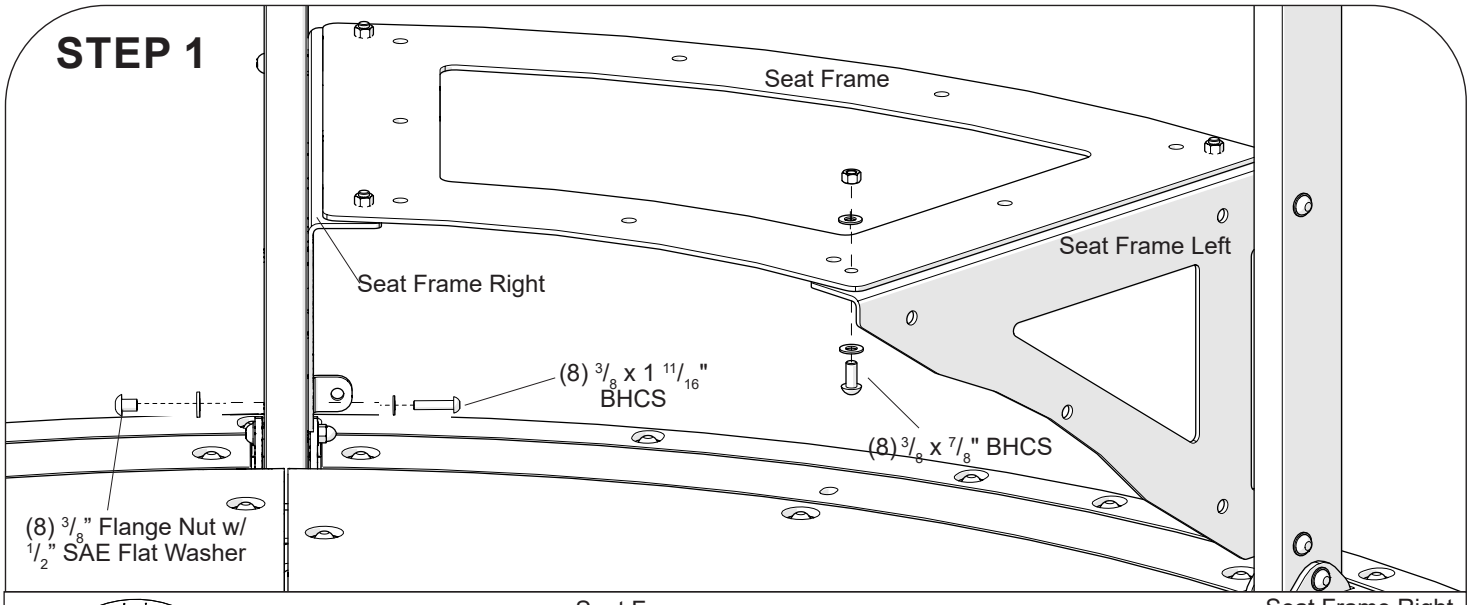
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

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)		

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

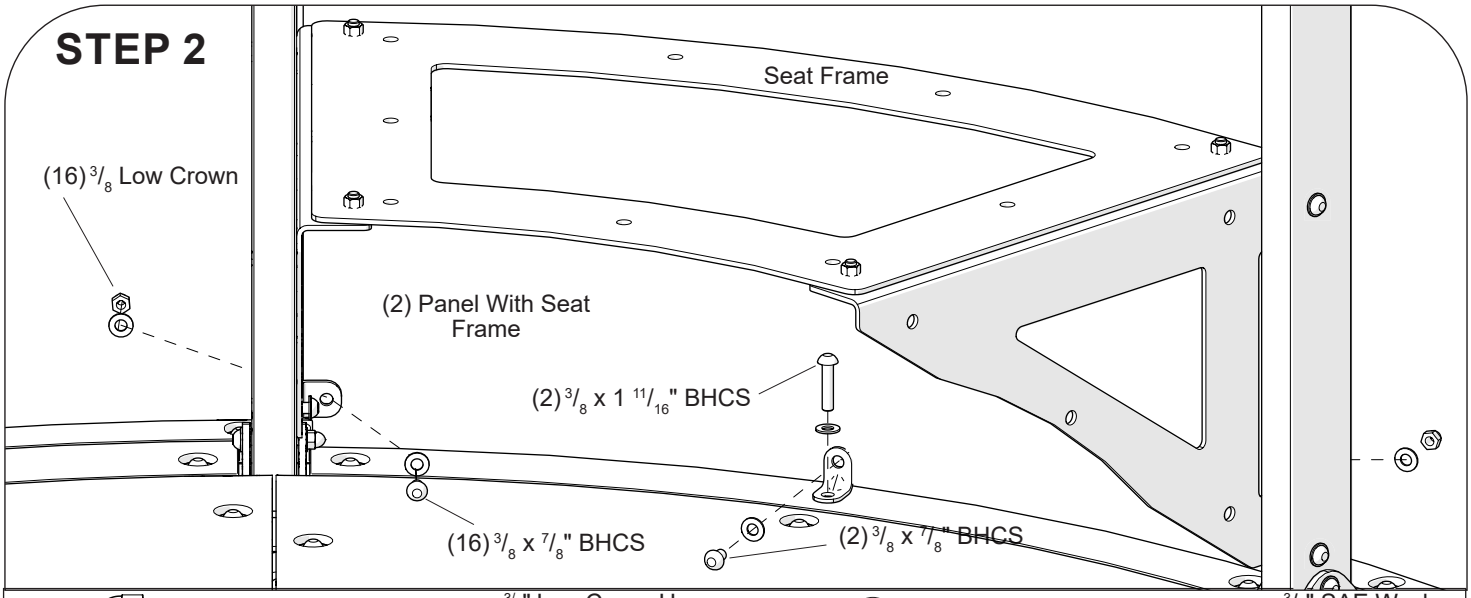
© 2023 by Landscape Structures. All rights reserved

Document #33197100

landscape structures®

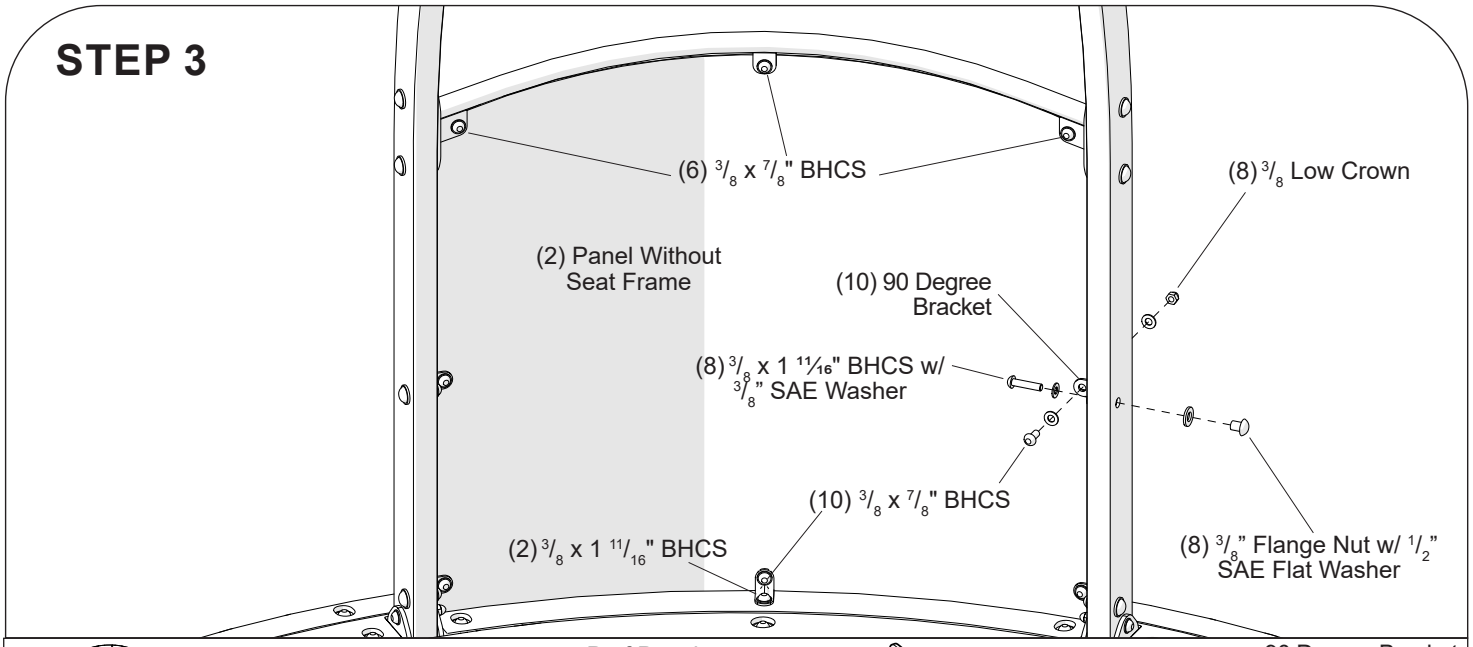
NOTE: Document shows quantities for 2 seat configuration. When assembling a 3 seat configuration refer to quantities in the bill of materials.

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



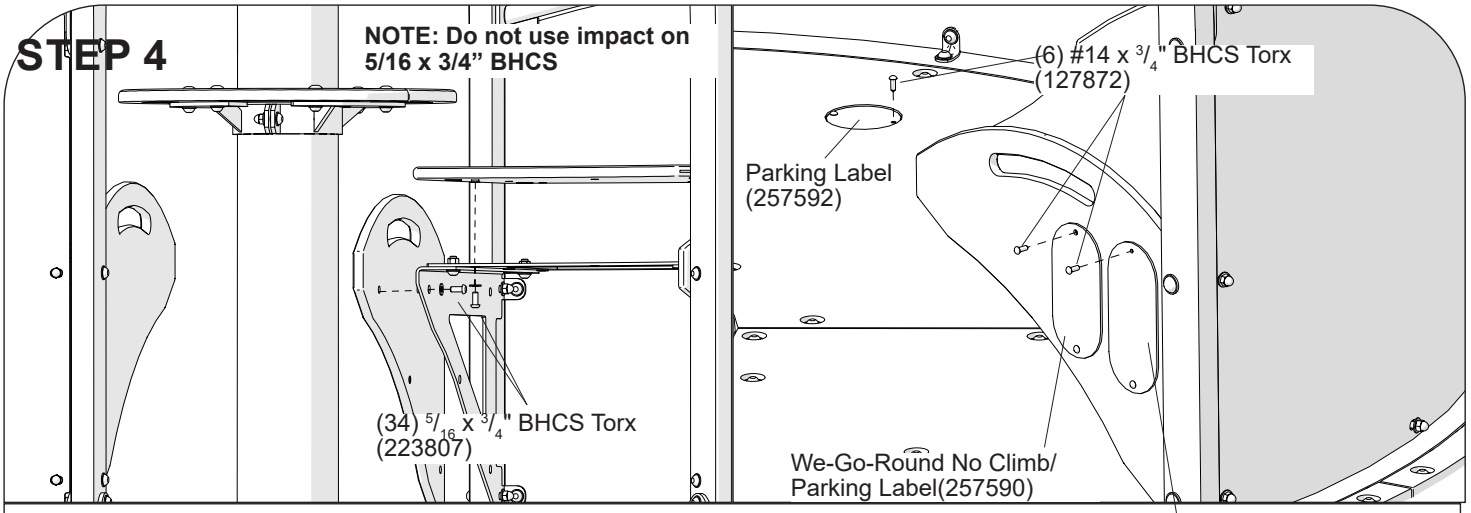
2x	Perf Panel (246428)	10x	90 Degree Bracket (147807)
16x	3/8" Low Crown Hex Nut (100349)	42x	3/8" SAE Washer (100365)
10x	3/8 x 1 11/16" BHCS (123224)	8x	3/8" Flange Nut (100353)
16x	3/8 x 7/8" BHCS (100196)	8x	1/2" SAE Flat Washer (113550)

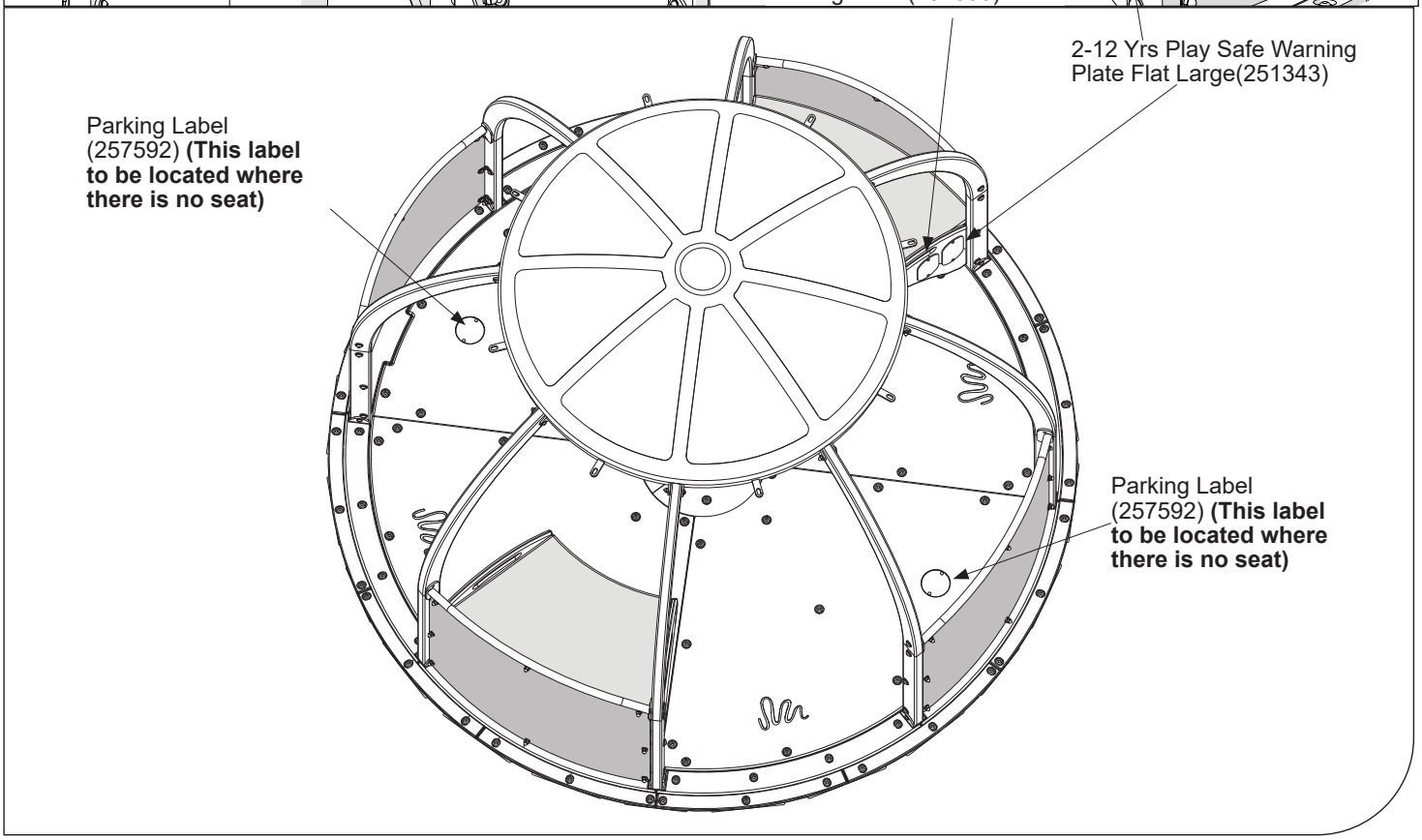
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2023 by Landscape Structures. All rights reserved

landscape structures®

STEP 4



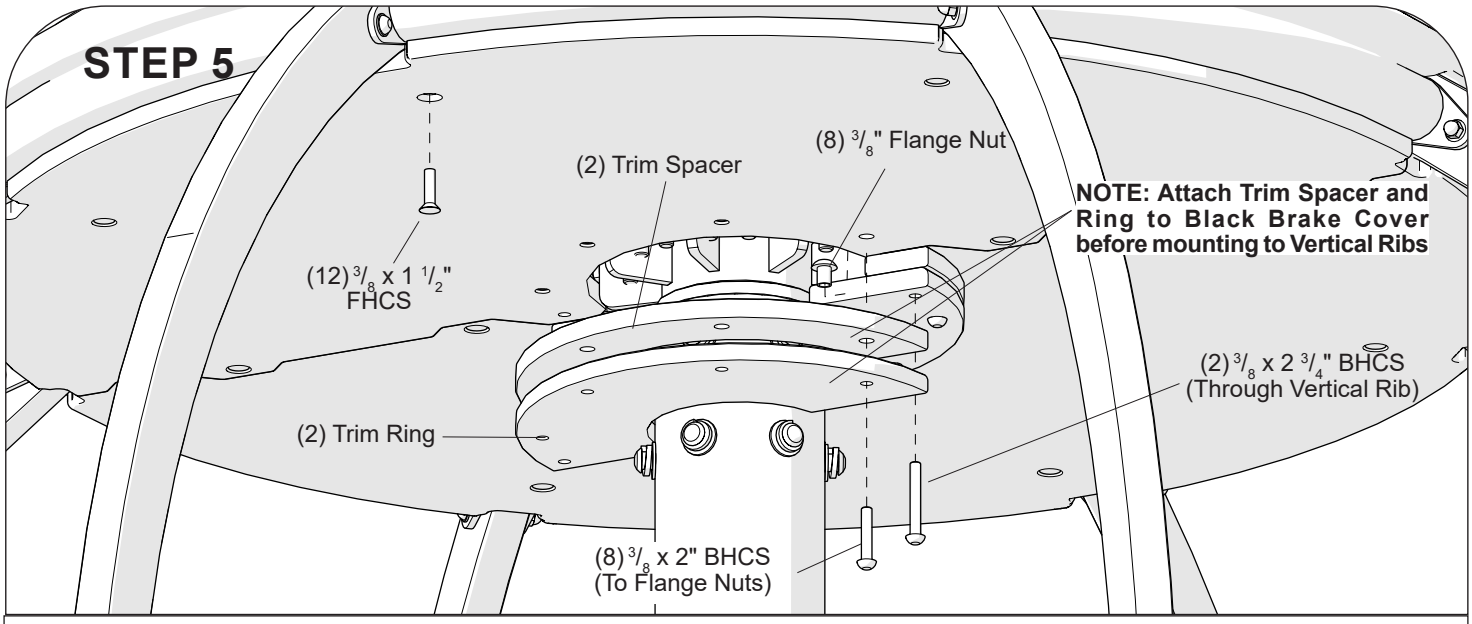


2x	Seat Top (246425)	2x	Seat Panel Right (246427)
2x	Seat Panel Left (246426)	34x	5/16 x 3/4" BHCS Torx (223807)
34x	5/16" SAE Flat Washer (223956)	6x	#14 x 3/4" BHCS Torx (127872)
1x	Parking Label (257592)	1x	2-12 Yrs Play Safe Warning Plate Flat Large (251343)
1x	Warning No Climb/Parking Label (257590)		

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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

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)		

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
© 2023 by Landscape Structures. All rights reserved
Document #33197100

landscape structures®

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

DB = Direct Bury

landscape structures®

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

DB = Direct Bury

landscape structures®

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

landscape structures®

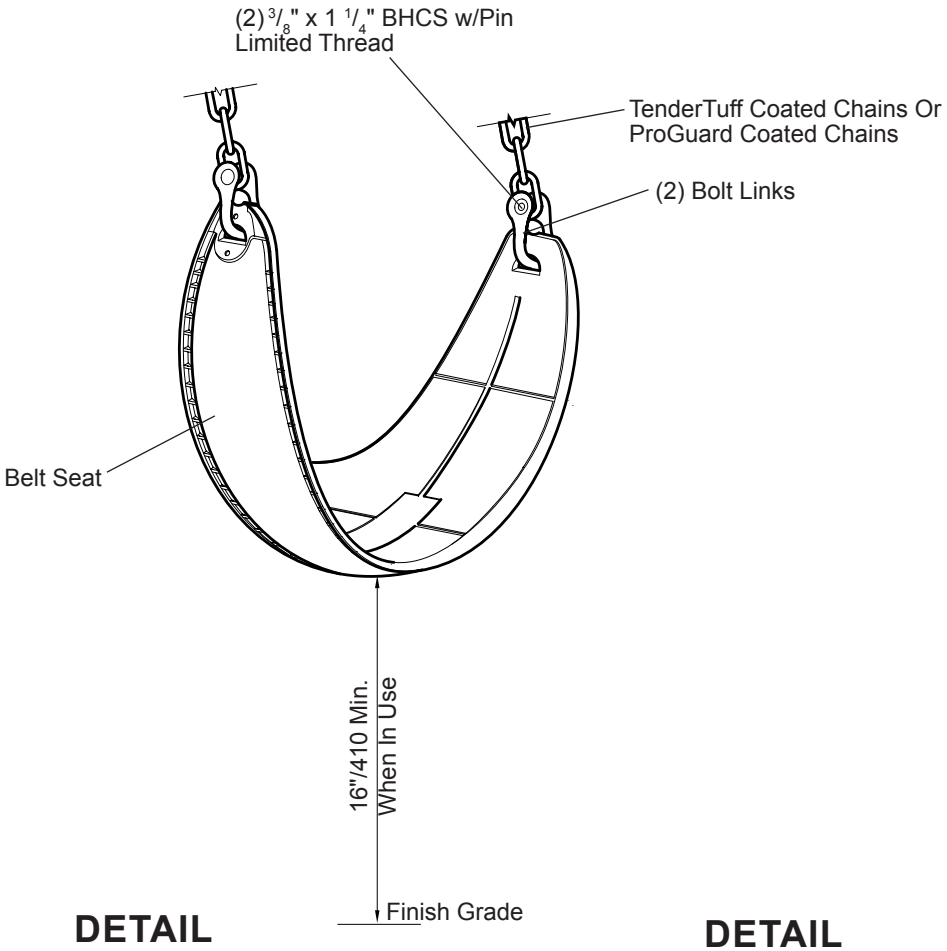
ISO 14001 CERTIFIED

ISO 9001 Certified

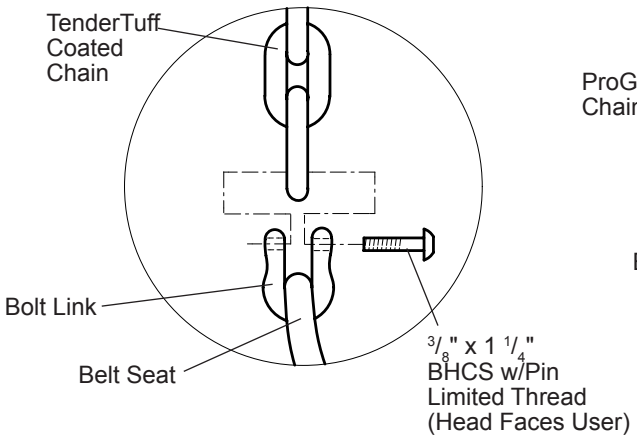
SAFETY NOTE

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*.)

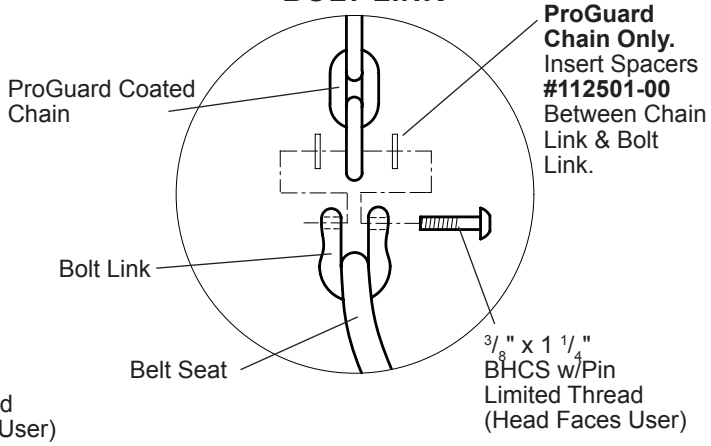
17745700



DETAIL
BOLT LINK



DETAIL
BOLT LINK



Swings

174018 Belt 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

© 2015 by Landscape Structures. All rights reserved.

Document #21059100

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

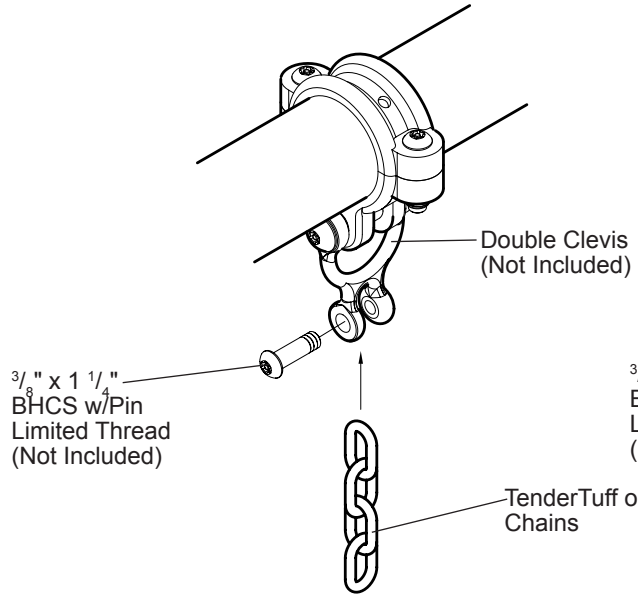
ISO 9001 Certified

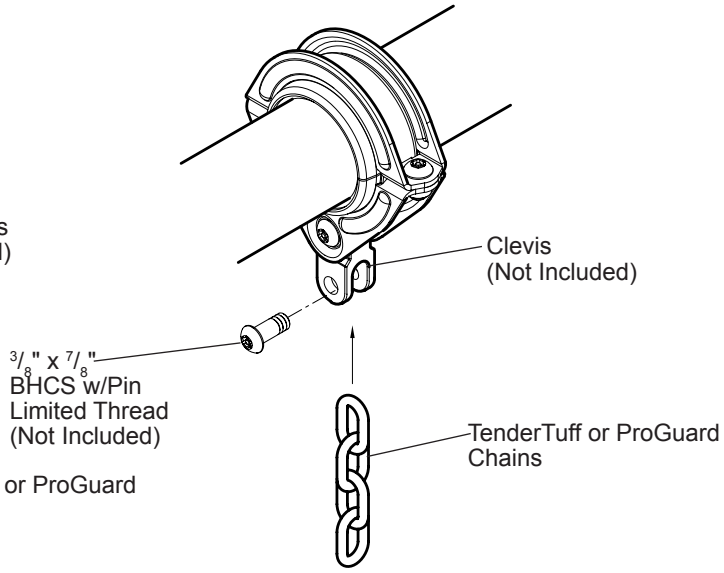
SAFETY NOTE

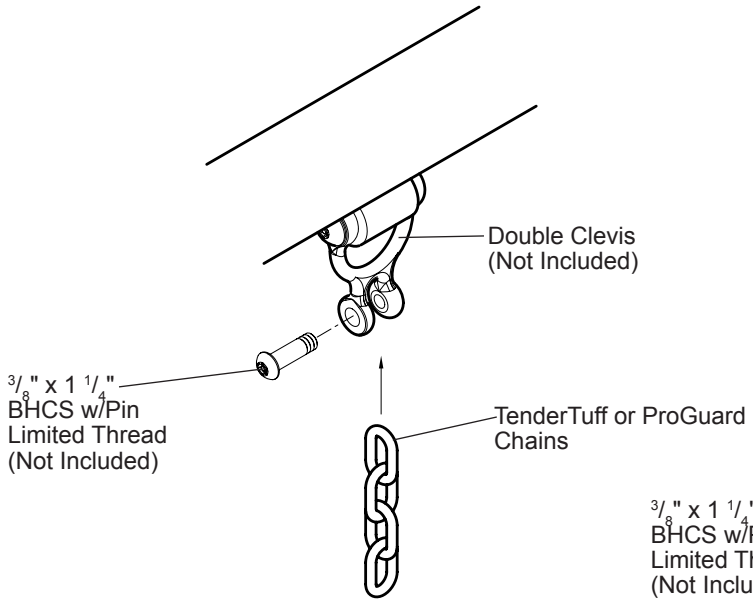
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

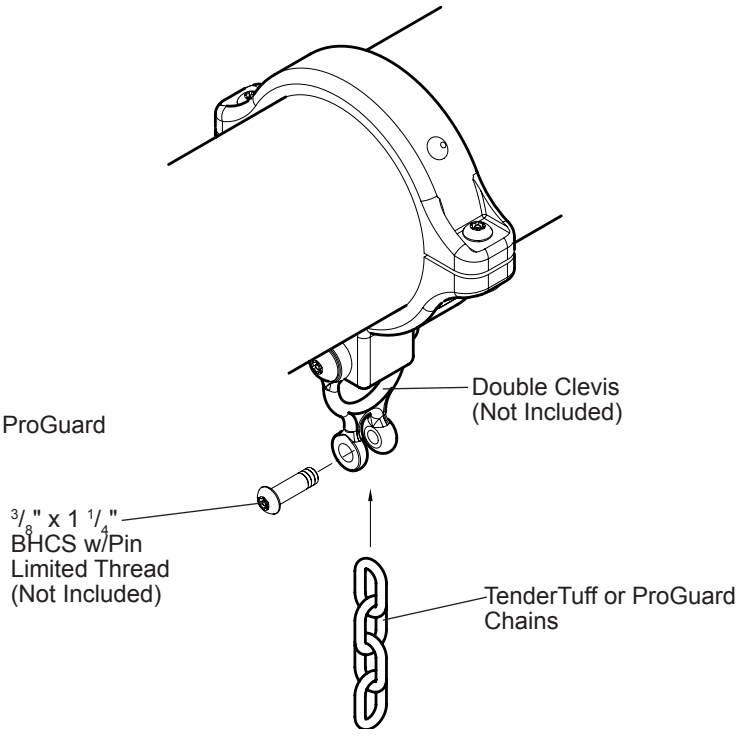
177460b

SWING HANGER OPTIONS









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

© 2015 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

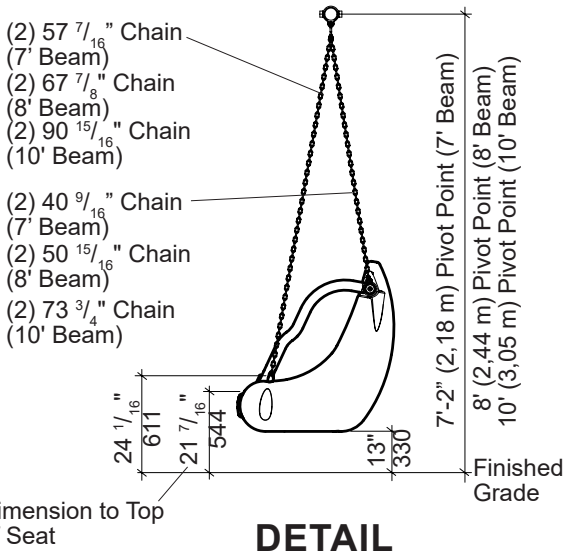
ISO 9001 Certified

SAFETY NOTE

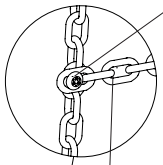
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

225544

ELEVATION

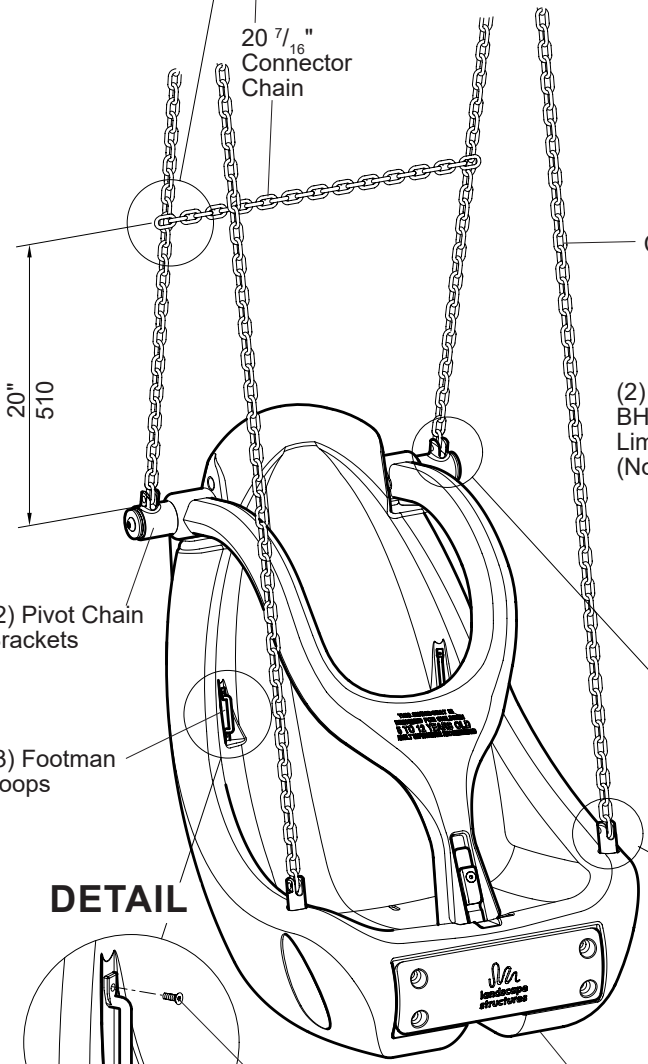


DETAIL

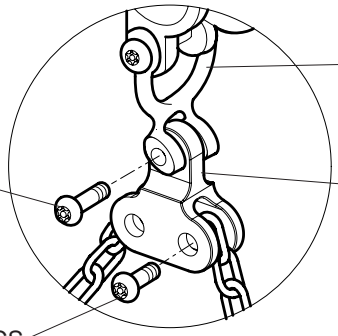


(ProGuard Chain)
(2) 3/8" x 7/8" BHCS w/Pin & 3/8" Hex Jam Nuts

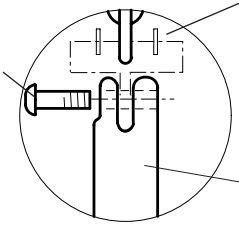
(TenderTuff Chain)
(2) 3/8" x 1 1/8" BHCS w/Pin & 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers



DETAIL
HANGER ASSEMBLY



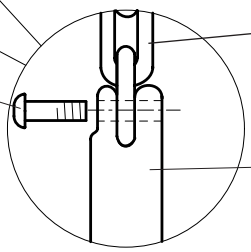
DETAIL
BRACKET



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

© 2019 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

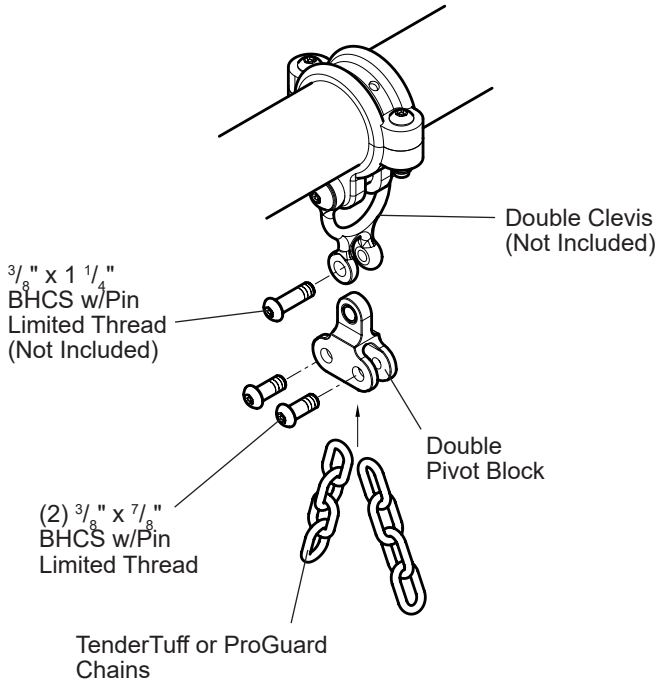
ISO 9001 Certified

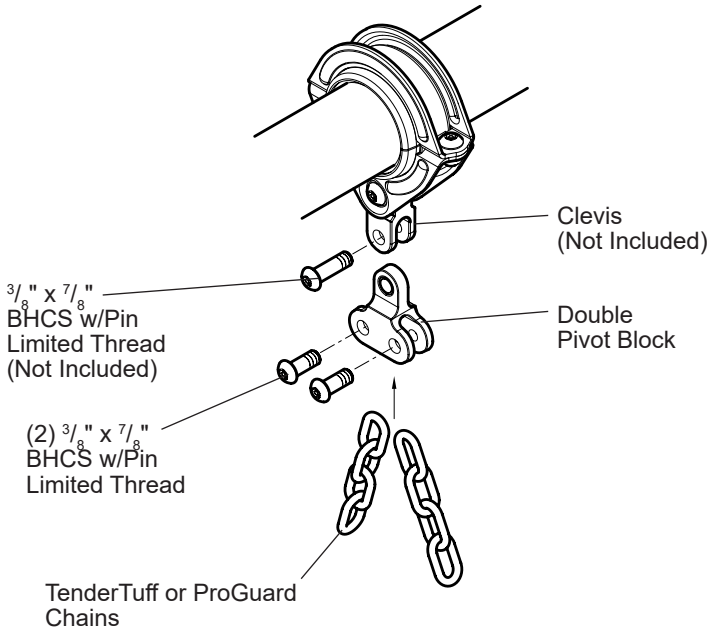
SAFETY NOTE

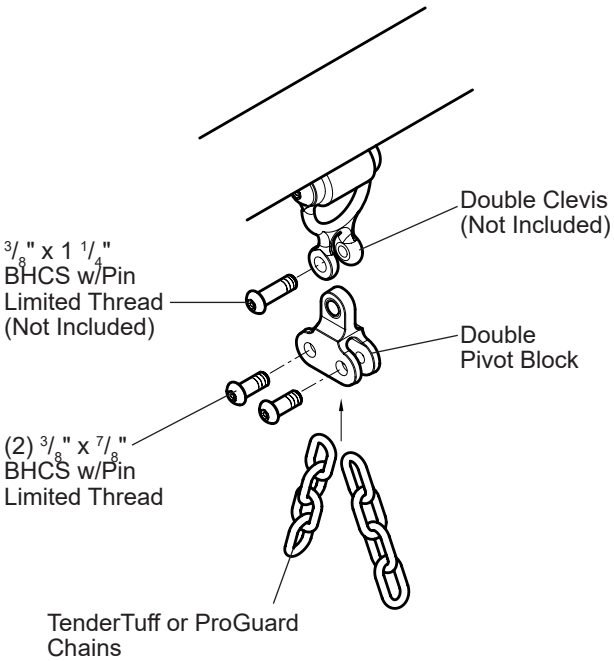
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

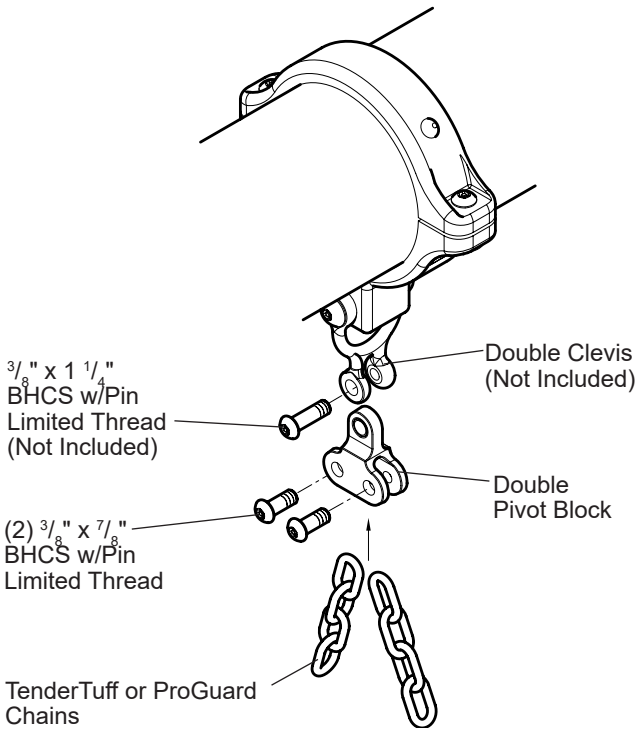
177462a

SWING HANGER OPTIONS









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

© 2019 by Landscape Structures. All rights reserved.

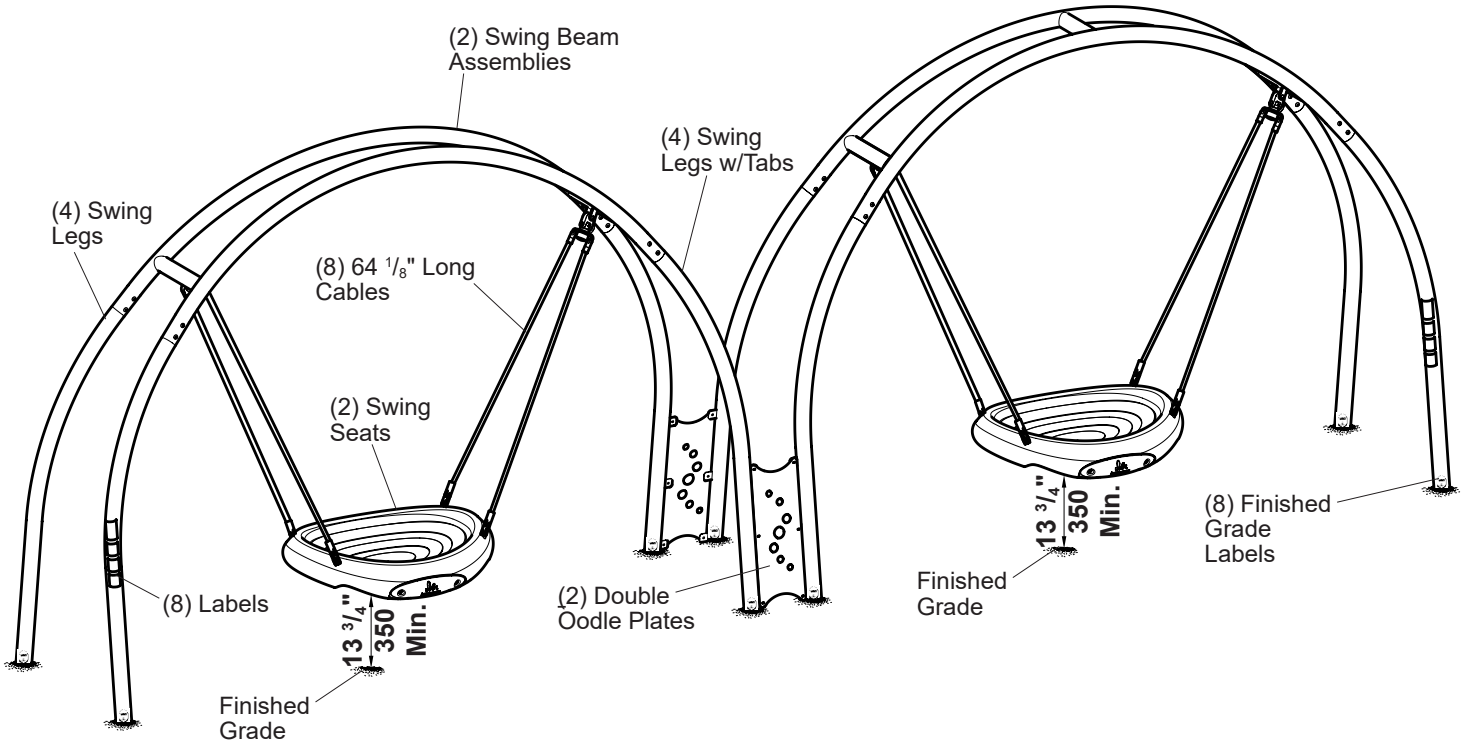
landscape structures®

ISO 14001 CERTIFIED

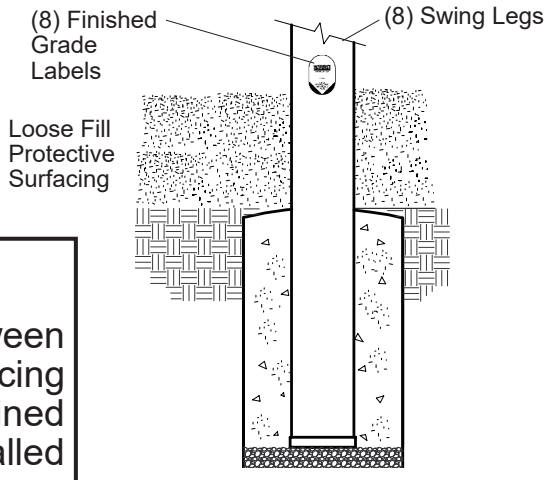
ISO 9001 Certified

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
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

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

© 2024 By Landscape Structures. All rights reserved.

Document #34320200

landscape structures®

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.)

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

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

© 2024 By Landscape Structures. All rights reserved.

Document #34320200

landscape structures®

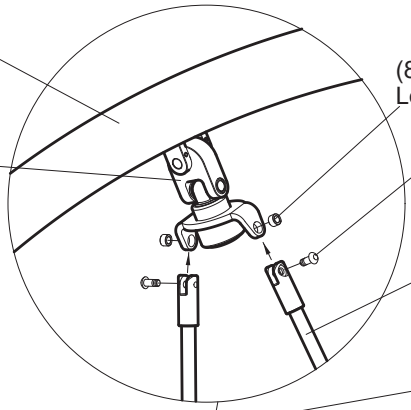
ISO 14001 CERTIFIED

ISO 9001 Certified

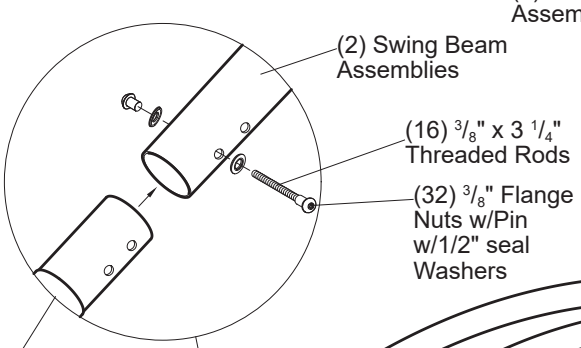
SAFETY NOTE

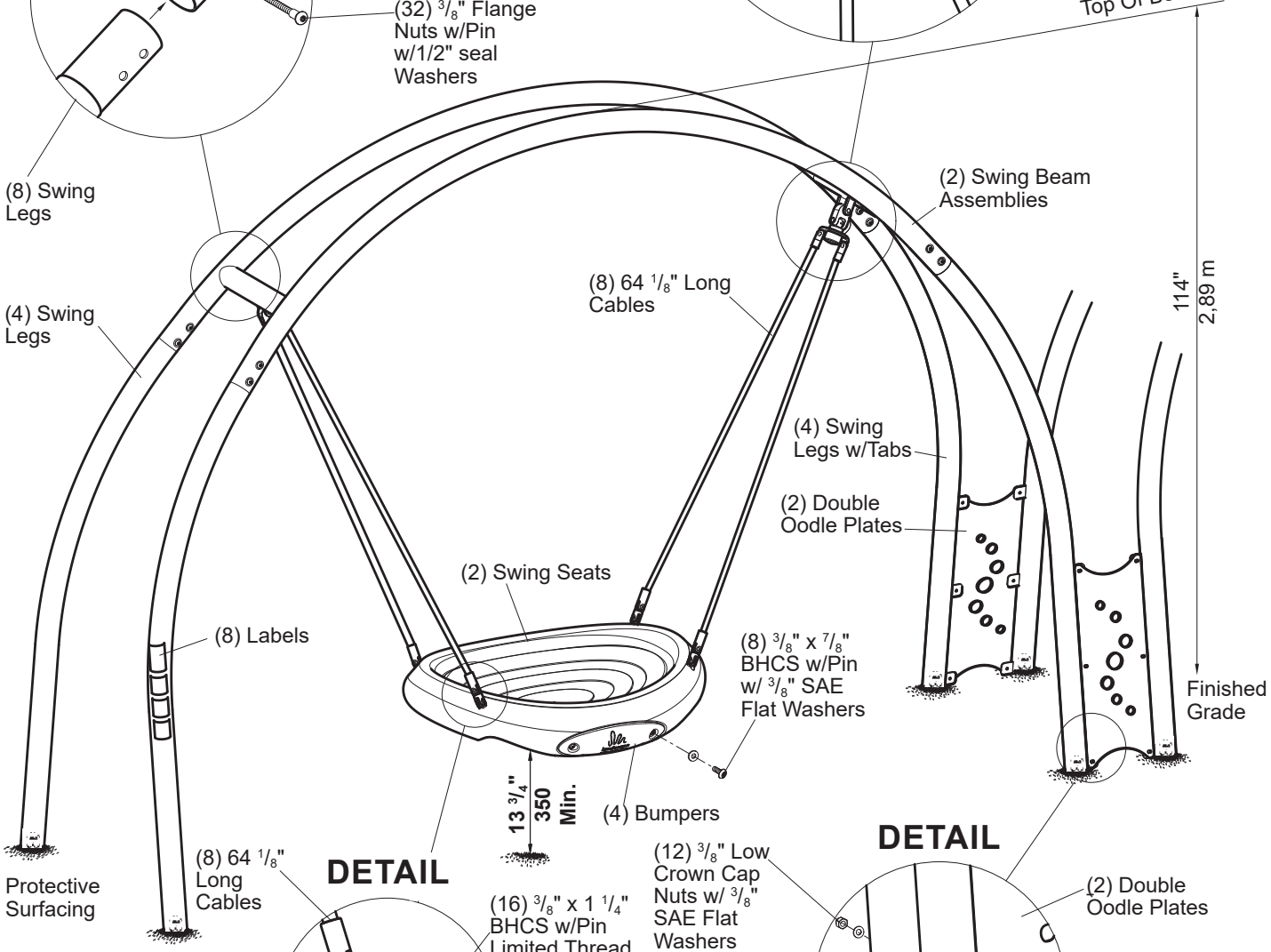
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

DETAIL
CABLE ATTACMENT

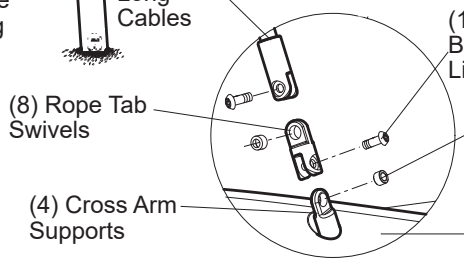


DETAIL
SWING LEG ATTACHMENT

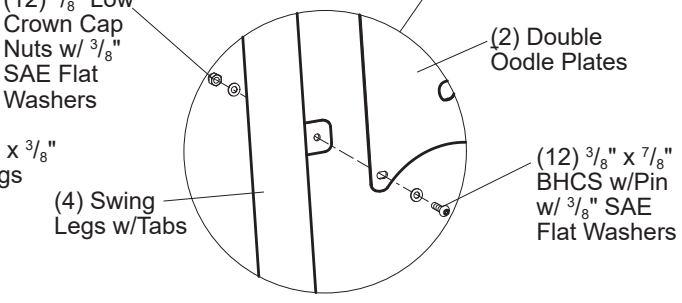




DETAIL



DETAIL



Swings

210117 Oodle® Swing, Double

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

© 2024 By Landscape Structures. All rights reserved.

Document #34320200

landscape structures®

ISO 14001 CERTIFIED

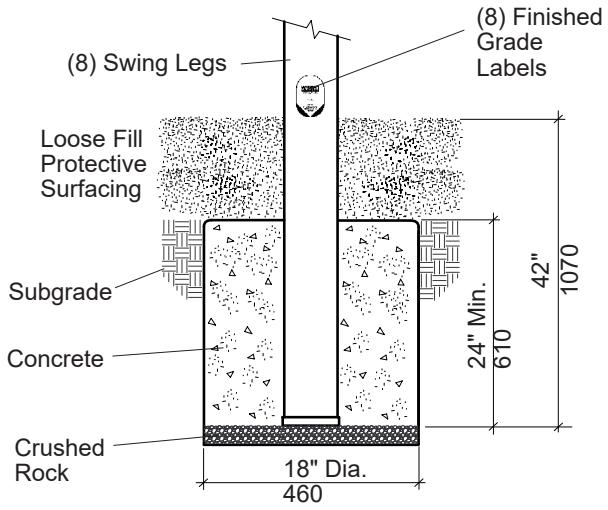
ISO 9001 Certified

SAFETY NOTE

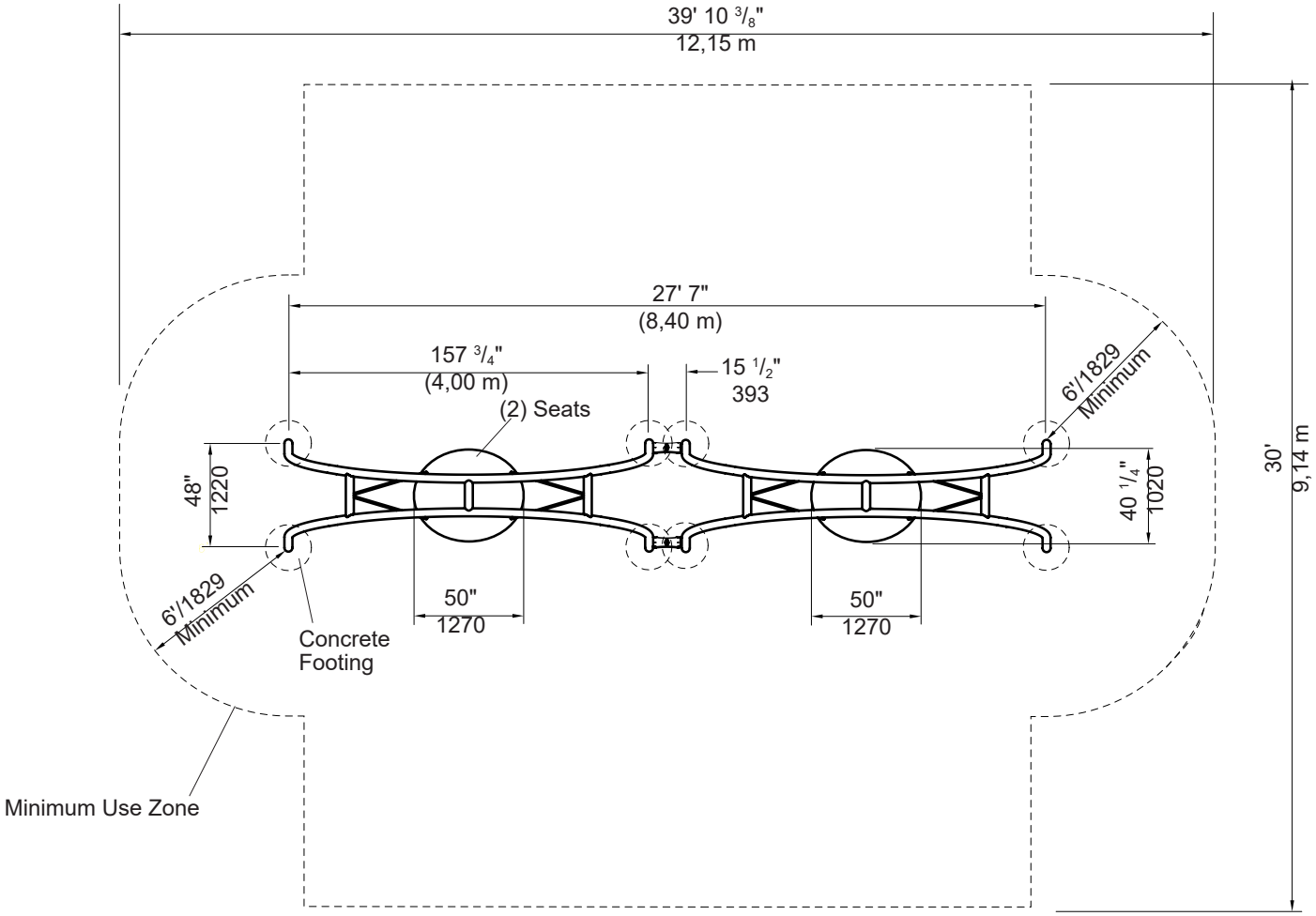
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

210123a

DETAIL
DIRECT BURY



PLAN VIEW/FOOTING LAYOUT



Swings

210117 Oodle® Swing, Double

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

© 2024 By Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

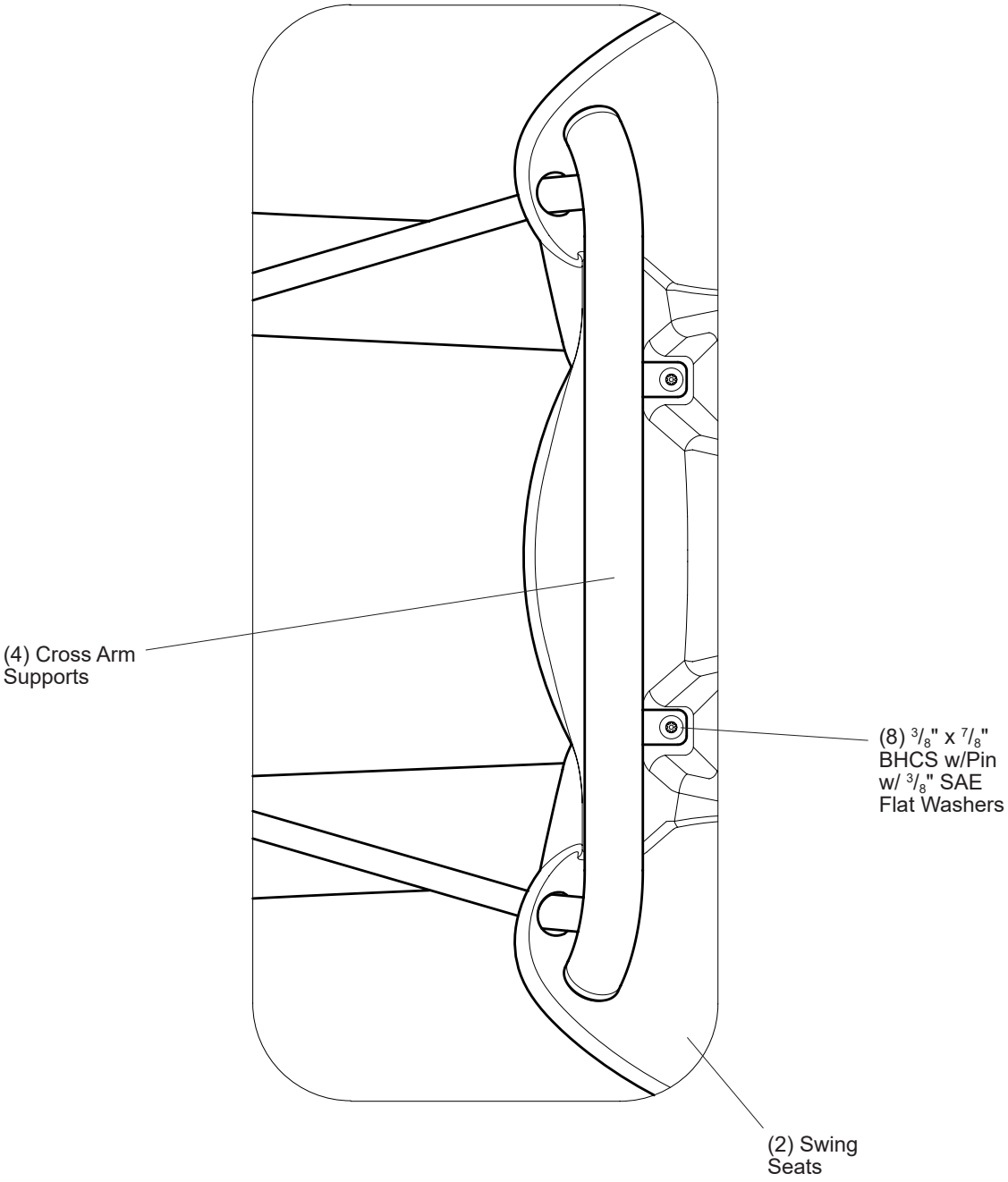
SAFETY NOTE

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.)

193977b

DETAIL
SWING SEAT ATTACHMENT

Bottom View



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

© 2024 By Landscape Structures. All rights reserved.

Document #34320200

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.

landscape structures®

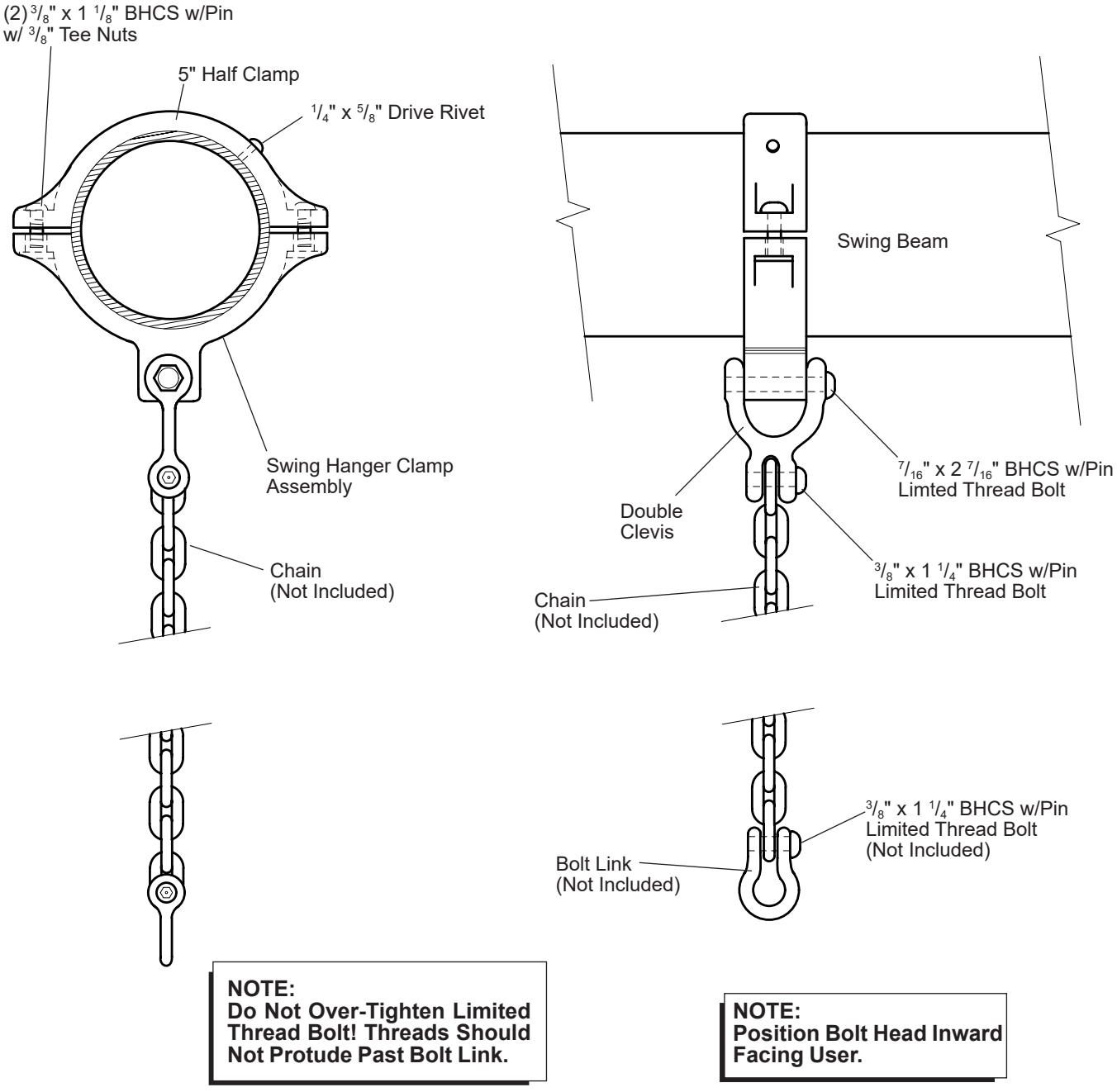
ISO 14001 CERTIFIED

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.)

13616300



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

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

© 2012 by Landscape Structures. All rights reserved.

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.

landscape structures®

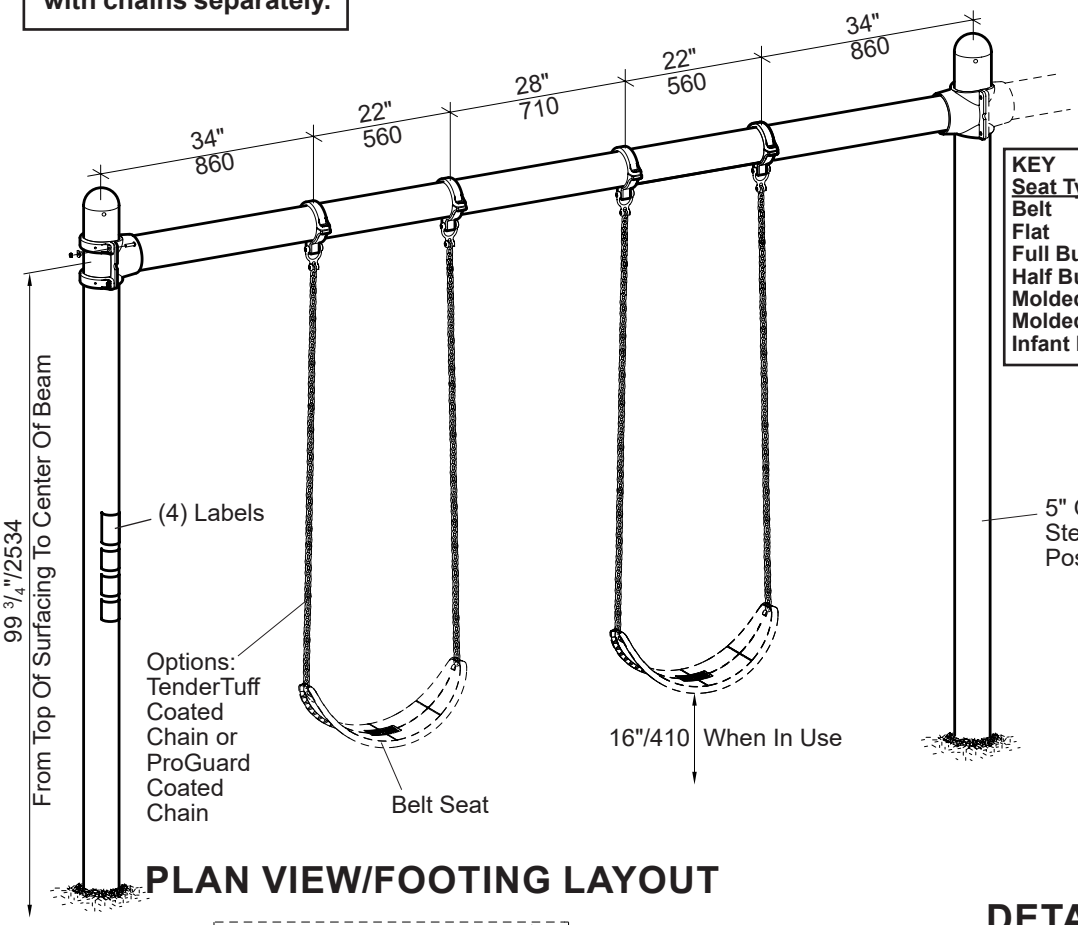
ISO 14001 CERTIFIED

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.)

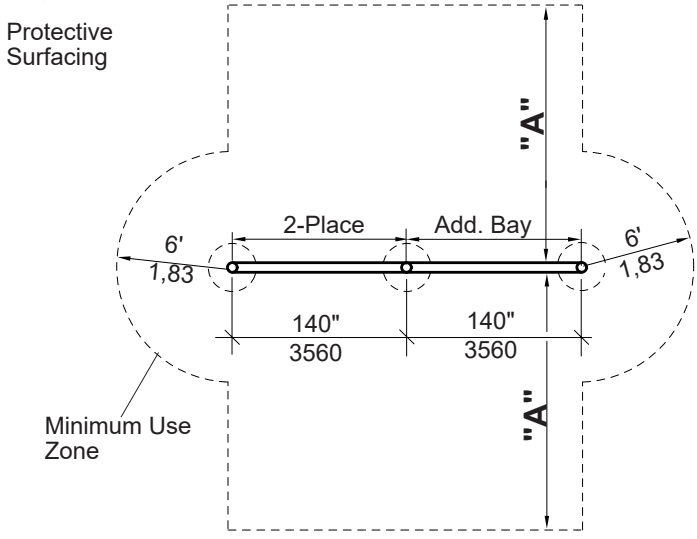
NOTE: Model numbers are for swing frames only, order swing seats with chains separately.



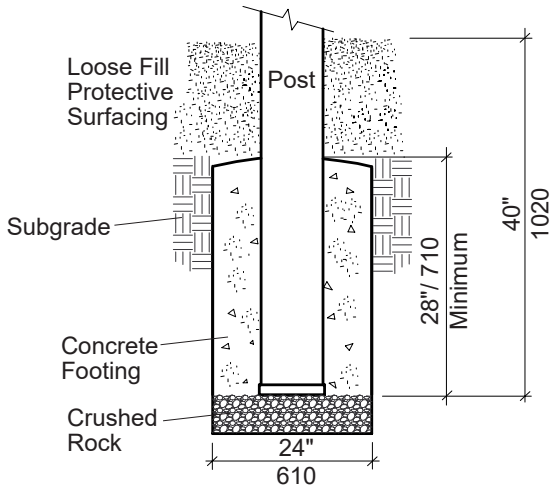
KEY

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

© 2021 by Landscape Structures. All rights reserved.

Document #30164000

Swings 177332/177333 Single Post Swing Frame

landscape structures®

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.

landscape structures®

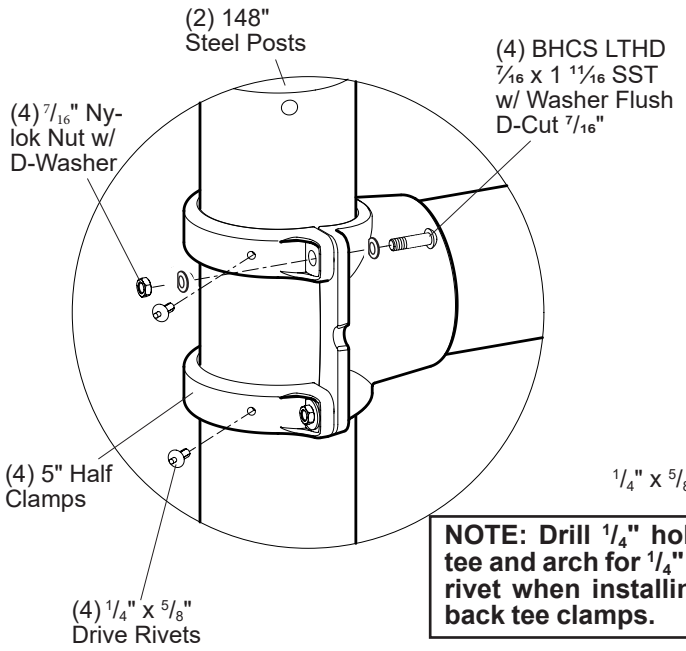
ISO 14001 CERTIFIED

ISO 9001 Certified

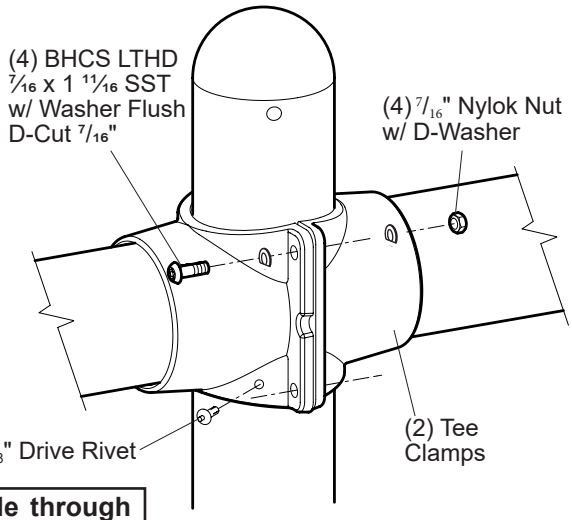
SAFETY NOTE

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
BEAM ATTACHMENT



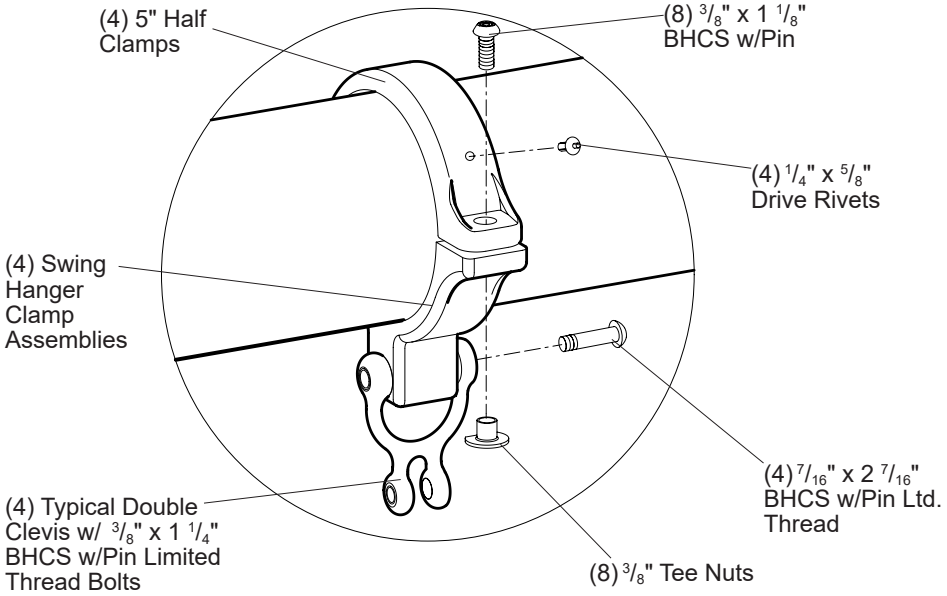
DETAIL
BACK TO BACK TEE CLAMPS



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**

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

© 2021 by Landscape Structures. All rights reserved.

Document #30164000

landscape structures®

ISO 14001 CERTIFIED

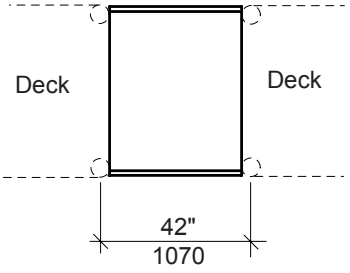
ISO 9001 Certified

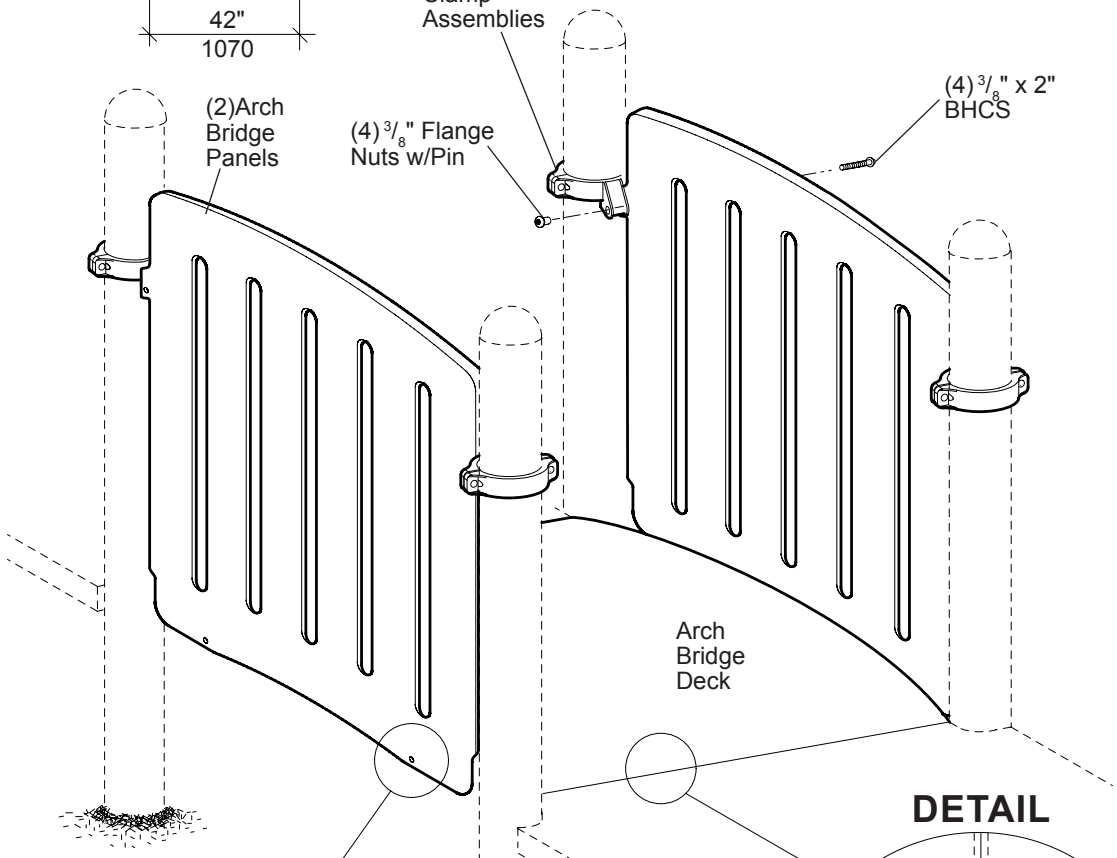
SAFETY NOTE

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.)

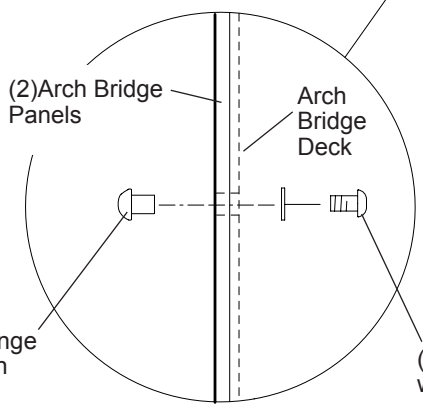
19953600

PLAN VIEW/ FOOTING LAYOUT

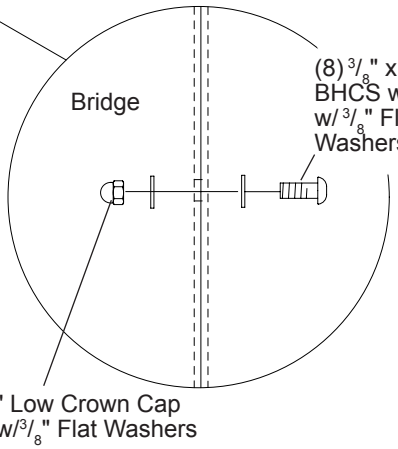




DETAIL



DETAIL



PlayBooster® 114665 Arch Bridge, 42"

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

© 2014 by Landscape Structures. All rights reserved.

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.

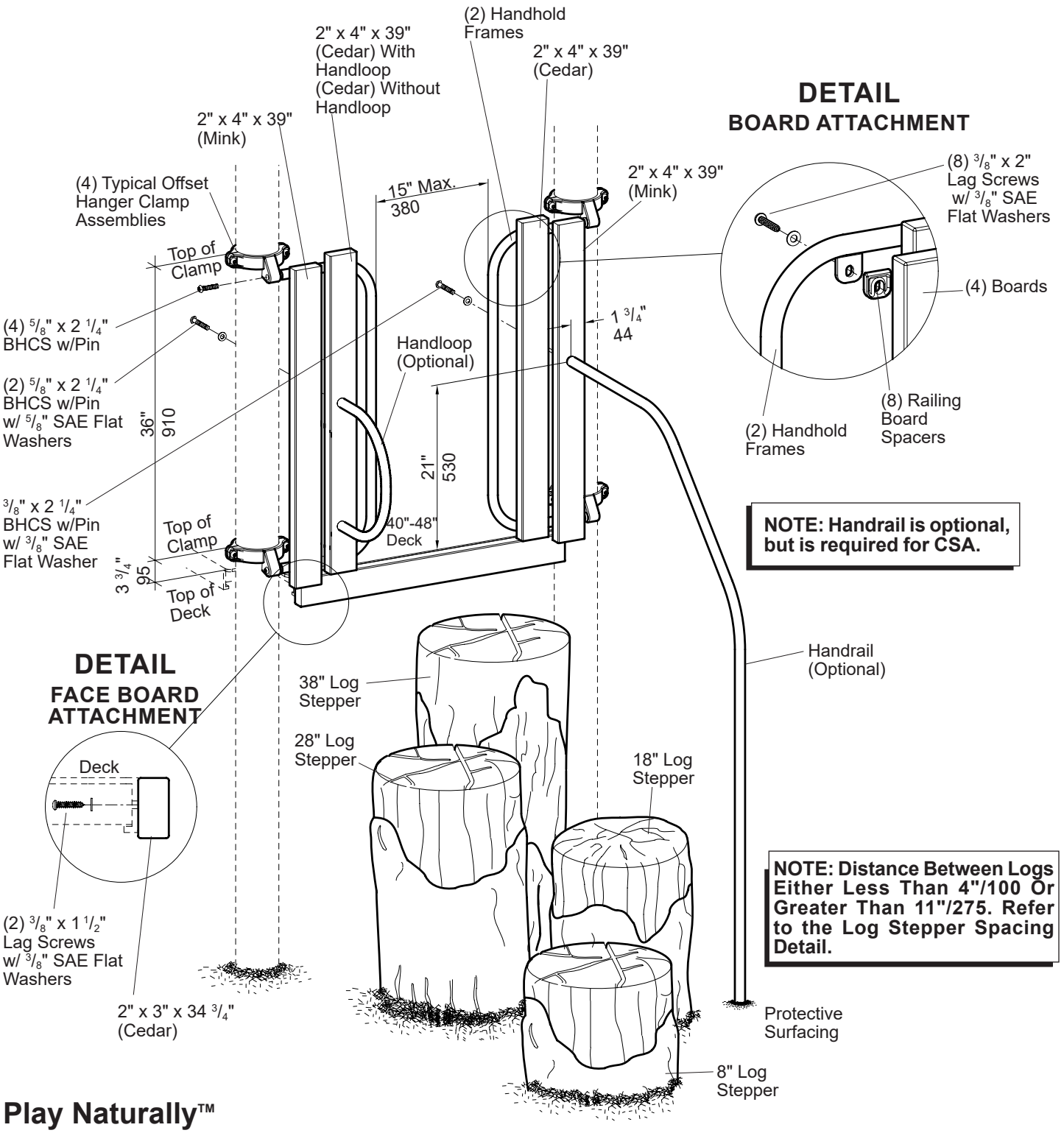
landscape structures®

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.)



Play Naturally™

PlayBooster®

169320 Log Steppers, 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

© 2021 by Landscape Structures. All rights reserved.

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.

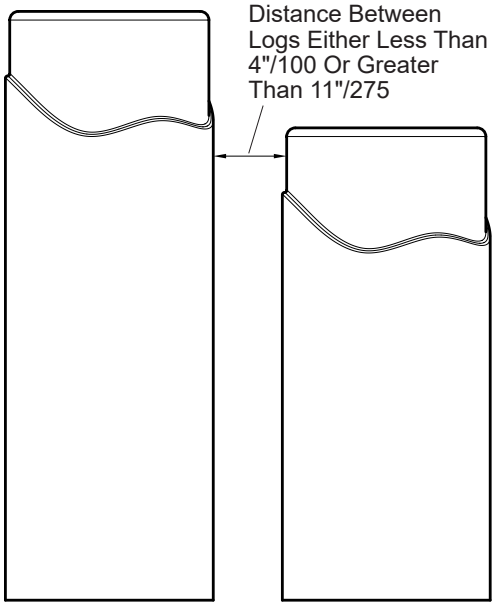
landscape structures®

SAFETY NOTE

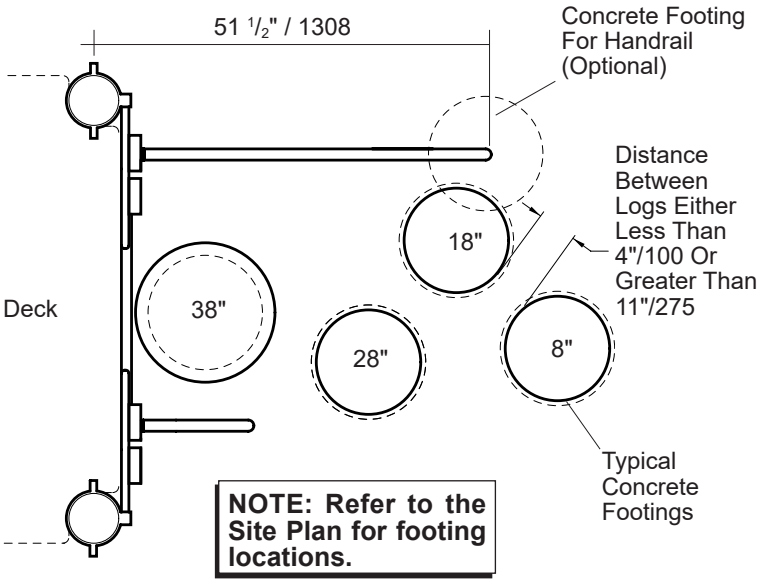
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

20069500

DETAIL
LOG STEPPER SPACING

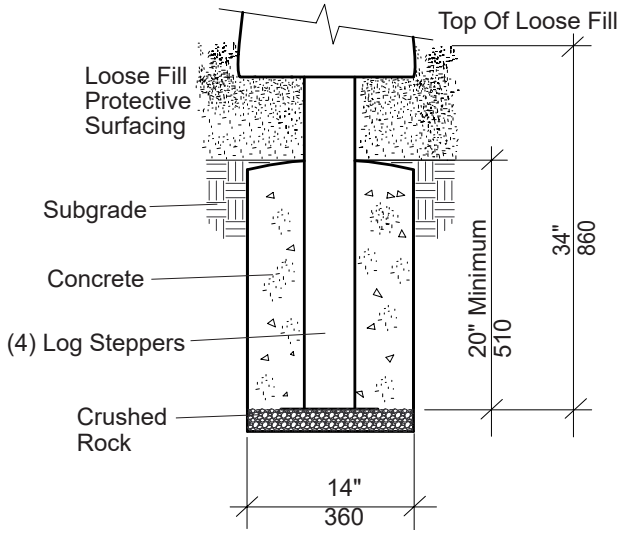


PLAN VIEW/FOOTING LAYOUT

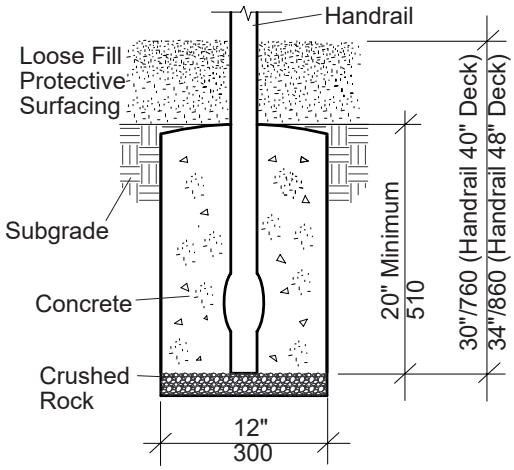


NOTE: Refer to the Site Plan for footing locations.

DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



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

© 2021 by Landscape Structures. All rights reserved.

landscape structures®

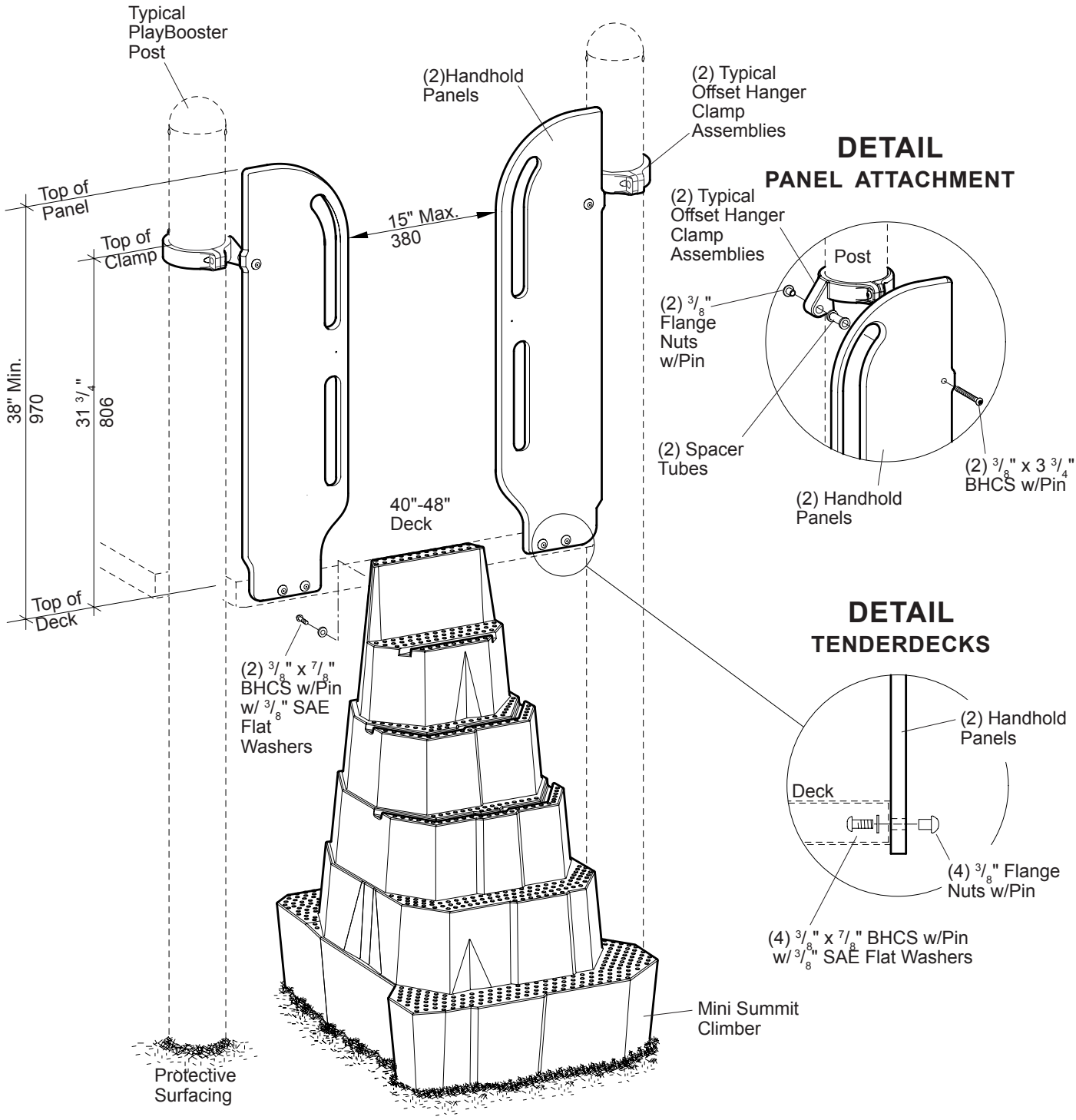
ISO 14001 CERTIFIED

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.)

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

© 2005 by Landscape Structures All rights reserved.

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

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

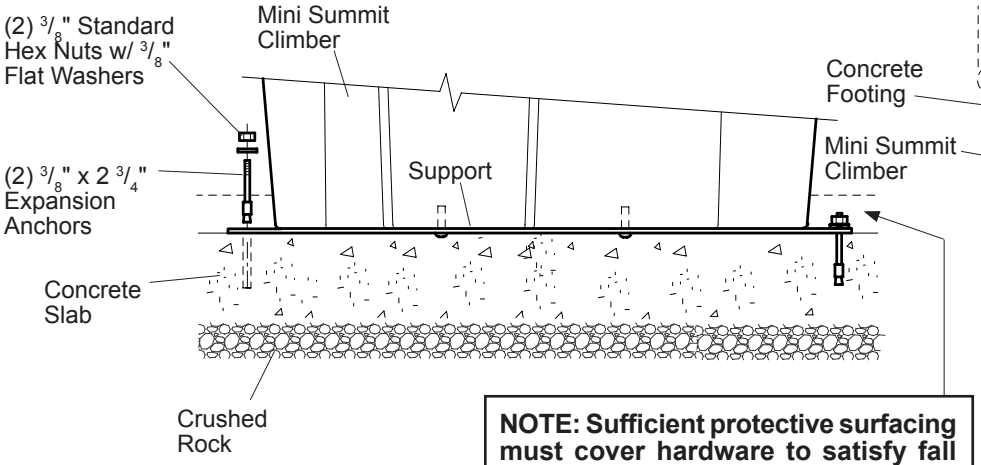
ISO 9001 Certified

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.)

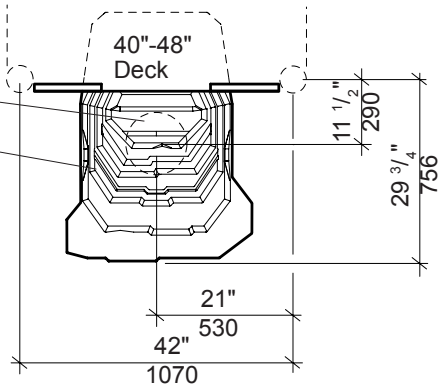
153078a0

DETAIL
SURFACE MOUNT

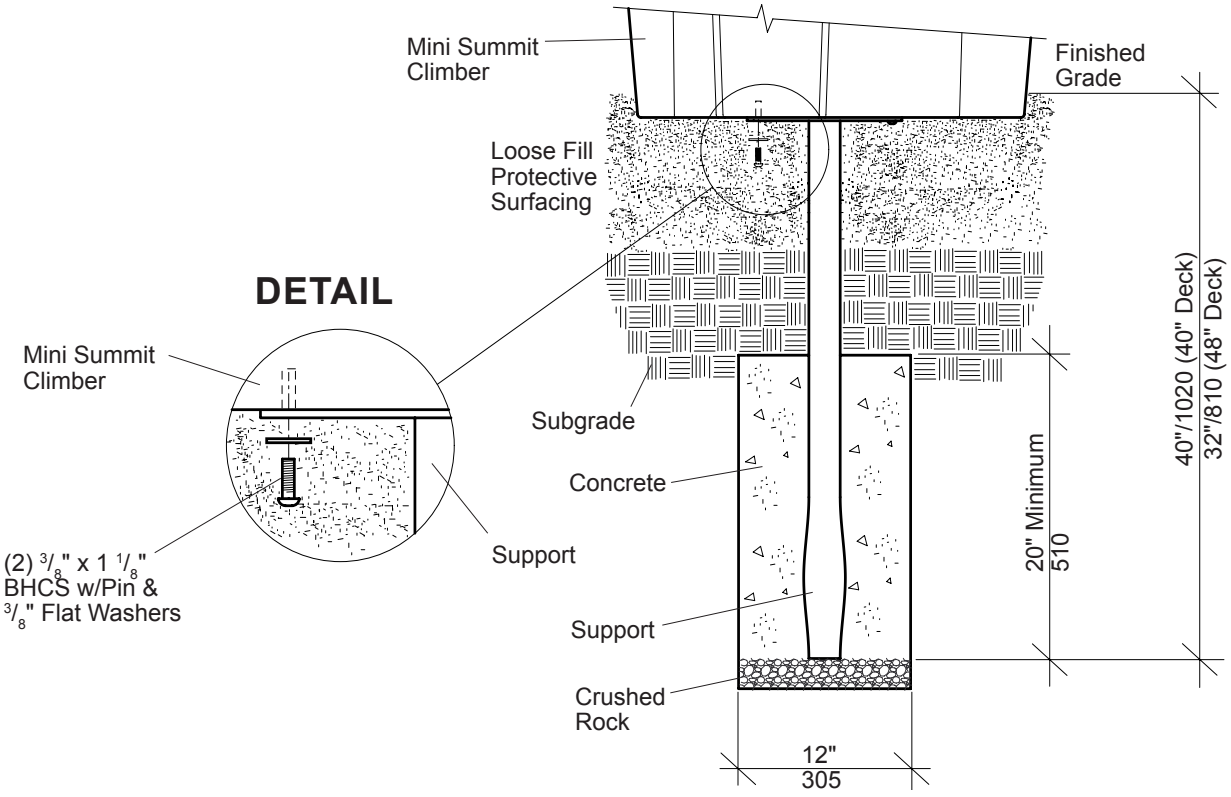


NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.

PLAN VIEW



DETAIL
DIRECT BURY



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

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

© 2005 by Landscape Structures All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

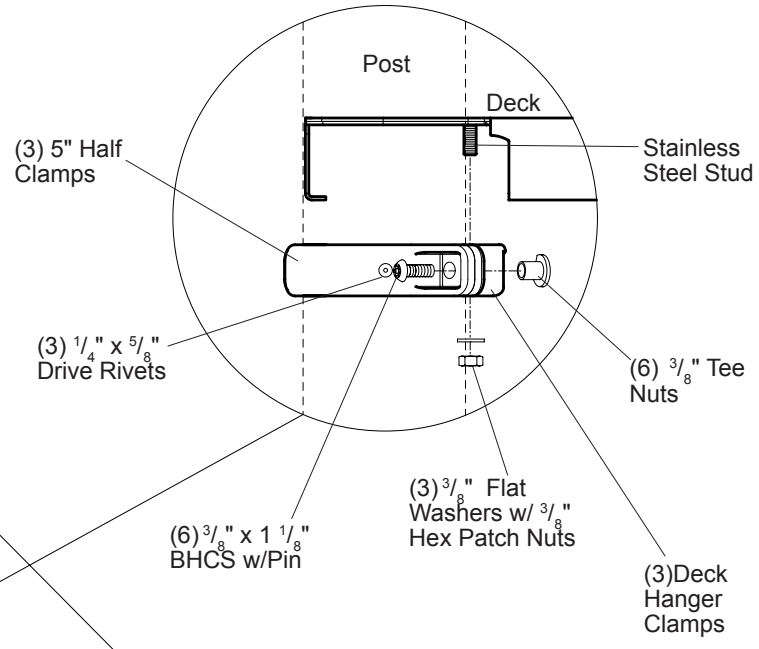
ISO 9001 Certified

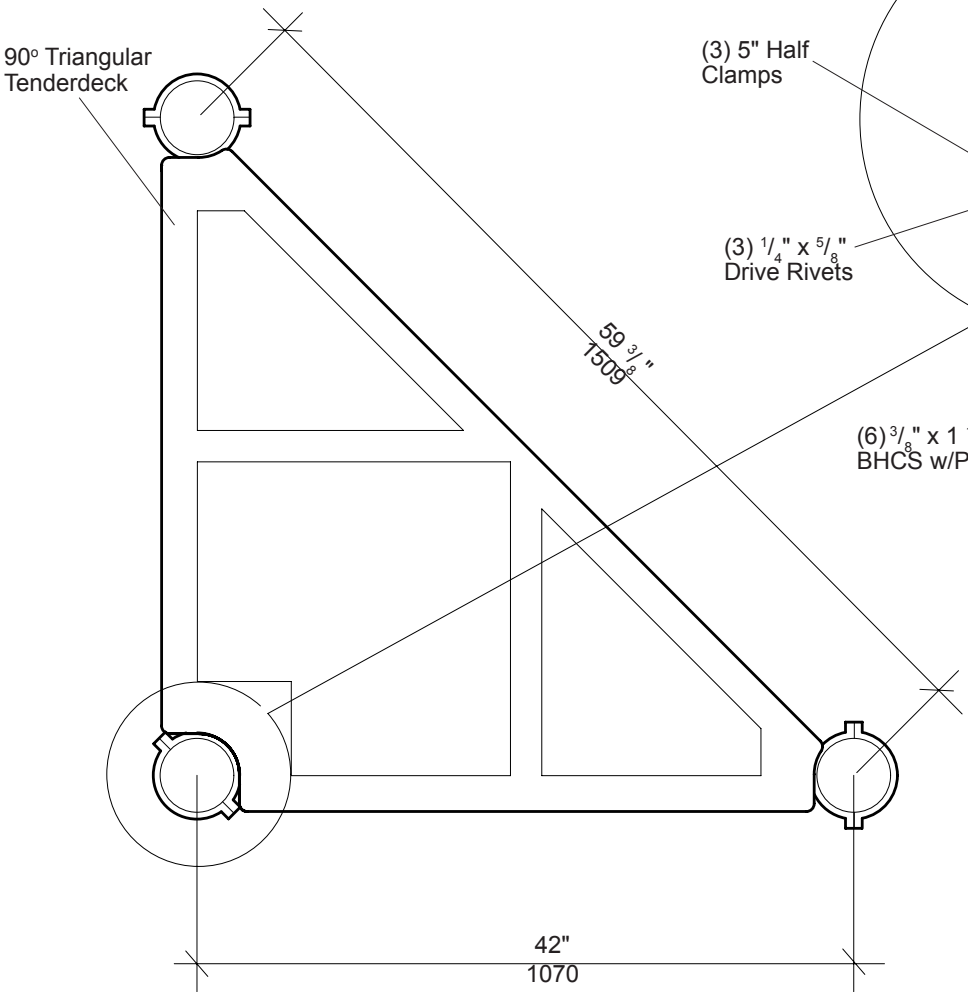
SAFETY NOTE

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.)

14582500

DETAIL
DECK HANGER CLAMP





PlayBooster®

122197 90° 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

© 2004 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

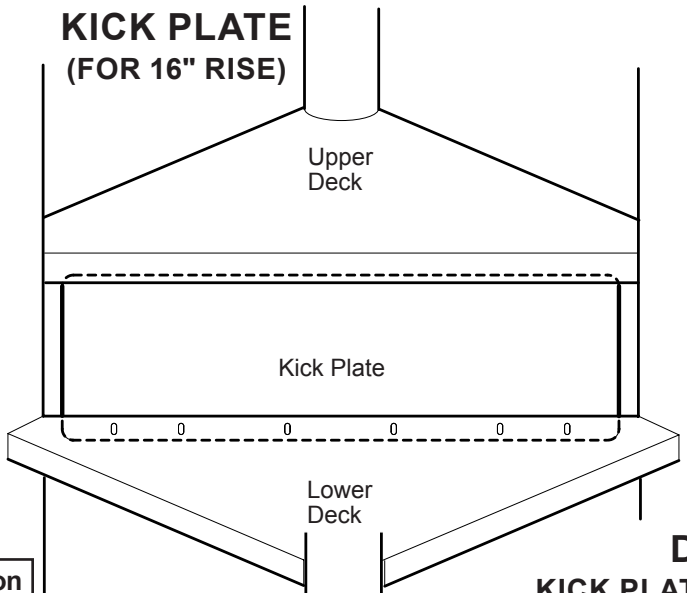
ISO 9001 Certified

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.)

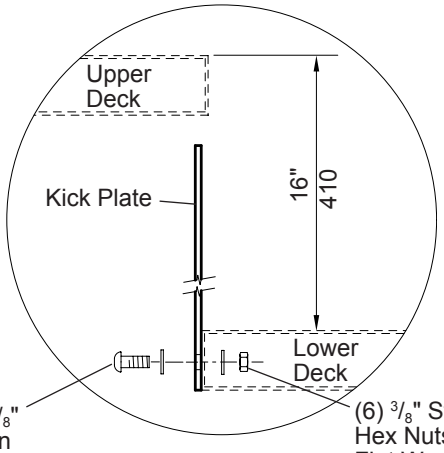
18161700

KICK PLATE (FOR 16" RISE)

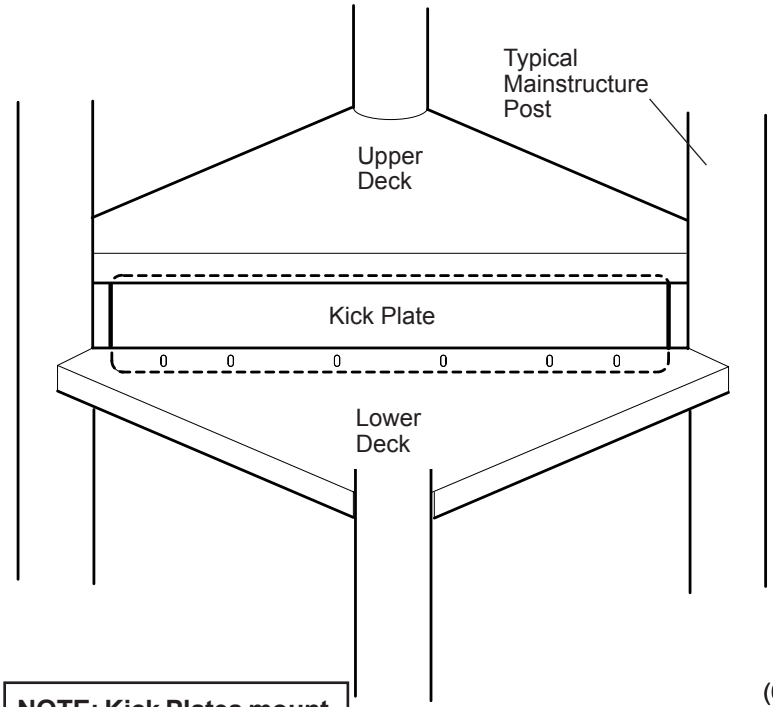


NOTE: Tri-Deck configuration may require the kick plate to be mounted to the upper deck.

DETAIL KICK PLATE ATTACHMENT (FOR 16" RISE)

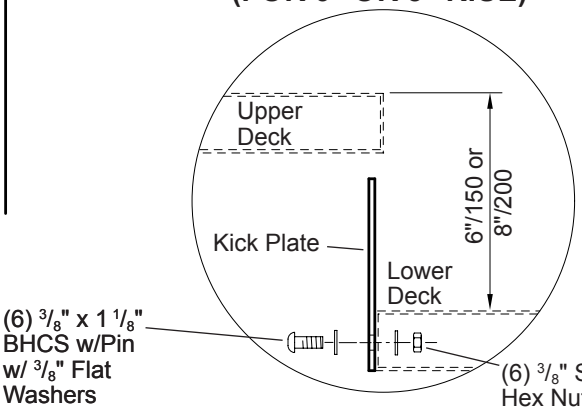


KICK PLATE (FOR 6" OR 8" RISE)



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"

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

© 2011 by Landscape Structures. All rights reserved.

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.

landscape structures®

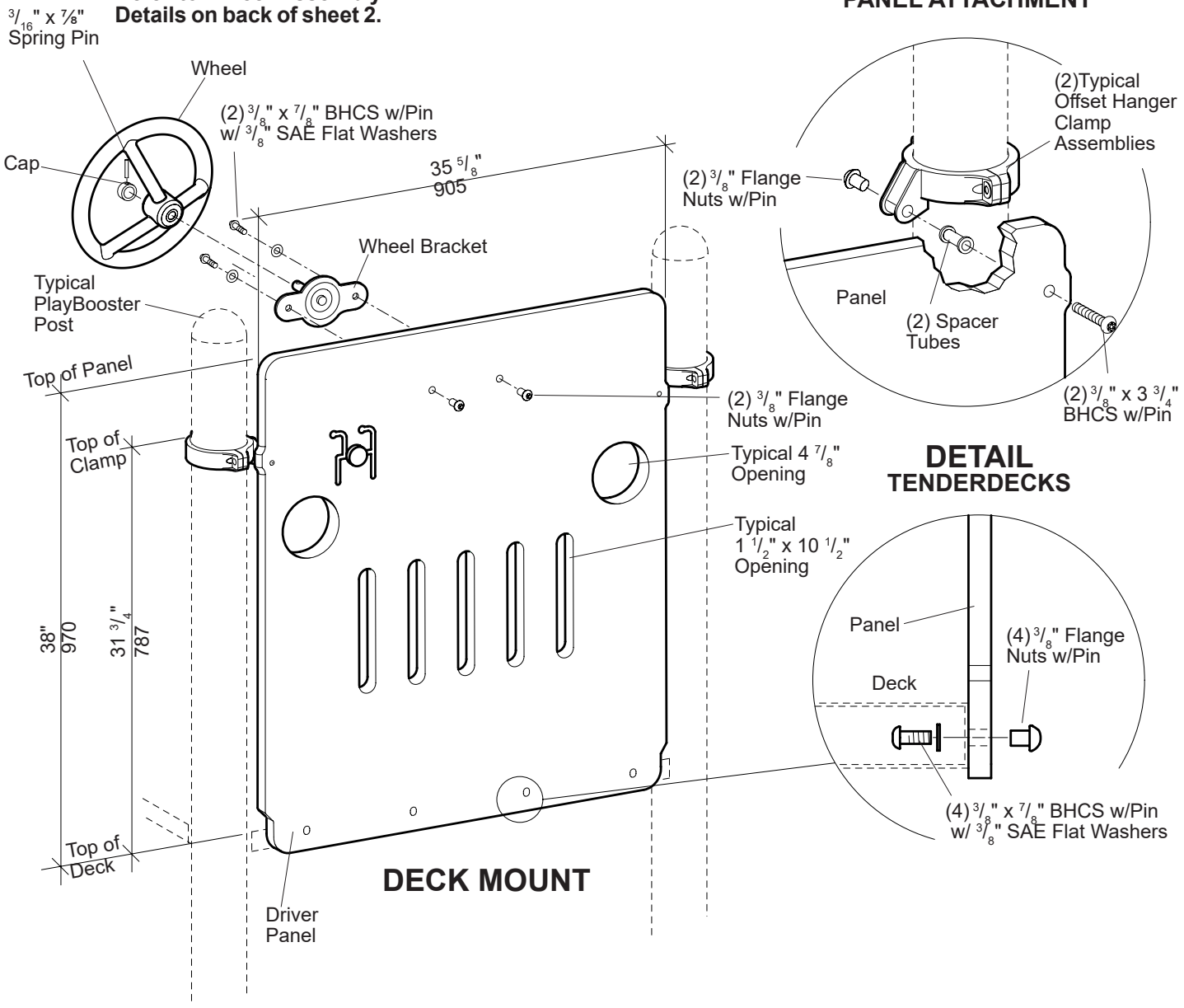
ISO 14001 CERTIFIED

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.)

Refer to Wheel Assembly Details on back of sheet 2.



NOTE: Steering Wheel Infill Panel available. Refer to the Wheel Spec Sheet.

PlayBooster®

115228 Driver 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

© 2016 by Landscape Structures. All rights reserved.

Document #24038800

landscape structures®

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)

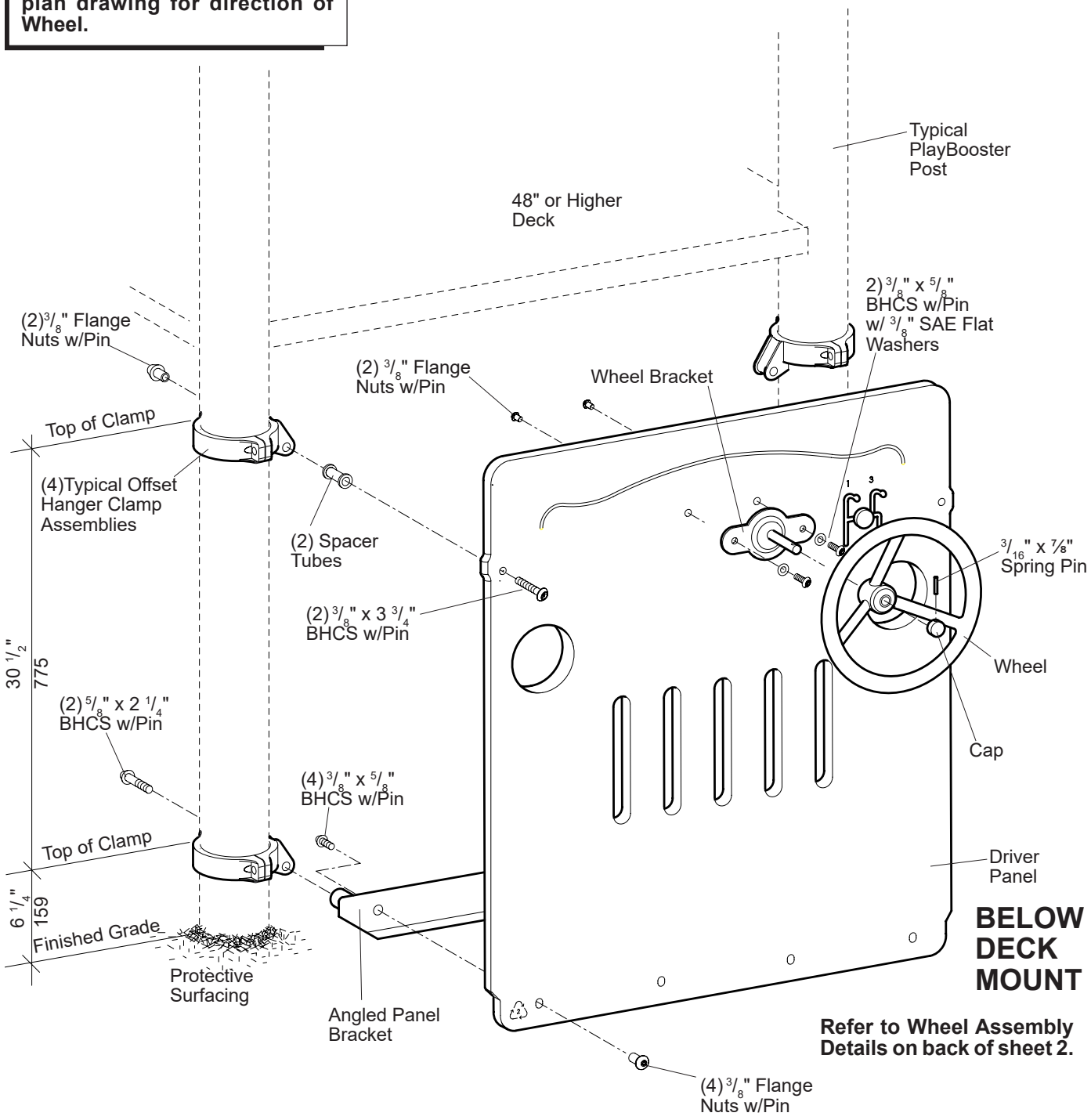
1) Attach offset hanger assemblies to posts at height shown, using half clamps and 3/8" x 1 1/8" BHCS w/pin with 3/8" tee nuts. Refer To The Typical Offset Hanger Clamp Spec Sheet.
2) Attach angled panel bracket to bottom of panel, using 3/8" x 5/8" BHCS w/pin and 3/8" flange nuts w/pin. See Below Deck 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.

landscape structures®

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

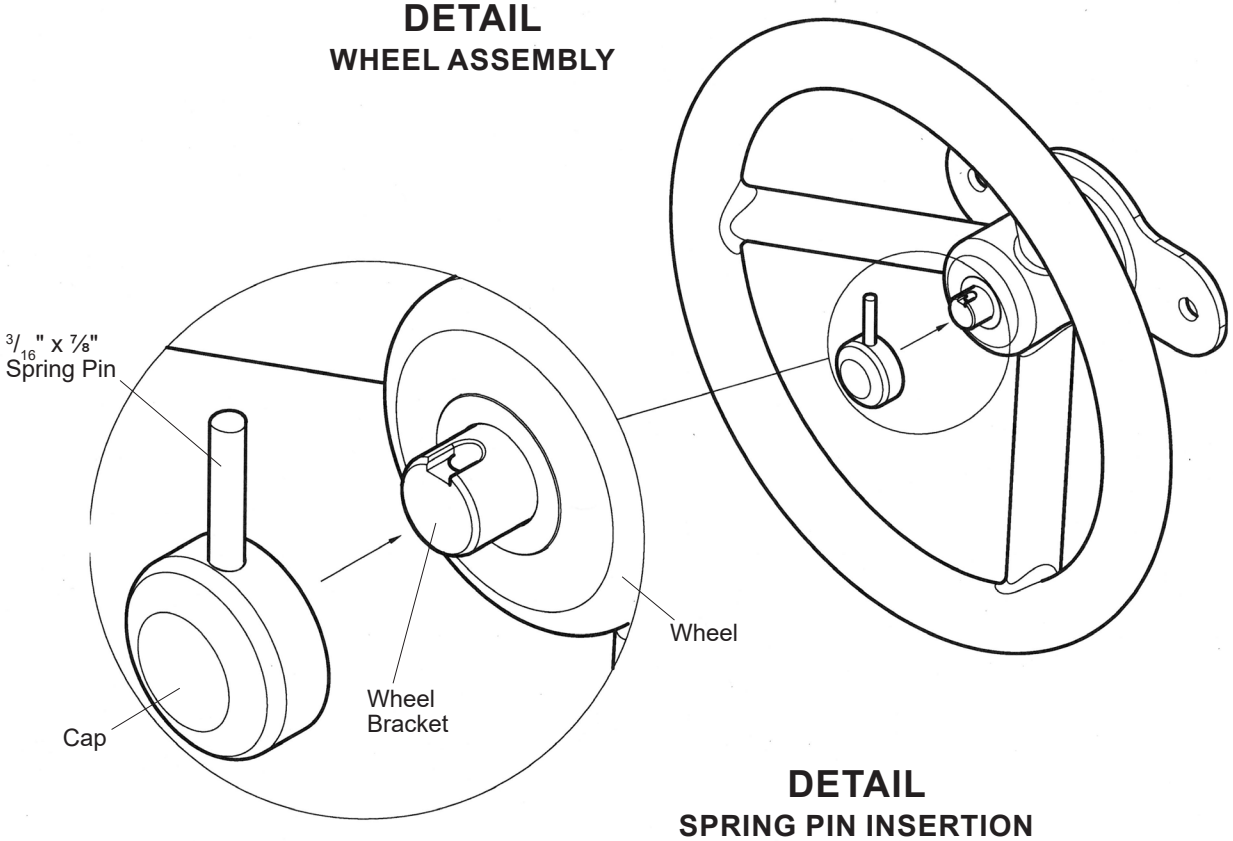
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2016 by Landscape Structures. All rights reserved.

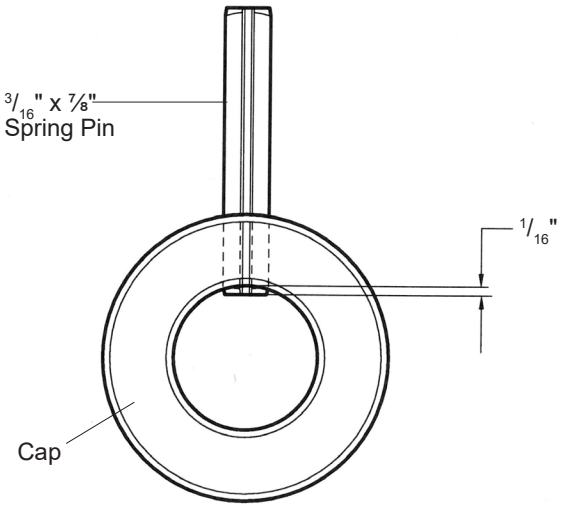
Document #24038800

landscape structures®

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.

PlayBooster®

115228 Driver 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

© 2016 by Landscape Structures. All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

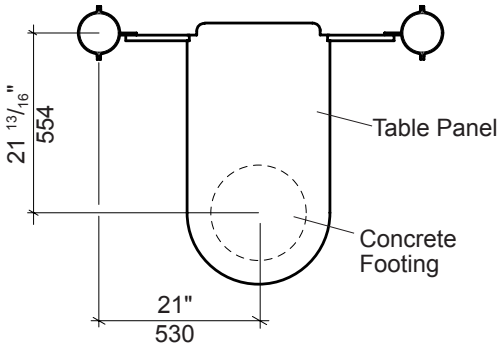
ISO 9001 Certified

SAFETY NOTE

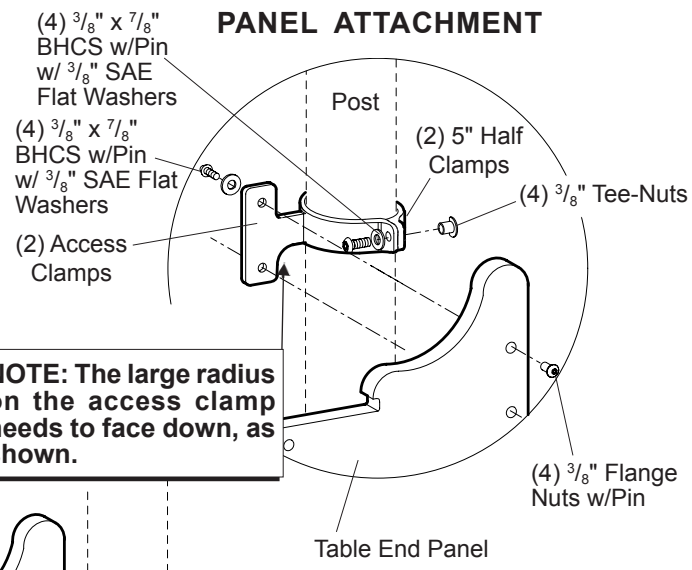
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

213040

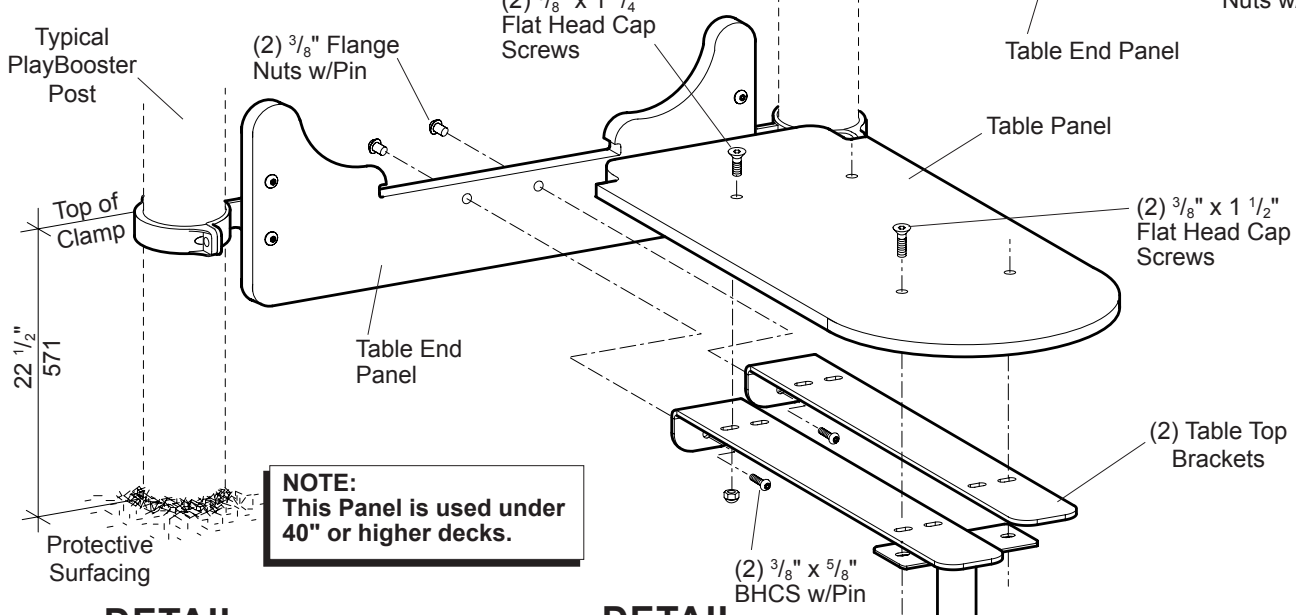
PLAN VIEW/ FOOTING LAYOUT



DETAIL
PANEL ATTACHMENT

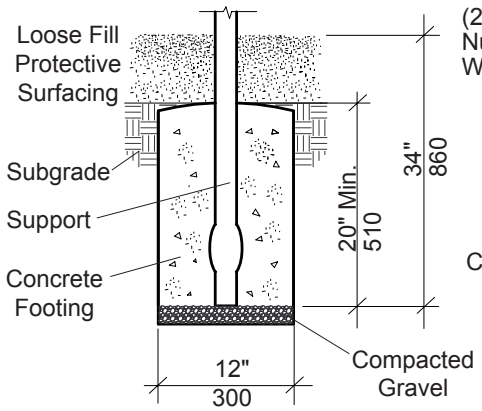


NOTE: The large radius on the access clamp needs to face down, as shown.

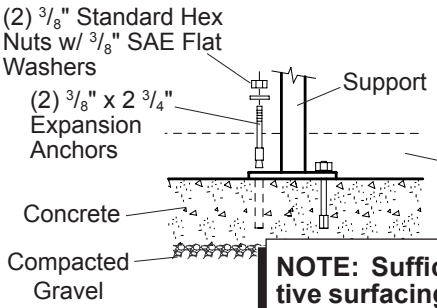


NOTE: This Panel is used under 40" or higher decks.

DETAIL
DIRECT BURY FOOTING



DETAIL
SURFACE MOUNT



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

PlayBooster® 130565 Table Panel

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

© 2015 by Landscape Structures. All rights reserved.

landscape structures®

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.

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

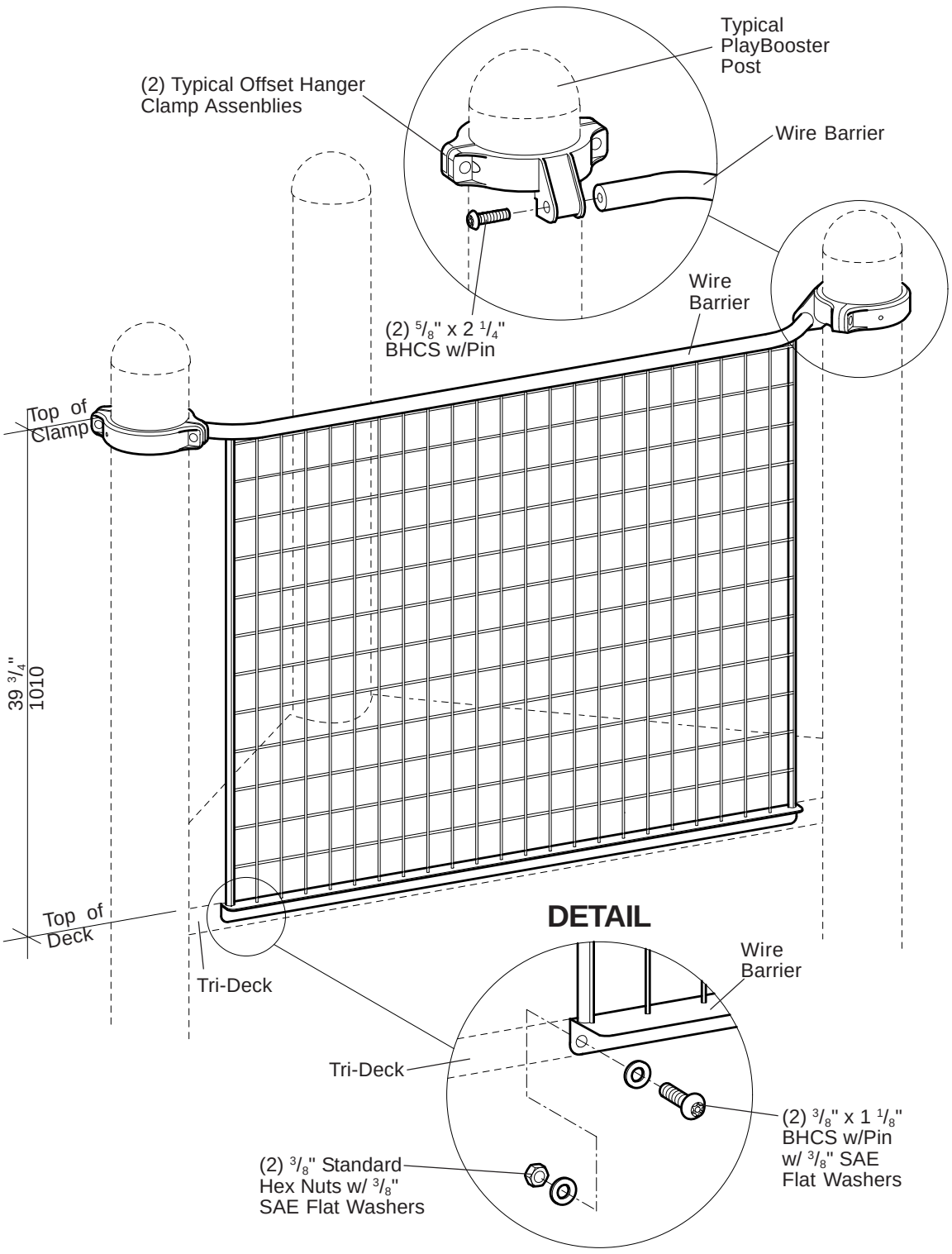
SAFETY NOTE

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*.)

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

© 2001 by Landscape Structures. All rights reserved.

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".

landscape structures®

ISO 14001 CERTIFIED

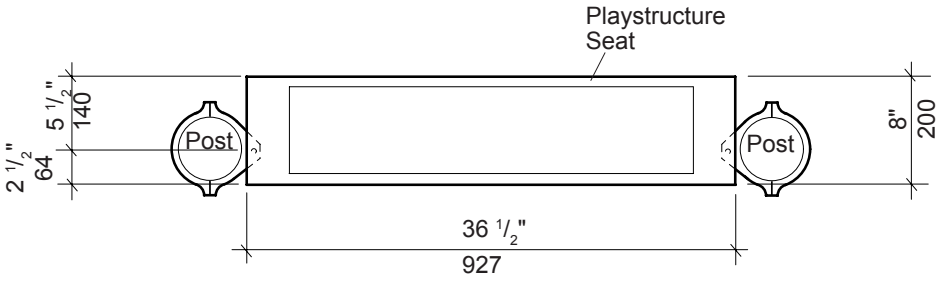
ISO 9001 Certified

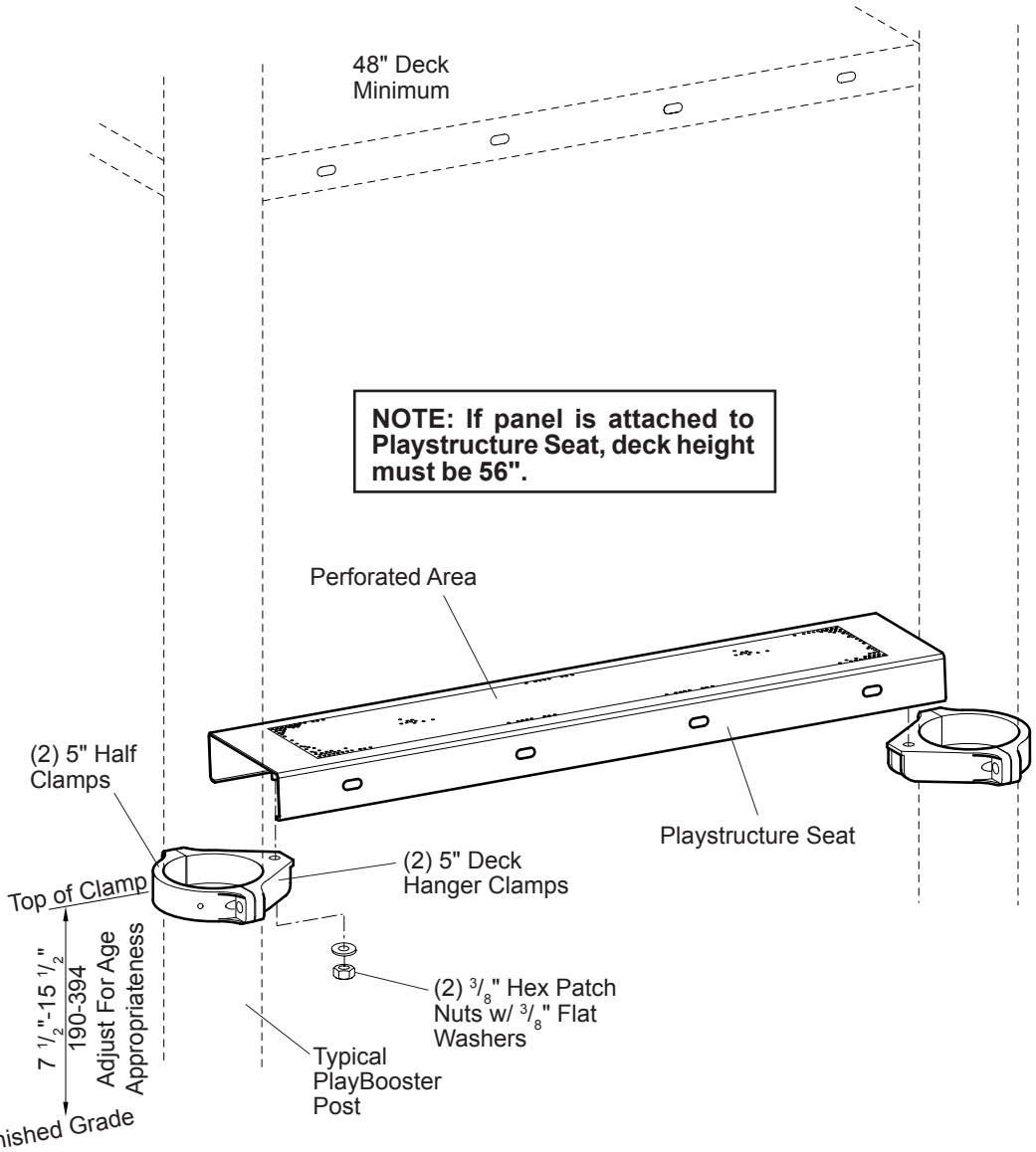
SAFETY NOTE

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.)

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

© 2010 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

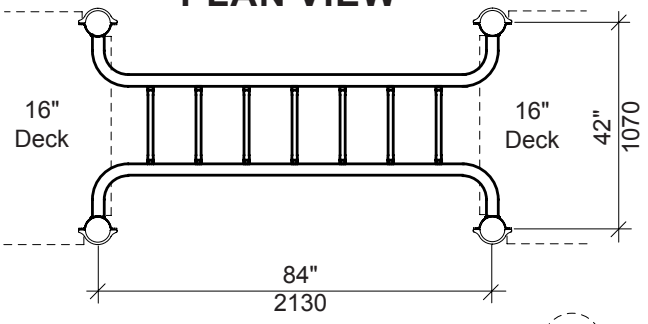
ISO 9001 Certified

SAFETY NOTE

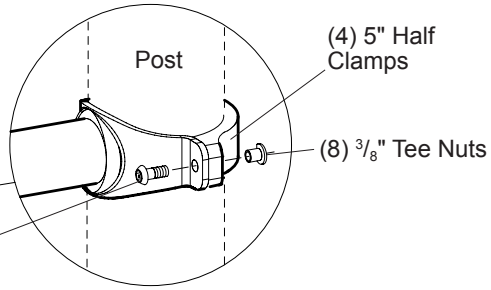
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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

© 2015 by Landscape Structures. All rights reserved.

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.

landscape structures®

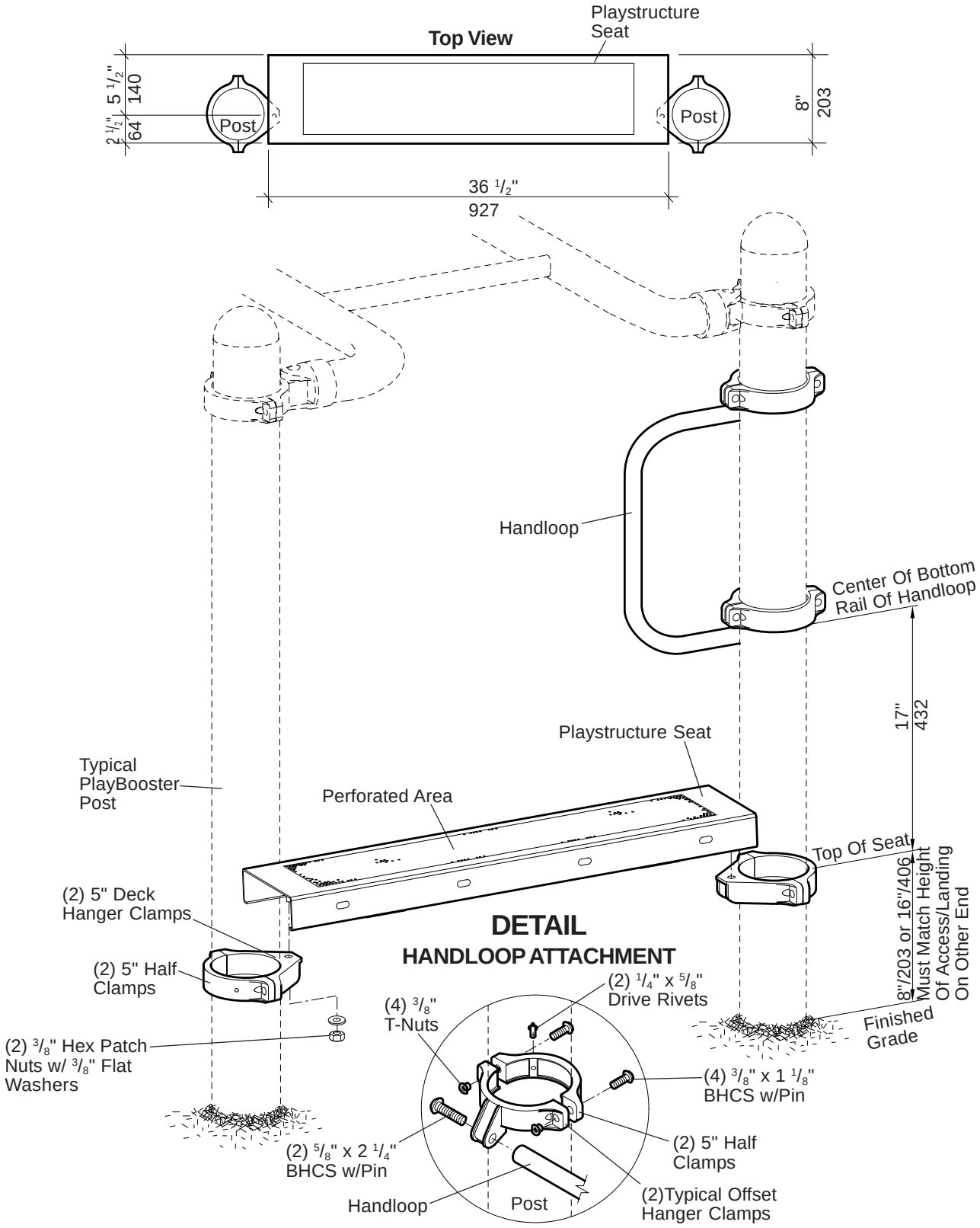
ISO 14001 CERTIFIED

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*.)

14188200



PlayBooster® 141887 Access/Landing Seat, Horizontal Ladders

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

© 2005 by Landscape Structures All rights reserved.

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.

landscape structures®

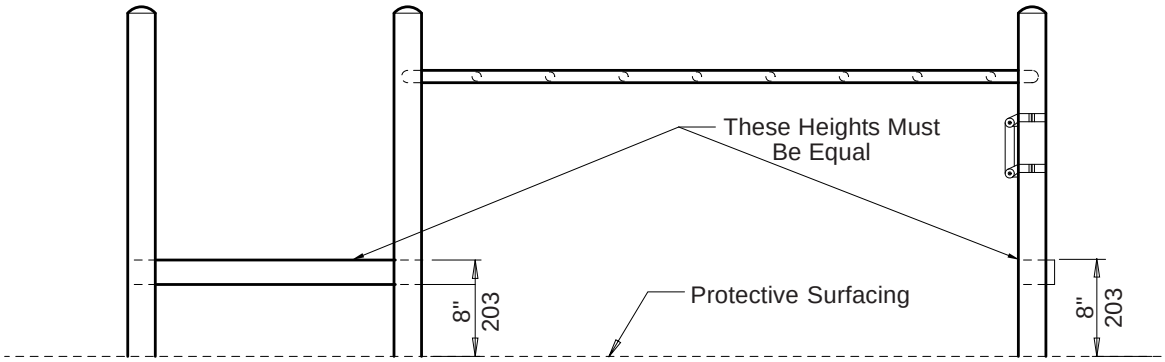
ISO 14001 CERTIFIED

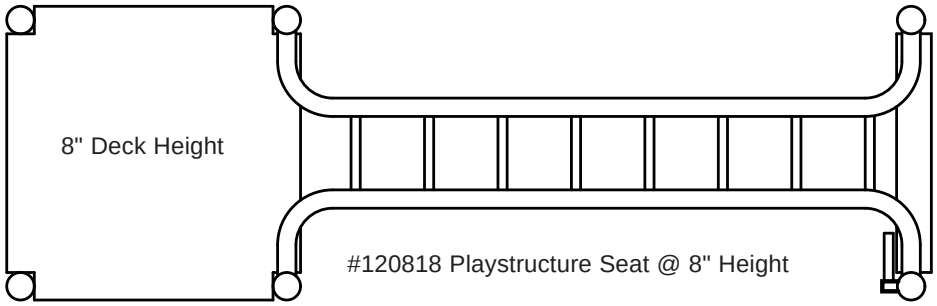
ISO 9001 Certified

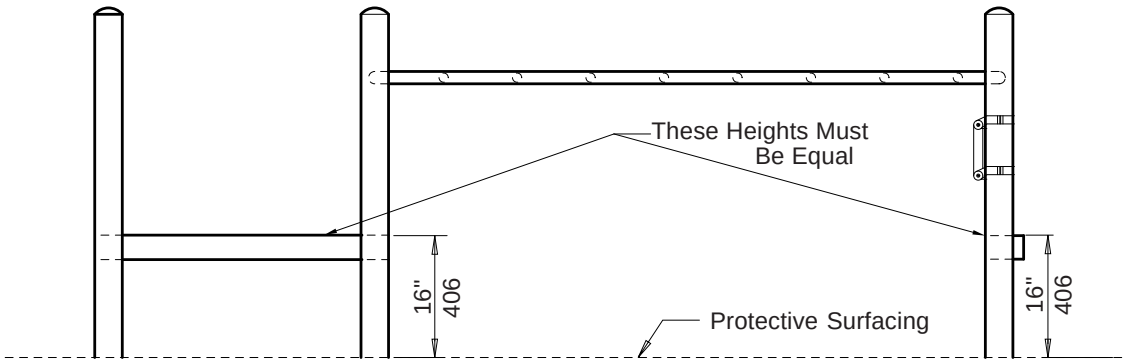
SAFETY NOTE

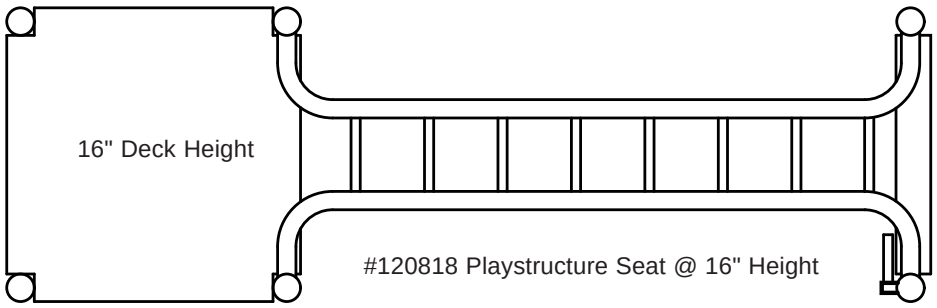
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

141882a0









PlayBooster® 141887 Access/Landing Seat, Horizontal Ladders

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

© 2005 by Landscape Structures All rights reserved.

landscape structures®

ISO 14001 CERTIFIED

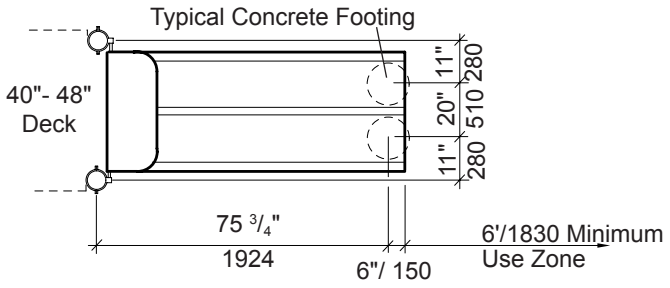
ISO 9001 Certified

SAFETY NOTE

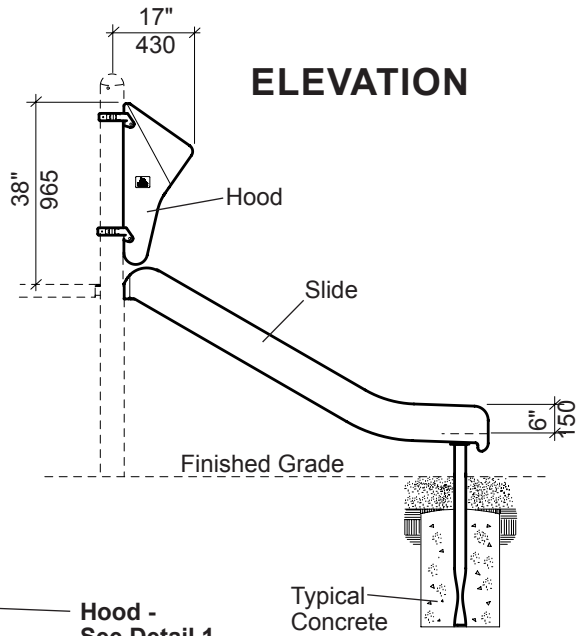
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

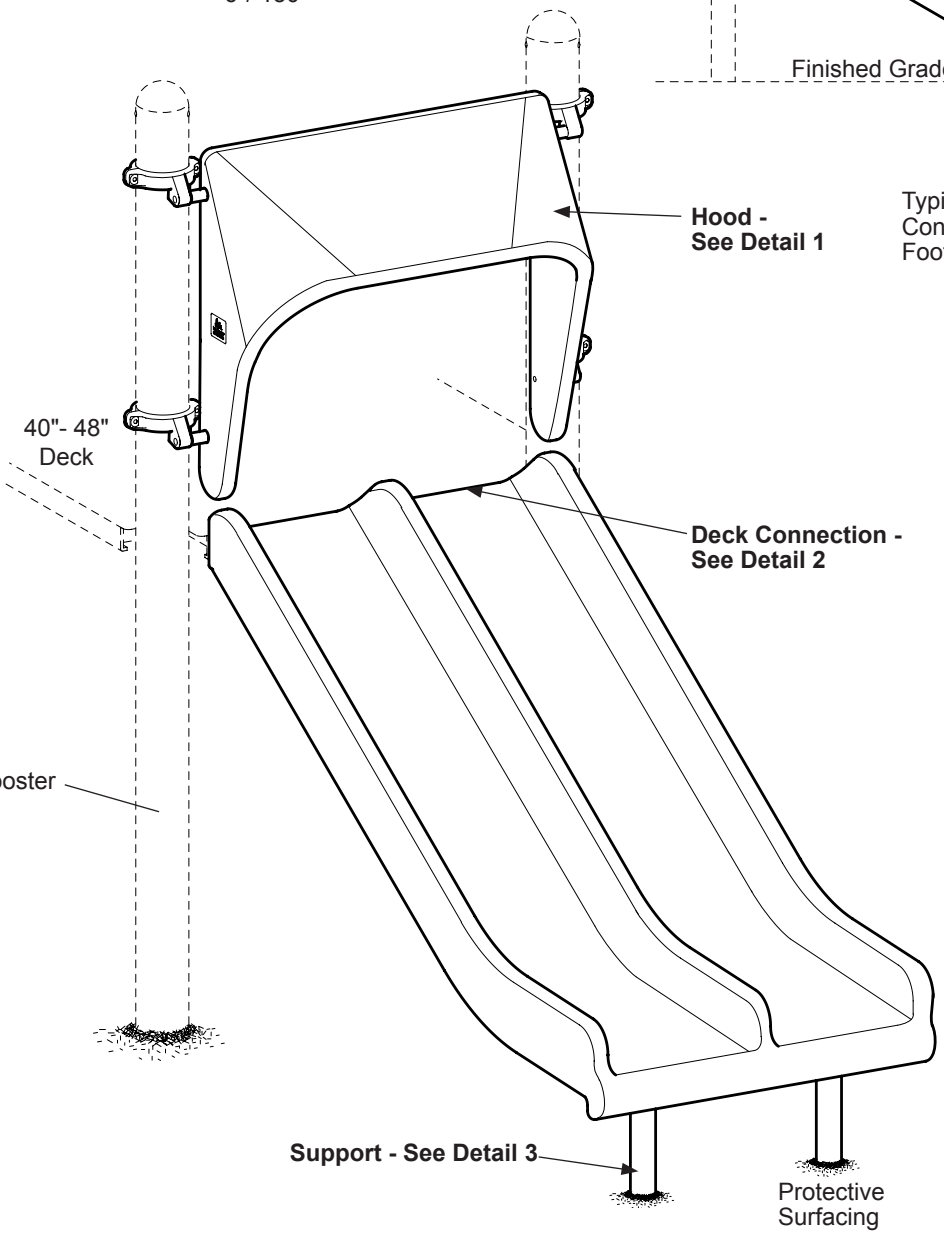
13320800

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

© 2007 by Landscape Structures. All rights reserved.

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.

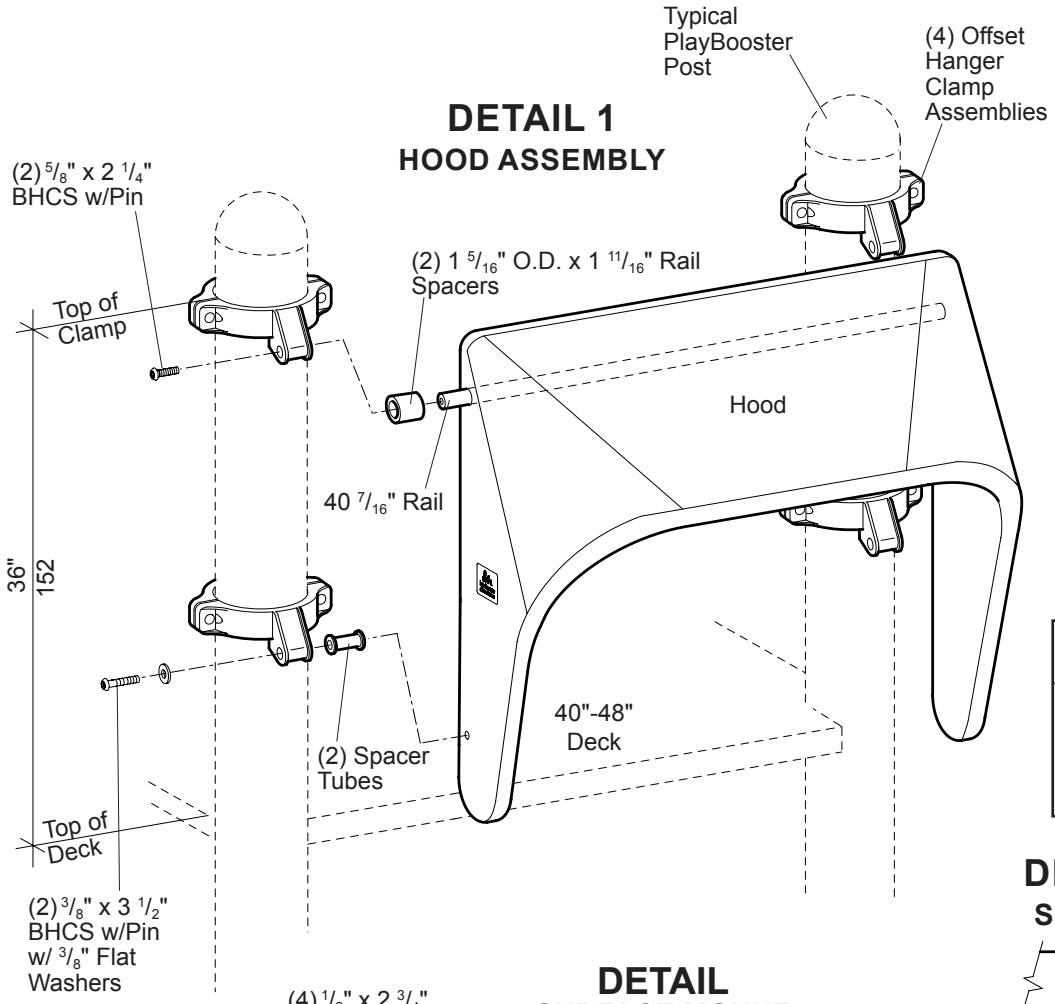
Eco #0101379 Document #24808000 replaces #16108100. Lower location of slide hood.

landscape structures®

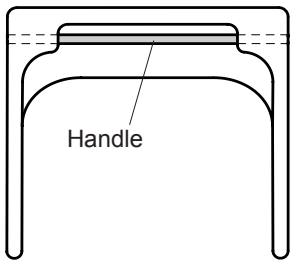
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

161080a

DETAIL 1
HOOD ASSEMBLY

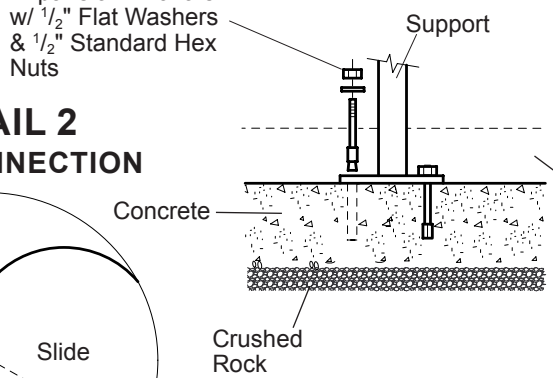


HOOD - HANDLE DETAIL

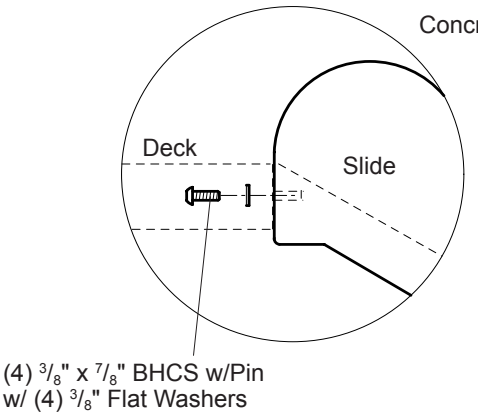


KEY: Deck Hgt.	Dimension
40"	**A** = 6"/ 150
48"	**A** = 11"/ 280
40"	**B** = 36"/ 910
48"	**B** = 31"/ 790

DETAIL
SURFACE MOUNT

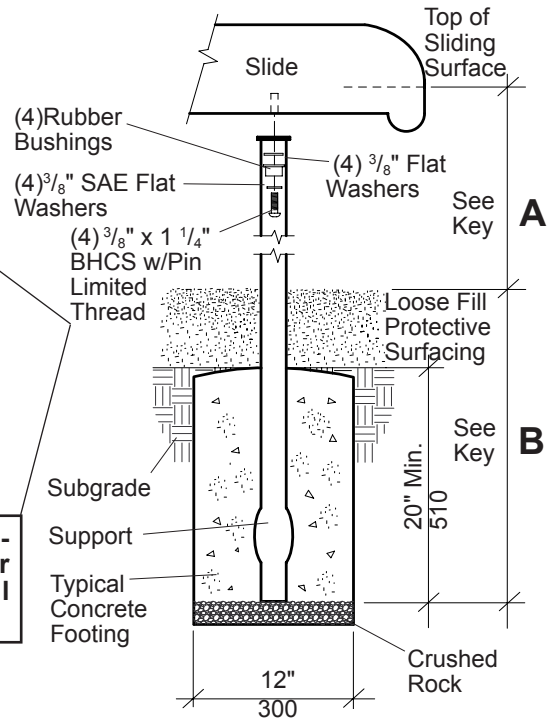


DETAIL 2
DECK CONNECTION



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

DETAIL 3
SUPPORT



PlayBooster® 123331 Double Slide, 40"- 48"

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

© 2007 by Landscape Structures. All rights reserved.

Document #24808000

landscape structures®

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.)

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:

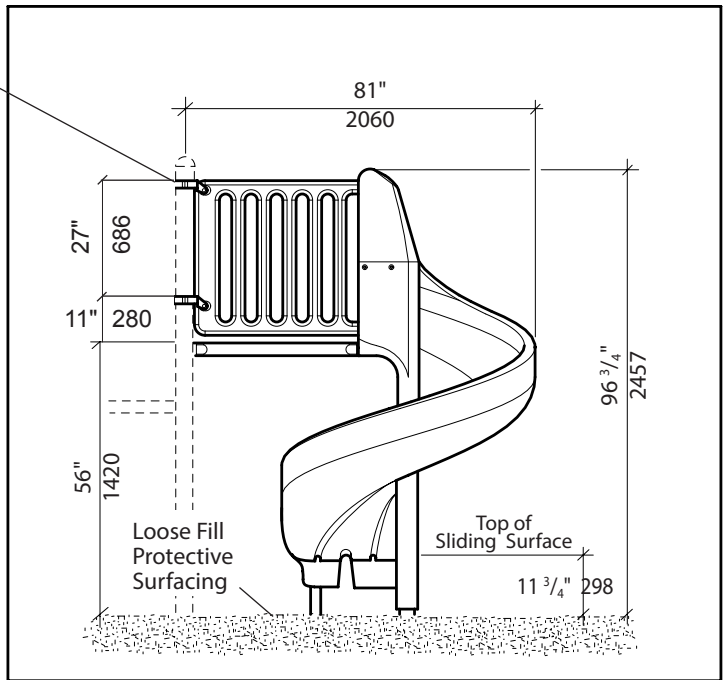
- Concrete footings have cured at least 3 days.
- Protective surfacing is installed around slide.

TOOLS REQUIRED

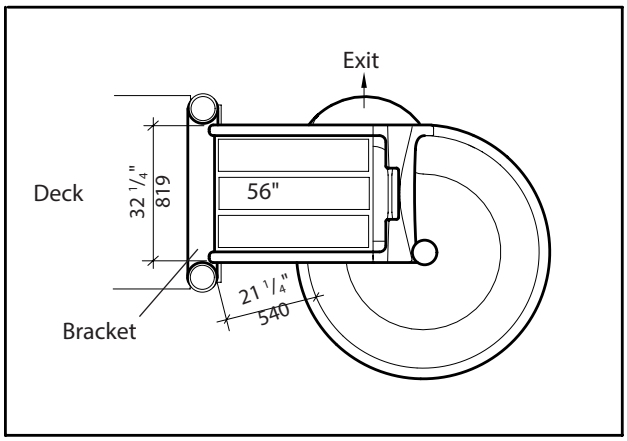
- BHCS Allen Wrenches (Supplied)
- 16 oz. Hammer
- 1/2" Electric Drill
- 1/4" or "F" Drill Bit
- 9/16" Wrench or Cresent Wrench
- Carpenters Level
- Tape Measure
- Suitable equipment to dig footing holes and pour concrete footings.

NOTE: If there is clamp interference, offset hanger clamp assemblies may need to be raised.

ELEVATION



PLAN VIEW



PlayBooster®

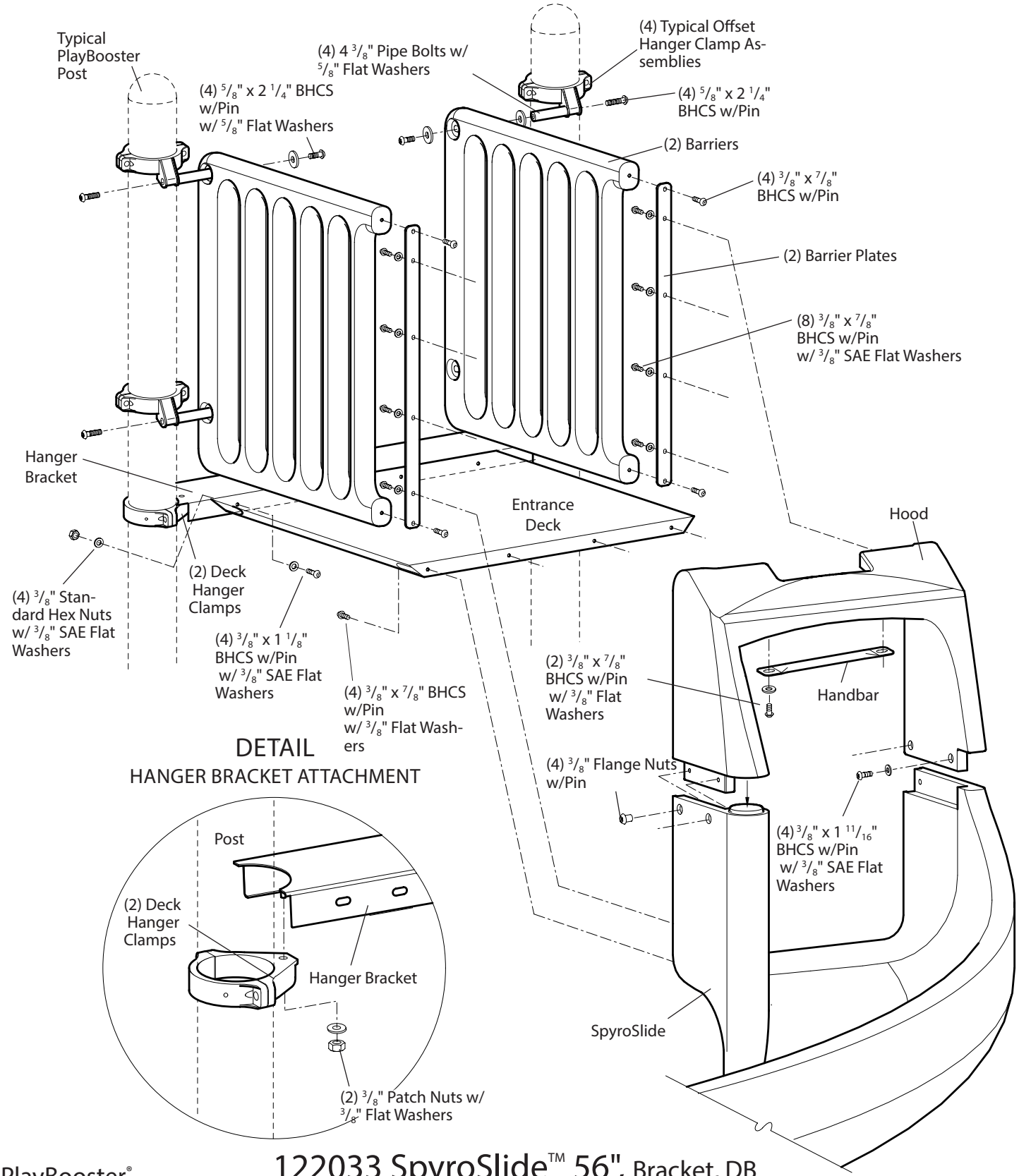
122033 SpyroSlide™ 56", Bracket, DB

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

© 2012 by Landscape Structures. All rights reserved.

landscape structures®

BARRIER/DECK/SLIDE ASSEMBLY



DETAIL
HANGER BRACKET ATTACHMENT

PlayBooster®

122033 SpyroSlide™ 56", Bracket, DB

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

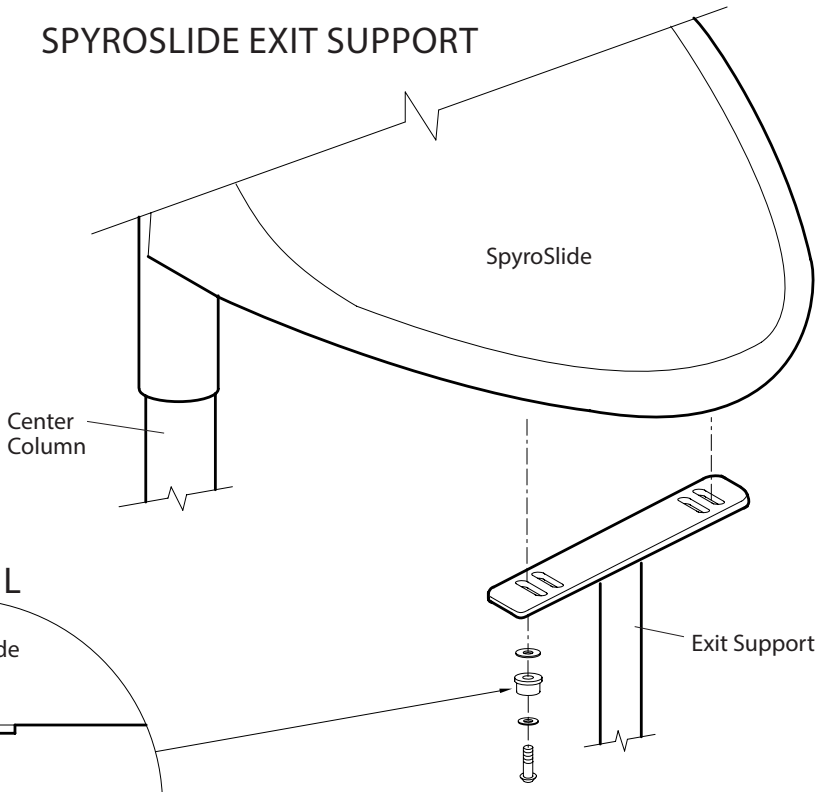
© 2012 by Landscape Structures. All rights reserved.

landscape structures®

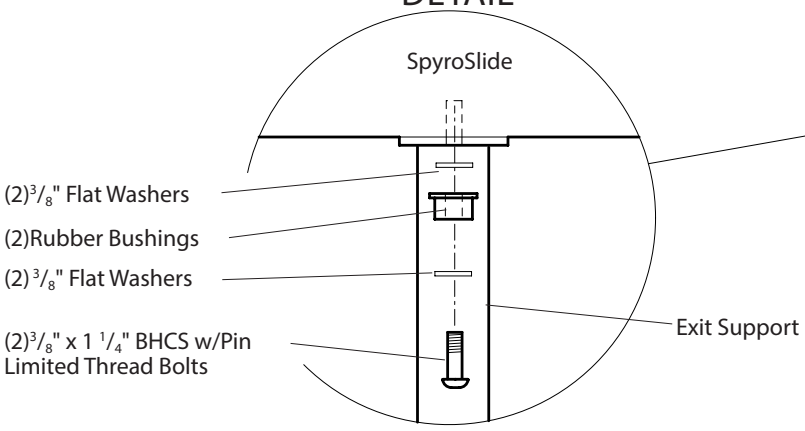
SAFETY NOTE
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

151047c0

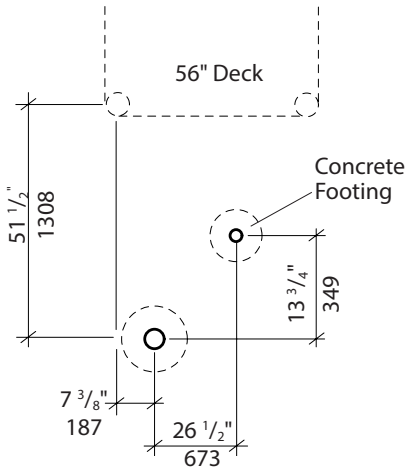
SPYROSLIDE EXIT SUPPORT



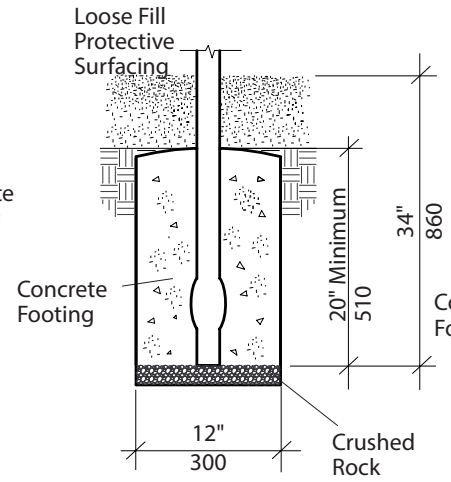
DETAIL



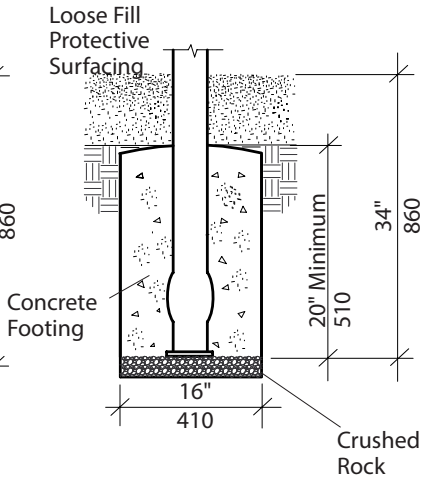
DETAIL
FOOTING LAYOUT



DETAIL
SLIDE EXIT FOOTING



DETAIL
CENTER COLUMN FOOTING



PlayBooster®

122033 SpyroSlide™ 56", Bracket, DB

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

2012 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

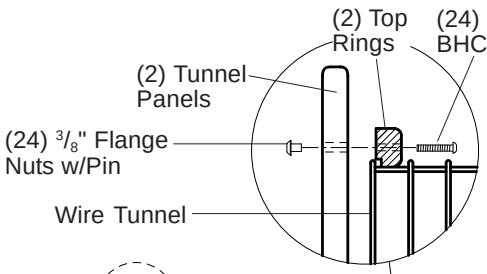
ISO 9001 Certified

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*.)

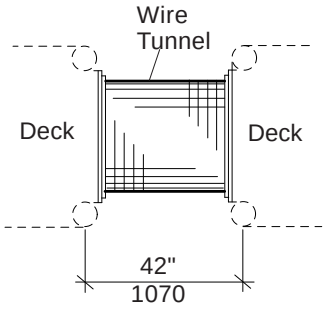
20890900

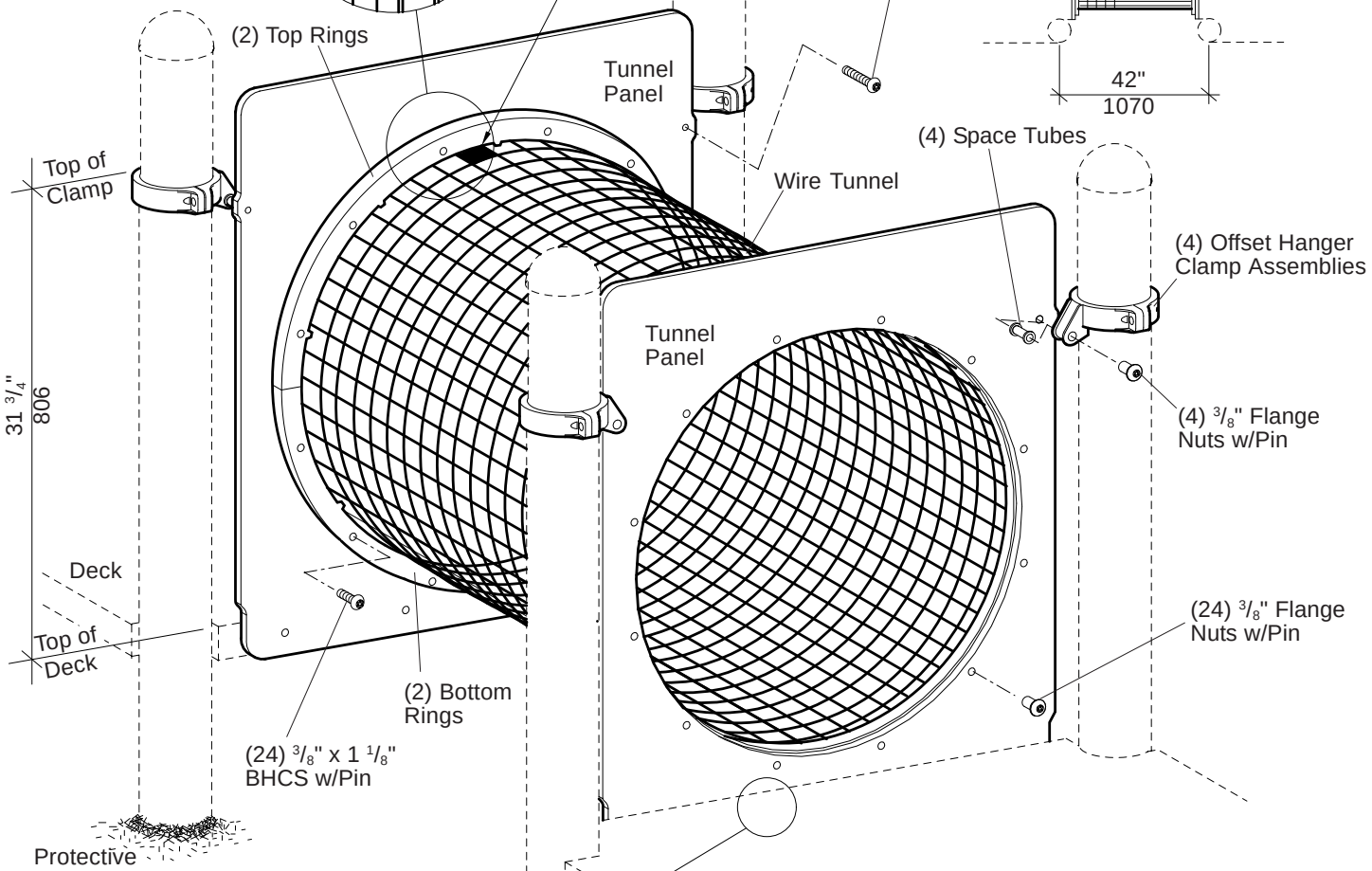
DETAIL
TUNNEL/RING ATTACHMENT



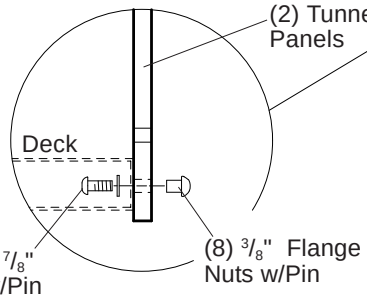
Attach Wire Tunnel To Panel With Tab On Top

PLAN VIEW FOOTING LAYOUT





DETAIL
TENDERDECKS



DECK MOUNT

PlayBooster®

119641 Crawl Tunnel, Wire

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

© 2015 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

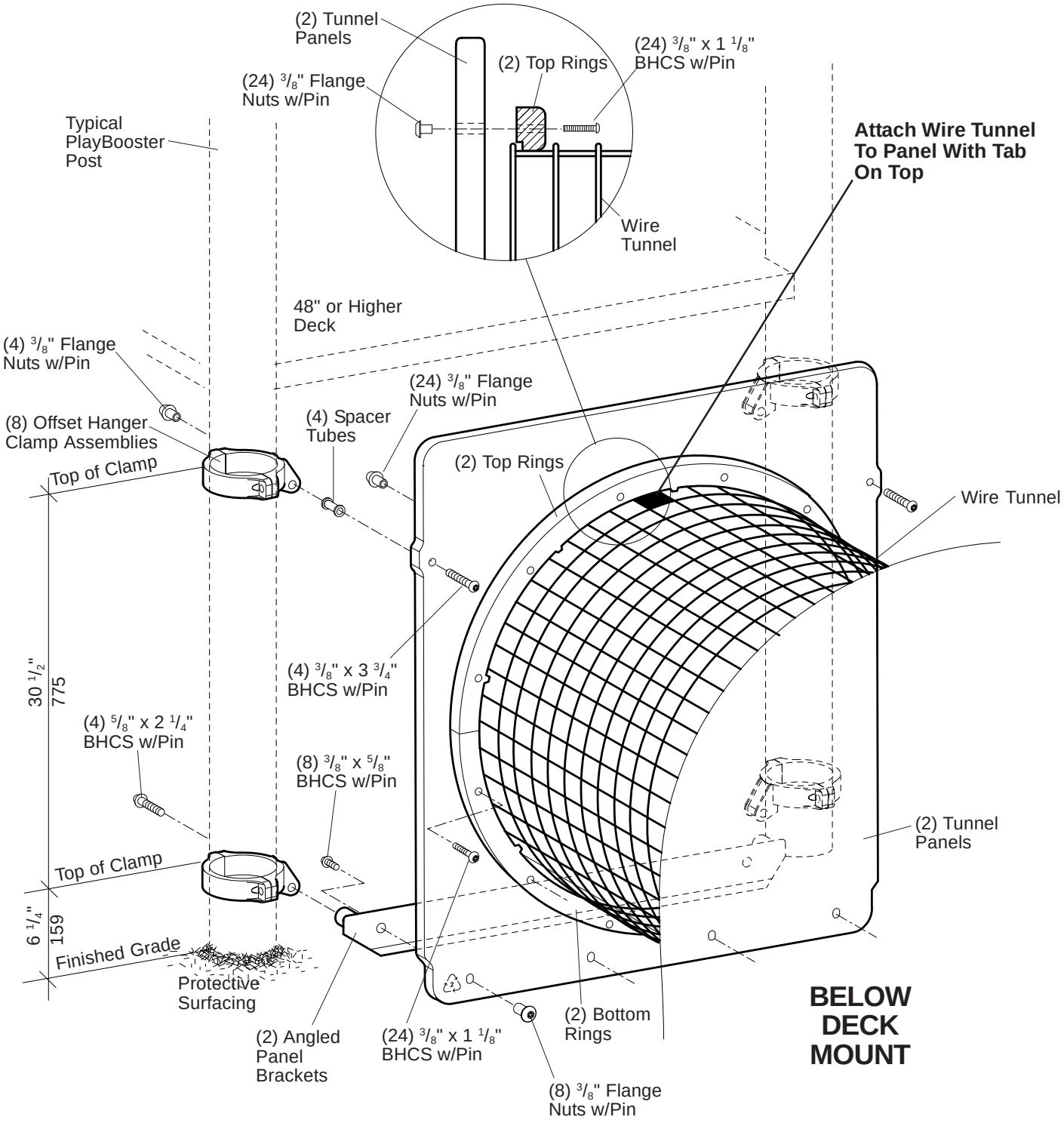
SAFETY NOTE

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*.)

208909a

DETAIL

TUNNEL/RING ATTACHMENT



PlayBooster® **119641 Crawl Tunnel, Wire**

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

© 2015 by Landscape Structures. All rights reserved.

Document #20890900

landscape structures®

ISO 14001 CERTIFIED

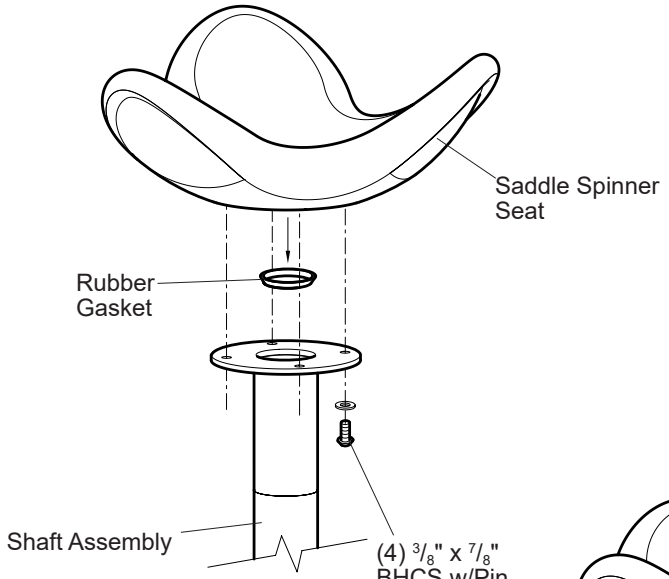
ISO 9001 Certified

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.)

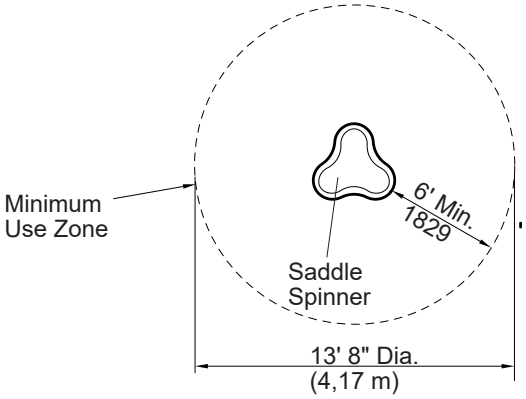
20076700

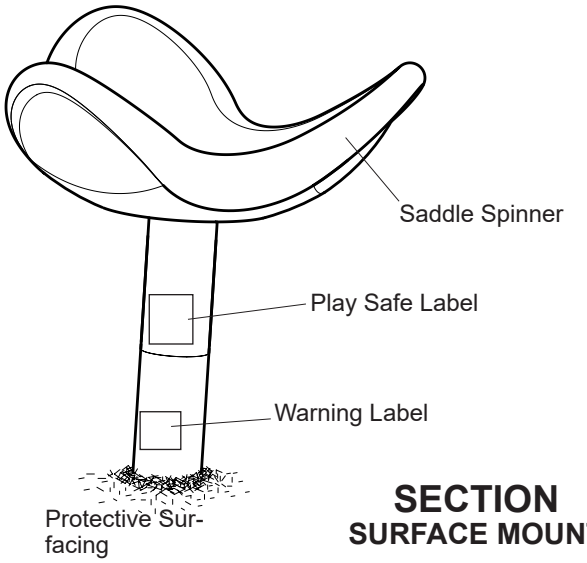
DETAIL
SADDLE SPINNER SEAT ASSEMBLY



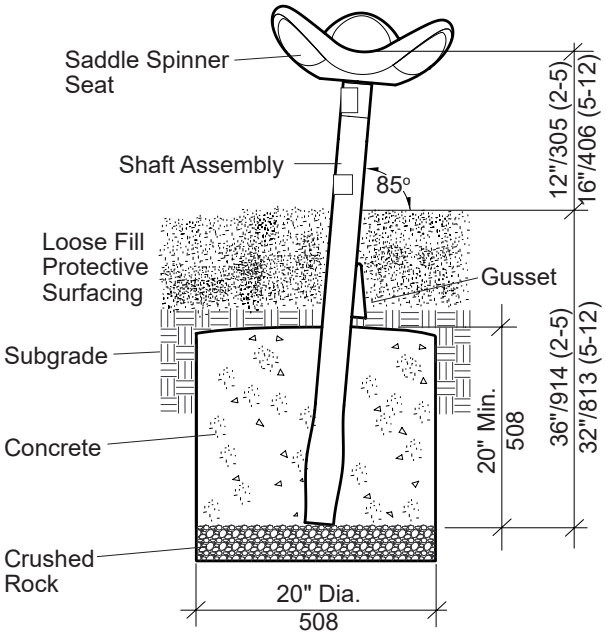
NOTE: Install Rubber Gasket with small diameter down.

DETAIL
MINIMUM USE ZONE

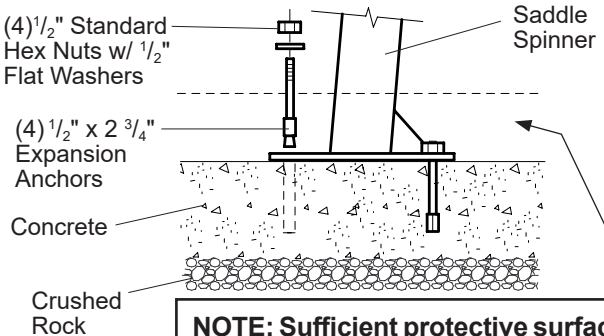




DETAIL
DIRECT BURY



SECTION
SURFACE MOUNT



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

Kids In Motion 152179 Saddle Spinner

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

© 2020 by Landscape Structures. All rights reserved.

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"..

landscape structures®

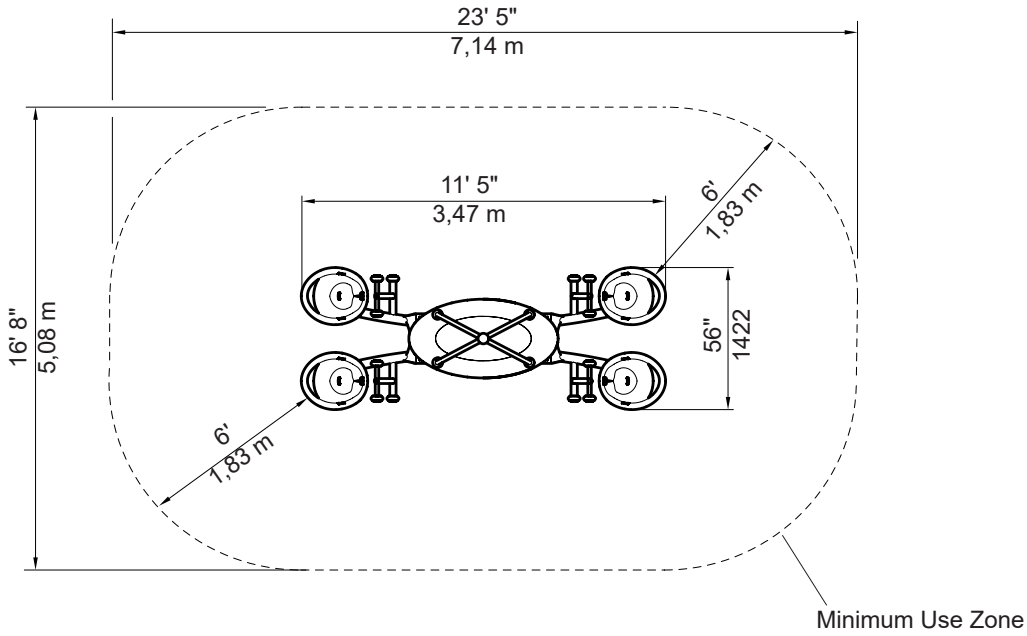
ISO 14001 CERTIFIED

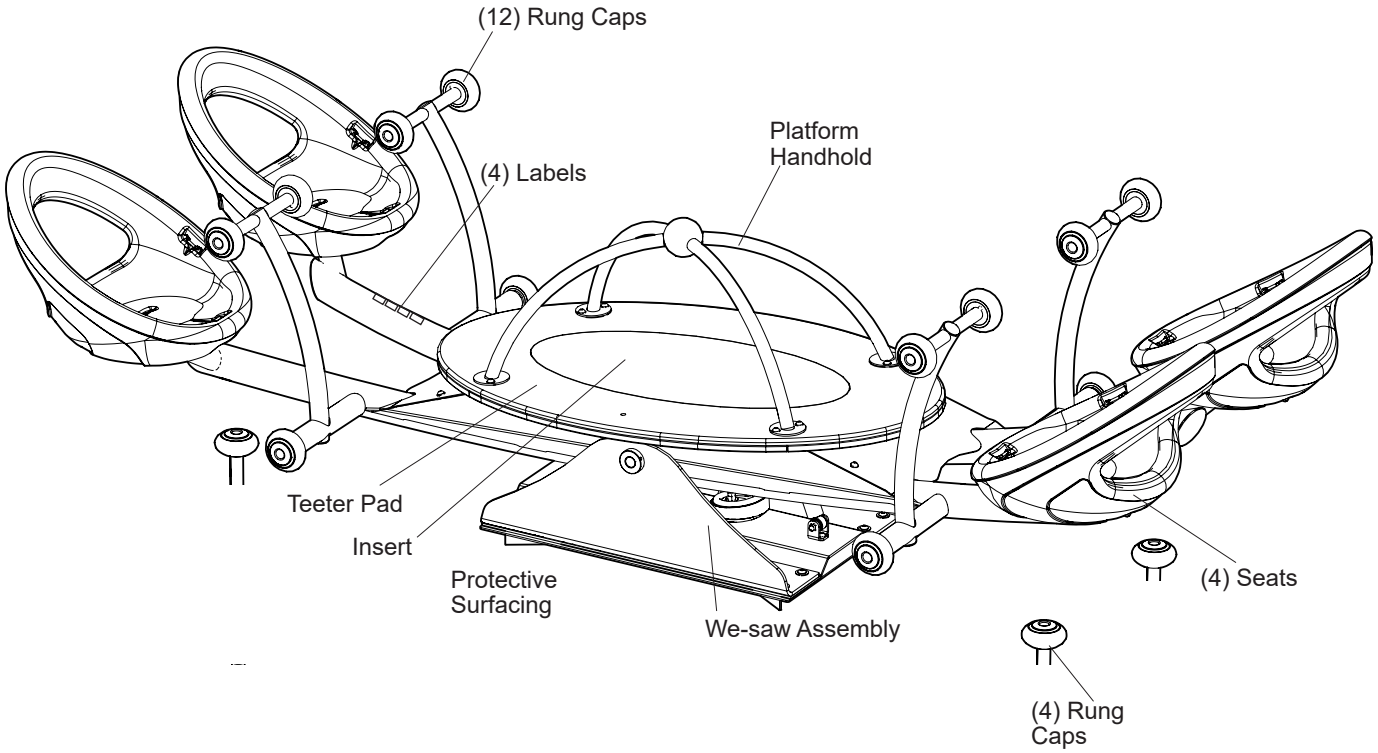
ISO 9001 Certified

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.)

PLAN VIEW





Kids In Motion

186490 We-saw™

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

© 2022 by Landscape Structures. All rights reserved.

Document #32121700

landscape structures®

ISO 14001 CERTIFIED

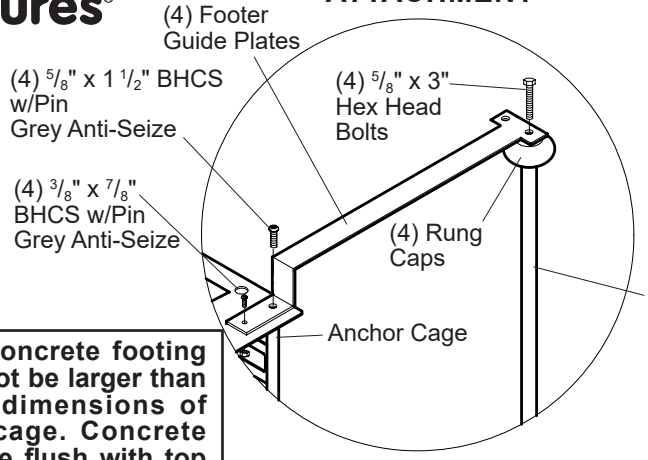
ISO 9001 Certified

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.)

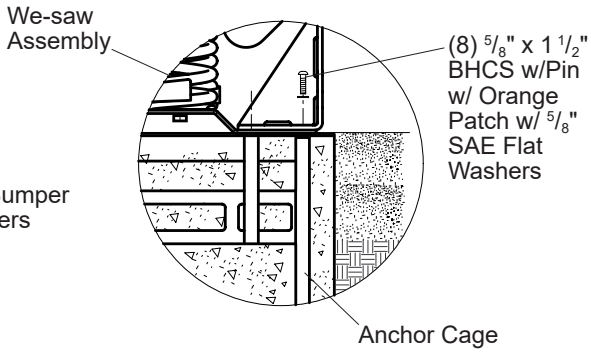
210877a

DETAIL
BUMPER FOOTER ATTACHMENT

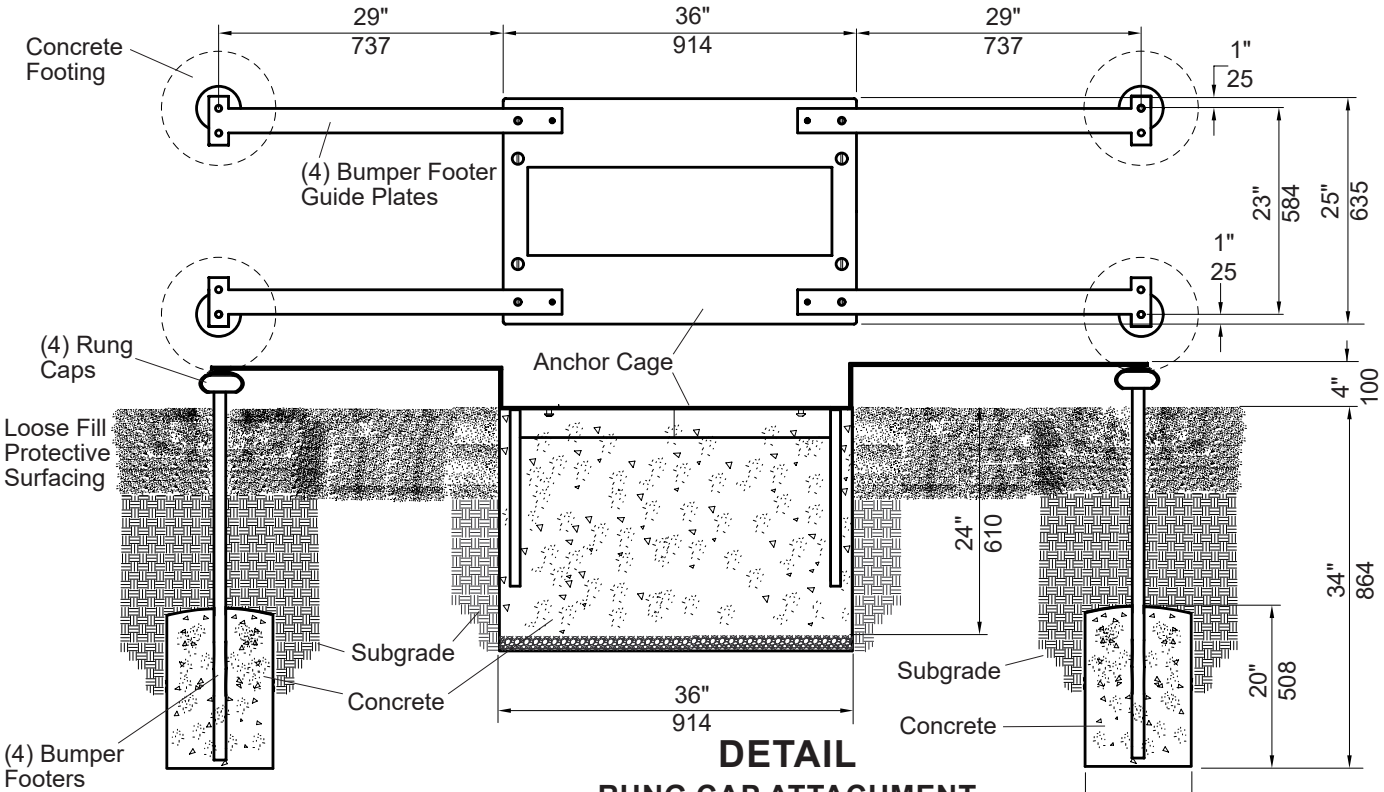


NOTE: Concrete footing should not be larger than outside dimensions of anchor cage. Concrete should be flush with top of anchor cage.

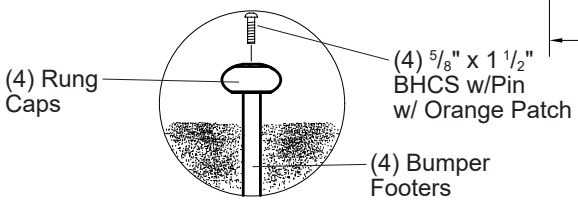
DETAIL
WE-SAW ASSEMBLY ATTACHMENT



DETAIL
CONCRETE FOOTINGS
(WITH FOOTER GUIDE PLATES)



DETAIL
RUNG CAP ATTACHMENT



Kids In Motion

186490 We-saw™

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

© 2022 by Landscape Structures. All rights reserved.

landscape structures®

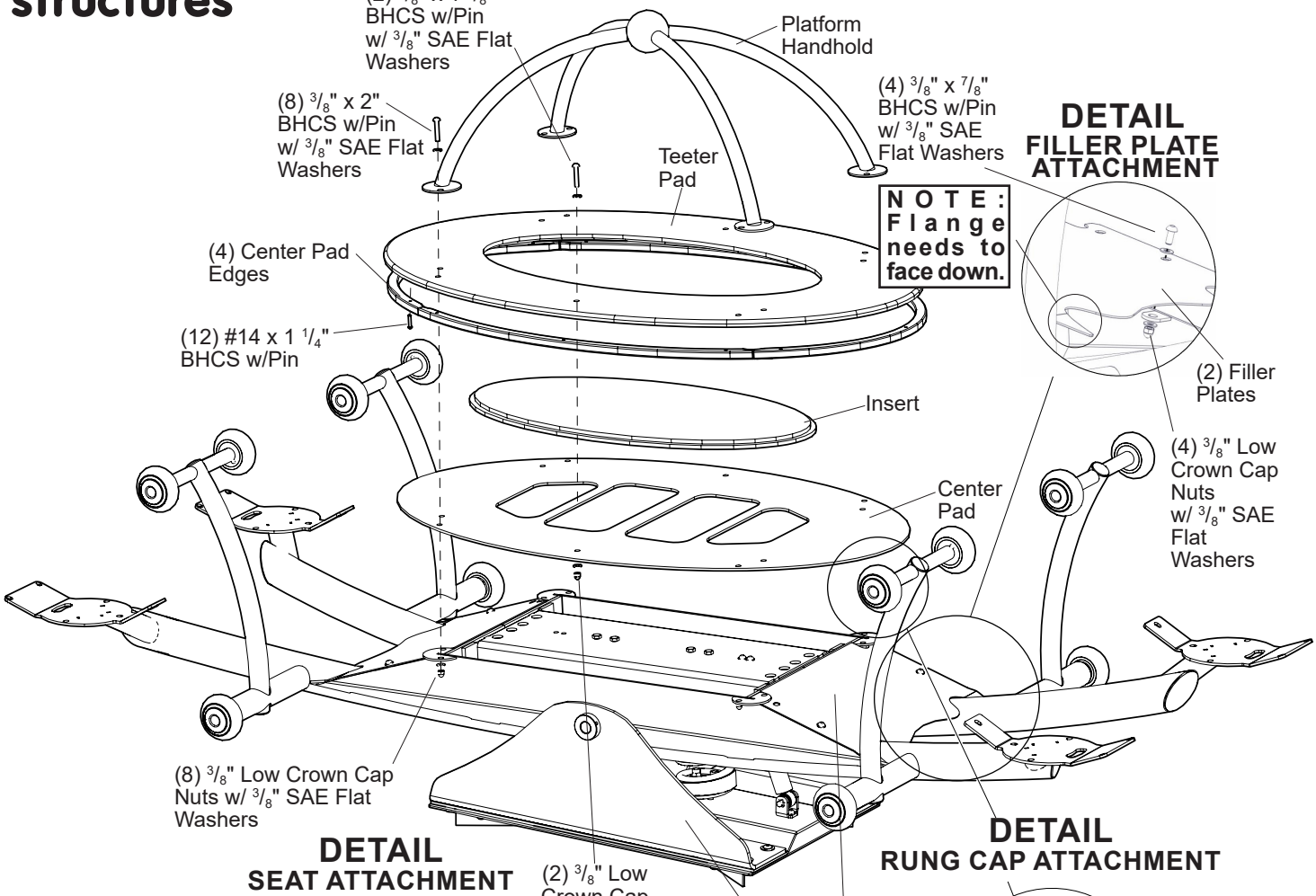
ISO 14001 CERTIFIED

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.)

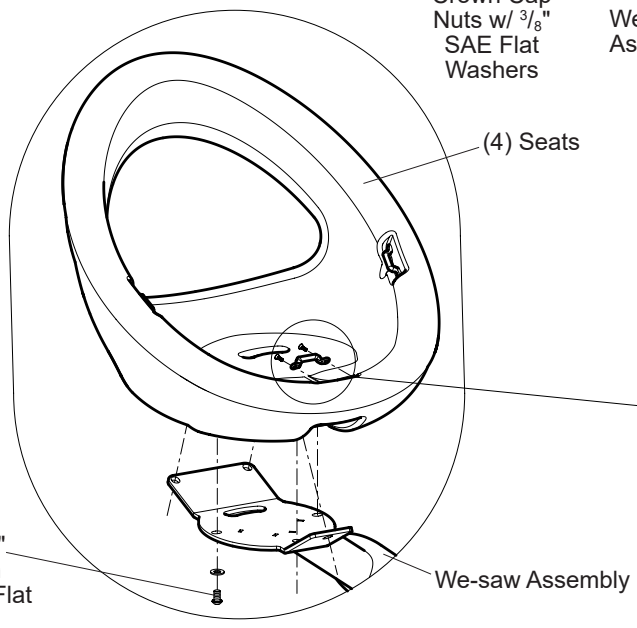
DETAIL
WE-SAW ASSEMBLY



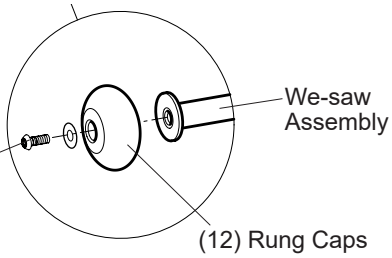
NOTE: Flange needs to face down.

DETAIL
FILLER PLATE ATTACHMENT

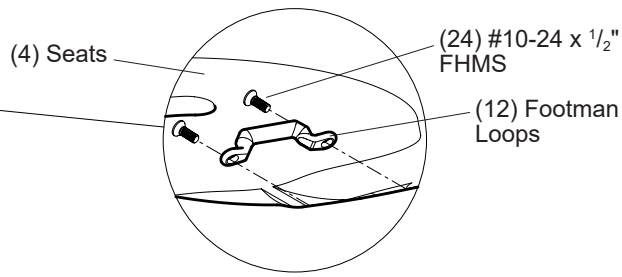
DETAIL
SEAT ATTACHMENT



DETAIL
RUNG CAP ATTACHMENT



DETAIL



Kids In Motion

186490 We-saw™

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

© 2022 by Landscape Structures. All rights reserved.

Document #32121700

landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

SAFETY NOTE

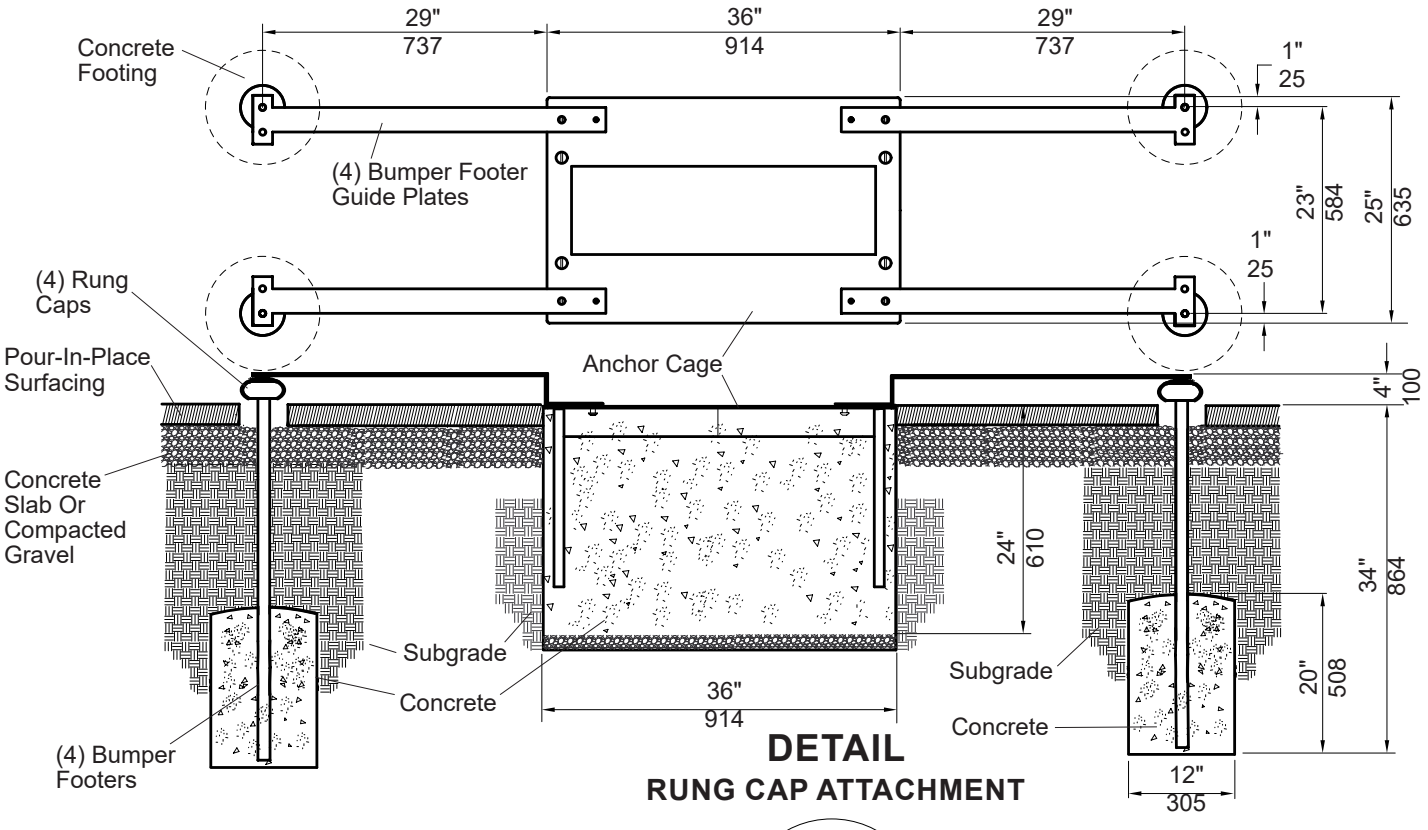
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

210877z

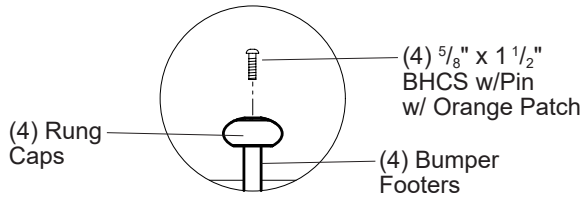
DETAIL

DIRECT BURY WITH POUR-IN-PLACE SURFACING

CONCRETE FOOTINGS
(WITH FOOTER GUIDE PLATES)



DETAIL
RUNG CAP ATTACHMENT



Kids In Motion

186490 We-saw™

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

© 2022 by Landscape Structures. All rights reserved.

landscape structures®

Kids In Motion 186490 We-saw™

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

landscape structures®

Kids In Motion 186490 We-saw™

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.

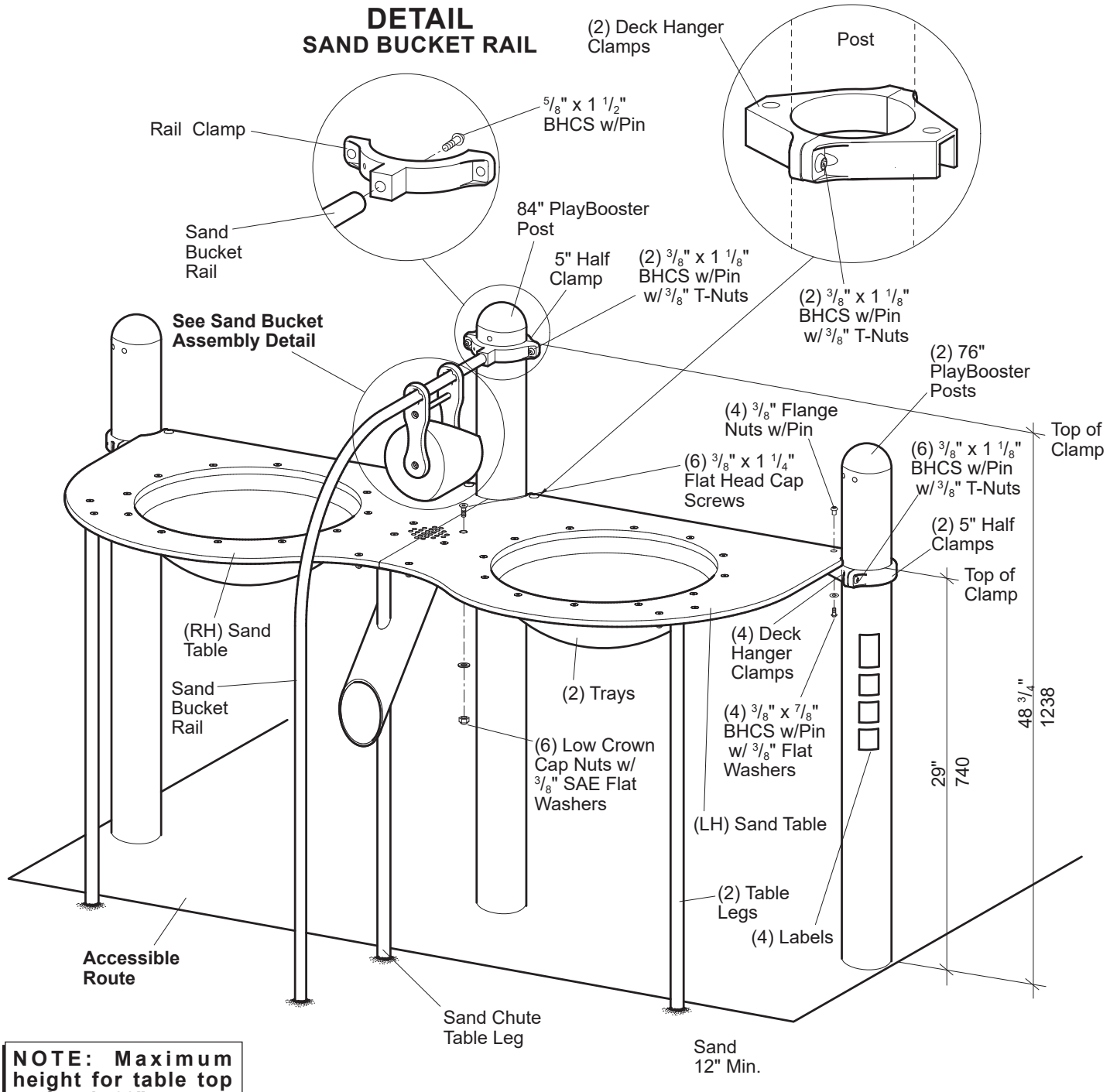
landscape structures®

ISO 14001 CERTIFIED

ISO 9001 Certified

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

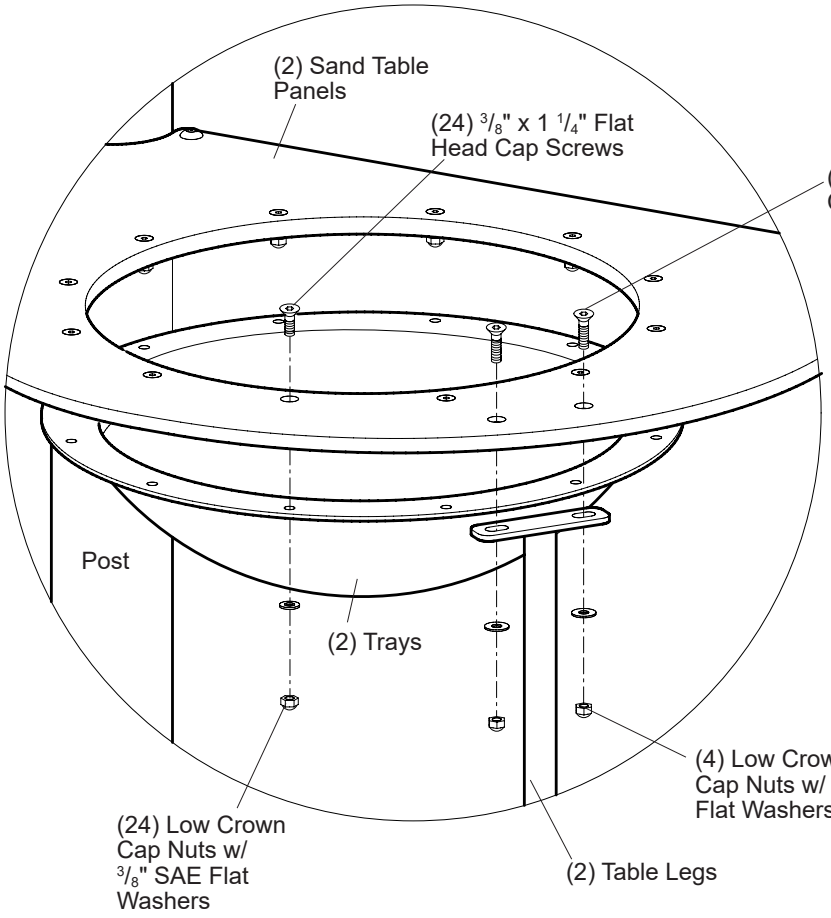
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2021 by Landscape Structures. All rights reserved.

Document #30318200

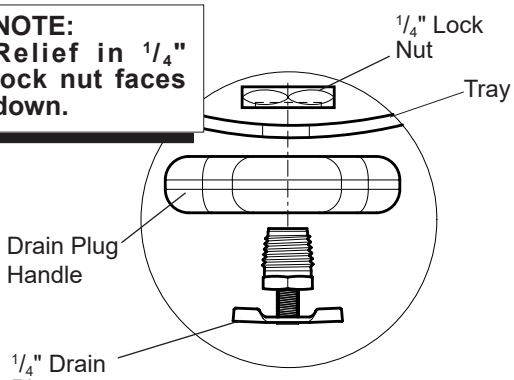
landscape structures®

DETAIL
TRAY/LEG ATTACHMENT

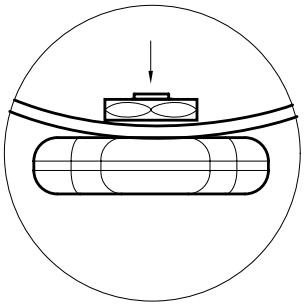


DETAIL
TRAY DRAIN

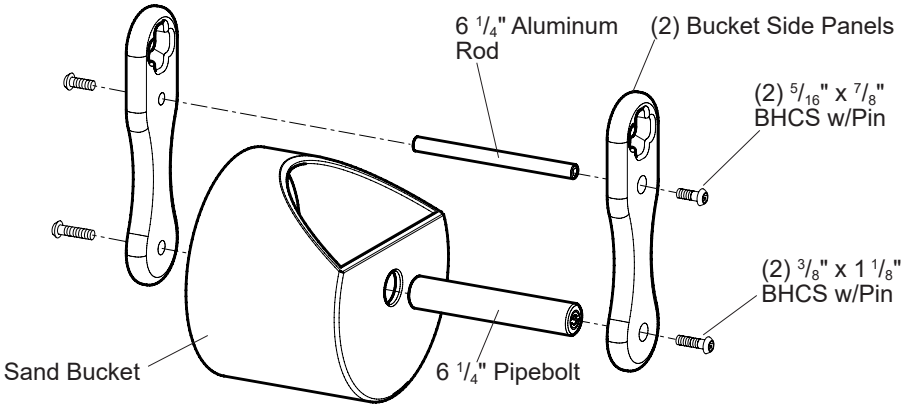
NOTE: Relief in 1/4" lock nut faces down.



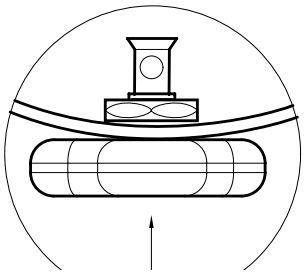
CLOSED POSITION



DETAIL
SAND BUCKET ASSEMBLY



OPEN POSITION



NOTE: Keep plug in "Closed position when using sand in tray. Open plug for draining water only.

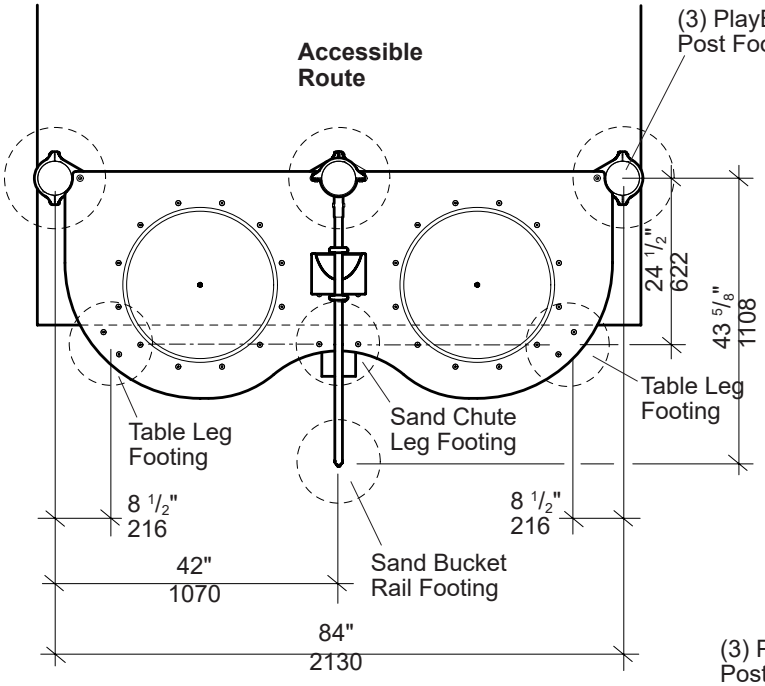
Sensory Play

136233 Elevated Sand Table

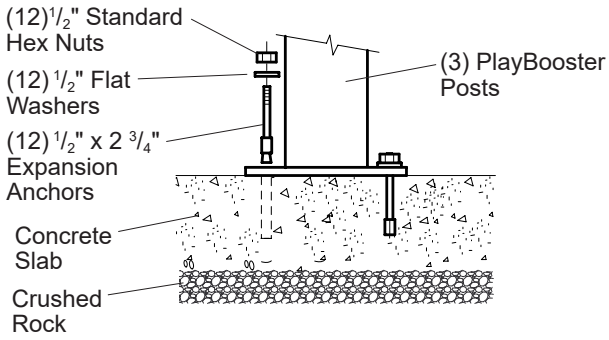
601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

landscape structures®

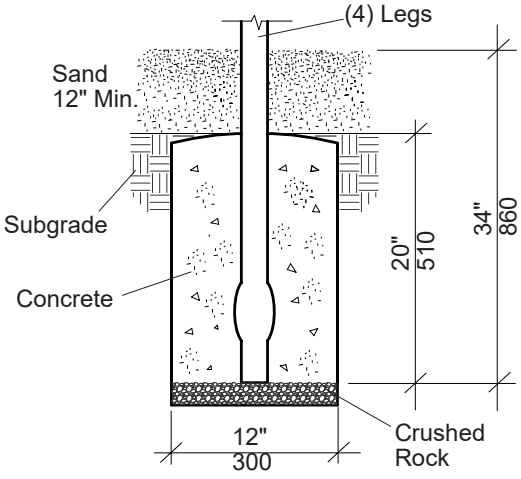
PLAN VIEW/FOOTING LAYOUT



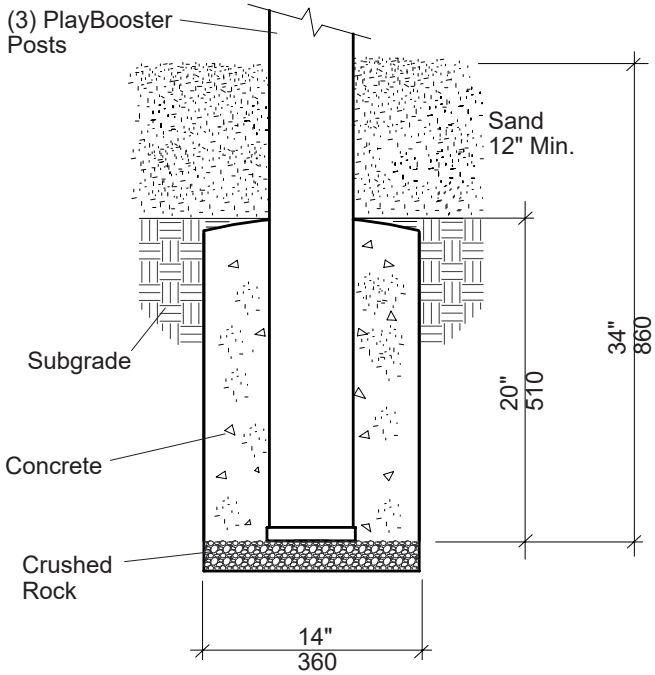
DETAIL
SURFACE MOUNT



DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



Sensory Play

136233 Elevated Sand Table

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

© 2021 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

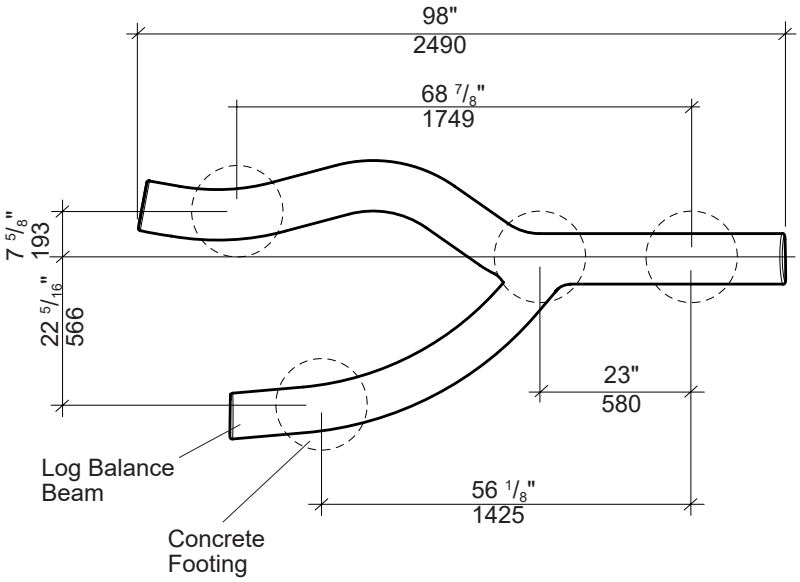
ISO 9001 Certified

SAFETY NOTE

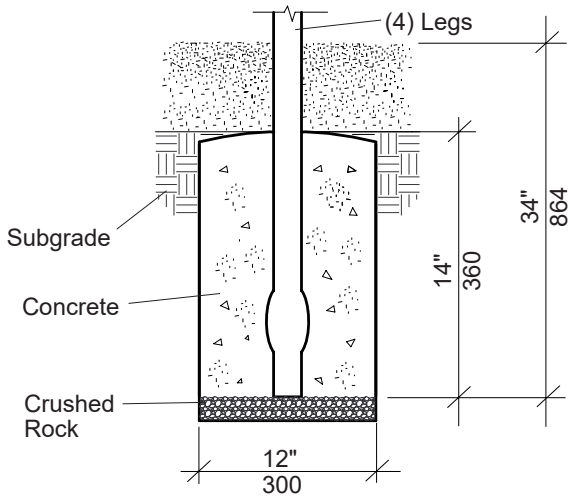
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

17559300

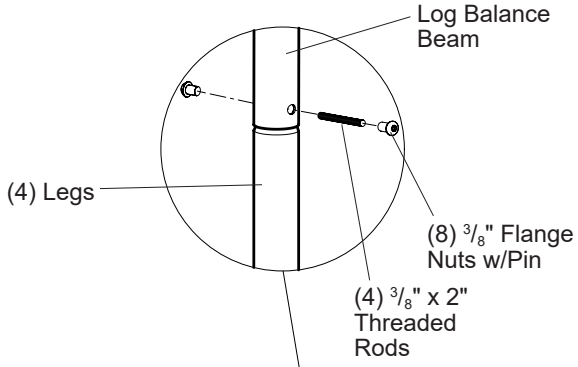
PLAN VIEW/FOOTING LAYOUT



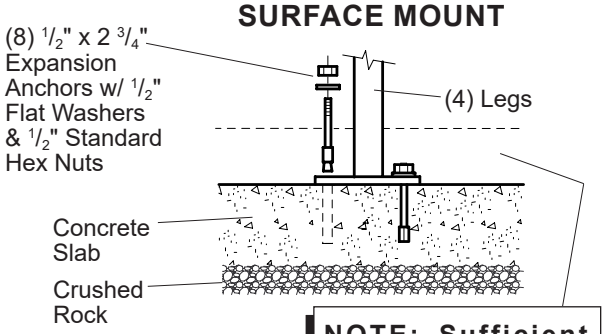
DETAIL
DIRECT BURY



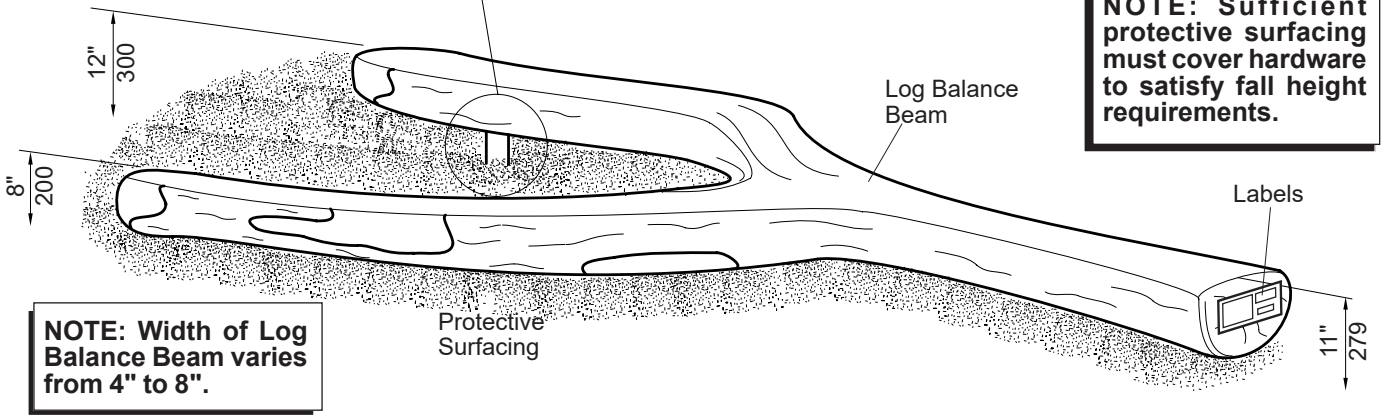
DETAIL
LEG ATTACHMENT



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

© 2020 by Landscape Structures. All rights reserved.

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.

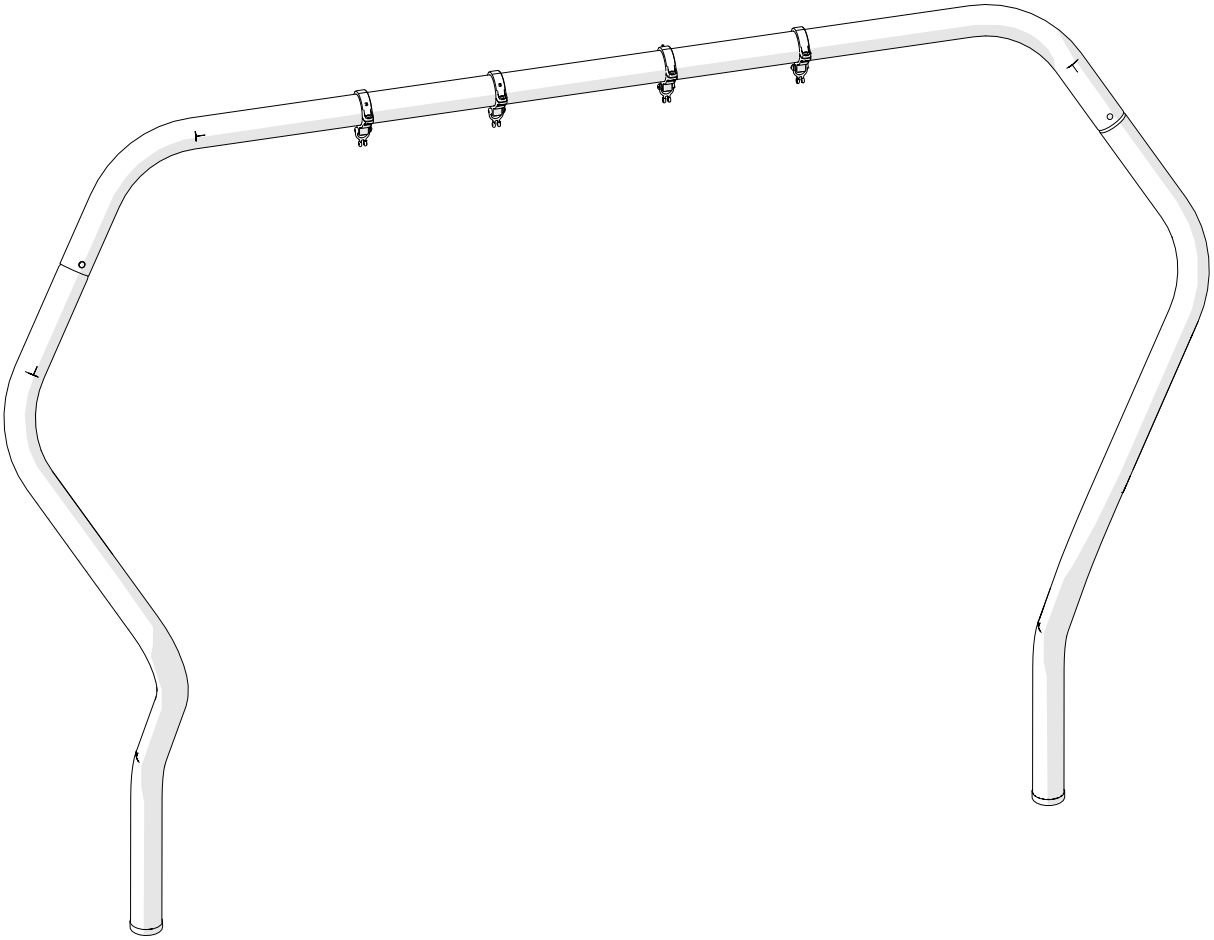
4) **NOTE: After installation if Touch-up/Repairs are needed, contact Landscape Structures at 1-888-574-4678.**

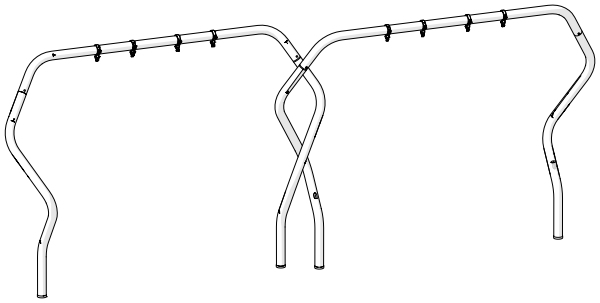
Specifications are subject to change without notice.

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

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

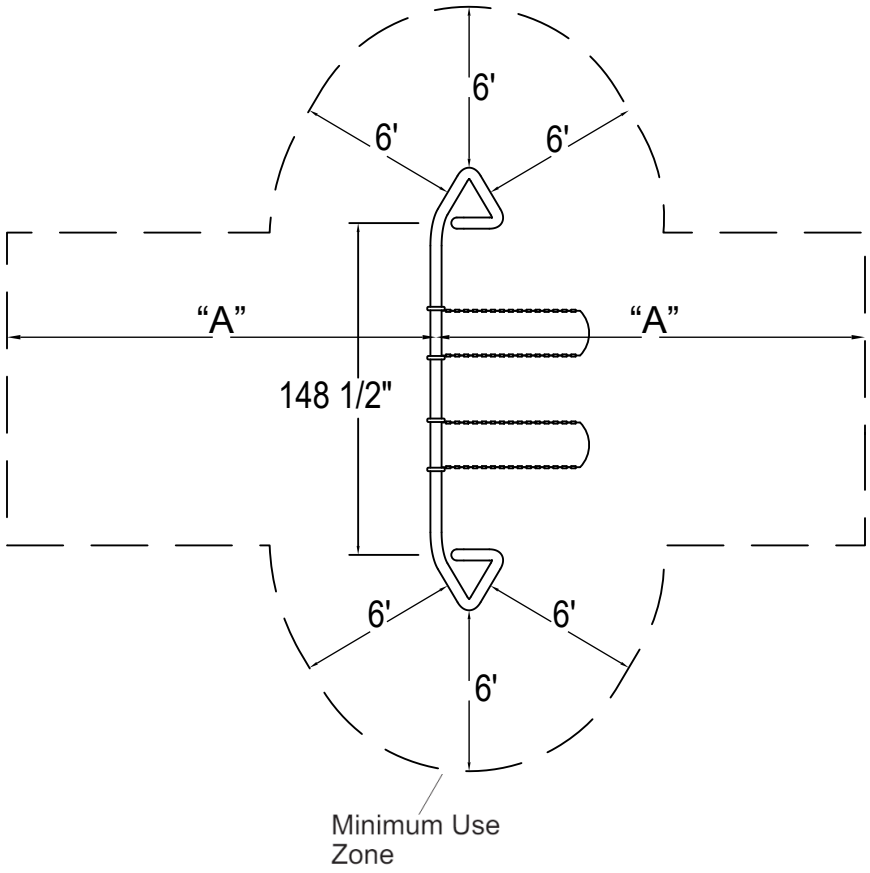
© 2024 By Landscape Structures. All rights reserved.

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

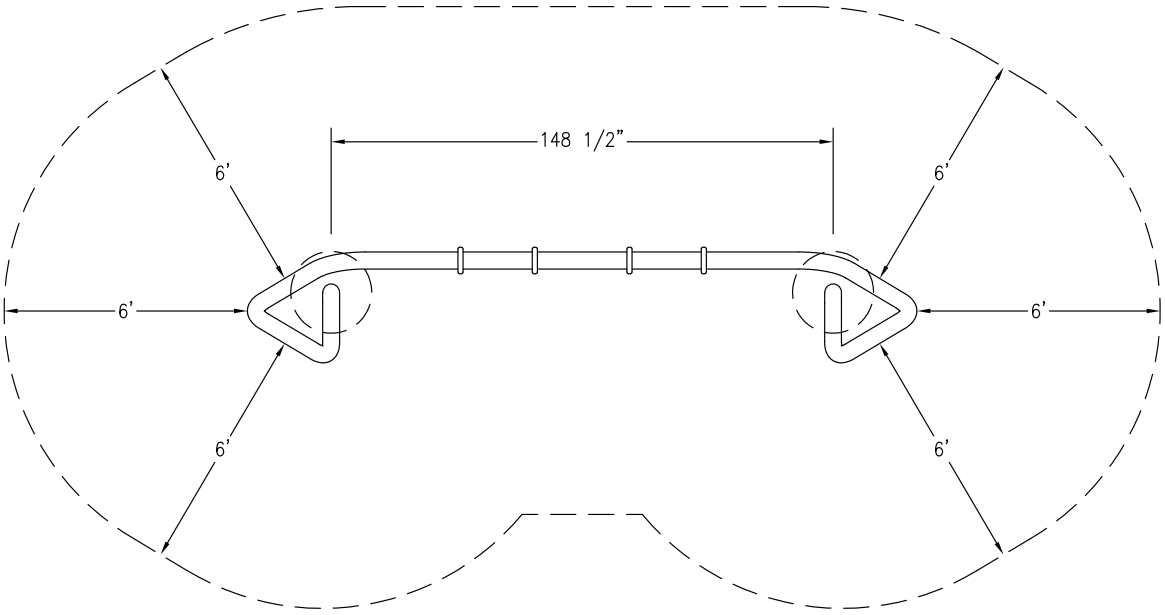
NOTE: Model numbers are for swing frames only, order swing seats with chains separately.

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

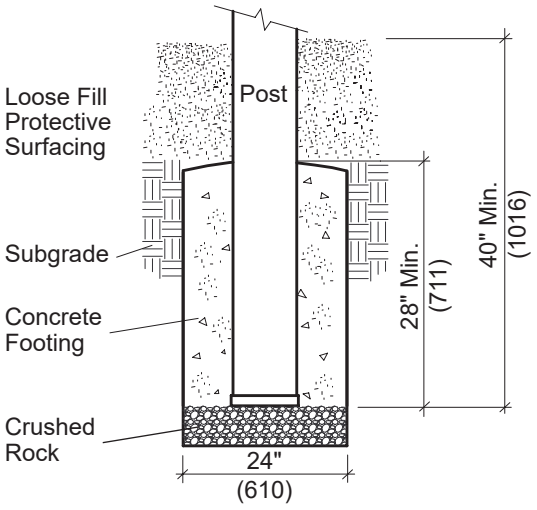
© 2024 By Landscape Structures. All rights reserved.

Document #31197800

FOOTINGS (SINGLE CONFIGURATION)

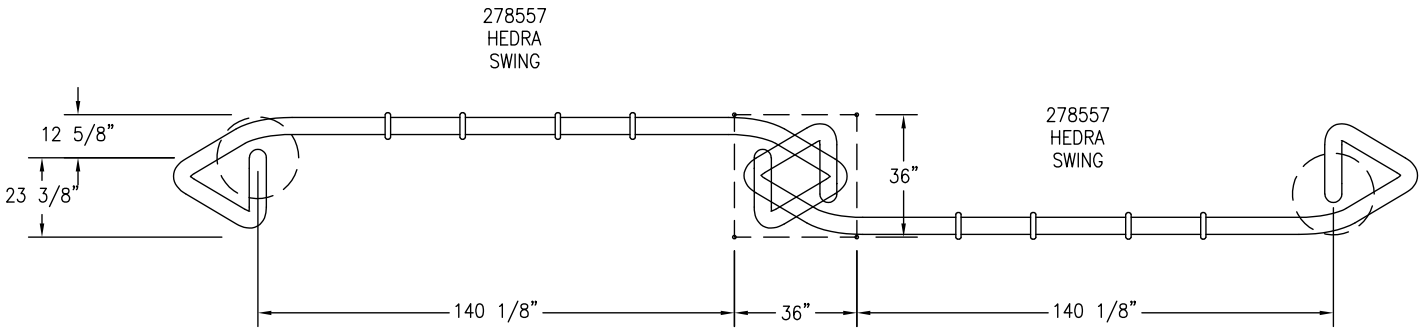


DETAIL
DIRECT BURY

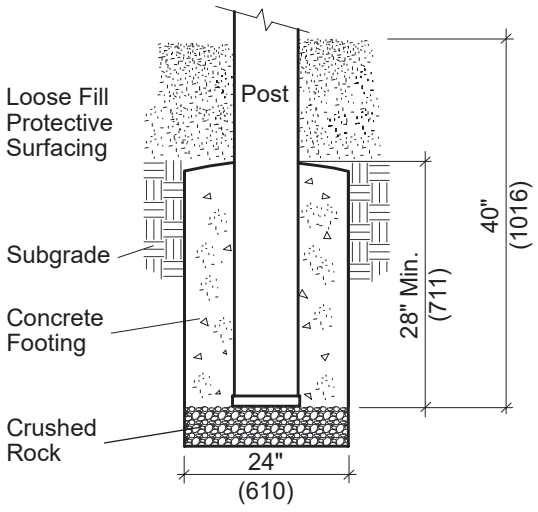


601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185
© 2024 By Landscape Structures. All rights reserved.

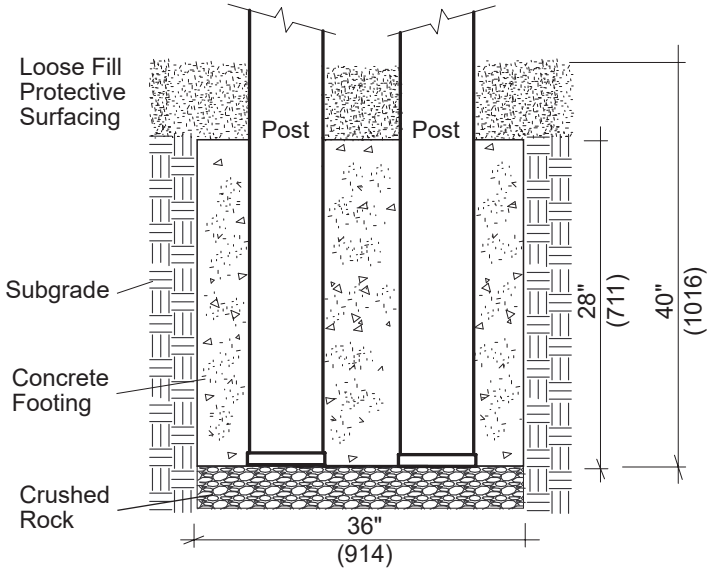
FOOTINGS (DOUBLE CONFIGURATION)



DETAIL
DIRECT BURY



DETAIL
DIRECT BURY



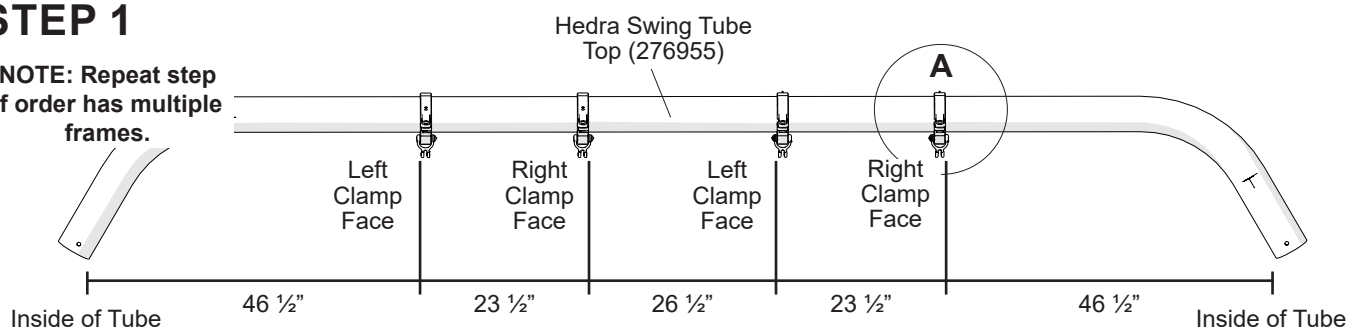
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2024 By Landscape Structures. All rights reserved.

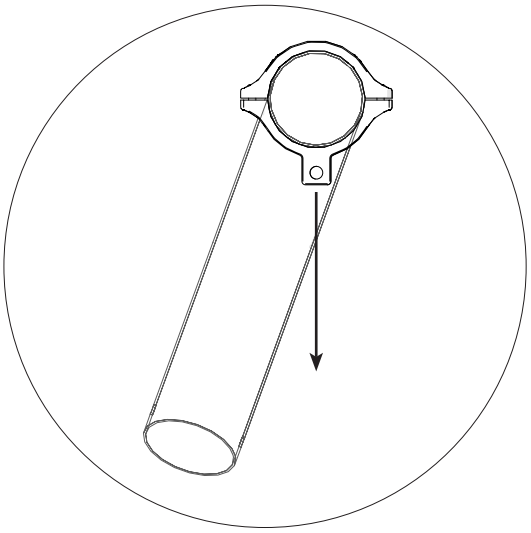
landscape structures®

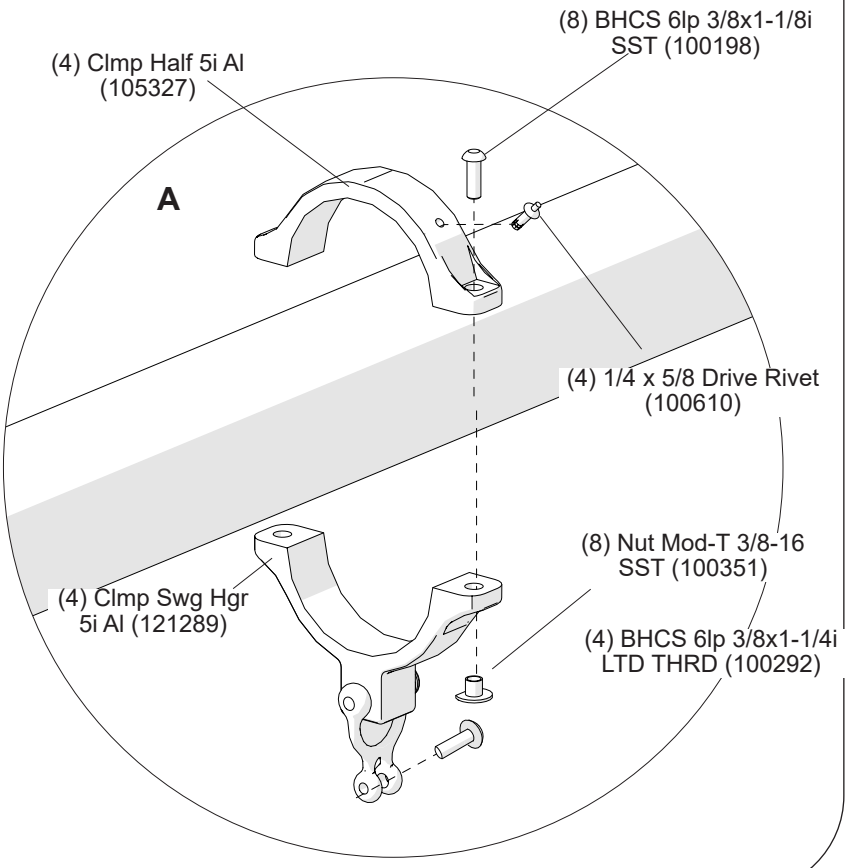
STEP 1

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

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

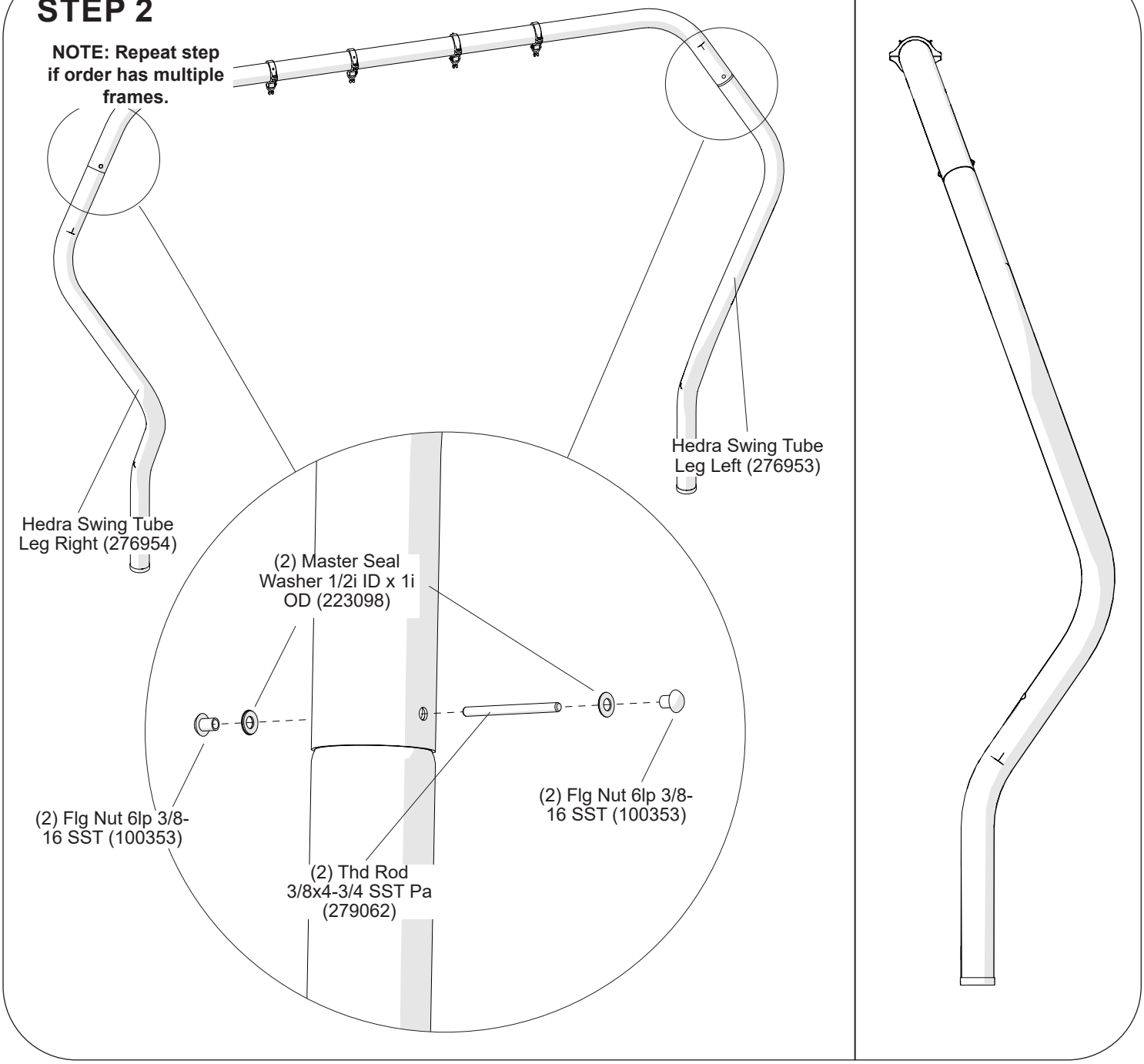
© 2024 By Landscape Structures. All rights reserved.

Document #31197800

landscape structures

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

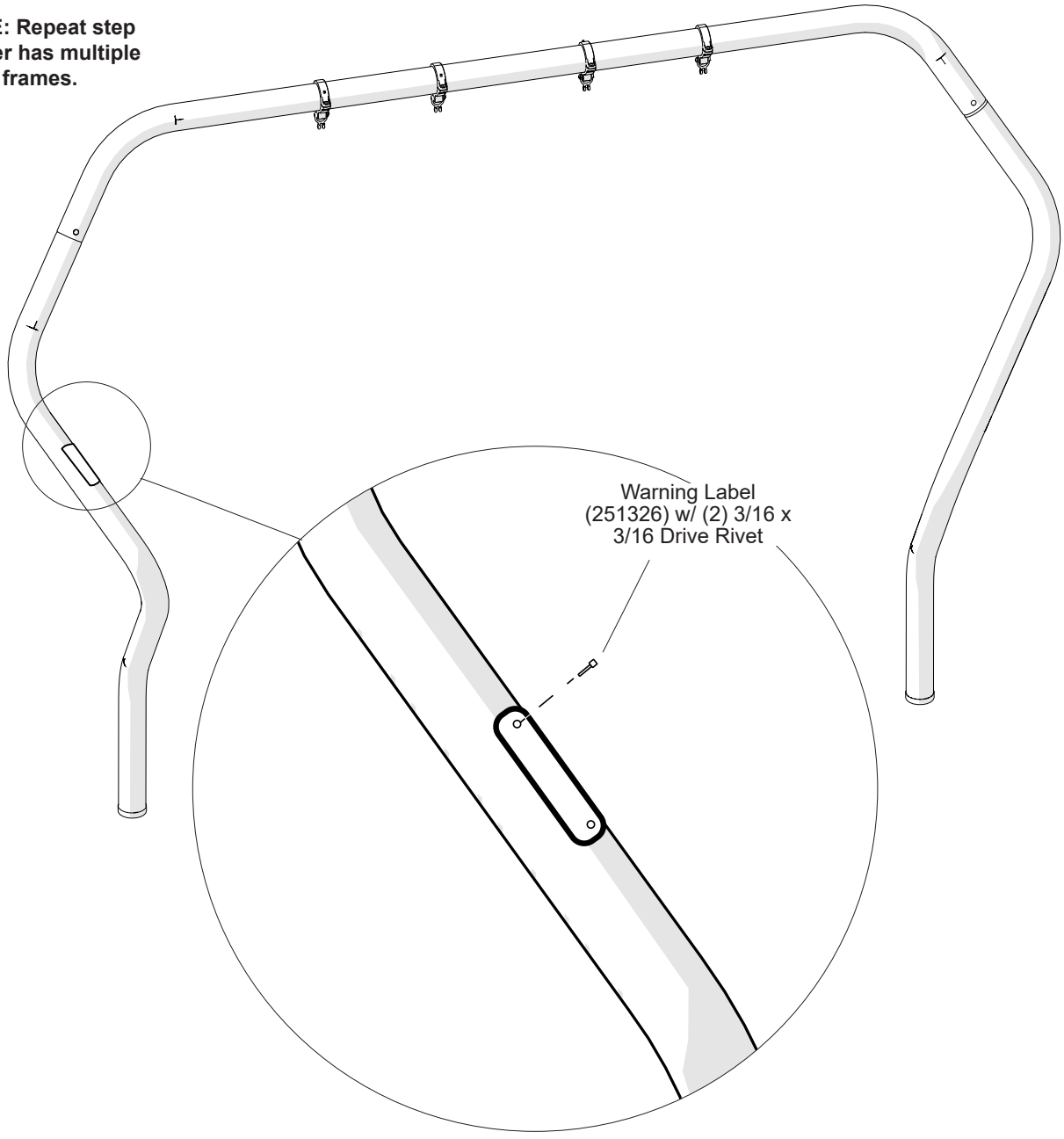
601 7th Street South, Delano, Minnesota 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

© 2024 By Landscape Structures. All rights reserved.

Document #31197800

STEP 3

NOTE: Repeat step if order has multiple frames.

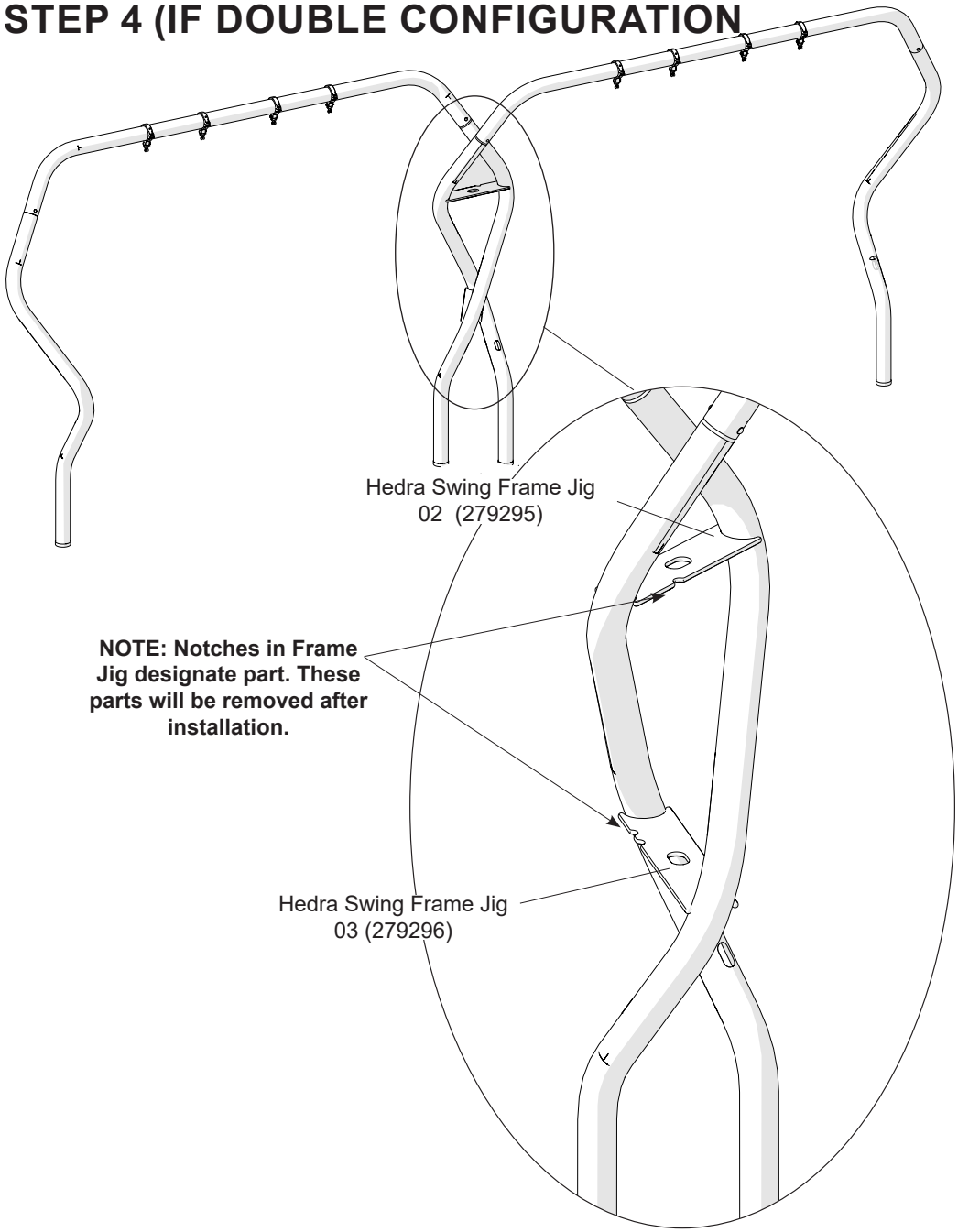


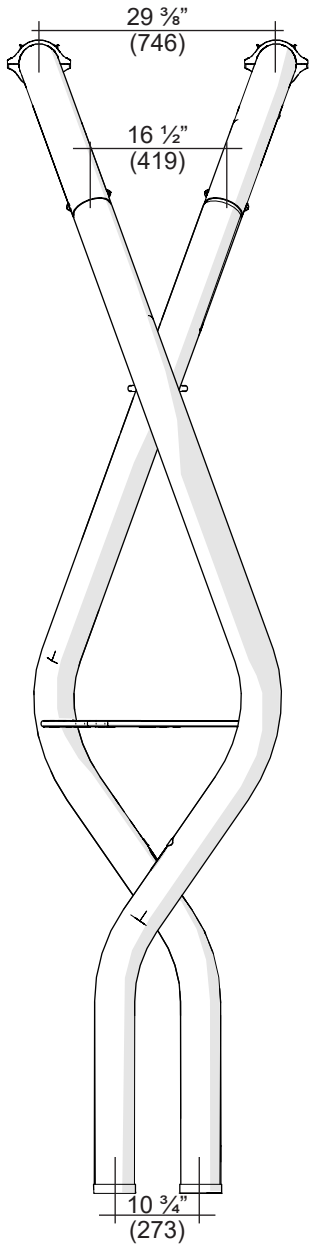
Part Number	Description	Qty.
251326	Warning Label	1
253266	3/16 x 3/16 Drive Rivet	2

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

© 2024 By Landscape Structures. All rights reserved.

STEP 4 (IF DOUBLE CONFIGURATION





Part Number	Description	Qty.
279295	Hedra Swing Frame Jig 02	1
279296	Hedra Swing Frame Jig 03	1

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

© 2024 By Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

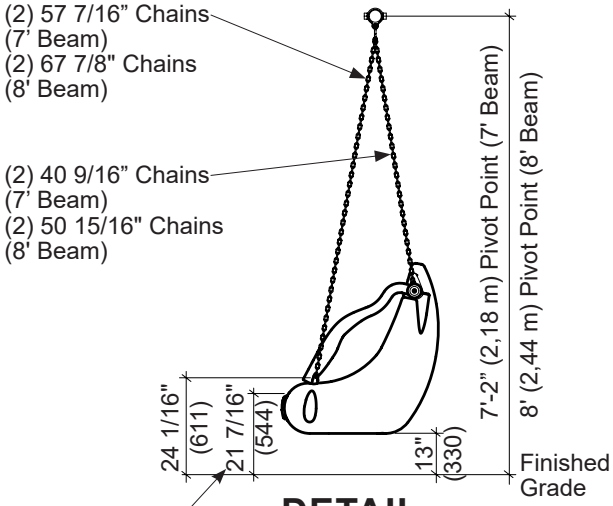
ISO 9001 Certified

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*.)

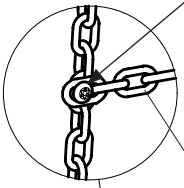
225542

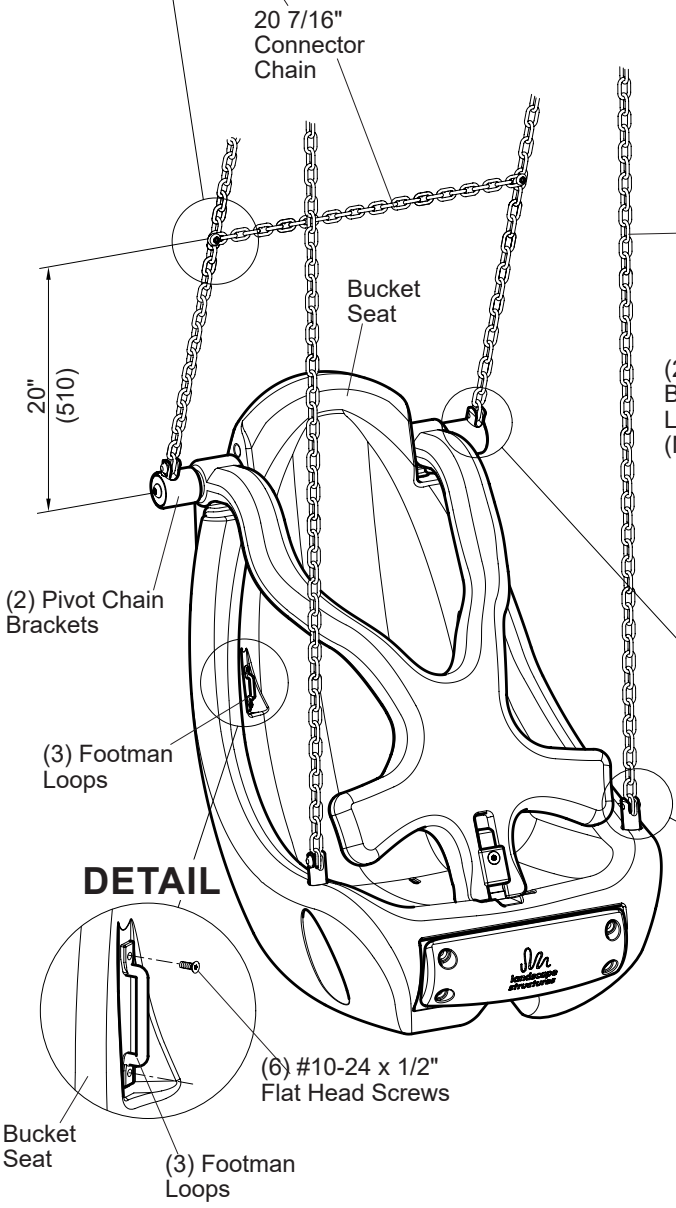
ELEVATION



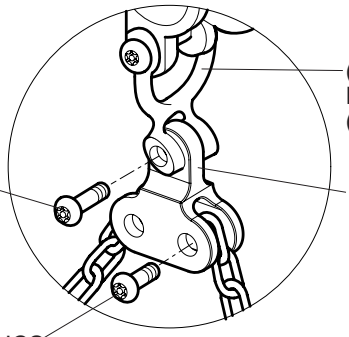
DETAIL

(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

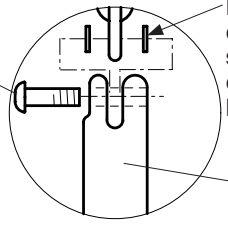




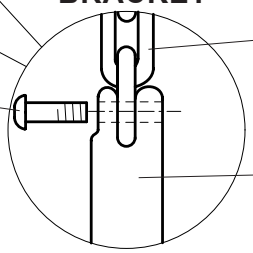
DETAIL
HANGER ASSEMBLY



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

© 2016 by Landscape Structures. All rights reserved.

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.

landscape structures®

ISO 14001 CERTIFIED

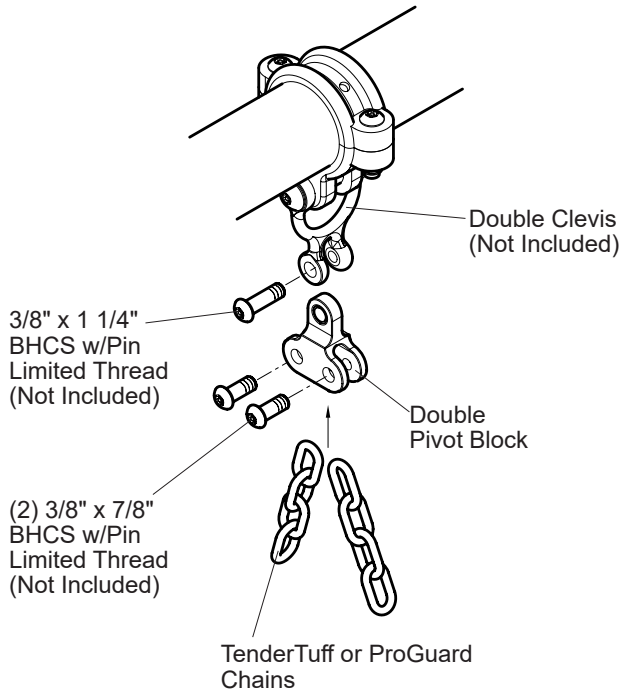
ISO 9001 Certified

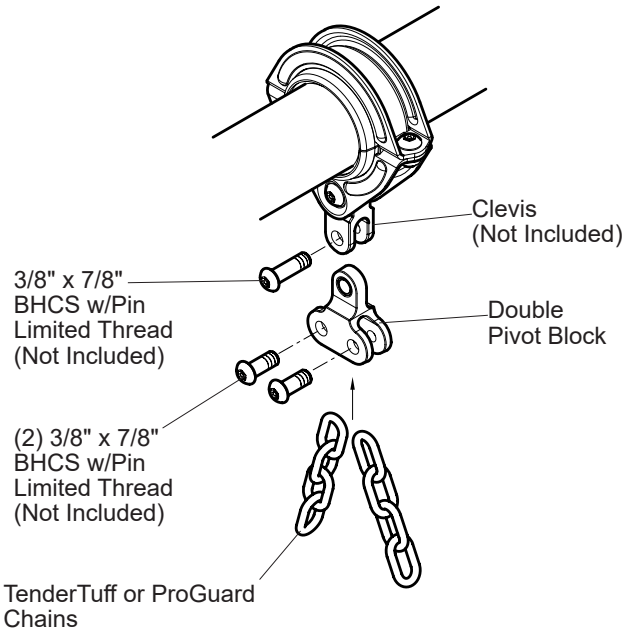
SAFETY NOTE

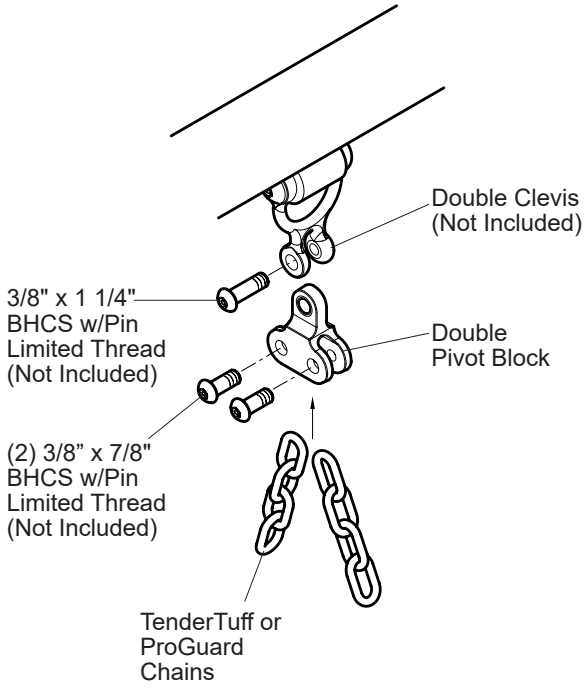
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

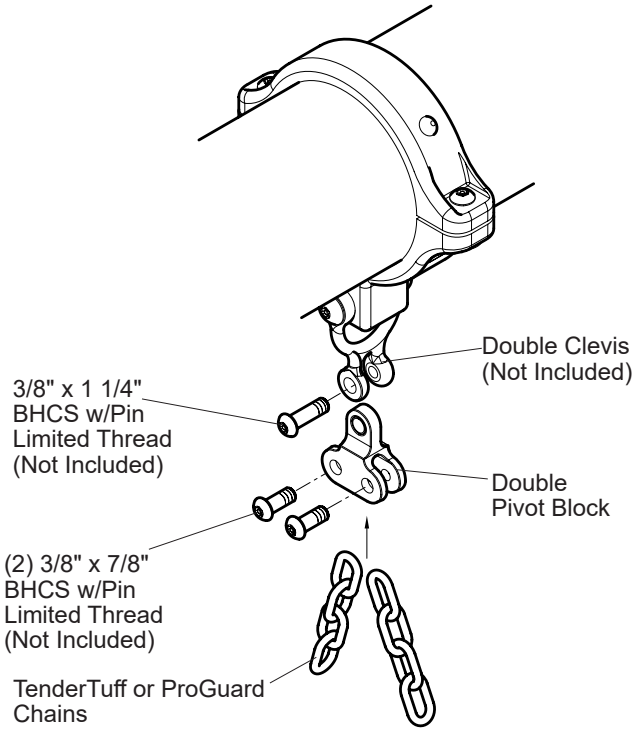
177462a

SWING HANGER OPTIONS









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

© 2016 by Landscape Structures. All rights reserved.

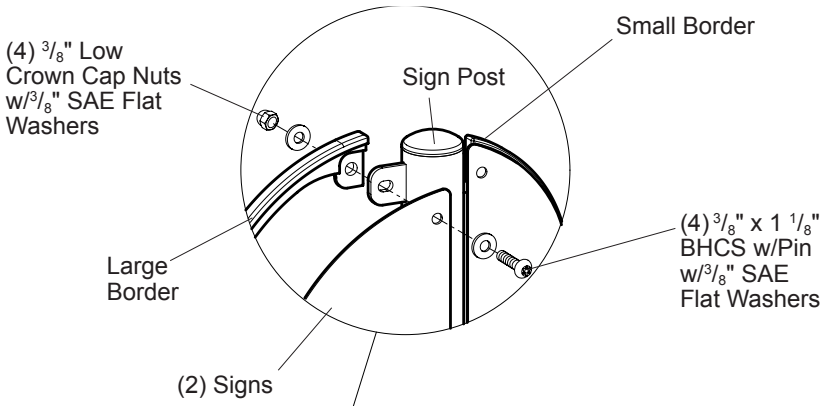
landscape structures®

ISO 14001 CERTIFIED

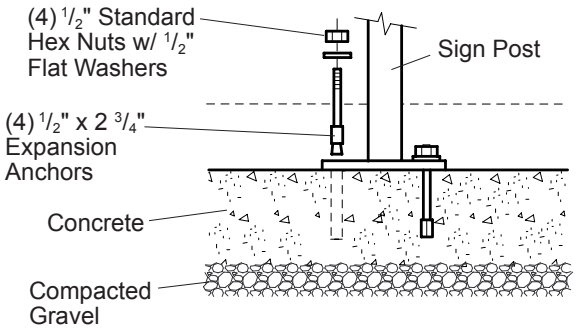
ISO 9001 Certified

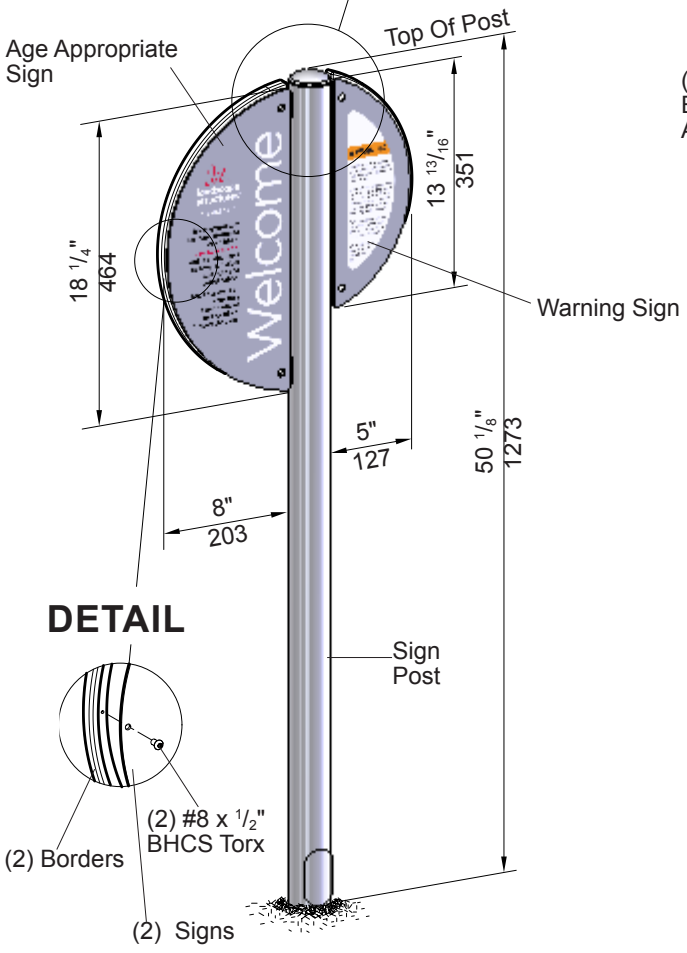
21325600

DETAIL
SIGN ATTACHMENT



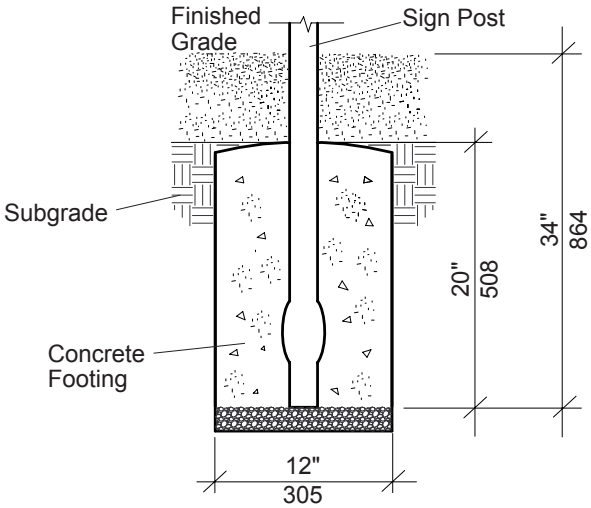
DETAIL
SURFACE MOUNT





DETAIL

DETAIL
DIRECT BURY FOOTING



Model 182503 - Landscape Structures Provided Welcome Sign
Model 182504 - Welcome Sign

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

© 2016 by Landscape Structures. All rights reserved.

landscape structures®

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

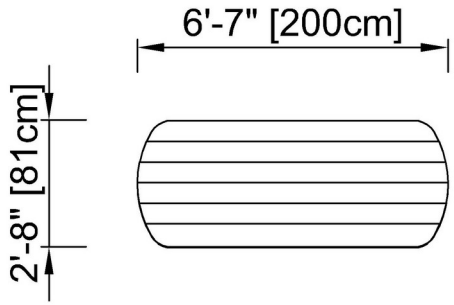
By Bureau Veritas HSE
www.bureauveritas.dk
+45 7731 1000

Data is subject to change without prior notice.

Gas Station with 2 Pumps

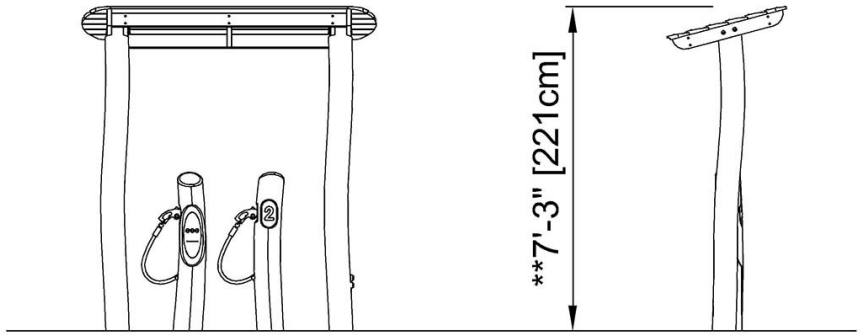
NRO513

* Max fall height | ** Total height | *** Safety surfacing area



NRO513
**7'-3" / 221cm

* Max fall height | ** Total height



NRO513

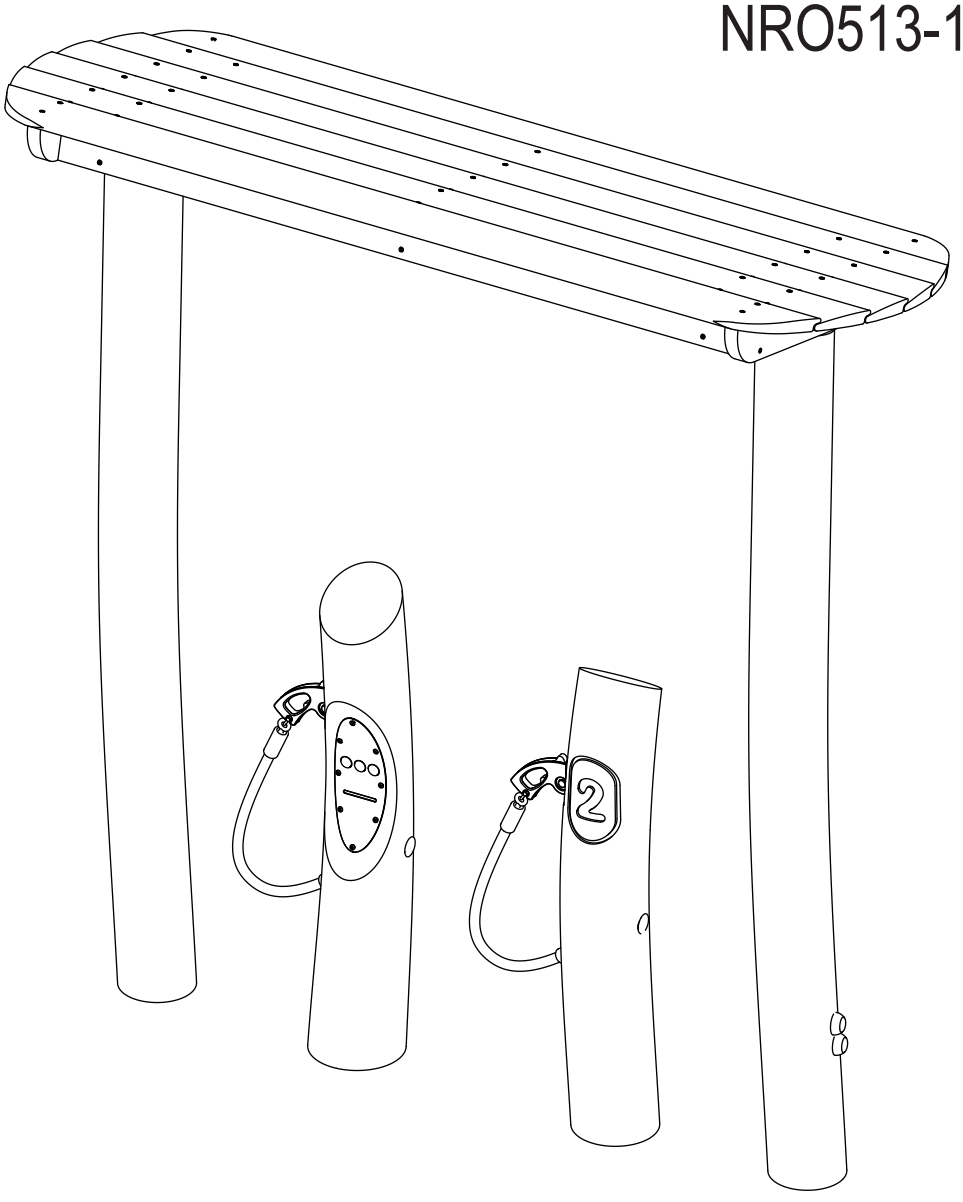
Click to see TOP VIEW

Click to see SIDE VIEW

Data is subject to change without prior notice.

KOMPAN

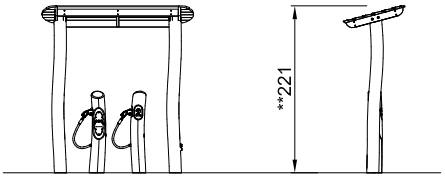
NRO513-0012
NRO513-1001/FSC
NRO513-1011/FSC
NRO513-1012
NRO513-1021
NRO513-1031
NRO513-1032



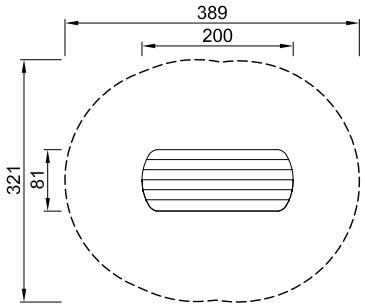
VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

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.

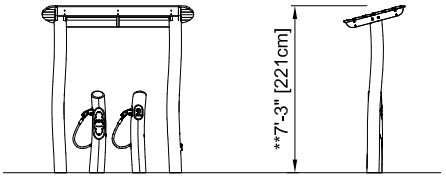
Внимание: Зона безопасности указана в соответствии с EN 1176/AS4685. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

Huom: Tämän piirustuksen turva-alue on EN1176/AS4685-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

Copyright©KOMPAN A/S

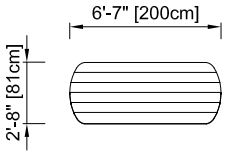
VNRO513 20150924 PetrJu

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



NRO513
**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.

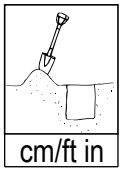
Obs.: Det viste sikkerhedsareal er i overensstemmelse med ASTM 1487. I nogle lande kan der være krav om større sikkerhedsareal. Kontakt venligst vores konsulent ved tvivlsspørgsmål.

Внимание: Зона безопасности указана в соответствии с ASTM 1487. Возможны случаи, когда требуется увеличение зоны безопасности. В затруднительных случаях обращайтесь к Вашему консультанту.

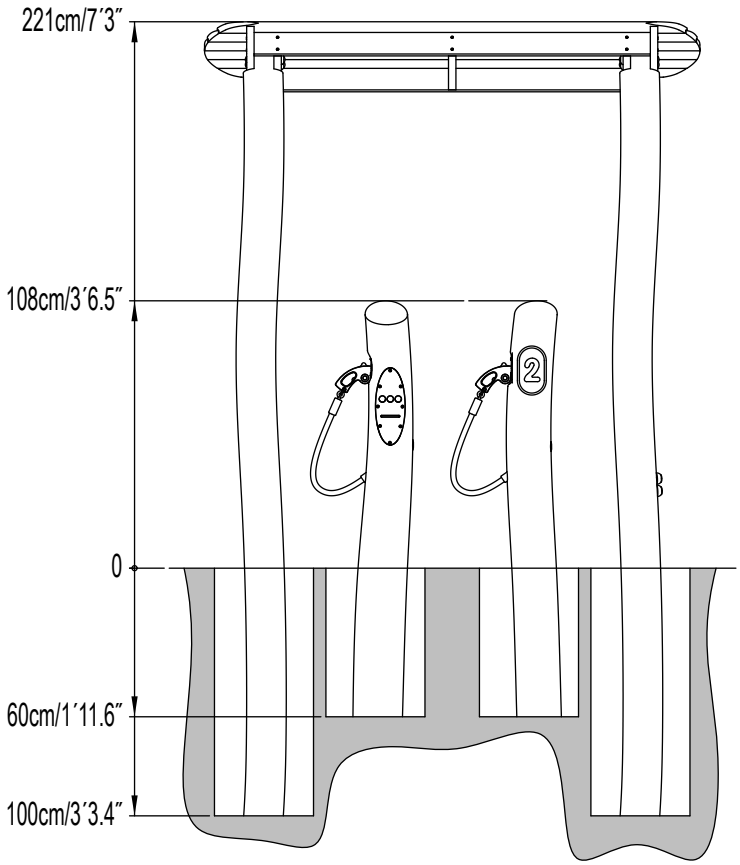
Huom: Tämän piirustuksen turva-alue on ASTM 1487-normin mukainen. Joissain sijoituspaikoissa saatetaan edellyttää suurempaa turva-aluetta. Jos olet epävarma, otathan yhteyttä KOMPANiin.

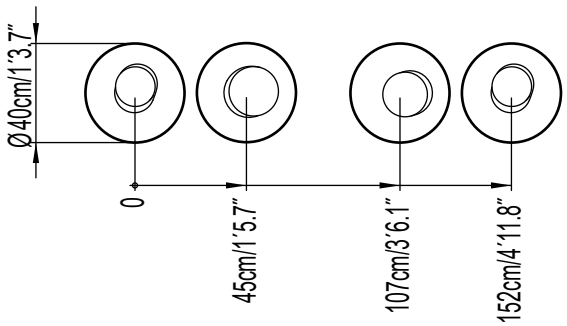
Copyright©KOMPAN A/S

VNRO513 20150924 PetrJu



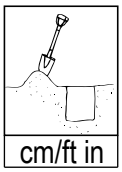
NRO513-1001/FSC
NRO513-1011/FSC
NRO513-1021
NRO513-1031



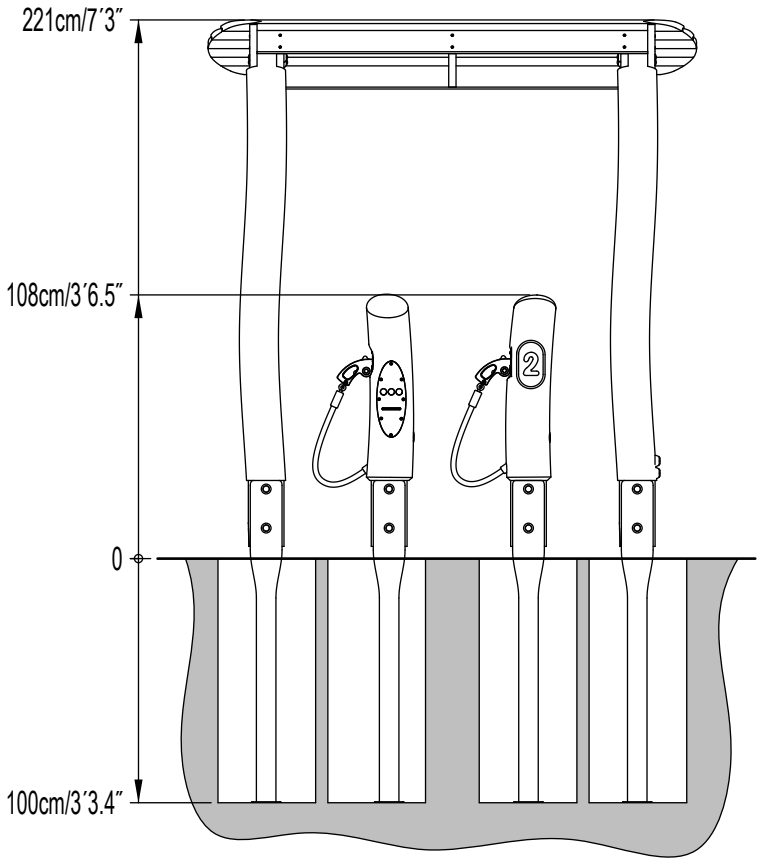


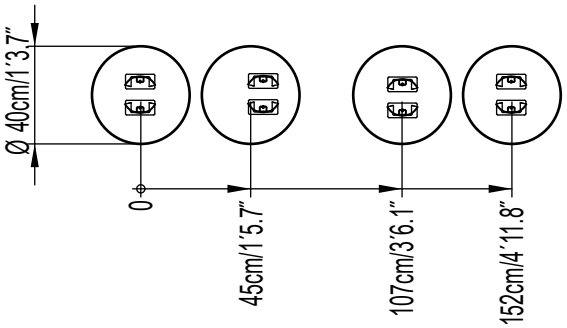
VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S



NRO513-1012
NRO513-1032





VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

A



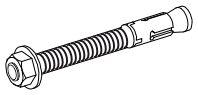
210100408025

B



201301008016

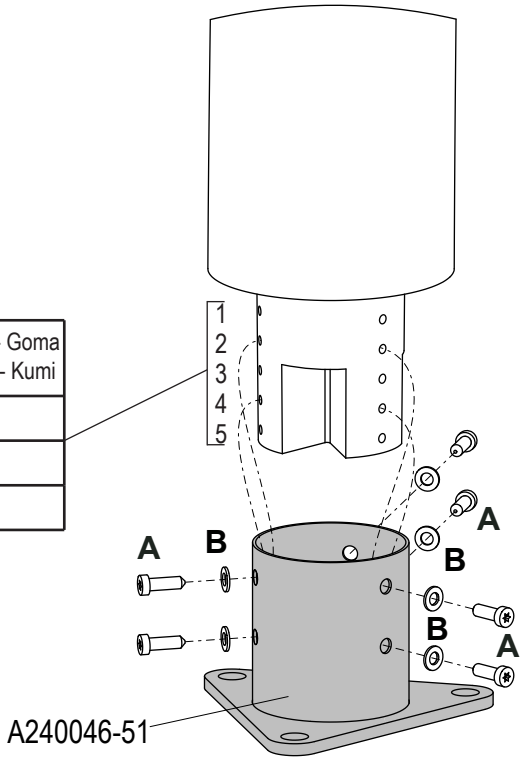
C

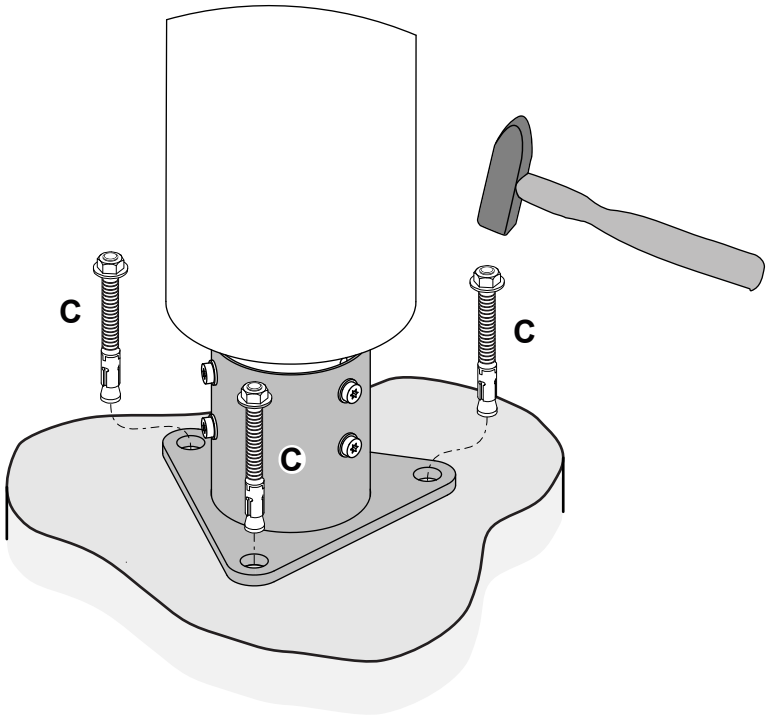


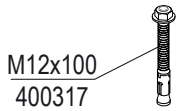
400317

NRO513-0012

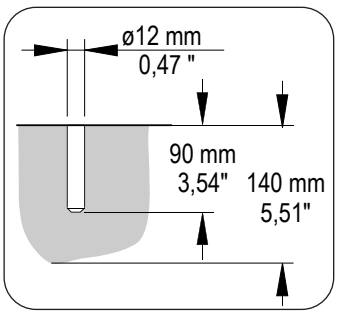
Rubber - Sol couté - Gummi - Goma Borracha - Gomma - Резина - Kumi	
35mm [1.4″]	1,3
55mm [2.2″]	2,4
75mm [3″]	3,5







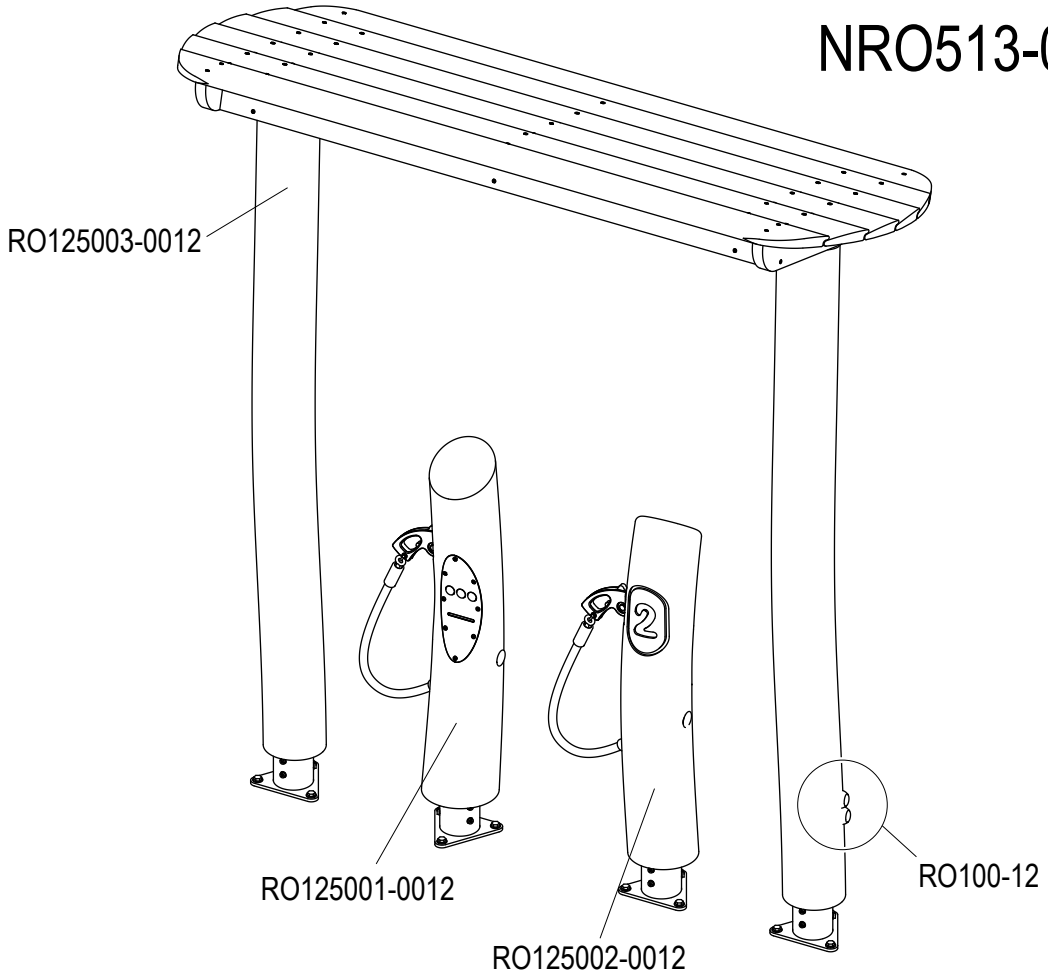
400317 - 12 mm:



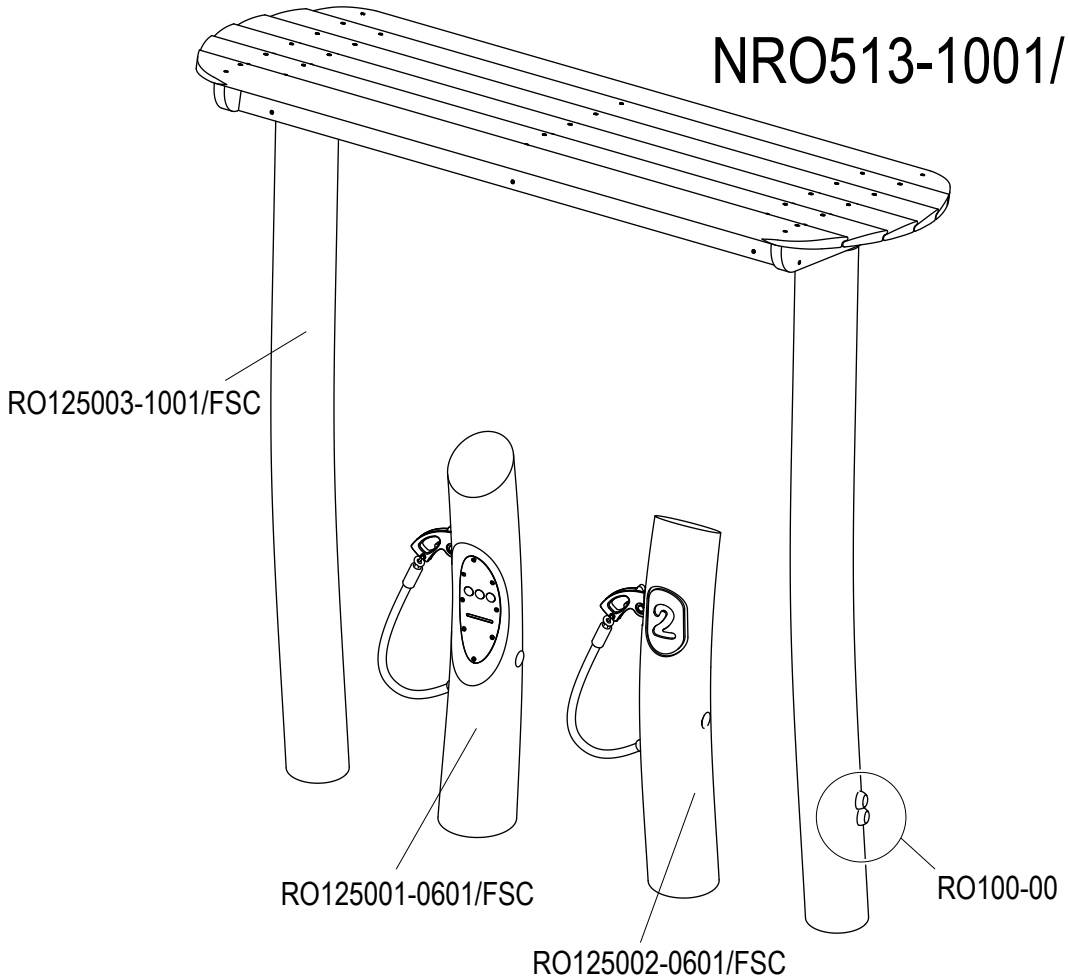
VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

NRO513-0012



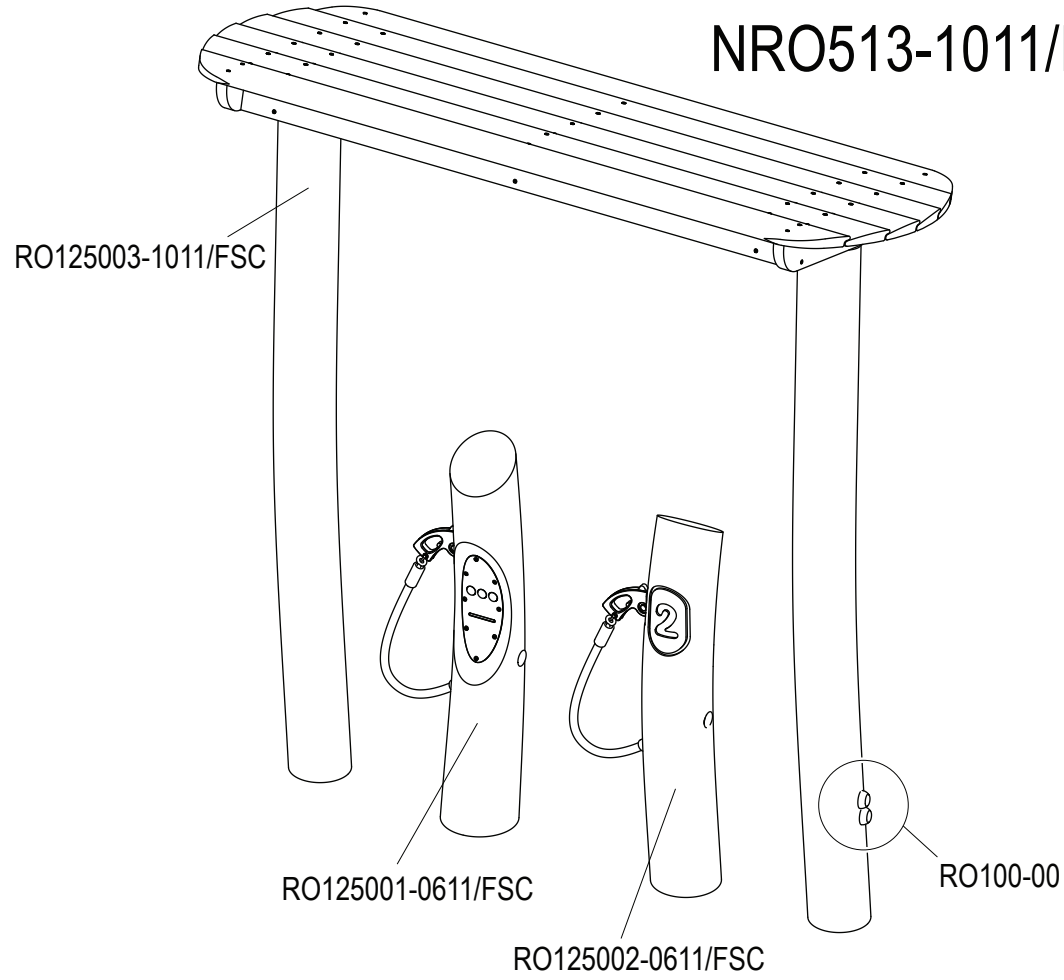
NRO513-1001/FSC



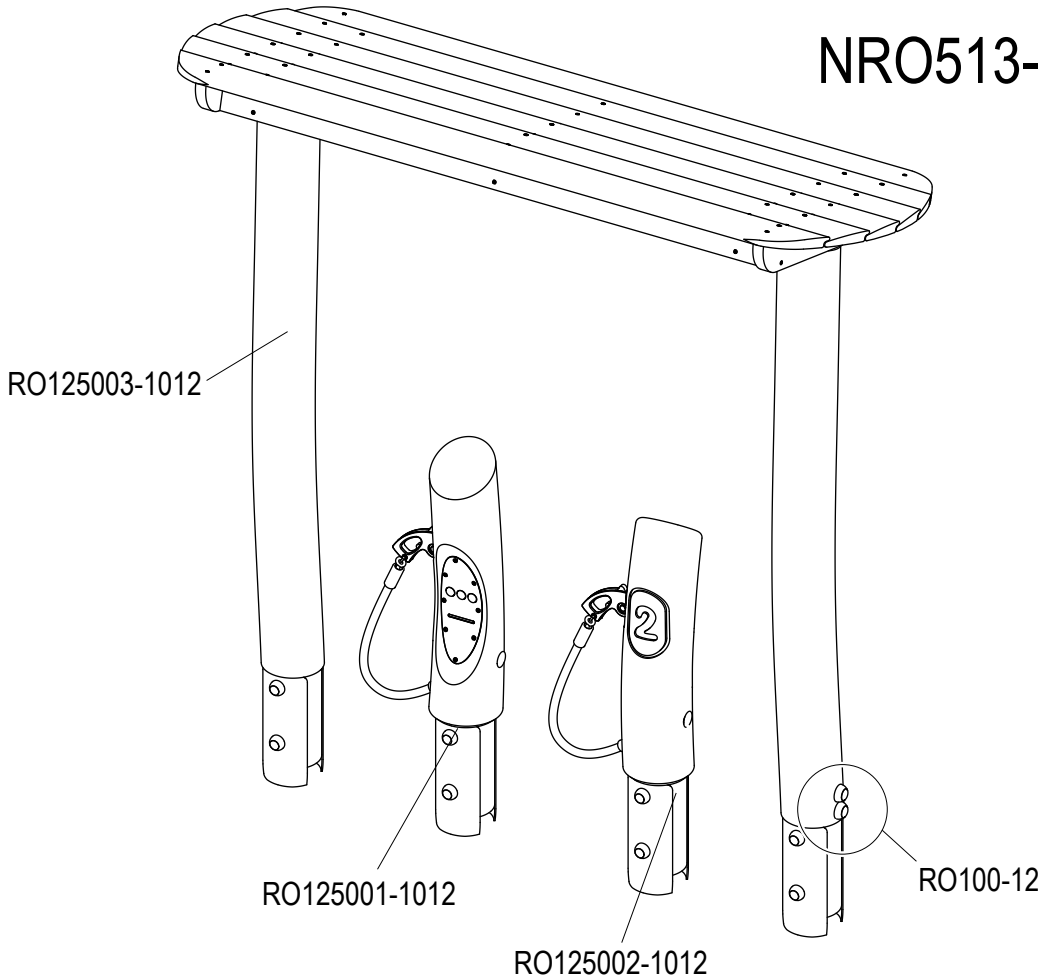
VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

NRO513-1011/FSC



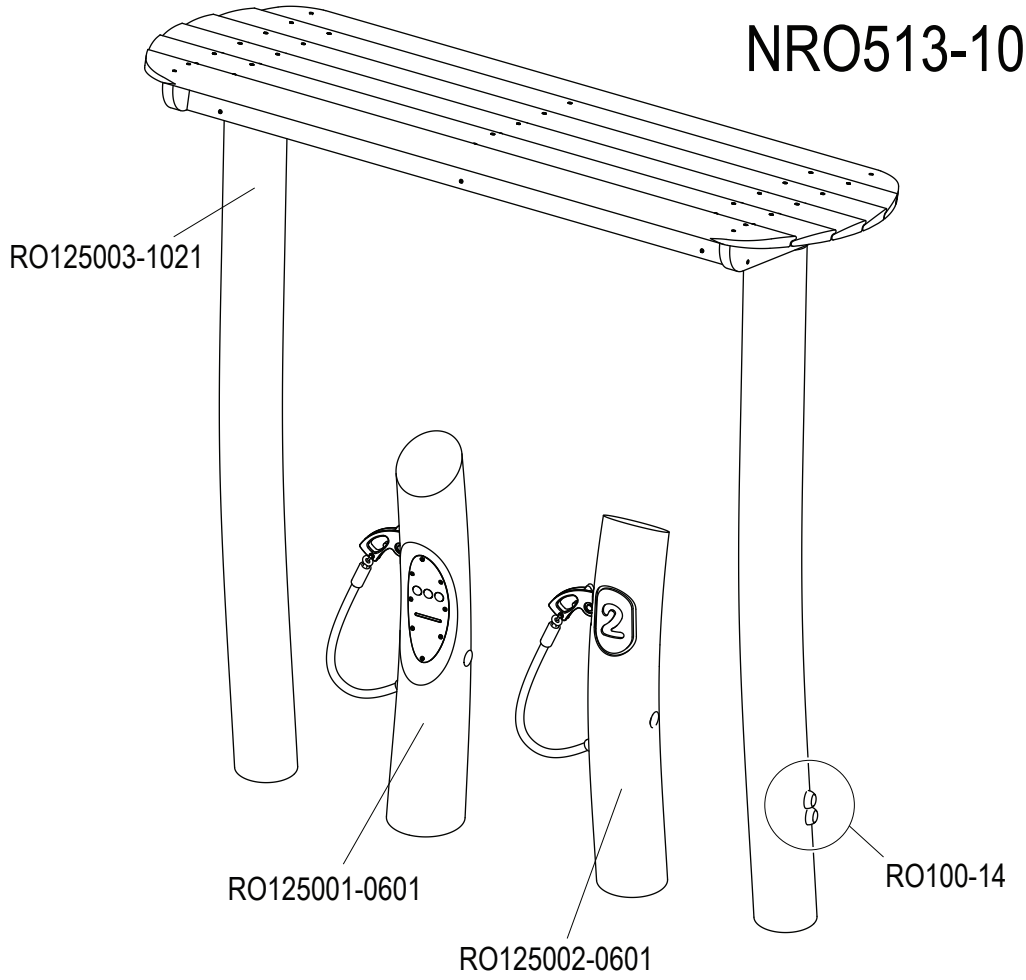
NRO513-1012



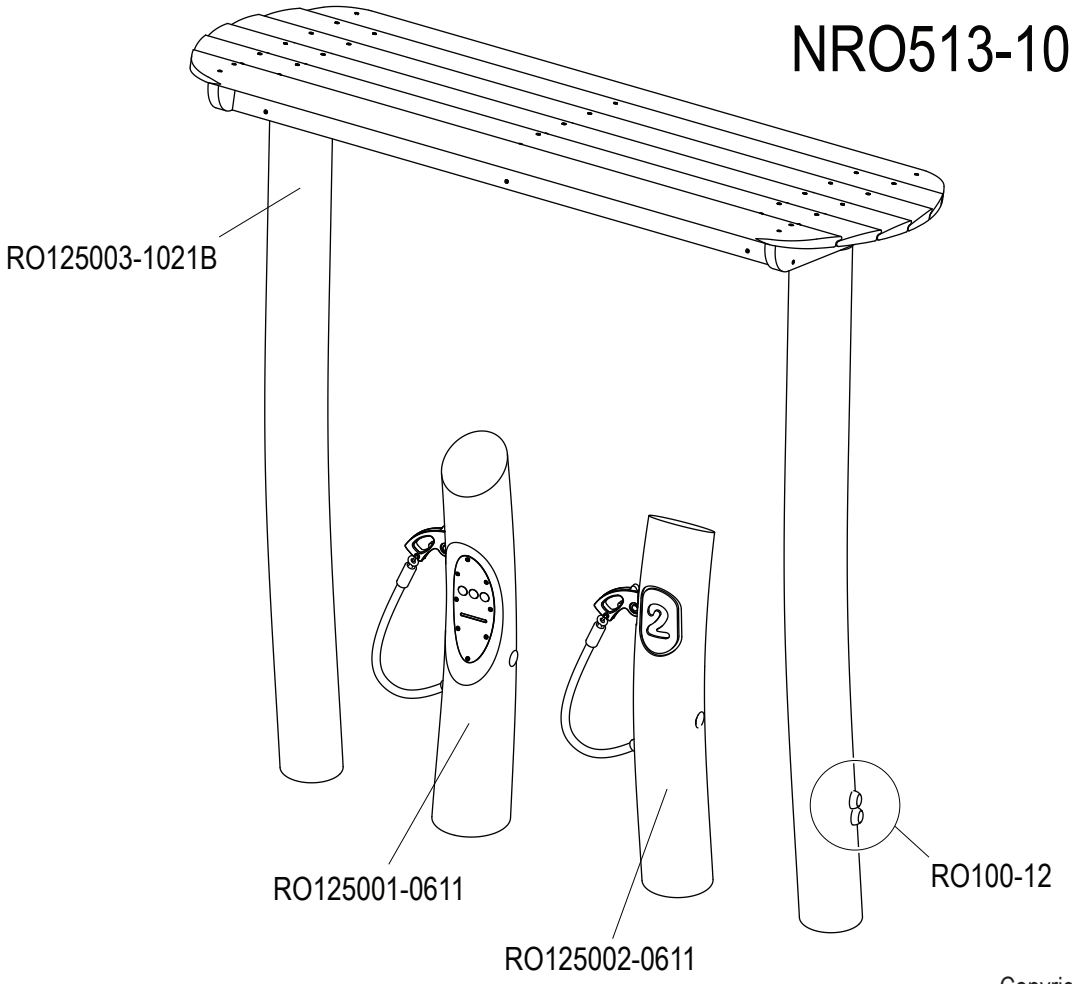
VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

NRO513-1021



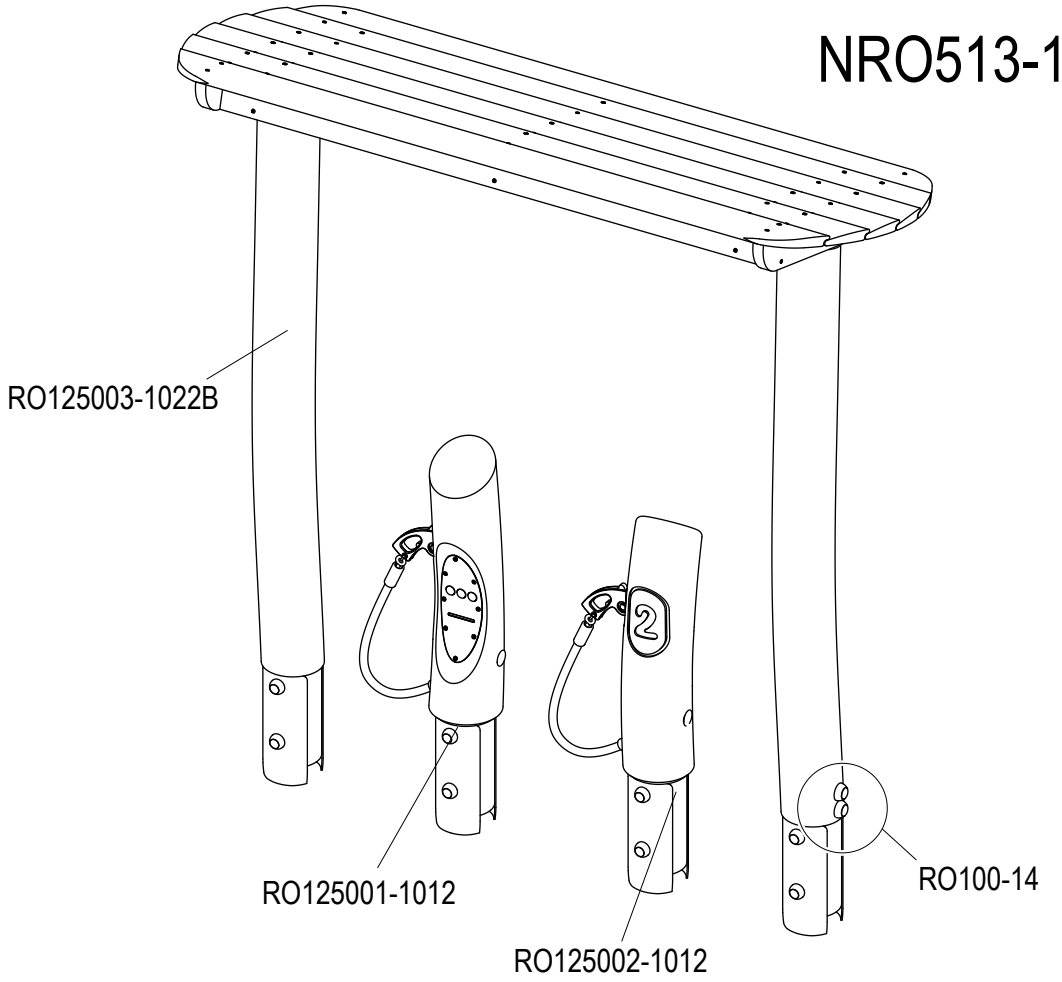
NRO513-1031



VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

NRO513-1032



VNRO513 20150924 PetrJu

Copyright©KOMPAN A/S

SECTION 11 68 13
PLAYGROUND EQUIPMENT AND STRUCTURES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section includes installation of owner-furnished, contractor installed (OFCI) playground equipment and amenities, including:
   1. Playground equipment
   2. Playground signage
B. Related Requirements:
   1. Section 033000 "Cast-in-Place Concrete"
   2. Section 321816.13 “Playground Protective Surfacing”

1.03 DEFINITIONS

A. Definitions in ASTM F1487 apply to Work of this Section.
B. IPEMA: International Play Equipment Manufacturers Association.

1.04 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.05 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer manufacturer and testing agency.
B. Product Certificates: For each type of playground equipment.
C. Sample Warranty: For manufacturer's special warranties.

1.06 CLOSEOUT SUBMITTALS

A. Maintenance Data: For playground equipment and finishes to include in maintenance manuals.

1.07 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by the manufacturer.
   1. Installers must have a current manufacturer’s Factory Certification and at least 1 staff member CPSI certified. Installers must have completed projects of this size from the manufacturer in the past 2 years.

1.08 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of playground equipment that fail in materials or workmanship within specified warranty period.
   1. Failures include, but are not limited to, the following:
      a. Structural failures.
      b. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
   2. Warranty Period: Per specific manufacturer.

PART 2 - PRODUCTS

2.01 OWNER-FURNISHED, CONTRACTOR INSTALLED PLAY EQUIPMENT

1. Manufacturer:

a. Landscape Structures- Available from RecWest. Contact Scott Anderson at 818-735-3838. scott@recwest.com
   1) Landscape Structures Color: Palette AJ (TK/K playground)
   2) Landscape Structures Color: Palette AD (1st-5th playground)
b. TK/K Play Structure, Item E-1 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #1187356-02-03
c. TK/K Saddle Spinner, Item E-2 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #152179.
d. TK/K Elevated Sand Table, Item E-3 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #136233.
e. TK/K We-Saw, Item E-4 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #186490
f. TK/K Hedra Swing, Single Bay with (2) Molded Bucket Inclusive Seats, Item E-5 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #278557 and #218671.
g. 1st-5th Oodle Swing Double, Item E-7 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #210117
h. 1st-5th We-Go-Round with Space Theme digifuse panels, Item E-8 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #249558
i. 1st-5th Double Bay Single Post Swing with (2) belt swings and (2) molded bucket inclusive seats, Item E-9 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #177332, #177333, #174018 and #177351
j. ~~1st-5th Quantis 8.2 with Alpine Slide, Item E-10 on Sheet LC-0.01 of the Contract Plans.~~
   ~~1) Model: #CP020428~~
k. 1st-5th Large Play Structure, Item E-11 on Sheet LC-0.01 of the Contract Plans.
   1) Model: #1187356-0203

2. Manufacturer:
   a. Kompan. Contact James Collis at 805.795.3721. jamcol@kompan.com
      1) Kompan Structures Color: Robinia Wood.
   b. TK/K Gas Station with 2 Pumps, Item E-6 on Sheet LC-0.01 of the Contract Plans.
      1) Model: #NRO513

2.02 OWNER-FURNISHED, CONTRACTOR INSTALLED AMENITIES

1. Manufacturer:
   a. Landscape Structures- Available from RecWest. Contact Scott Anderson at 818-735-3838. scott@recwest.com
      1) Landscape Structures Color: Palette AJ (TK/K playground)
      2) Landscape Structures Color: Palette AD (1st-5th playground)
   b. TK/K Welcome Signage, Item A-1 on Sheet LC-0.01 of the Contract Plans.
      1) Model: #182503.
   c. 1st-5th Welcome Signage, Item A-2 on Sheet LC-0.01 of the Contract Plans.
      1) Model: #182503
2. Manufacturer:
   a. Tuff Shed Ventura- 805-650-1830
   b. 10'x12' Tuff Shed.

2.03 CONTRACTOR FURNISHED AND INSTALLED EQUIPMENT

1. Manufacturer:
   a. PW Athletic Mfg. Co. Contact: 866-402-2893. www.pwathletic.com
   b. Tetherball Post with ball and ground sleeve, Item A-3 on Sheet LC-0.01 of the Contract Plans.
      1) Model: #2221-10 and #8301-24.

2.04 **OWNER FURNISHED AND MANUFACTURER INSTALLED EQUIPMENT**

1. **Manufacturer:**
   a. **Landscape Structures- Available from RecWest. Contact Scott Anderson at 818-735-3838. scott@recwest.com**
      1) Landscape Structures Color: Palette AD (1st-5th playground)
   b. **1st-5th Quantis 8.2 with Alpine Slide, Item E-10 on Sheet LC-0.01 of the Contract Plans.**
      1) Model: #CP020428

2.05 FABRICATION

A. Factory Assembly: Factory assemble components to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

2.06 CAST-IN-PLACE CONCRETE

1. Concrete Materials and Properties: Class A per Section 033000 "Cast-in-Place Concrete"

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for earthwork, subgrade elevations, surface and subgrade drainage, and other conditions affecting performance of the Work.
   1. Do not begin installation before final grading required for placing playground equipment and protective surfacing is completed.
B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

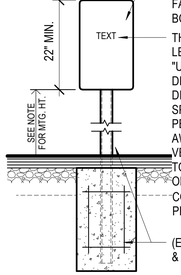
A. Comply with manufacturer's written installation instructions for each equipment type unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated.
   1. Maximum Equipment Height: Coordinate installed fall heights of equipment with finished elevations and critical-height values of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that playground equipment elevations comply with requirements for each type and component of equipment.
B. Post and Footing Excavation: Excavate holes for posts and footings as indicated in firm, undisturbed or compacted subgrade soil.
C. Post Set with Concrete Footing: Comply with Section 033000 "Cast-in-Place Concrete" for measuring, batching, mixing, transporting, forming, and placing concrete.
   1. Set equipment posts in concrete footing. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at the correct angle, alignment, height, and spacing.
      a. Place concrete around posts and vibrate or tamp for consolidation. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

2. Embedded Items: Follow equipment manufacturer's written instructions and drawings to ensure correct installation of anchorages for equipment.
3. Finishing Footings: Smooth top, and shape to shed water.

3.03 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
B. Playground equipment items will be considered defective if they do not pass tests and inspections.
C. Prepare test and inspection reports.
D. Notify Architect and Owner 48 hours in advance of date(s) and time(s) of testing and inspection.

END OF SECTION 11 68 13



SIGN TO BE REFLECTORIZED WHITE ON DARK BLUE BACKGROUND NOT SMALLER THAN 70 SQ. INCHES - SIGN SHALL BE GALV. STL & FASTENED TO POST W/ (2) GALV. MACHINE BOLTS

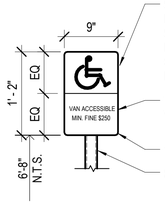
THE SIGN SHALL READ, IN NOT LESS THAN 1" LETTER HEIGHT:
"UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENCE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT EAGLE TOWING 1386 ROBIN AVE. VENTURA, CA 93003 OR BY TELEPHONING 805-535-5631."

CONTRACTOR TO VERIFY CORRECT POLICE PHONE NUMBER PRIOR TO SIGN FABRICATION.

(E) POST & FOOTING

NOTE:
MOUNTING HEIGHT OPTIONS
1. 36" MIN.
2. 80" IN PATH OF TRAVEL

ACCESSIBLE PARKING ENTRY SIGN 1" = 1'-0" (1)



SIGN TO BE REFLECTORIZED WHITE ON BLUE BACKGROUND (FS 15090 IN FED. STD. 595C) NOT SMALLER THAN 70 SQ. INCHES & CENTERED IN FRONT OF ACCESSIBLE STALL - SIGN SHALL BE GALV. STL & FASTENED TO POST W/ (2) GALV. MACHINE BOLTS

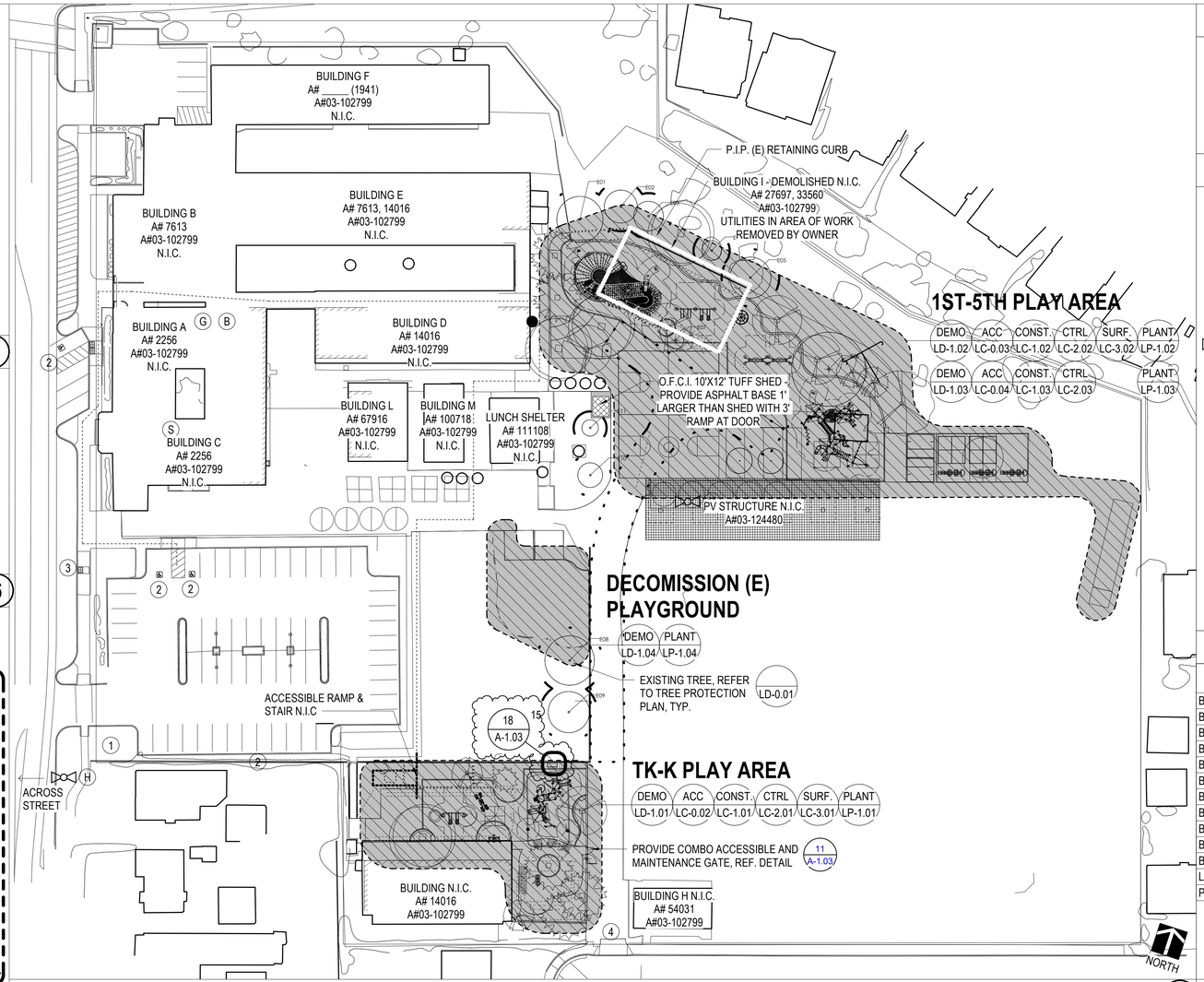
"ACCESIBLE PARKING". "VAN ACCESSIBLE" @ VAN STALLS ONLY. MIN. 2" TALL LETTERS

1/2" RADIUS, TYP.

(E) POST

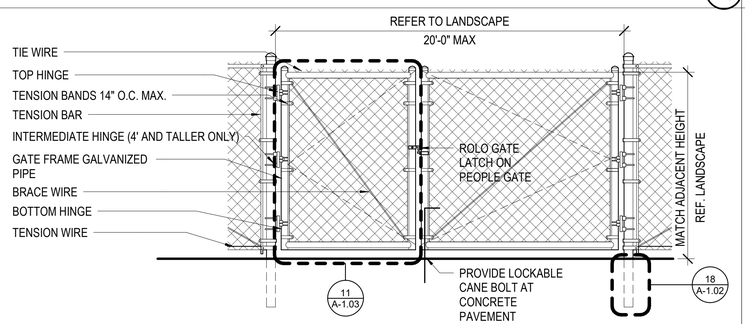
ACCESSIBLE PARKING SIGN 1" = 1'-0" (6)

CHAIN LINK SINGLE GATE W/ MAINT. LEAF 3/4" = 1'-0" (11)

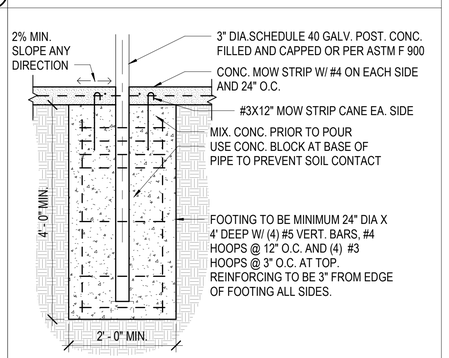


MONTALVO SITE PLAN 1" = 40'-0" (15)

IRRIGATION CONTROL ENCLOSURE 1/4" = 1'-0" (18)



MAINTENANCE CHAIN LINK DOUBLE GATE 1/2" = 1'-0" (19)



MAINTENANCE CHAIN LINK DOUBLE GATE POST FOOTING & MOW STRIP 3/4" = 1'-0" (20)

PARKING CALCULATION

	EXISTING	REQUIRED.
PARKING SPACES:	63	-
ACCESSIBLE:	3	3
VAN ACCESSIBLE:	1	1

LEGEND

- AREA OF WORK, REFER TO LANDSCAPE PLANS
- NEW ACCESSIBLE PATH OF TRAVEL, N.I.C.
- EXISTING ACCESSIBLE PATH OF TRAVEL A# 03-102799, REF. LANDSCAPE FOR CON'T
- (E) FIRE TRUCK ACCESS 20'-0" WIDE MIN. - 150' MAX. LENGTH FOR TRUCK BACK-UP. 28' MIN. CENTER LINE TURNING RADIUS.
- (H) (E) FIRE HYDRANT
- (B) ACCESSIBLE BOYS' TOILET ROOM A# 03-102799
- (G) ACCESSIBLE GIRLS' TOILET ROOM A# 03-102799
- (S) ACCESSIBLE STAFF TOILET ROOM A# 03-102799
- (E) TRUNCATED DOMES A# 03-102799
- (E) ACCESSIBLE DRINKING FOUNTAIN A# 03-102799
- (1) NEW TOW-AWAY SIGN ON EXISTING POST PER CBC 11B-502.8.2. A# 03-106633 EAGLE TOWING 805-535-5631 1386 ROBIN AVE. VENTURA, CA 93003 — 1 / A-1.03
- (2) (E) ACCESSIBLE PARKING STALL A# 03-102799. PROVIDE SIGN NOTIFYING OF MIN. FINE $250 MOUNTED TO (E) CHAIN LINK FENCE IN PARKING LOT AND TO EXISTING POST AT 80" ABOVE WALKING SURFACE PER — 6 / A-1.03
- (3) (E) ACCESSIBLE LOADING ZONE A# 03-102799
- (4) FIRE LANE SIGNAGE & KNOX LOCK ON GATE

DSA CERTIFICATION STATUS

BUILDING NAME	DSA APPL. NO.	YEAR BUILT	MODERNIZATION NO.	CERT. #
BUILDING A	2256	1937	03-102799	#2
BUILDING B	7613	1950	03-102799	#2
BUILDING C	2256	1957	03-102799	#2
BUILDING D	14016	1957	03-102799	#2
BUILDING E	7613, 14016	1950, 1957	03-102799	#2
BUILDING F		1941	03-102799	#2
BUILDING G	14016	1958	03-102799	#2
BUILDING H	54031	1993	03-102799	#2
BUILDING I - DEMOLISHED	27697, 33560	1966, 1971	03-102799	#2
BUILDING L	67916	1997	03-102799	#2
BUILDING M	03-100718	1998	03-102799	#2
LUNCH SHELTER	03-111108	2008	03-102799	#2
PV STRUCTURE	03-124480	2025	-	-

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 1	2/12/2025

Sheet Name

SITE ACCESS PLAN & DETAILS

	1012.00
Date	1/14/2025
Drawn by	CY
Checked by	TC
Sheet Number	A-1.03

Autodesk Docs://1031 - VUSD Anacapa MS/1012 VUSD Play Equipment_2.rvt

ABBREVIATIONS:

#	Number	ID	Inside Diameter
&	And	IJ	Isolation Joint
@	At	ILO	In Lieu Of
*(#)	Quantity	IN	Inch
		INT	Interior
A/C	Air Conditioner	INV	Invert
AC	Asphalt Concrete		
ACT	Acoustic Ceiling Tile	JB	Junction Box
AD	Area Drain	JT	Joint
AGG	Aggregate		
ALIGN	Alignment	LB	Pound
APPROX	Approximate	LF	Linear Feet
ARCH	Architect(ural)	LO	Low
		LOW	Limit of Work
BC	Bottom of Curb	LP	Low Point
BCR	Beginning of Curve Radius		
BD	Board	MAX	Maximum
BF	Bottom of Fence	MECH	Mechanical
BL	Base Line	MH	Manhole
BLDG	Building	MIN	Minimum
BM	Benchmark	MISC	Miscellaneous
BOC	Back of Curb	MTL	Metal
BOP	Bottom of Pipe		
BOR	Bottom of Ramp	N	North
BOS	Bottom of Slope	NIC	Not In Contract
BOT	Bottom	NO	Number
BS	Bottom of Step	NOM	Nominal
BVC	Beginning of Vertical Curve	NTS	Not To Scale
BW	Bottom of Wall		
BYND	Beyond	OC	On Center
		OD	Outside Diameter
CAB	Crushed Aggregate Base	OE	Or Equal
CB	Catch Basin	OPP	Opposite
CFS	Cubic Feet per Second		
CHNL	Channel	PA	Planting Area
CI	Cast Iron	PCC	Pre-Cast Concrete
CIP	Cast-in-Place	PI	Point of Intersection
CIP	Cast In Place	PIP	Protect in Place
CJ	Control Joint	PL	Property Line
CLR	Clearance	PLUMB	Plumbing
CMB	Crushed Miscellaneous Base	PLYD	Plywood
CMP	Corrugated Metal Pipe	POC	Point of Connection
CMU	Concrete Masonry Unit	POVC	Point of Vertical Curve
CO	Cleanout	PREP	Preparation
COL	Column	PSI	Pounds per Square Inch
CONC	Concrete	PT	Pressure Treated
CONT	Continuous	PT	Point of Tangency
		PVC	Polyvinyl Chloride
DBL	Double	PVI	Point of Vertical Intersection
DEMO	Demolish or Demolition	PVMT	Pavement
DET	Detail		
DI	Drain Inlet	R/W, ROW	Right of Way
DIA	Diameter	RAD	Radius
DIAG	Diagonal	RCP	Reinforced Concrete Pipe
DIM	Dimension		
DN	Down	RE	Rim Elevation
DR	Door	RECPT	Receptacle
DWG	Drawing	REF	Reference
		REINF	Reinforced
E	East	REQ	Required
EA	Each	REV	Revision
EJ	Expansion Joint	RM	Room
EL	Elevation	RP	Radius Point
ELEC	Electrical		
ELEV	Elevator or Elevation	S	South
ENCL	Enclosure	SCH	Schedule
EP	Edge of Pavement	SF	Square Feet
EQ	Equal	SHT	Sheet
EX OR (E)	Existing	SIM	Similar
EXP JT	Expansion Joint	SIM	Similar
EXT	Exterior	SPEC	Specified OR Specification
		SQ	Square
FD	Floor Drain	SS	Stainless Steel
FDN	Foundation	STA	Station
FEC	Fire Extinguisher Cabinet	STD	Standard
FF	Finish Floor	STL	Steel
FFE	Finish Floor Elevation	STRUCT	Structure or Structural
FG	Finish Grade	SW	Sewer
FH	Fire Hydrant		
FIXT	Fixture	T/D	Telephone/Data
FL	Flow Line	TBD	To Be Determined
FLR	Floor	TC	Top of Curb
FM	Filled Metal	TD	Top of Drain
FND	Foundation	TELE	Telephone
FOB	Face of Building	TF	Top of Fence
FOC	Face of Curb	THK	Thick
FOF	Face of Finish	TOB	Top of Beam
FOS	Face of Step	TOC	Top of Cap
FOW	Face of Wall	TOR	Top of Ramp
FS	Finish Surface	TOS	Top of Slope
FTG	Footing	TS	Top of Step
		TW	Top of Wall
G	Gas	TYP	Typical
GA	Gauge		
GALV	Galvanized	UNO	Unless Noted Otherwise
GB	Grade Break		
GC	General Contractor	VERT	Vertical
GR	Grade	VIF	Verify In Field
HB	Hose Bib	W	West
HC	Handicap	W/	With
HDR	Header	W/O	Without
HI	High	WC	Water Closet
HORIZ	Horizontal	WI	Wrought Iron
HP	High Point	WP	Waterproof
HR	Hour	WS	Water Surface
HT	Height		
HVAC	Heating, Ventilating, and Air Conditioning		

PLANTING NOTES

1. SEE PLANTING PLAN ON SHEET LP-0.01- LP-1.03 FOR LOCATION OF NEW TREES.

EXISTING TREE SCHEDULE

ID	LATIN NAME	COMMON NAME	ACTION
E01	*Agonis flexuosa*	Peppermint Tree	Retain
E02	*Fraxinus sp.*	Ash	Retain
E03	*Alnus rhombifolia*	White Alder	Retain
E04	*Alnus rhombifolia*	White Alder	Retain
E05	*Alnus rhombifolia*	White Alder	Retain
E06	*Fraxinus sp.*	Ash	Remove
E07	*Ficus sp.*	Fig	Remove
E08	*Schinus molle*	Pepper Tree	Retain
E09	*Cupaniopsis anacardiodes*	Carrotwood	Retain
E10	*Pyrus sp.*	Ornamental Pear	Retain
E11	*Pyrus sp.*	Ornamental Pear	Retain

TREE PROTECTION PLAN LEGEND



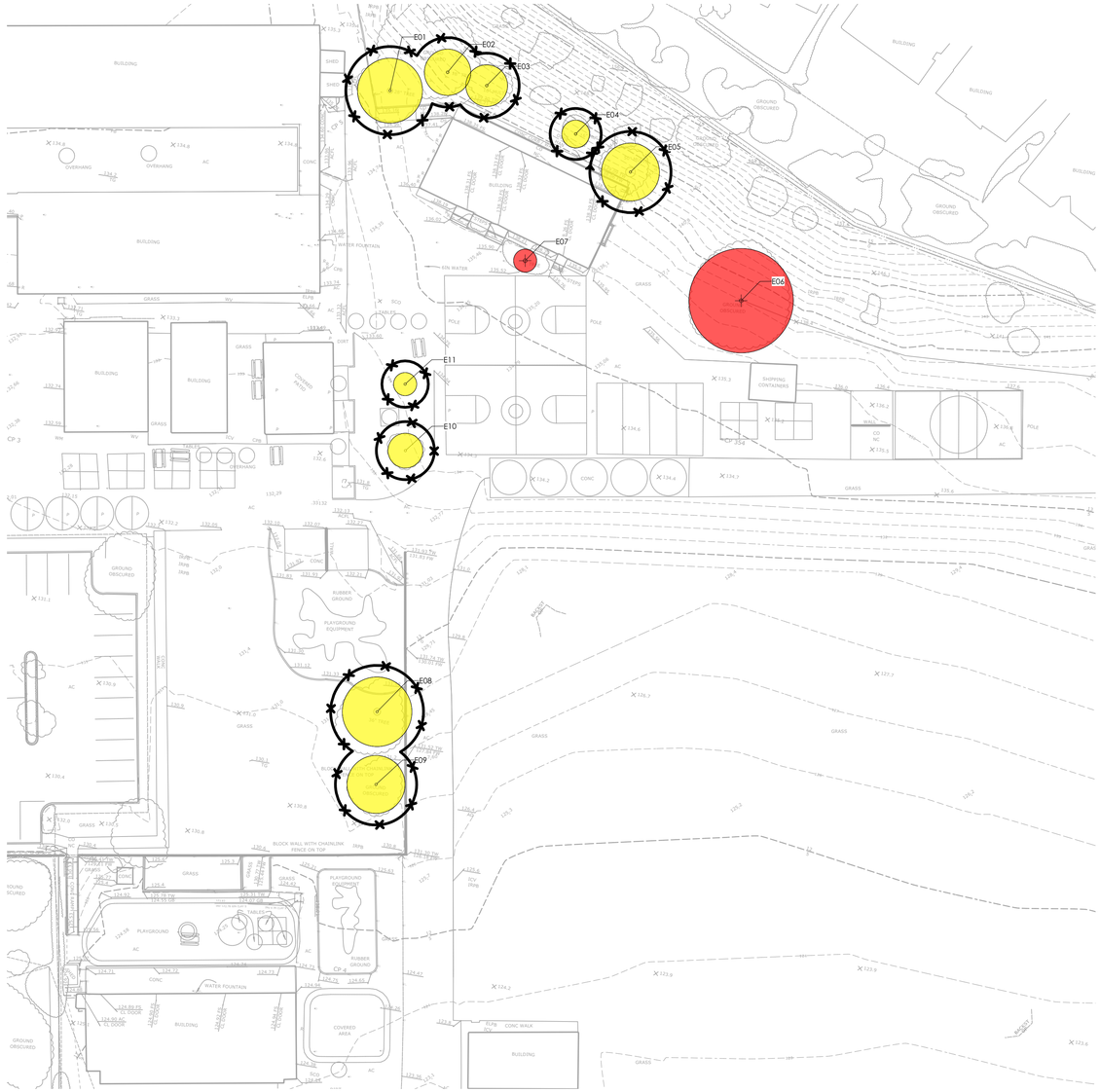
EXISTING TREE - REMAIN

CRITICAL ROOT ZONE RADIUS
1' PER 1" DBH

TREE PROTECTION ZONE (TPZ):
5' BEYOND DRIPLINE

CONSTRUCTION TREE PROTECTION NOTES

1. ONCE A MONTH SOAK THE ROOTZONE OF THE PROTECTED TREES.
2. TREE PROTECTION ZONE RESTRICTIONS:
   A. STAY OUT OF THE FENCED AREA WITHOUT THE APPROVAL OF THE JOB SITE SUPERINTENDENT.
   B. ANY TRENCHING, GRADING OR EXCAVATING, WITHIN THE FENCED AREAS SHALL BE APPROVED BEFORE HAND BY THE OWNER'S LANDSCAPE ARCHITECT. ANY SUCH WORK APPROVED SHALL BE MONITORED BY A PARTY SELECTED BY THE OWNER. THE MONITOR SHALL OBSERVE TRENCHING, GRADING OR EXCAVATING AND REPORT WHETHER THE WORK WAS PERFORMED ACCORDING TO THE PROTECTION PLAN AND WHETHER UNEXPECTED DAMAGE OCCURRED AND ANY RECOMMENDED TREATMENT FOR THE DAMAGE.
   C. PRIOR TO TRENCHING, GRADING OR EXCAVATING WITHIN THE TPZ, CONTRACTOR SHALL VERIFY THAT ROOT PRUNING HAS BEEN COMPLETED.
   D. NO EQUIPMENT, SOIL, OR CONSTRUCTION MATERIALS SHALL BE STORED IN THE TPZ.
   E. NO OIL, GASOLINE, CHEMICALS, PAINTS, SOLVENTS, OR OTHER DAMAGING MATERIALS MAY BE DUMPED WITHIN THE TPZ.
   F. GRADE CHANGES OUTSIDE OF THE TPZ SHALL NOT SIGNIFICANTLY ALTER DRAINAGE TO PROTECTED TREES.
3. REPORT ANY INADVERTENT DAMAGE TO THE TREES TO THE SCHOOL DISTRICT.
4. MONITOR THE HEALTH OF THE TREES AND REPORT OBVIOUS HEALTH DECLINE TO THE SCHOOL DISTRICT.
5. A QUALIFIED ARBORIST SELECTED BY THE OWNER SHALL PERFORM A HEALTH ASSESSMENT OF ALL THE PROTECTED TREES AT THE END OF CONSTRUCTION. THAT ASSESSMENT SHALL FORM THE BASIS FOR POST-CONSTRUCTION MONITORING.



TREE PROTECTION PLAN

THE FOLLOWING MEASURES SHALL BE TAKEN TO PROTECT TREES BEFORE, DURING AND AFTER CONSTRUCTION

PRECONSTRUCTION TREE PROTECTION NOTES

1. A COPY OF THE PROTECTION PLAN SHOULD BE AVAILABLE ON SITE THROUGHOUT CONSTRUCTION.
2. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING: THE OWNER'S LANDSCAPE ARCHITECT SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH THE GENERAL CONTRACTORS' SUPERINTENDENT TO REVIEW THE TREE PROTECTION PLAN AND CONFIRM THAT THE PROTECTION FENCES AND SIGNS ARE IN PLACE PRIOR TO ANY WORK BEING DONE ON THE SITE.
3. POST SIGNS ON THE PROTECTIVE FENCING AROUND PROTECTED TREES. LETTERING SHOULD BE AT LEAST 1" HIGH AND READ AS FOLLOWS:

WARNING	ADVERTENCIA
TREE PROTECTION ZONE	ZONA DE PROTECCIÓN DE ÁRBOLES
Entry prohibited. This fence shall remain in place throughout the entire construction period.	Entrada prohibida. Esta cerca debe permanecer en su lugar durante el periodo de construcción.
To report violations, contact	Para reportar violaciones, contacte al
Construction Superintendent	ENFORZAMIENTO

4. TREE PROTECTION FENCING IS REQUIRED PER PLAN. THE OUTLINE OF STRUCTURES AND PAVING UNDER THE CANOPY OF THE PROTECTED TREE(S), THE TREE PROTECTION ZONE (TPZ), SHALL BE CLEARLY MARKED BY THE OWNER AND/OR CONTRACTOR PRIOR TO FENCING INSTALLATION.

TREE PROTECTION PLAN

Scale: 1" = 30'-0"

0 30 60 90 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

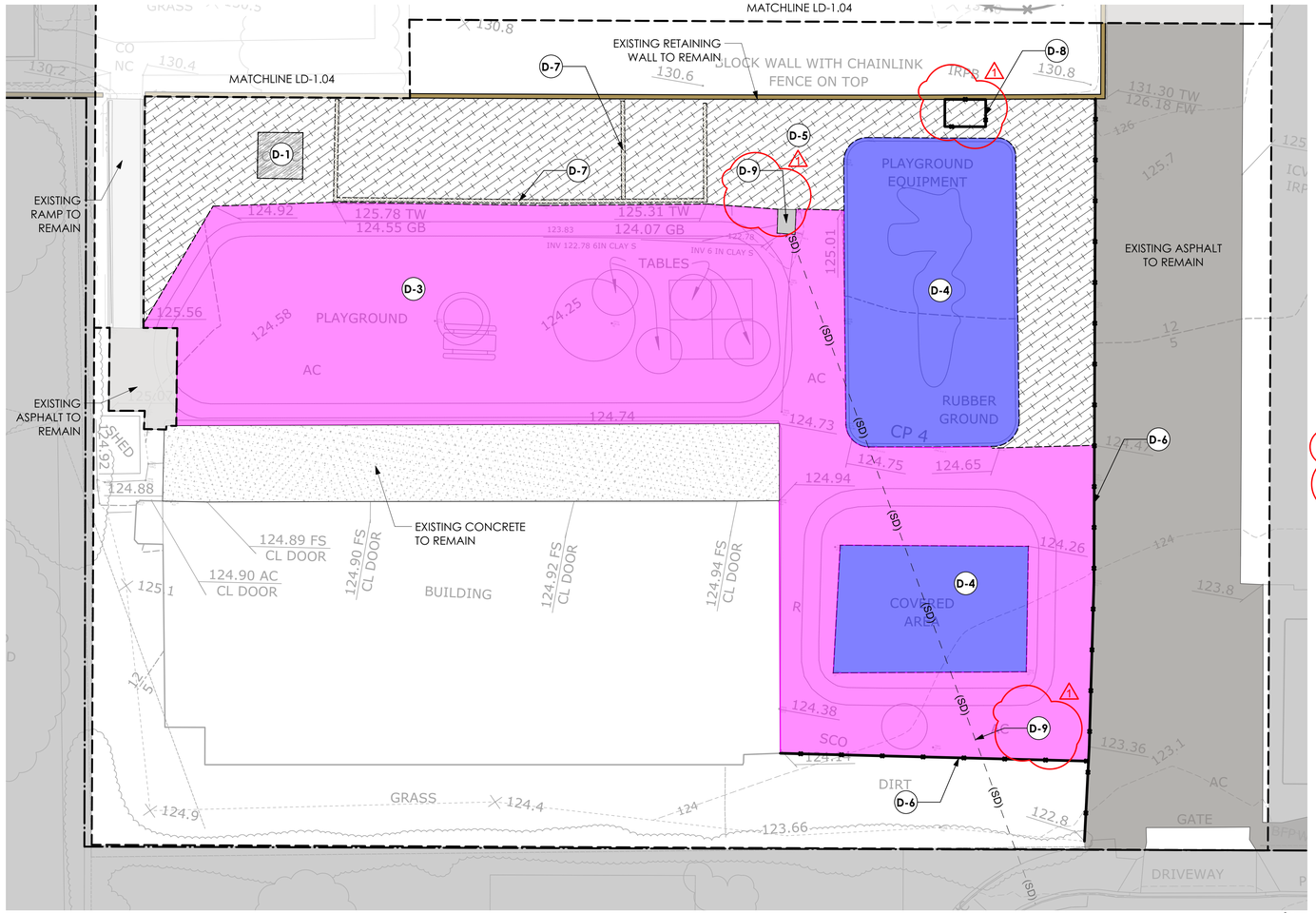
Sheet Name

TREE PROTECTION PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LD-0.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



TK + KINDERGARTEN PLAYGROUND DEMOLITION PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

DEMOLITION SCHEDULE

ID#	SYMBOL	ITEM	DESCRIPTION
D-1		REMOVE CONCRETE PAVING	REMOVE AND DISPOSE OF CONCRETE PAVING, INCLUDING REINFORCEMENT AND BASE MATERIALS
D-2		REMOVE PLAY SAND	REMOVE AND DISPOSE OF PLAY SAND SURFACING INCLUDING ALL BASE MATERIALS.
D-3		REMOVE AC PAVING	REMOVE AND DISPOSE OF ASPHALT PAVING, INCLUDING BASE MATERIALS
D-4		REMOVE PLAYGROUND	REMOVE EXISTING PLAY EQUIPMENT & FOOTINGS, SURFACING, BASE AND ANY ASSOCIATED HEADERS AND EDGE RESTRAINTS. DISPOSE OF PER DIRECTION OF VUSD REPRESENTATIVE.
D-5		CLEAR AND GRUB	REMOVE EXISTING VEGETATION IN PROPOSED CONSTRUCTION AREA, EXISTING IRRIGATION DISTRIBUTION LINES, HEADS AND ALL NON-PRESSURIZED IRRIGATION PIPE.
D-6		REMOVE EXISTING FENCE AND GATES	REMOVE AND DISPOSE OF EXISTING FENCE AND GATE, INCLUDING FOOTING.
D-7		REMOVE BLOCK WALL	REMOVE AND DISPOSE OF BLOCK WALL, INCLUDING FOOTING AND BASE MATERIALS.
D-8		MODIFY CHAINLINK FENCE CAGE	MODIFY SIZE OF CHAINLINK FENCE CAGE AROUND EXISTING IRRIGATION CONTROLLER- REFER TO ARCHITECT'S PLANS.
D-9	(SD)	REMOVE CATCH BASIN AND DRAINLINE	REMOVE EXISTING CATCH BASIN AND 6" CLAY PIPE (WITH APPROXIMATELY 6" COVER). REMOVE CLAY PIPE TO LIMITS OF ASPHALT DEMOLITION. 1

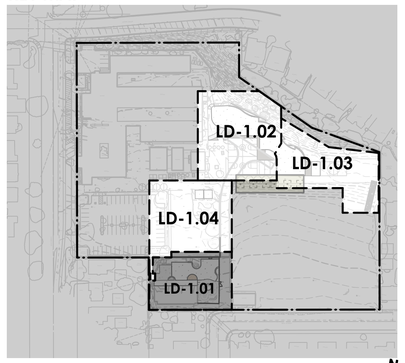
DEMOLITION NOTES

1. CONTRACTOR SHALL CHECK OR LOCATE EXISTING STRUCTURES, ELECTRIC CABLES OR CONDUITS, UTILITY LINES AND OTHER EXISTING FEATURES OR CONDITIONS ABOVE OR BELOW GROUND LEVEL THAT MIGHT BE DAMAGED AS A RESULT OF DEMOLITION AND CONSTRUCTION OPERATIONS. QUESTIONS OR CONFLICTS ARISING OUT OF SUCH EXAMINATION PRIOR TO OR DURING OPERATION SHALL BE IMMEDIATELY DIRECTED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR NECESSARY ACTION OR DECISIONS BEFORE RESUMING OPERATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT AT NO COST TO THE OWNER OF FEATURES OR CONDITIONS DAMAGED THROUGH FAILURE TO COMPLY WITH ABOVE PROCEDURES.
2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL CLEAR AND GRUB ALL SHRUBS, TURF AND VEGETATION WITHIN THE LIMITS OF WORK PER THESE PLANS AND THE PROJECT SPECIFICATIONS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTINUOUSLY CLEAN AND REMOVE DEMOLISHED MATERIALS FROM THE SITE, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, DAILY AND TO ENSURE SUB-CONTRACTORS ADHERE TO THESE REQUIREMENTS. DO NO ALLOW MATERIALS TO ACCUMULATE ON SITE.
4. DEMOLITION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE EXISTING STRUCTURES, VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE PROJECT SITE.
5. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE REMOVAL OF MATERIAL FROM THE SITE AND ALL OBJECTIONABLE MATERIALS COVERED BY THESE PLANS. DISPOSAL OF MATERIALS SHALL BE DONE IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING SURFACE ELEVATIONS WHERE PROPOSED IMPROVEMENT ELEVATIONS ARE INTENDED TO MATCH AND REPORT ANY DISCREPANCIES TO THE OWNER.
7. CONTRACTOR SHALL REMOVE OR ABANDON IN PLACE ALL EXISTING IRRIGATION APPURTENANCES NOT REQUIRED FOR THE EXISTING SYSTEM TO REMAIN.
8. ALL EXISTING IRRIGATION APPURTENANCES TO BE REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.

DUST CONTROL NOTES

1. AFTER CLEARING, GRADING, EARTH MOVING, OR EXCAVATION OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY:
   A. SPREADING SOIL BINDERS.
   B. WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND.
   C. OTHER METHODS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT THEIR IS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM THEIR GRADING OPERATION.
3. IN ADDITION TO THESE NOTES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE DISTRICT AND THE COUNTY OF VENTURA AIR POLLUTION CONTROL DISTRICT.
4. THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL BE FOR THE ENTIRE CONSTRUCTION DURATION, INCLUDING HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.
5. WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE CONSTRUCTION IS COMPLETED.

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

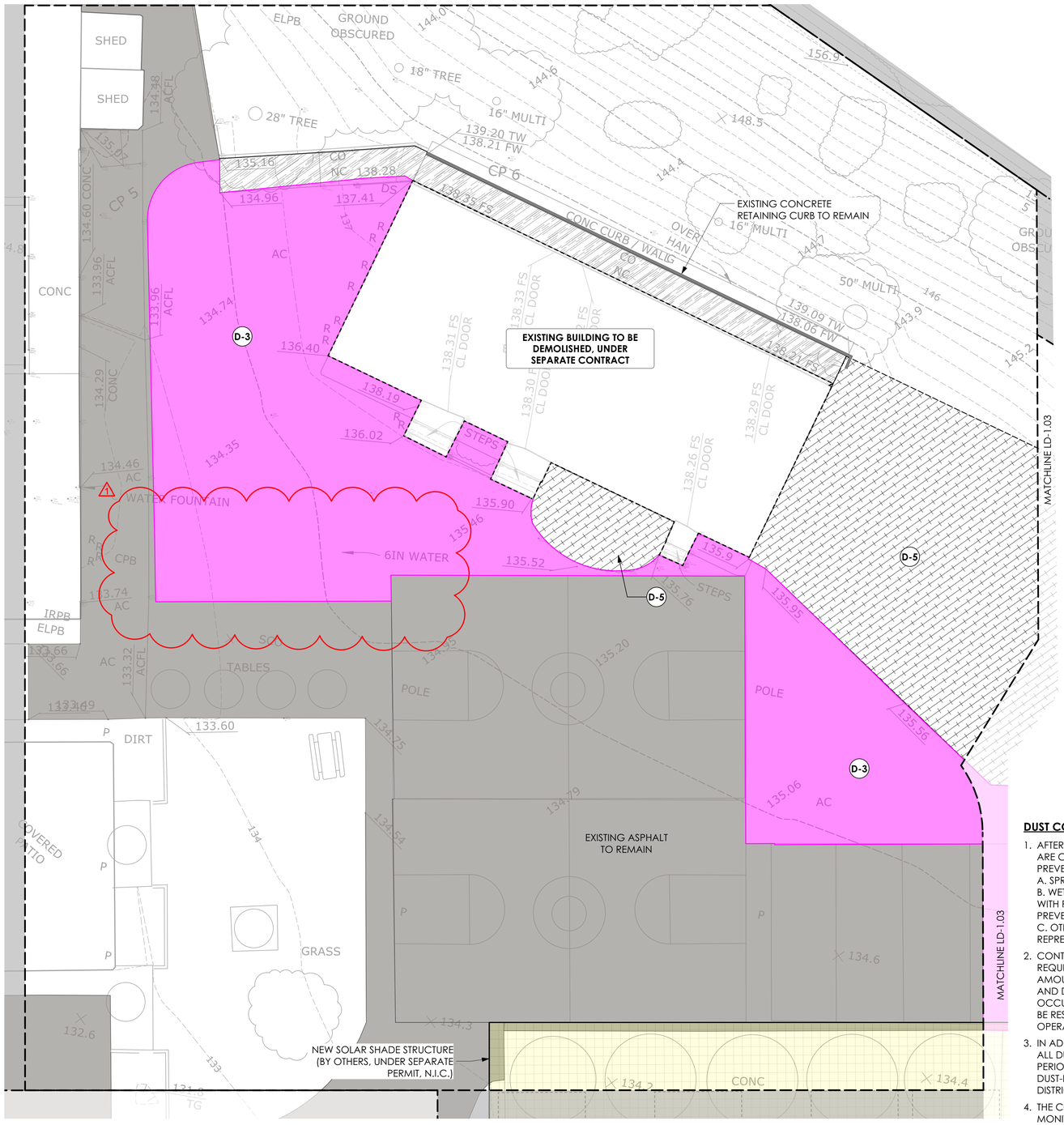
Sheet Name

DEMOLITION PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LD-1.01

C:\Users\vyung\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND DEMOLITION PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

DEMOLITION SCHEDULE

ID#	SYMBOL	ITEM	DESCRIPTION
D-1		REMOVE CONCRETE PAVING	REMOVE AND DISPOSE OF CONCRETE PAVING, INCLUDING REINFORCEMENT AND BASE MATERIALS
D-2		REMOVE PLAY SAND	REMOVE AND DISPOSE OF PLAY SAND SURFACING INCLUDING ALL BASE MATERIALS.
D-3		REMOVE AC PAVING	REMOVE AND DISPOSE OF ASPHALT PAVING, INCLUDING BASE MATERIALS
D-4		REMOVE PLAYGROUND	REMOVE EXISTING PLAY EQUIPMENT & FOOTINGS, SURFACING, BASE AND ANY ASSOCIATED HEADERS AND EDGE RESTRAINTS. DISPOSE OF PER DIRECTION OF VUSD REPRESENTATIVE.
D-5		CLEAR AND GRUB	REMOVE EXISTING VEGETATION IN PROPOSED CONSTRUCTION AREA, EXISTING IRRIGATION DISTRIBUTION LINES, HEADS AND ALL NON-PRESSURIZED IRRIGATION PIPE.
D-6		REMOVE EXISTING FENCE AND GATES	REMOVE AND DISPOSE OF EXISTING FENCE AND GATE, INCLUDING FOOTING.
D-7		REMOVE BLOCK WALL	REMOVE AND DISPOSE OF BLOCK WALL, INCLUDING FOOTING AND BASE MATERIALS.
D-8		MODIFY CHAINLINK FENCE CAGE	MODIFY SIZE OF CHAINLINK FENCE CAGE AROUND EXISTING IRRIGATION CONTROLLER- REFER TO ARCHITECT'S PLANS.
D-9	(SD)	REMOVE CATCH BASIN AND DRAINLINE	REMOVE EXISTING CATCH BASIN AND 6" CLAY PIPE (WITH APPROXIMATELY 6" COVER). REMOVE CLAY PIPE TO LIMITS OF ASPHALT DEMOLITION.

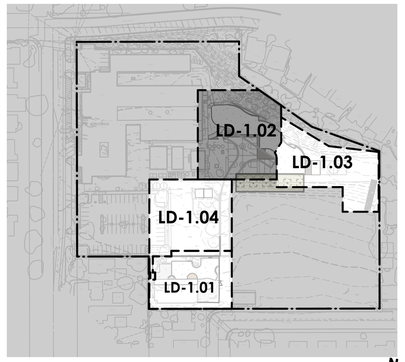
DEMOLITION NOTES

1. CONTRACTOR SHALL CHECK OR LOCATE EXISTING STRUCTURES, ELECTRIC CABLES OR CONDUITS, UTILITY LINES AND OTHER EXISTING FEATURES OR CONDITIONS ABOVE OR BELOW GROUND LEVEL THAT MIGHT BE DAMAGED AS A RESULT OF DEMOLITION AND CONSTRUCTION OPERATIONS. QUESTIONS OR CONFLICTS ARISING OUT OF SUCH EXAMINATION PRIOR TO OR DURING OPERATION SHALL BE IMMEDIATELY DIRECTED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR NECESSARY ACTION OR DECISIONS BEFORE RESUMING OPERATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT AT NO COST TO THE OWNER OF FEATURES OR CONDITIONS DAMAGED THROUGH FAILURE TO COMPLY WITH ABOVE PROCEDURES.
2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL CLEAR AND GRUB ALL SHRUBS, TURF AND VEGETATION WITHIN THE LIMITS OF WORK PER THESE PLANS AND THE PROJECT SPECIFICATIONS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTINUOUSLY CLEAN AND REMOVE DEMOLISHED MATERIALS FROM THE SITE, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, DAILY AND TO ENSURE SUB-CONTRACTORS ADHERE TO THESE REQUIREMENTS. DO NO ALLOW MATERIALS TO ACCUMULATE ON SITE.
4. DEMOLITION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE EXISTING STRUCTURES, VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE PROJECT SITE.
5. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE REMOVAL OF MATERIAL FROM THE SITE AND ALL OBJECTIONABLE MATERIALS COVERED BY THESE PLANS. DISPOSAL OF MATERIALS SHALL BE DONE IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING SURFACE ELEVATIONS WHERE PROPOSED IMPROVEMENT ELEVATIONS ARE INTENDED TO MATCH AND REPORT ANY DISCREPANCIES TO THE OWNER.
7. CONTRACTOR SHALL REMOVE OR ABANDON IN PLACE ALL EXISTING IRRIGATION APPURTENANCES NOT REQUIRED FOR THE EXISTING SYSTEM TO REMAIN.
8. ALL EXISTING IRRIGATION APPURTENANCES TO BE REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.

DUST CONTROL NOTES

1. AFTER CLEARING, GRADING, EARTH MOVING, OR EXCAVATION OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY:
   A. SPREADING SOIL BINDERS.
   B. WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND.
   C. OTHER METHODS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT THEIR IS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM THEIR GRADING OPERATION.
3. IN ADDITION TO THESE NOTES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE DISTRICT AND THE COUNTY OF VENTURA AIR POLLUTION CONTROL DISTRICT.
4. THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL BE FOR THE ENTIRE CONSTRUCTION DURATION, INCLUDING HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.
5. WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE CONSTRUCTION IS COMPLETED.

KEY MAP



0 100 200 FT N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

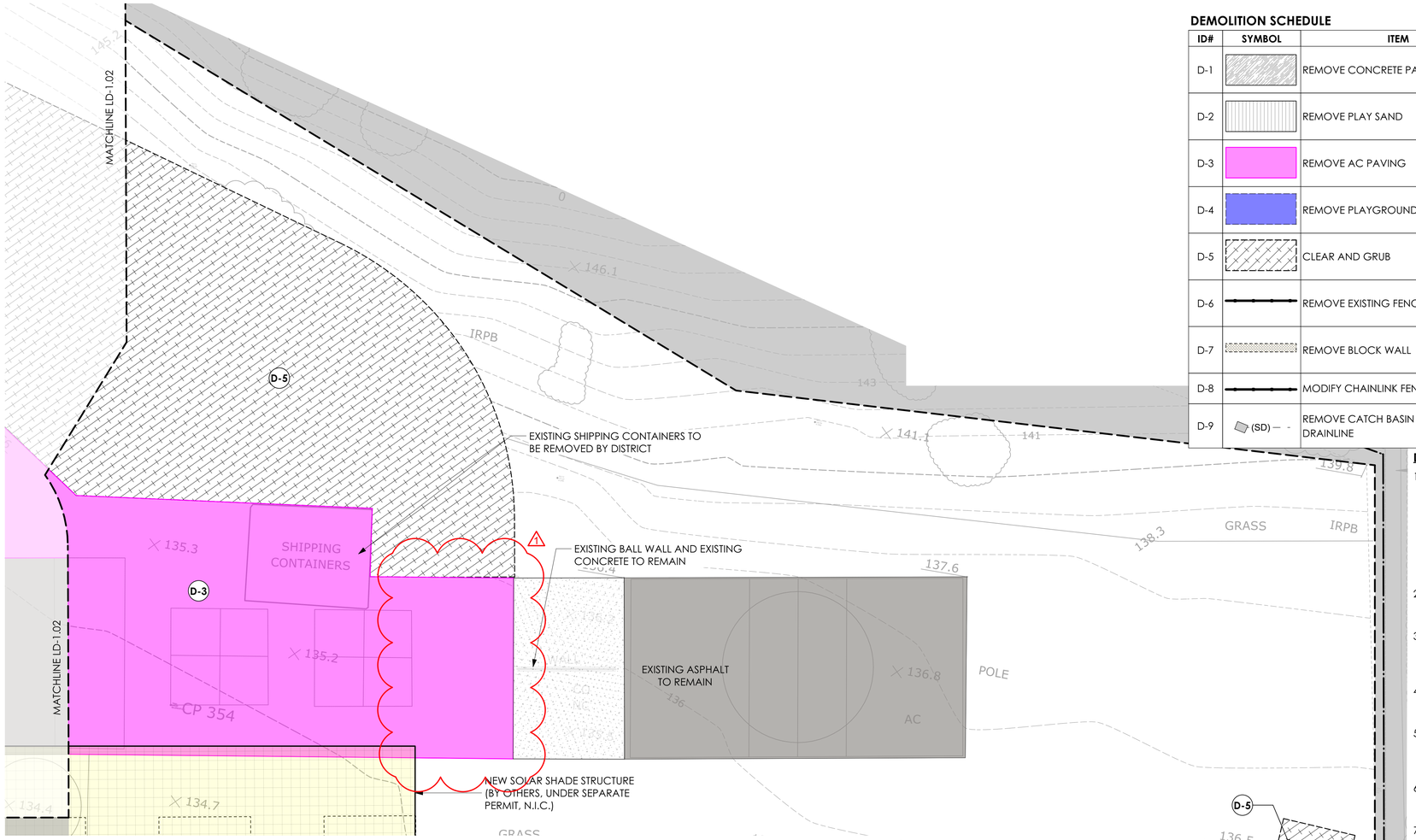
Sheet Name

DEMOLITION PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LD-1.02

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND DEMOLITION PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

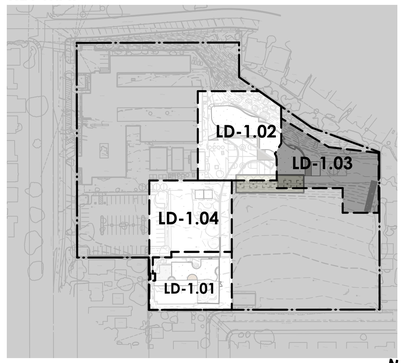
DEMOLITION SCHEDULE

ID#	SYMBOL	ITEM	DESCRIPTION
D-1		REMOVE CONCRETE PAVING	REMOVE AND DISPOSE OF CONCRETE PAVING, INCLUDING REINFORCEMENT AND BASE MATERIALS
D-2		REMOVE PLAY SAND	REMOVE AND DISPOSE OF PLAY SAND SURFACING INCLUDING ALL BASE MATERIALS.
D-3		REMOVE AC PAVING	REMOVE AND DISPOSE OF ASPHALT PAVING, INCLUDING BASE MATERIALS
D-4		REMOVE PLAYGROUND	REMOVE EXISTING PLAY EQUIPMENT & FOOTINGS, SURFACING, BASE AND ANY ASSOCIATED HEADERS AND EDGE RESTRAINTS. DISPOSE OF PER DIRECTION OF VUSD REPRESENTATIVE.
D-5		CLEAR AND GRUB	REMOVE EXISTING VEGETATION IN PROPOSED CONSTRUCTION AREA, EXISTING IRRIGATION DISTRIBUTION LINES, HEADS AND ALL NON-PRESSURIZED IRRIGATION PIPE.
D-6		REMOVE EXISTING FENCE AND GATES	REMOVE AND DISPOSE OF EXISTING FENCE AND GATE, INCLUDING FOOTING.
D-7		REMOVE BLOCK WALL	REMOVE AND DISPOSE OF BLOCK WALL, INCLUDING FOOTING AND BASE MATERIALS.
D-8		MODIFY CHAINLINK FENCE CAGE	MODIFY SIZE OF CHAINLINK FENCE CAGE AROUND EXISTING IRRIGATION CONTROLLER- REFER TO ARCHITECT'S PLANS.
D-9	(SD)	REMOVE CATCH BASIN AND DRAINLINE	REMOVE EXISTING CATCH BASIN AND 6" CLAY PIPE (WITH APPROXIMATELY 6" COVER). REMOVE CLAY PIPE TO LIMITS OF ASPHALT DEMOLITION.

DEMOLITION NOTES

1. CONTRACTOR SHALL CHECK OR LOCATE EXISTING STRUCTURES, ELECTRIC CABLES OR CONDUITS, UTILITY LINES AND OTHER EXISTING FEATURES OR CONDITIONS ABOVE OR BELOW GROUND LEVEL THAT MIGHT BE DAMAGED AS A RESULT OF DEMOLITION AND CONSTRUCTION OPERATIONS. QUESTIONS OR CONFLICTS ARISING OUT OF SUCH EXAMINATION PRIOR TO OR DURING OPERATION SHALL BE IMMEDIATELY DIRECTED TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR NECESSARY ACTION OR DECISIONS BEFORE RESUMING OPERATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT AT NO COST TO THE OWNER OF FEATURES OR CONDITIONS DAMAGED THROUGH FAILURE TO COMPLY WITH ABOVE PROCEDURES.
2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL CLEAR AND GRUB ALL SHRUBS, TURF AND VEGETATION WITHIN THE LIMITS OF WORK PER THESE PLANS AND THE PROJECT SPECIFICATIONS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTINUOUSLY CLEAN AND REMOVE DEMOLISHED MATERIALS FROM THE SITE, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, DAILY AND TO ENSURE SUB-CONTRACTORS ADHERE TO THESE REQUIREMENTS. DO NO ALLOW MATERIALS TO ACCUMULATE ON SITE.
4. DEMOLITION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE EXISTING STRUCTURES, VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE PROJECT SITE.
5. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE REMOVAL OF MATERIAL FROM THE SITE AND ALL OBJECTIONABLE MATERIALS COVERED BY THESE PLANS. DISPOSAL OF MATERIALS SHALL BE DONE IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING SURFACE ELEVATIONS WHERE PROPOSED IMPROVEMENT ELEVATIONS ARE INTENDED TO MATCH AND REPORT ANY DISCREPANCIES TO THE OWNER.
7. CONTRACTOR SHALL REMOVE OR ABANDON IN PLACE ALL EXISTING IRRIGATION APPURTENANCES NOT REQUIRED FOR THE EXISTING SYSTEM TO REMAIN.
8. ALL EXISTING IRRIGATION APPURTENANCES TO BE REMOVED DURING DEMOLITION SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER AND SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS.

KEY MAP



0 100 200 FT

N

DUST CONTROL NOTES

1. AFTER CLEARING, GRADING, EARTH MOVING, OR EXCAVATION OPERATIONS ARE COMPLETED THE ENTIRE AREA OF DISTURBED SOIL IS TO BE TREATED TO PREVENT WIND PICKUP OF THE SOIL. THIS MAY BE ACCOMPLISHED BY:
   A. SPREADING SOIL BINDERS.
   B. WETTING THE AREA DOWN, SUFFICIENT TO FORM A CRUST ON THE SURFACE WITH REPEATED SOAKING AS NECESSARY TO MAINTAIN THE CRUST AND PREVENT DUST PICKUP BY THE WIND.
   C. OTHER METHODS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT THEIR IS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED BY DUST FROM THEIR GRADING OPERATION.
3. IN ADDITION TO THESE NOTES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUST AND EROSION CONTROL DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL UTILIZE DUST CONTROL METHODS ON ANY DUST-PRODUCING CONDITION IN COMPLIANCE WITH REGULATIONS OF THE DISTRICT AND THE COUNTY OF VENTURA AIR POLLUTION CONTROL DISTRICT.
4. THE CONSTRUCTION CONTRACTOR SHALL DESIGNATE A PERSON(S) TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFFSITE. THEIR DUTIES SHALL BE FOR THE ENTIRE CONSTRUCTION DURATION, INCLUDING HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.
5. WATERING OR APPLICATION OF SOIL BINDERS SHALL CONTINUE IN THE AMOUNTS NECESSARY TO CONTROL DUST UNTIL THE SITE CONSTRUCTION IS COMPLETED.

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

DEMOLITION PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LD-1.03

CONSTRUCTION NOTES

1. ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED.
2. CONSTRUCT 1/2" EXPANSION JOINTS W/FIBER JOINTS AND SEAL W/W.R. MEADOWS GREY DECK-O-SEAL.
3. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL CONDUIT, IRRIGATION PIPE, AND UTILITY BOXES TO AVOID CONFLICTS WITH FOOTING, DRAINAGE AREAS, OR INSTALLATION OF AMENITIES SUCH AS BOLLARDS, BOULDERS, BENCHES, AND ROOF DRAINS.
4. FINISH GRADE IN PLANTER AREAS SHALL BE 3" BELOW ADJACENT FINISH SURFACE, TYPICAL.
5. LAYOUT OF FORMS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD 24 HOURS PRIOR TO POURING. INSPECTION PRIOR TO FORM CONSTRUCTION IS PREFERRED.
6. PRESERVE AND PROTECT ALL TREES THAT ARE TO REMAIN. DAMAGED TREES ARE TO BE REPLACED IN KIND AND SIZE BY CONTRACTOR. SEE DEMOLITION AND TREE PROTECTION PLAN FOR MORE DETAIL.
7. ALL MANUFACTURER SPECIFIED ITEMS TO BE PROVIDED AS SPECIFIED OR AN APPROVED EQUAL.
8. ALL PLAY EQUIPMENT SHALL BE OWNER FURNISHED, CONTRACTOR INSTALLED.

GENERAL GRADING NOTES

1. CONTOURS ON THE PLAN ARE ILLUSTRATED AT 1-FOOT INTERVALS.
2. GRADING SUPERVISION REQUIREMENTS SHALL BE COMPLIED WITH AS FOLLOWS:
   A. LINE AND GRADE STAKES SHALL BE SET BY A CALIFORNIA LICENSED SURVEYOR HIRED BY THE CONTRACTOR UNDER THE GENERAL SUPERVISION OF THE VUSD REPRESENTATIVE.
   B. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PREPARE RECORD DRAWINGS AND AND SUBMIT A REPORT INDICATING THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
   C. THE VUSD REPRESENTATIVE AND PROJECT INSPECTOR SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION, PERFORM COMPACTION TESTING, MEASURE THE THICKNESS OF PAVEMENT AND BASE DURING CONSTRUCTION, TEST AND REVIEW THE QUALITY OF PAVEMENT AND BASE, ETC.
3. NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED TO THE DISTRICT'S SATISFACTION AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED BUILDINGS.
4. SURFACE IMPROVEMENT AREAS SHALL BE PREPARED FOR CONSTRUCTION BY REMOVING SURFACE AND UNDERGROUND IMPROVEMENTS, I.E. PIPELINES, CONDUITS, ETC., VEGETATION, LARGE ROOTS, DEBRIS, AND OTHER DELETERIOUS MATERIALS. EXISTING UTILITY LINES THAT WILL NOT REMAIN IN SERVICE SHALL BE EITHER REMOVED OR ABANDONED, IF APPROVED BY THE DISTRICT'S REPRESENTATIVE.
5. VOIDS CREATED BY THE REMOVAL OF MATERIALS OR UTILITIES DESCRIBED ABOVE SHALL BE CALLED TO THE ATTENTION OF THE DISTRICT'S REPRESENTATIVE. NO FILL SHALL BE PLACED UNLESS THE UNDERLYING SOIL HAS BEEN OBSERVED BY THE DISTRICT'S REPRESENTATIVE.
6. FOLLOWING SITE PREPARATION, THE SOILS IN THE PAVEMENT SURFACE IMPROVEMENT AREA SHALL BE REMOVED TO A LEVEL PLANE AT A MINIMUM DEPTH OF 1-FOOT BELOW THE PROPOSED SUBGRADE ELEVATION OR 1-FOOT BELOW THE EXISTING GROUND SURFACE, WHICHEVER IS DEEPER, AND TO MINIMUM 3 FEET BEYOND THE PROPOSED PAVEMENT LIMITS. DURING CONSTRUCTION, LOCALLY DEEPER REMOVALS MAY BE REQUIRED, BASED ON FIELD CONDITIONS. THE RESULTING SOIL SURFACE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 8-INCHES, MOISTURE CONDITIONED TO WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO MINIMUM 95 PERCENT COMPACTION PRIOR TO PLACING ANY FILL.
7. VOIDS CREATED BY DISLODGING COBBLES AND/OR DEBRIS DURING SCARIFICATION SHALL BE BACKFILLED AND COMPACTED, AND THE DISLODGED MATERIALS SHOULD BE REMOVED FROM THE AREA OF WORK.
8. ON-SITE MATERIAL AND APPROVED IMPORT MATERIALS MAY BE USED AS GENERAL FILL. FILL SHALL BE PLACED IN LEVEL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS, MOISTURE CONDITIONED TO A MINIMUM OF OPTIMUM MOISTURE CONTENT OF 95 PERCENT UNDER PAVED AREAS AND 80-85% UNDER LANDSCAPE AREAS OF MAXIMUM DRY DENSITY. THE UPPER 1-FOOT OF SUBGRADE AND ALL AGGREGATE BASE AREAS TO BE PAVED WITH CONCRETE, FLUSH CONCRETE HEADER, OR COMPACTED NATIVE SOIL INFIELD SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY. SUBGRADE AND AGGREGATE BASE SHALL BE FIRM AND UNYIELDING WHEN PROOF-ROLLED WITH HEAVY, RUBBER-TIRED GRADING EQUIPMENT PRIOR TO CONTINUING CONSTRUCTION.
9. EARTH MOVING AND WORKING OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY. FILL MATERIAL SHALL NOT BE PLACED, SPREAD, OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE DISTRICT'S REPRESENTATIVE INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE ABLE TO BE PLACED AND MEET THE REQUIRED COMPACTION.
10. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTING PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER COMPACTION.
11. IMPORT SOILS SHALL BE GRANULAR NON-EXPANSIVE SOILS WHICH ARE EQUAL TO OR SUPERIOR IN QUALITY TO THE ON SITE SOILS AS DETERMINED BY THE DISTRICT'S REPRESENTATIVE PRIOR TO IMPORTATION OF THE FILL MATERIAL TO THE SITE.
12. THE COMPACTION STANDARD SHALL BE THE ASTM D 1557-12 METHOD OF COMPACTION AND THE LATEST EDITION.
13. BEFORE BEGINNING WORK REQUIRING EXPORTING OR IMPORTING MATERIALS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF VENTURA AND COUNTY OF VENTURA PUBLIC WORKS ROAD DIVISION FOR HAUL ROUTES USED AND METHODS PROVIDED TO MINIMIZE THE DEPOSIT OF SOILS ON CITY AND COUNTY ROADS.
14. FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 6" IN LOOSE THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY UNDER PAVED AREAS AND 80-85% UNDER LANDSCAPE AREAS AS DETERMINED BY ASTM D-1557-12 MODIFIED PROCTOR (AASHTO) TEST OR SIMILAR APPROVED METHODS. SOILS TESTS SHALL BE CONDUCTED AT NOT LESS THAN FOR EACH 18" OF FILL AND/OR FOR EACH 500 CUBIC YARDS OF FILL PLACED.
15. NO GRADING SHALL OCCUR UNLESS APPROVED EROSION CONTROL AND SEDIMENT CONTROL MEASURES ARE IN PLACE. DISCHARGES OF SEDIMENT FROM THE PROJECT SITE MAY RESULT IN A "STOP WORK ORDER".
16. CONTRACTOR TO REVIEW THE GRADING AND DRAINAGE PLAN FOR PAVEMENT GRADES AND CONTOURS AND MAY MAKE ADJUSTMENTS FROM THE APPROVED GRADING DESIGN AFTER RECEIVING THE DISTRICT REPRESENTATIVE'S APPROVAL.
17. CONTRACTOR SHALL PROVIDE EROSION CONTROL PLAN WITH PROPOSED BMPs TO DISTRICT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WITH CONSTRUCTION OPERATIONS.

AMENITIES SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
A-1	TK/K PLAYGROUND SIGNAGE	LANDSCAPE STRUCTURES 2-5 YEAR OLD WELCOME SIGNAGE, #182503 (OWNER FURNISHED, CONTRACTOR INSTALLED)	PER MANUF.
A-2	1ST-5TH PLAYGROUND SIGNAGE	LANDSCAPE STRUCTURES 5-12 YEAR OLD WELCOME SIGN, #182503 (OWNER FURNISHED, CONTRACTOR INSTALLED)	PER MANUF.
A-3	TETHERBALL POST	PW ATHLETICS 2-3/8" O.D. TETHERBALL POST W/ BALL (#2221-10) AND GROUND SLEEVE (#8301-24). AVAILABLE FROM www.pwathletics.com. SURFACE PAINTED DIMENSIONED TETHERBALL RING. PAINT CONCRETE WITH 100% ACRYLIC ENAMEL PORCH, FLOOR AND PATIO ANTI-SKID PRIMER AND PAINT FROM VALSPAR OR APPROVED EQUAL. COLORS: SUNSPARK (3010-2) HEX #ffb801, SEAFROLIC (4008-10A) HEX #53b5df, AND ULTRA WHITE (7006-24) HEX #f8f8f3, PER PLAN. (CONTRACTOR FURNISHED AND INSTALLED)	PER MANUF. & B / LC-4.02
A-4	SHED	OWNER FURNISHED, CONTRACTOR INSTALLED 10'x12' TUFF SHED. REFER TO ARCH. PLANS.	PER MANUF.

STORM DRAINAGE SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
S-1	DRAIN PIPE	CONSTRUCT 4" PVC SDR 35 STORM DRAIN LINE. FIELD ROUTE AND SLOPE 1% MIN. TO STORM DRAIN LINE CONNECTION.	E /LC-4.03
S-2	PERFORATED PIPE	4" PERFORATED, PVC SDR 35 UNDERDRAIN BELOW PLAY AREA SURFACING PER DETAIL. FIELD ROUTE AND SLOPE 1% MIN. TO STORM DRAIN LINE CONNECTION.	D/LC-4.03
S-3	POP-UP EMITTER	4" POP-UP, GREEN POLY DRAINAGE EMITTER WITH ELBOW AND UNIVERSAL ADAPTER, MODEL #430, FROM NDS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	B/LC-4.03
S-4	ATRIUM DRAIN	4" ROUND, BLACK ATRIUM GRATE, MODEL #78, FROM NDS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	A/LC-4.03
S-5	CATCH BASIN- 24IN	CONSTRUCT 24" SQ. BROOKS PRECAST CATCH BASIN 2424CB OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	PER MFR

PAVING SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
P-1	PEDESTRIAN CONCRETE PAVING	UNCOLORED CONCRETE WITH HEAVY BROOM FINISH PERPENDICULAR TO WALKWAY. SAWCUT CONTROL JOINTS. ADD FELT EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS.	B, C /LC-4.01
P-2	VEHICULAR CONCRETE PAVING	UNCOLORED CONCRETE WITH HEAVY BROOM FINISH PERPENDICULAR TO DRIVEWAY. SAWCUT CONTROL JOINTS. ADD FELT EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS.	E /LC-4.01
P-3	POURED IN PLACE RUBBERIZED SURFACING	SPECTRATURF SPECTRAPOUR SUPREME POURED-IN-PLACE RUBBER PLAY SURFACING WITH UV-STABLE ALIPHATIC RESIN BINDER. COLOR: 50% STANDARD BLUE/50% BLACK. FINAL COLOR SELECTION AND MIX TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. AVAIL. FROM RECWEST, CONTACT SCOTT ANDERSON (818) 735-3838.	A, D /LC-4.01
P-4	FLUSH CONCRETE HEADER	6" WIDE, UNCOLORED CONCRETE HEADER. TOP FLUSH WITH ADJACENT FINISH SURFACE. HEAVY BROOM FINISH.	A /LC-4.01
P-5	RAISED CONCRETE HEADER	6" WIDE, UNCOLORED CONCRETE HEADER. TOP OF CURB 6" MIN. ABOVE ADJACENT FINISH SURFACE. HEAVY BROOM FINISH. SEE GRADING PLAN FOR ELEVATIONS.	D /LC-4.01
P-6	TRIKE TRACK STRIPING	SURFACE PAINTED TRIKE TRACK CROSSWALK AND DIRECTIONAL ARROWS. PAINT CONCRETE WITH 100% ACRYLIC ENAMEL PORCH, FLOOR AND PATIO ANTI-SKID PRIMER AND PAINT FROM VALSPAR OR APPROVED EQUAL. COLORS: SUNSPARK (3010-2) HEX #ffb801.	D / LC-4.02
P-7	HOP SCOTCH STRIPING	SURFACE PAINTED DIMENSIONED HOP SCOTCH GAME. PAINT CONCRETE WITH 100% ACRYLIC ENAMEL PORCH, FLOOR AND PATIO ANTI-SKID PRIMER AND PAINT FROM VALSPAR OR APPROVED EQUAL. COLORS: SUNSPARK (3010-2) HEX #ffb801 AND SEAFROLIC (4008-10A) HEX #53b5df, PER PLAN	F / LC-4.02
P-8	FOUR SQUARE STRIPING	SURFACE PAINTED DIMENSIONED FOUR SQUARE GAME. PAINT CONCRETE WITH 100% ACRYLIC ENAMEL PORCH, FLOOR AND PATIO ANTI-SKID PRIMER AND PAINT FROM VALSPAR OR APPROVED EQUAL. COLORS: SUNSPARK (3010-2) HEX #ffb801 AND SEAFROLIC (4008-10A) HEX #53b5df, PER PLAN	C / LC-4.02
P-9	BALL WALL STRIPING	SURFACE PAINTED DIMENSIONED BALL WALL STRIPING. PAINT CONCRETE WITH 100% ACRYLIC ENAMEL PORCH, FLOOR AND PATIO ANTI-SKID PRIMER AND PAINT FROM VALSPAR OR APPROVED EQUAL. COLORS: SUNSPARK (3010-2) HEX #ffb801 AND SEAFROLIC (4008-10A) HEX #53b5df, PER PLAN	I / LC-4.02
P-10	PLAY SAND	16" MIN. DEPTH, MEDIUM SAND MEETING ASTM C 33 SIZE GRADATION (BY WEIGHT).	G/LC-4.01
P-11	AC PAVING	CONSTRUCT AC PAVEMENT (MATCH EXISTING SECTION OR 4" AC OVER 6" AGG. BASE SECTION, WHICHEVER IS GREATER) PER DETAIL.	F /LC-4.01

WALL AND FENCE SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
W-1	CHAIN LINK FENCE ATOP MOW CURB	3'-6" HT. BLACK, VINYL COATED CHAIN LINK FENCE. WIRE TO BE NO LESS THAN 11 GAUGE WITH 'BLACK', EXTRUDED VINYL COATING; POSTS SHALL BE BLACK GALV. PIPE. OPENINGS IN CHAIN LINK SHALL NOT BE GREATER THAN 2" MEASURED HORIZONTALLY. CENTER FENCE ATOP 12" WIDE, UNCOLORED CONCRETE MOW CURB. REFER TO ARCH PLANS FOR MOW CURB DETAIL.	E/LC-4.02
W-2	PEDESTRIAN GATE	4'-0" WIDE ACCESS GATE, REFER TO ARCHITECT'S PLANS	PER ARCH
W-3	MAINTENANCE GATE	6'-0" WIDE ACCESS GATE, REFER TO ARCHITECT'S PLANS	PER ARCH
W-4	CONCRETE SEAT WALL	STEEL REINFORCED CAST-IN-PLACE CONCRETE SEAT WALL WITH SKATE STOPS, PER DETAIL. UNCOLORED CONCRETE WITH SMOOTH FINISH. SKATE STOPS, GORILLA 135 ALUMINUM, SURFACE MOUNT FROM SKATE STOPPERS.COM.	H,I /LC-4.01
W-5	CONCRETE RETAINING SEAT WALL	STEEL REINFORCED CAST-IN-PLACE CONCRETE SEAT WALL WITH SKATE STOPS, PER DETAIL. UNCOLORED CONCRETE WITH SMOOTH FINISH. SKATE STOPS, GORILLA 135 ALUMINUM, SURFACE MOUNT FROM SKATE STOPPERS.COM.	I / LC-4.01 G/ LC-4.02

PLAYGROUND EQUIPMENT SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
E-1	TK-K LARGE PLAY STRUCTURE	LSI PLAY STRUCTURE, SEE DRAWING #1187356-02-03, GROUND ACCESSIBLE COMPONENTS, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-2	TK-K SINGLE SPINNER	LSI SADDLE SPINNER, #152179, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-3	TK-K ELEVATED SAND PLAY	LSI ELEVATED SAND TABLE, GROUND ACCESSIBLE COMPONENTS,#136233, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-4	TK-K GROUP SEE-SAW	LSI WE-SAW, #186490, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-5	TK-K SINGLE BAY TODDLER SWINGS	LSI HEDRA SWING, SINGLE BAY, #278557, WITH (2) MOLDED BUCKET FULL HARNESS INCLUSIVE SEAT, #218671, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-6	TK-K PRETEND GAS STATION	KOMPAN GAS STATION WITH 2 PUMPS, #NRO513, COLOR: ROBINIA TURQUOISE ROOF, ROBINIA UNT. WOOD BASE, GROUND ACCESSIBLE COMPONENTS, 2-5 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-7	1ST-5TH DOUBLE BAY GROUP SWINGS	LSI OODLE SWING DOUBLE, #210117, 5-12 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-8	1ST-5TH GROUP SPINNER	LSI WE-GO-ROUND W/ SPACE DIGIFUSE PANELS, #249558, 5-12 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-9	1ST-5TH DOUBLE BAY INDIVIDUAL SWINGS	LSI DOUBLE BAY SINGLE POST SWING, #177332, #177333, WITH (2) BELT SWINGS, #174018, AND (2) MOLDED BUCKET FULL HARNESS INCLUSIVE SEAT, #177351, 5-12 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.
E-10	1ST-5TH LARGE CLIMBER STRUCTURE	LSI QUANTIS 8.2 WITH ALPINE SLIDE, #CP020428, 5-12 Y.O. (OWNER FURNISHED, MANUFACTURER INSTALLED) CONTRACTOR SHALL COORDINATE INSTALLATION WITH LANDSCAPE STRUCTURES, INC. REPRESENTATIVE).	PER MANUF.
E-11	1ST-5TH LARGE PLAY STRUCTURE	LSI PLAY STRUCTURE, SEE DRAWING #1187356-02-03, GROUND ACCESSIBLE COMPONENTS, 5-12 Y.O. (OWNER FURNISHED, CONTRACTOR INSTALLED).	PER MANUF.

TERADA ARCHITECTS ROESLING NAKAMURA

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

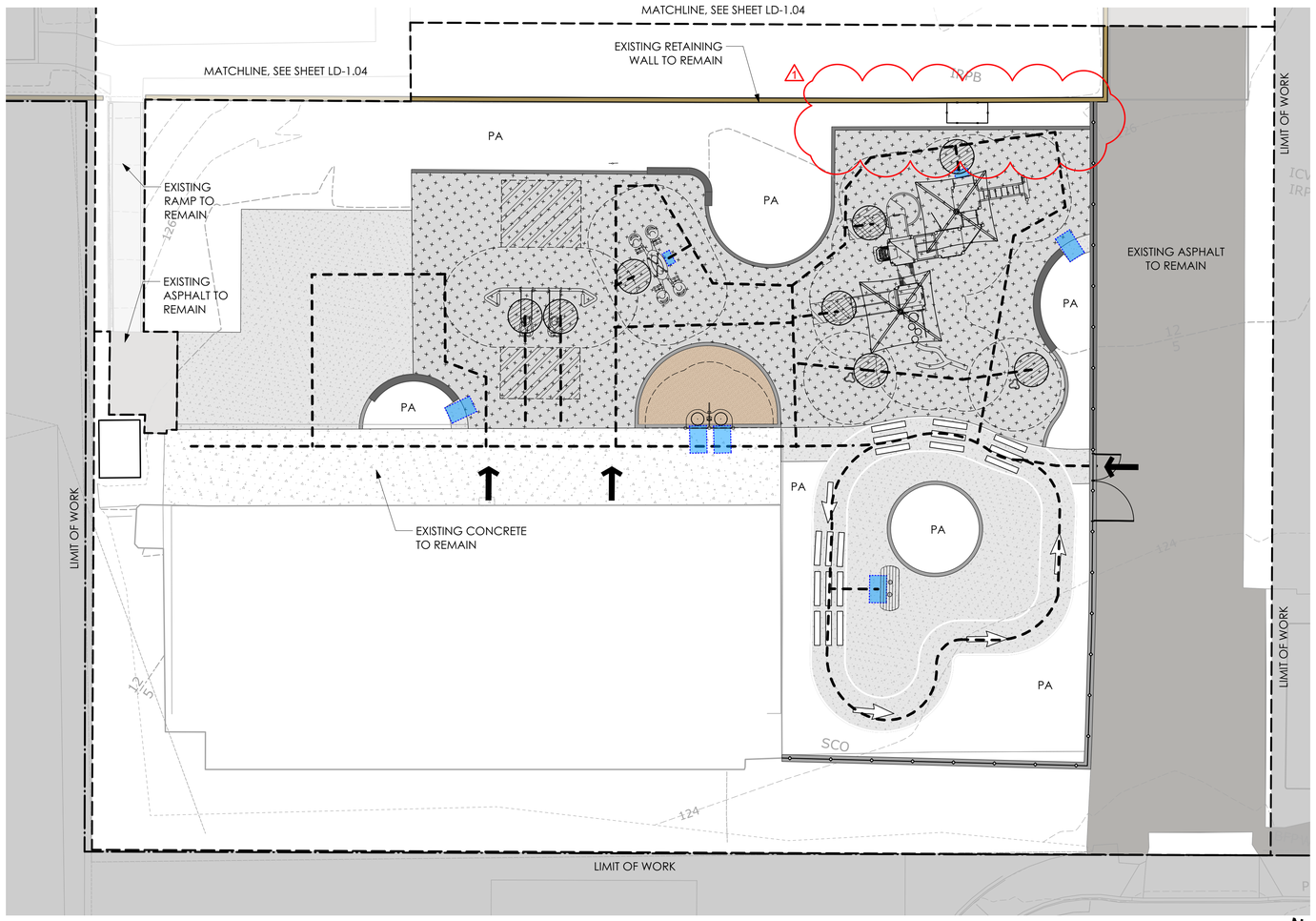
Sheet Name

CONSTRUCTION NOTES & SCHEDULES

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-0.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



TK + KINDERGARTEN PLAYGROUND ACCESSIBILITY PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

SITE ACCESSIBILITY LEGEND

SYMBOL	DESCRIPTION	NOTES
→	PEDESTRIAN POINT OF ACCESS	
	TURNING SPACE	ADA REQUIREMENT- 60" DIAMETER
	ACCESSIBLE PATH OF TRAVEL- GROUND	ACCESSIBLE ROUTE TO ACCESSIBLE GROUND LEVEL PLAY EVENTS. PATH SHALL NOT EXCEED 1.75% CROSS SLOPE IN ANY DIRECTION AND 4.5% RUNNING SLOPE. SEE GRADING PLANS FOR PRECISE GRADING.
	14" x 24" TRANSFER SPACE	PROVIDE MIN. 14" X 24" ACCESSIBLE TRANSFER SPACE CLEAR OF OBSTRUCTIONS. TRANSFER MODULE SHALL MEET THE DIMENSIONS AND STANDARDS OF CBC 11B-1008.3
	30" x 48" CLEAR FLOOR SPACE	PROVIDE MIN. 30" X 48" CLEAR FLOOR SPACE PER CBC 11B-305. SLOPE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING.
	RUBBERIZED PLAY SURFACE - MULTI-DIRECTIONAL	SLIP-RESISTANT, STABLE AND FIRM. RUBBERIZED SURFACE MUST COMPLY WITH ASTM F1951 AND ASTM F1292. SLOPE OF SURFACE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING. SEE CONSTRUCTION SCHEDULE, SHEET LC-0.01 FOR MATERIAL, FINISH AND DETAIL REFERENCES

ACCESSIBLE PLAYGROUND COMPONENTS

ID#	AGE GROUP	DESCRIPTION	PLAY LEVEL	PLAY MFR.	MODEL #
E-1	2-5 Y.O.	TK-K LARGE PLAY STRUCTURE	Ground	LSI	#1187356-02-03
E-2	2-5 Y.O.	TK-K SINGLE SPINNER	Ground	LSI	#152179
E-3	2-5 Y.O.	TK-K ELEVATED SAND PLAY	Ground	LSI	#136233
E-4	2-5 Y.O.	TK-K GROUP SEE-SAW	Ground	LSI	#186490
E-5	2-5 Y.O.	TK-K SINGLE BAY TODDLER SWINGS	Ground	LSI	#278557
E-6	2-5 Y.O.	TK-K PRETEND GAS STATION	Ground	KOMPAN	#NRO513
E-7	5-12 Y.O.	1ST-5TH DOUBLE BAY GROUP SWINGS	Ground	LSI	#210117
E-8	5-12 Y.O.	1ST-5TH GROUP SPINNER	Ground	LSI	#249558
E-9	5-12 Y.O.	1ST-5TH DOUBLE BAY INDIVIDUAL SWINGS	Ground	LSI	#177332 / #177333
E-10	5-12 Y.O.	1ST-5TH LARGE CLIMBER STRUCTURE	Ground	LSI	#CP020428
E-11	5-12 Y.O.	1ST-5TH LARGE PLAY STRUCTURE	Ground	LSI	#1187356-02-03

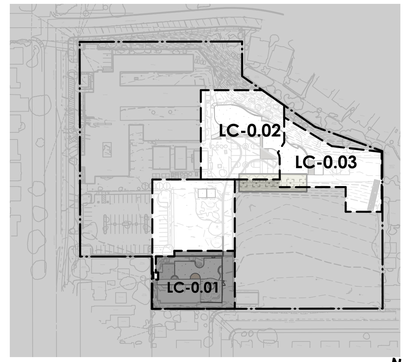
SITE PLAYGROUND ACCESSIBILITY (PER CBC 11B-240.2.1.2)

	DESCRIPTION	# REQUIRED	# PROVIDED
2-5 PLAYGROUND AREA			
	TOTAL ELEVATED PLAY COMPONENTS	--	10
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY RAMP)	0	0
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY TRANSFER)	5	10
	TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	3	8
	TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	6	6

ACCESSIBILITY NOTES

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 1:20 UNLESS OTHERWISE INDICATED. SEE GRADING PLANS FOR PRECISE GRADING.
2. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN., AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". OWNER'S REPRESENTATIVE SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
3. REFER TO SHEET LC-1.01 FOR CONSTRUCTION PLAN

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

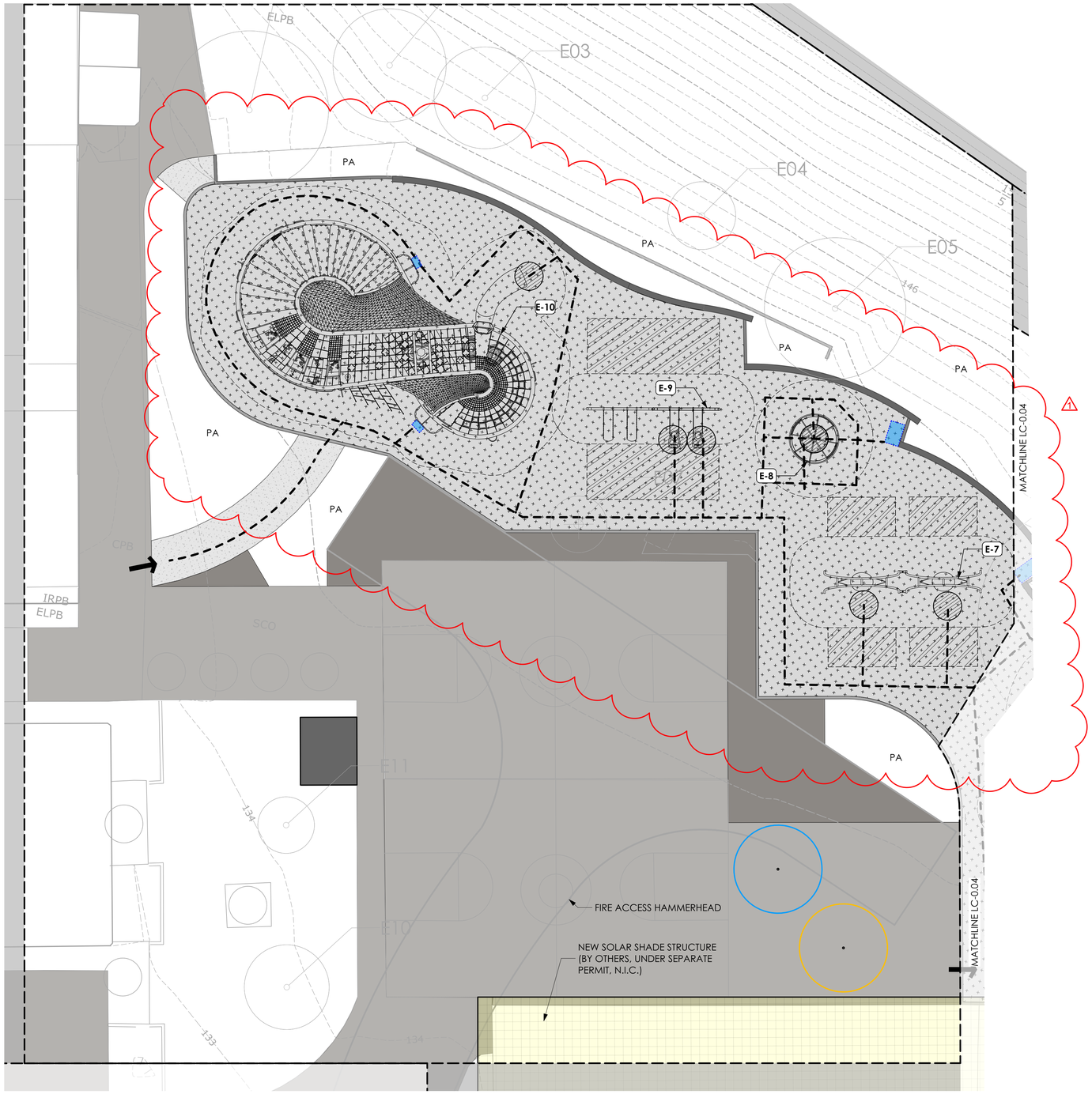
Sheet Name

PLAYGROUND ACCESSIBILITY PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-0.02

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND ACCESSIBILITY PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

SITE ACCESSIBILITY LEGEND

SYMBOL	DESCRIPTION	NOTES
→	PEDESTRIAN POINT OF ACCESS	
	TURNING SPACE	ADA REQUIREMENT- 60" DIAMETER
	ACCESSIBLE PATH OF TRAVEL- GROUND	ACCESSIBLE ROUTE TO ACCESSIBLE GROUND LEVEL PLAY EVENTS. PATH SHALL NOT EXCEED 1.75% CROSS SLOPE IN ANY DIRECTION AND 4.5% RUNNING SLOPE. SEE GRADING PLANS FOR PRECISE GRADING.
	14" x 24" TRANSFER SPACE	PROVIDE MIN. 14" X 24" ACCESSIBLE TRANSFER SPACE CLEAR OF OBSTRUCTIONS. TRANSFER MODULE SHALL MEET THE DIMENSIONS AND STANDARDS OF CBC 11B-1008.3
	30" x 48" CLEAR FLOOR SPACE	PROVIDE MIN. 30" X 48" CLEAR FLOOR SPACE PER CBC 11B-305. SLOPE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING.
	RUBBERIZED PLAY SURFACE - MULTI-DIRECTIONAL	SLIP-RESISTANT, STABLE AND FIRM. RUBBERIZED SURFACE MUST COMPLY WITH ASTM F1951 AND ASTM F1292. SLOPE OF SURFACE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING. SEE CONSTRUCTION SCHEDULE, SHEET LC-0.01 FOR MATERIAL, FINISH AND DETAIL REFERENCES

ACCESSIBLE PLAYGROUND COMPONENTS

ID#	AGE GROUP	DESCRIPTION	PLAY LEVEL	PLAY MFR.	MODEL #
E-7	5-12 Y.O.	1ST-5TH DOUBLE BAY GROUP SWINGS	Ground	LSI	#210117
E-8	5-12 Y.O.	1ST-5TH GROUP SPINNER	Ground	LSI	#249558
E-9	5-12 Y.O.	1ST-5TH DOUBLE BAY INDIVIDUAL SWINGS	Ground	LSI	#177332 / #177333
E-10	5-12 Y.O.	1ST-5TH LARGE CLIMBER STRUCTURE	Ground	LSI	#CP020428
E-11	5-12 Y.O.	1ST-5TH LARGE PLAY STRUCTURE	Ground	LSI	#1187356-02-03

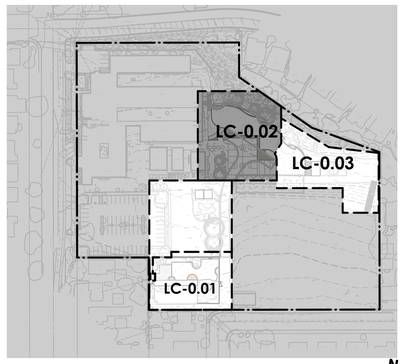
SITE PLAYGROUND ACCESSIBILITY (PER CBC 11B-240.2.1.2)

	DESCRIPTION	# REQUIRED	# PROVIDED
5-12 PLAYGROUND AREA			
	TOTAL ELEVATED PLAY COMPONENTS	--	17
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY RAMP)	0	0
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY TRANSFER)	9	10
	TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6	15
	TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	9	9

ACCESSIBILITY NOTES

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 1:20 UNLESS OTHERWISE INDICATED. SEE GRADING PLANS FOR PRECISE GRADING.
2. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN., AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". OWNER'S REPRESENTATIVE SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
3. REFER TO SHEET LC-1.01 FOR CONSTRUCTION PLAN

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

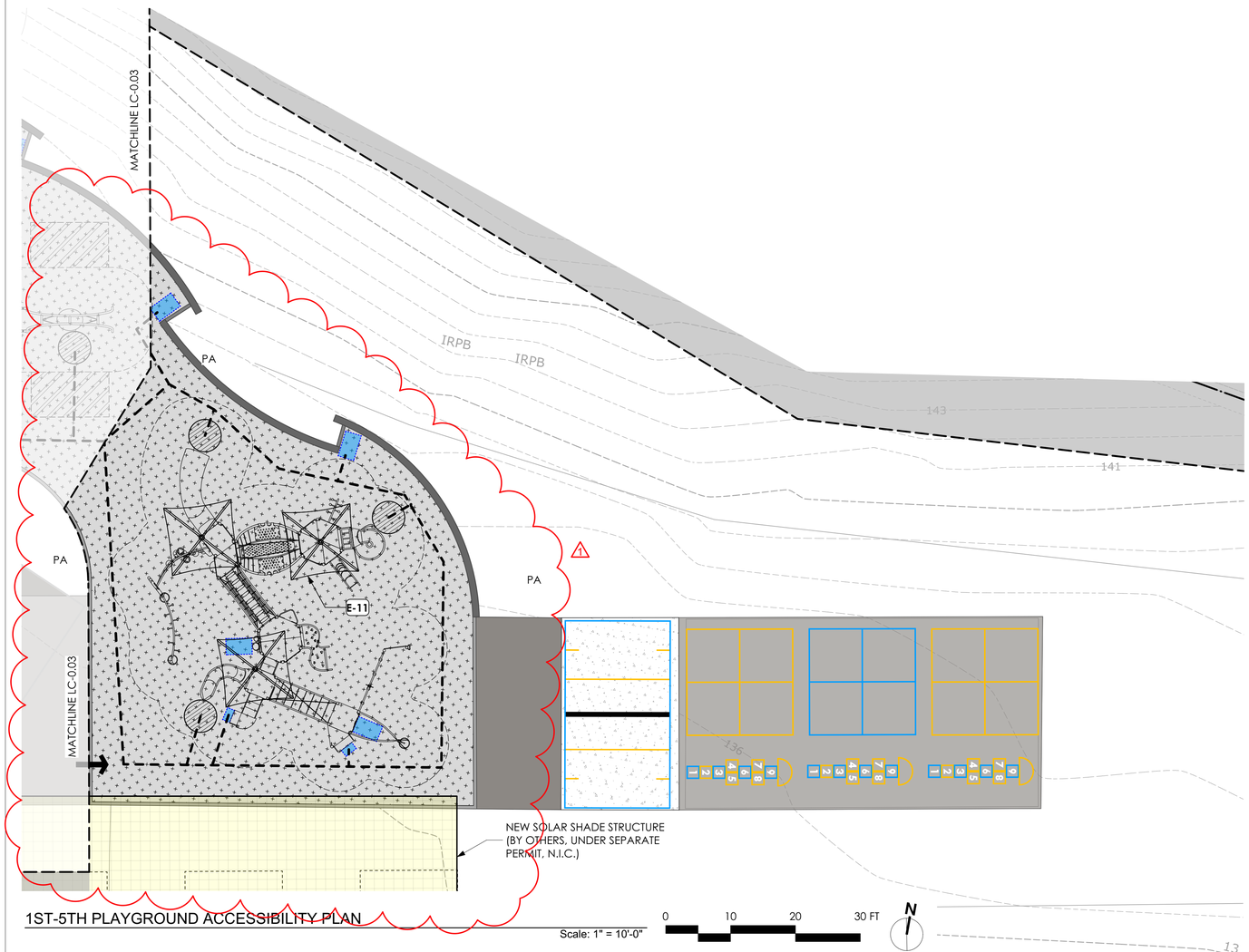
Sheet Name

PLAYGROUND ACCESSIBILITY PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-0.03

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND ACCESSIBILITY PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

SITE ACCESSIBILITY LEGEND

SYMBOL	DESCRIPTION	NOTES
→	PEDESTRIAN POINT OF ACCESS	
	TURNING SPACE	ADA REQUIREMENT- 60" DIAMETER
- - - -	ACCESSIBLE PATH OF TRAVEL- GROUND	ACCESSIBLE ROUTE TO ACCESSIBLE GROUND LEVEL PLAY EVENTS. PATH SHALL NOT EXCEED 1.75% CROSS SLOPE IN ANY DIRECTION AND 4.5% RUNNING SLOPE. SEE GRADING PLANS FOR PRECISE GRADING.
	14" x 24" TRANSFER SPACE	PROVIDE MIN. 14" X 24" ACCESSIBLE TRANSFER SPACE CLEAR OF OBSTRUCTIONS. TRANSFER MODULE SHALL MEET THE DIMENSIONS AND STANDARDS OF CBC 11B-1008.3
	30" x 48" CLEAR FLOOR SPACE	PROVIDE MIN. 30" X 48" CLEAR FLOOR SPACE PER CBC 11B-305. SLOPE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING.
	RUBBERIZED PLAY SURFACE - MULTI-DIRECTIONAL	SLIP-RESISTANT, STABLE AND FIRM. RUBBERIZED SURFACE MUST COMPLY WITH ASTM F1951 AND ASTM F1292. SLOPE OF SURFACE SHALL NOT EXCEED 1.75% IN ANY DIRECTION. SEE GRADING PLANS FOR PRECISE GRADING. SEE CONSTRUCTION SCHEDULE, SHEET LC-0.01 FOR MATERIAL, FINISH AND DETAIL REFERENCES

ACCESSIBLE PLAYGROUND COMPONENTS

ID#	AGE GROUP	DESCRIPTION	PLAY LEVEL	PLAY MFR.	MODEL #
E-7	5-12 Y.O.	1ST-5TH DOUBLE BAY GROUP SWINGS	Ground	LSI	#210117
E-8	5-12 Y.O.	1ST-5TH GROUP SPINNER	Ground	LSI	#249558
E-9	5-12 Y.O.	1ST-5TH DOUBLE BAY INDIVIDUAL SWINGS	Ground	LSI	#177332 / #177333
E-10	5-12 Y.O.	1ST-5TH LARGE CLIMBER STRUCTURE	Ground	LSI	#CP020428
E-11	5-12 Y.O.	1ST-5TH LARGE PLAY STRUCTURE	Ground	LSI	#1187356-02-03

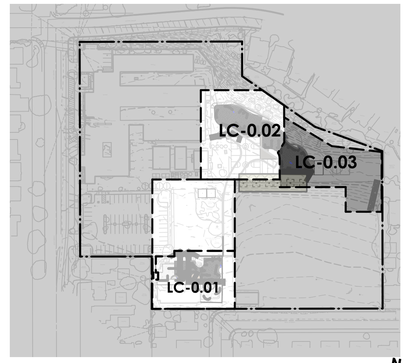
SITE PLAYGROUND ACCESSIBILITY (PER CBC 11B-240.2.1.2)

	DESCRIPTION	# REQUIRED	# PROVIDED
5-12 PLAYGROUND AREA			
	TOTAL ELEVATED PLAY COMPONENTS	--	17
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY RAMP)	0	0
	TOTAL ELEVATED ACCESSIBLE COMPONENTS (BY TRANSFER)	9	10
	TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6	15
	TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	9	9

ACCESSIBILITY NOTES

1. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 1:20 UNLESS OTHERWISE INDICATED. SEE GRADING PLANS FOR PRECISE GRADING.
2. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN., AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". OWNER'S REPRESENTATIVE SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
3. REFER TO SHEET LC-1.01 FOR CONSTRUCTION PLAN

KEY MAP



Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

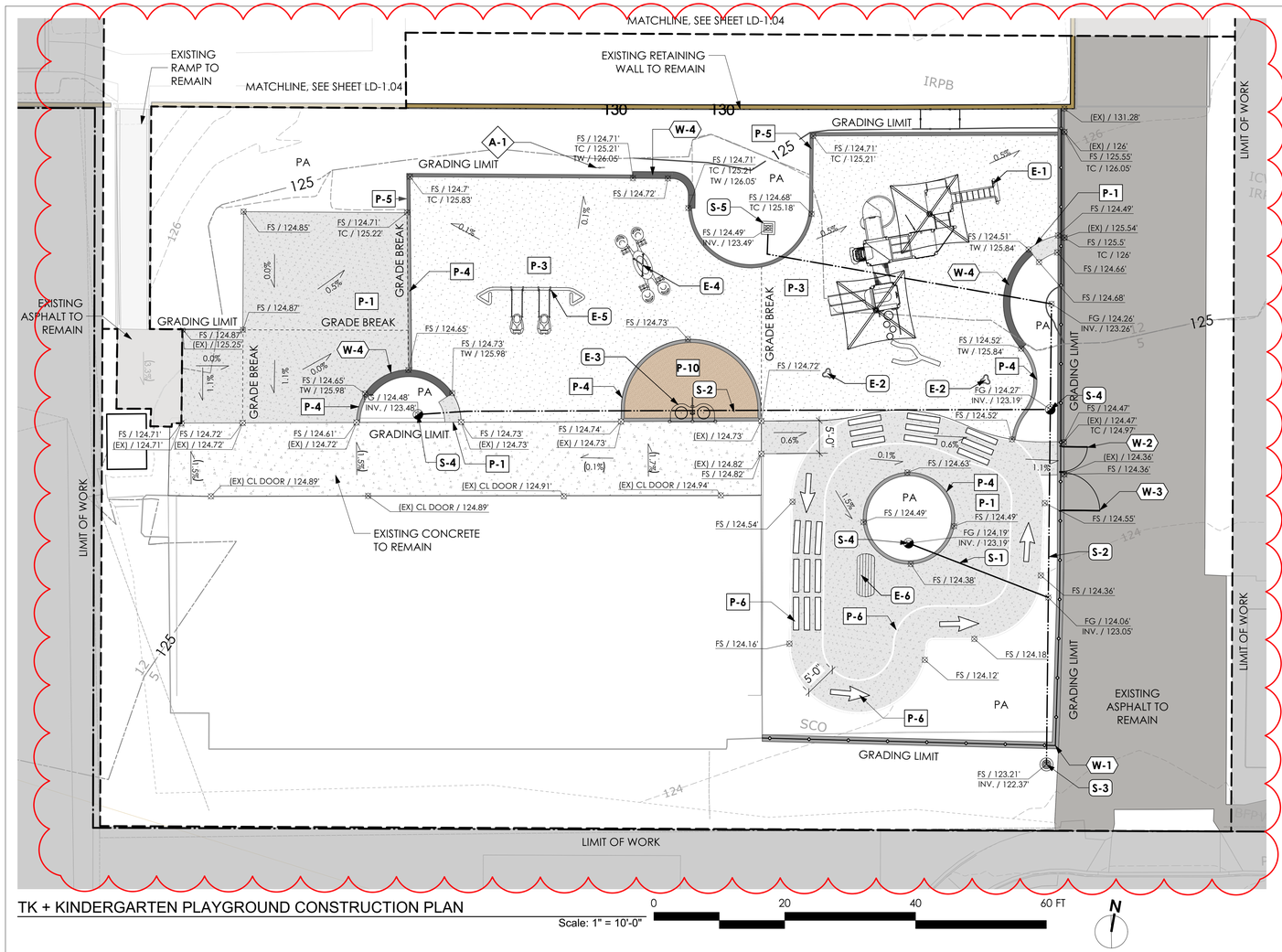
Sheet Name

PLAYGROUND ACCESSIBILITY PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-0.04

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



TK + KINDERGARTEN PLAYGROUND CONSTRUCTION PLAN

Scale: 1" = 10'-0"

CONSTRUCTION NOTES

1. SEE SHEET LC-0.01 FOR CONSTRUCTION SCHEDULES AND NOTES.

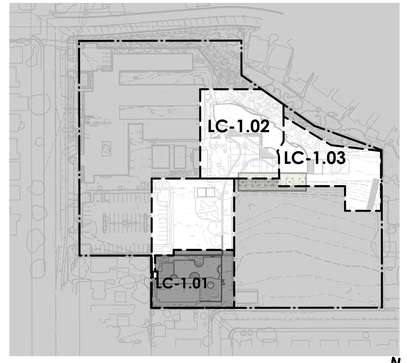
CONSTRUCTION SCHEDULE (THIS SHEET)

ID#	DESCRIPTION
PAVING	
P-1	PEDESTRIAN CONCRETE PAVING
P-3	POURED IN PLACE RUBBERIZED SURFACING
P-4	FLUSH CONCRETE HEADER
P-5	RAISED CONCRETE HEADER
P-6	TRIKE TRACK STRIPING
P-10	PLAY SAND
AMENITIES	
A-1	TK/K PLAYGROUND SIGNAGE
PLAY EQUIPMENT	
E-1	TK-K LARGE PLAY STRUCTURE
E-2	TK-K SINGLE SPINNER
E-3	TK-K ELEVATED SAND PLAY
E-4	TK-K GROUP SEE-SAW
E-5	TK-K SINGLE BAY TODDLER SWINGS
E-6	TK-K PRETEND GAS STATION
WALLS AND FENCES	
W-1	CHAIN LINK FENCE ATOP MOW CURB
W-2	PEDESTRIAN GATE
W-3	MAINTENANCE GATE
W-4	CONCRETE SEAT WALL
STORMWATER AND DRAINAGE	
S-1	DRAIN PIPE
S-2	PERFORATED PIPE
S-3	POP-UP EMITTER
S-4	ATRIUM DRAIN
S-5	CATCH BASIN- 24IN

LINETYPE LEGEND

- GRADING LIMIT LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- GRADE BREAK
- PERFORATED DRAIN PIPE
- DRAIN PIPE
- CHAINLINK FENCE

KEY MAP



Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

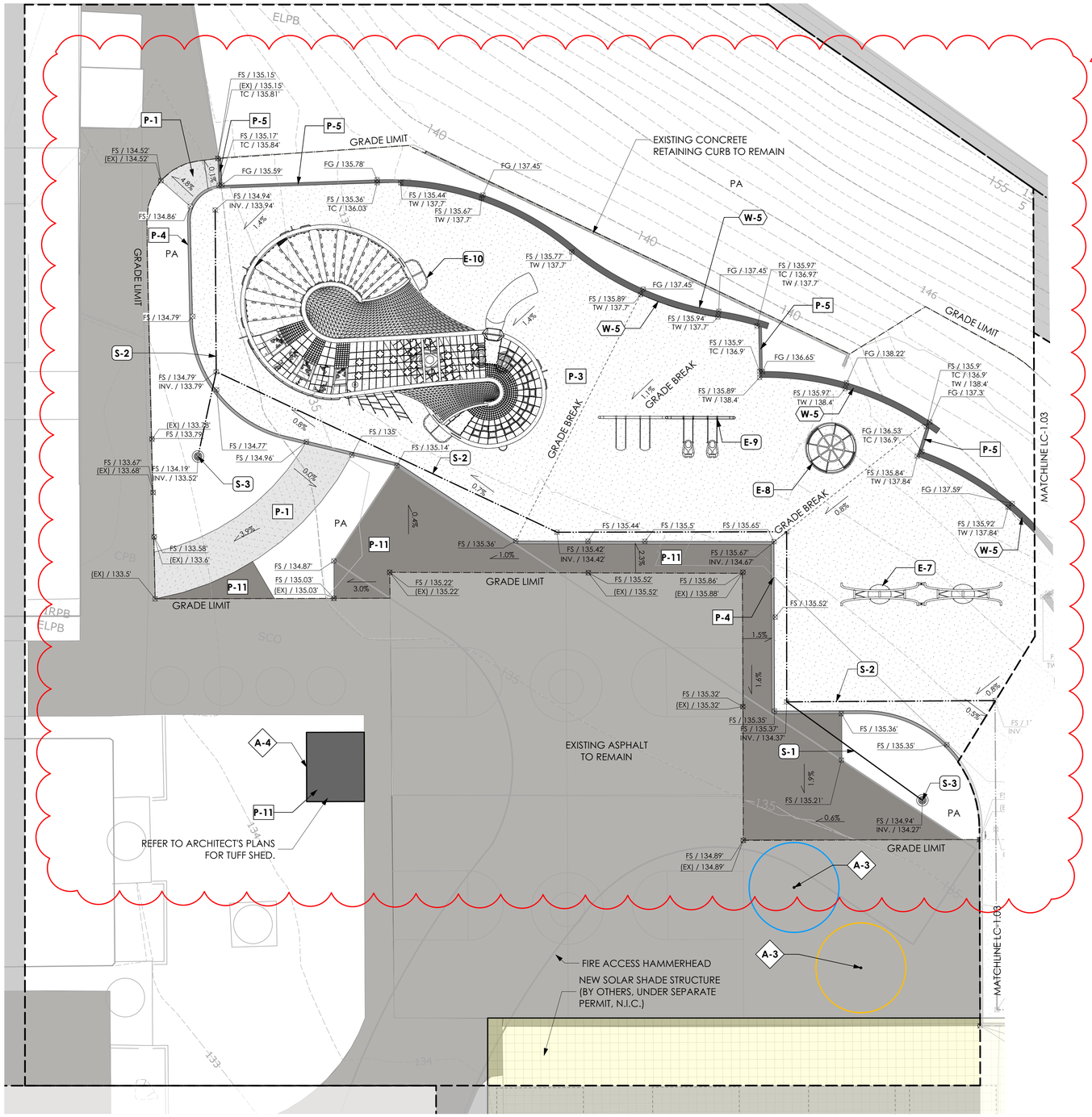
Sheet Name

CONSTRUCTION & GRADING PLANS

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-1.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND CONSTRUCTION PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

CONSTRUCTION NOTES

1. SEE SHEET LC-0.01 FOR CONSTRUCTION SCHEDULES AND NOTES.

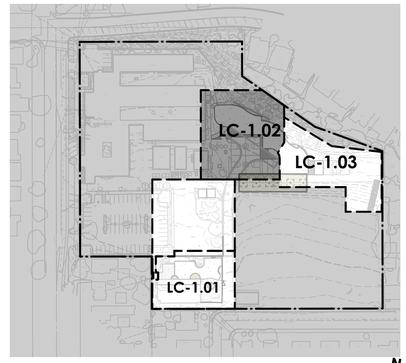
CONSTRUCTION SCHEDULE (THIS SHEET)

ID#	DESCRIPTION
PAVING	
P-1	PEDESTRIAN CONCRETE PAVING
P-3	POURED IN PLACE RUBBERIZED SURFACING
P-4	FLUSH CONCRETE HEADER
P-5	RAISED CONCRETE HEADER
P-11	AC PAVING
AMENITIES	
A-3	TETHERBALL POST
A-4	SHED
PLAY EQUIPMENT	
E-7	1ST-5TH DOUBLE BAY GROUP SWINGS
E-8	1ST-5TH GROUP SPINNER
E-9	1ST-5TH DOUBLE BAY INDIVIDUAL SWINGS
E-10	1ST-5TH LARGE CLIMBER STRUCTURE
WALLS AND FENCES	
W-5	CONCRETE RETAINING SEAT WALL
STORMWATER AND DRAINAGE	
S-1	DRAIN PIPE
S-2	PERFORATED PIPE
S-3	POP-UP EMITTER

LINETYPE LEGEND

- GRADING LIMIT LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- GRADE BREAK
- PERFORATED DRAIN PIPE
- DRAIN PIPE
- CHAINLINK FENCE

KEY MAP



0 100 200 FT

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

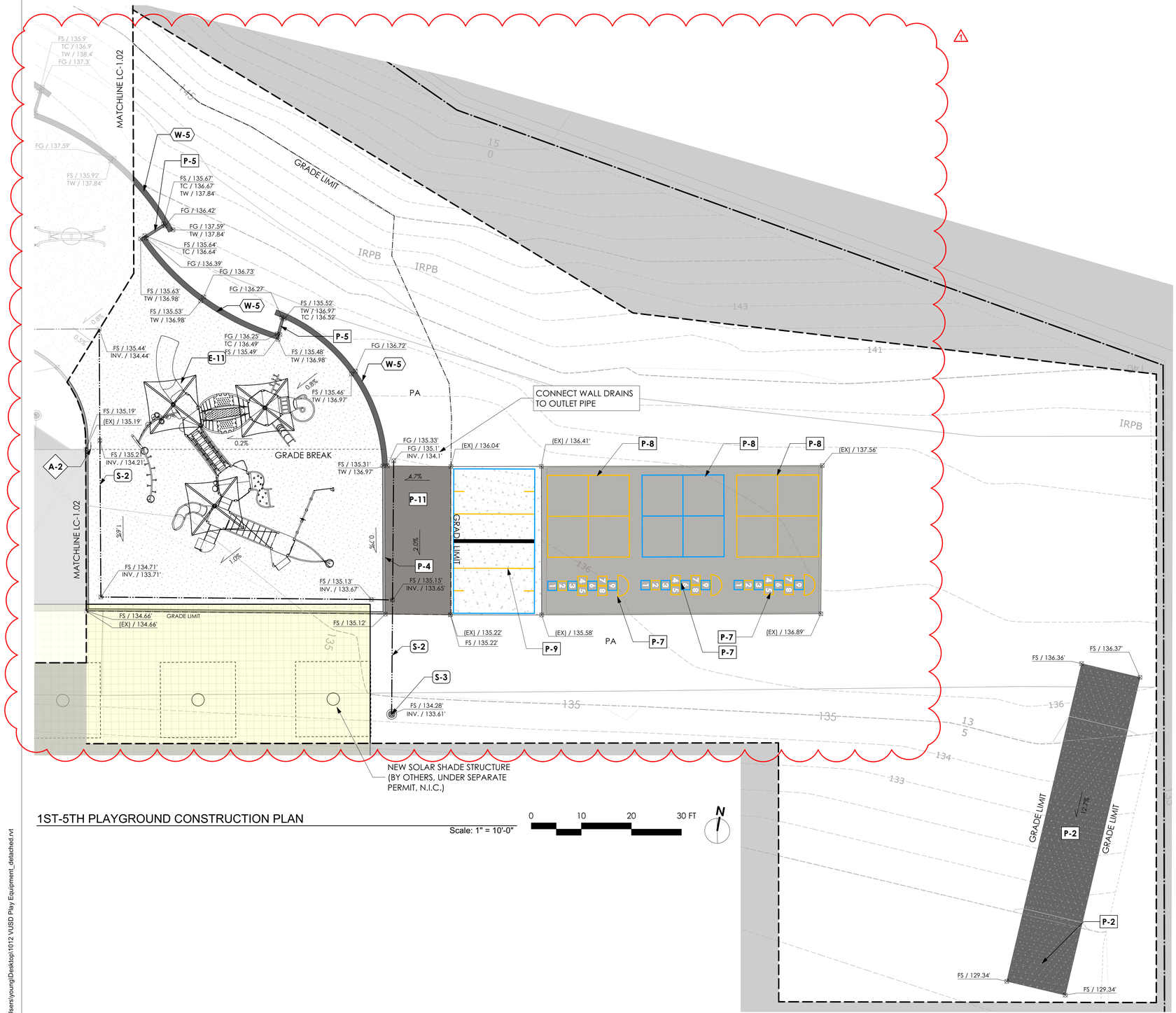
Sheet Name

CONSTRUCTION & GRADING PLANS

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-1.02

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND CONSTRUCTION PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

CONSTRUCTION NOTES

1. SEE SHEET LC-0.01 FOR CONSTRUCTION SCHEDULES AND NOTES.

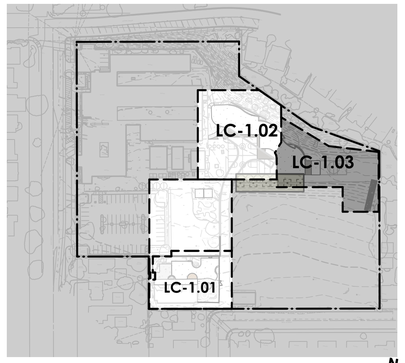
CONSTRUCTION SCHEDULE (THIS SHEET)

ID#	DESCRIPTION
PAVING	
P-2	VEHICULAR CONCRETE PAVING
P-4	FLUSH CONCRETE HEADER
P-5	RAISED CONCRETE HEADER
P-7	HOP SCOTCH STRIPING
P-8	FOUR SQUARE STRIPING
P-9	BALL WALL STRIPING
P-11	AC PAVING
AMENITIES	
A-2	1ST-5TH PLAYGROUND SIGNAGE
PLAY EQUIPMENT	
E-11	1ST-5TH LARGE PLAY STRUCTURE
WALLS AND FENCES	
W-5	CONCRETE RETAINING SEAT WALL
STORMWATER AND DRAINAGE	
S-2	PERFORATED PIPE
S-3	POP-UP EMITTER

LINETYPE LEGEND

- GRADING LIMIT LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- GRADE BREAK
- PERFORATED DRAIN PIPE
- DRAIN PIPE
- CHAINLINK FENCE

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

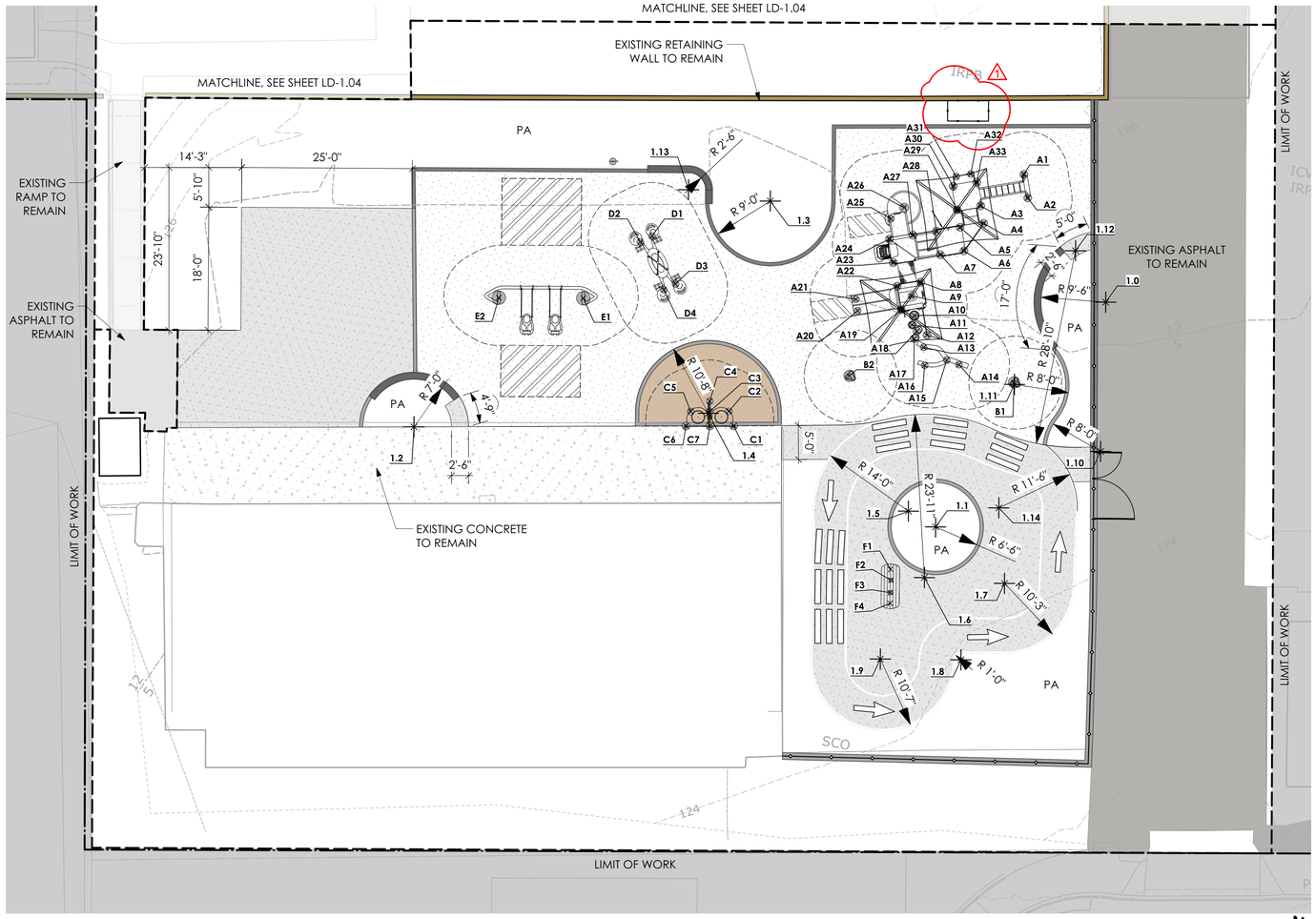
Sheet Name

CONSTRUCTION & GRADING PLANS

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-1.03

C:\Users\vyung\Desktop\1012 VUSD Play Equipment_detached.rvt



TK + KINDERGARTEN PLAYGROUND FOOTING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

PLAYGROUND FOOTING LEGEND

ID	EASTING	NORTHING
1 - TK-K LARGE PLAY STRUCTURE		
A1	6197111.56	1917387.91
A2	6197112.73	1917384.61
A3	6197106.12	1917382.29
A4	6197106.99	1917379.83
A5	6197103.69	1917378.66
A6	6197104.85	1917375.36
A7	6197101.55	1917374.20
A8	6197099.41	1917369.73
A9	6197098.41	1917367.53
A10	6197099.31	1917364.75
A11	6197099.22	1917363.35
A12	6197101.64	1917362.26
A13	6197101.47	1917360.41
A14	6197107.01	1917358.79
A15	6197105.13	1917359.14
A16	6197102.07	1917357.83
A17	6197099.90	1917361.43
A18	6197100.09	1917362.58
A19	6197097.28	1917365.27
A20	6197091.02	1917364.04
A21	6197090.47	1917365.61
A22	6197096.11	1917368.57
A23	6197094.95	1917371.87
A24	6197093.79	1917375.17
A25	6197093.50	1917378.16
A26	6197095.12	1917380.08
A27	6197097.09	1917376.34
A28	6197100.39	1917377.50
A29	6197102.82	1917381.12
A30	6197101.66	1917384.42
A31	6197101.85	1917385.90
A32	6197103.89	1917386.62
A33	6197104.96	1917385.59
2 - SADDLE SPINNERS		
B1	6197115.41	1917357.62
B2	6197091.48	1917354.41
3 - ELEVATED SAND PLAY		
C1	6197076.04	1917344.26
C2	6197074.96	1917346.23
C3	6197072.22	1917345.73
C4	6197071.95	1917347.22
C5	6197069.47	1917345.24
C6	6197069.14	1917343.03
C7	6197072.59	1917343.64
4 - GROUP SEESAW		
D1	6197059.45	1917369.62
D2	6197057.90	1917368.49
D3	6197064.05	1917363.28
D4	6197062.50	1917362.16
5 - SINGLE BAY SWINGS		
E1	6197051.09	1917358.91
E2	6197038.89	1917356.85
6 - PRETEND GAS STATION		
F1	6197102.30	1917327.51
F2	6197102.63	1917325.94
F3	6197102.86	1917324.14
F4	6197103.11	1917322.59

PLAY STRUCTURE FOOTING NOTES

1. CONTRACTOR SHALL CONFIRM FALL ZONE COMPLIANCE WHEN LAYING OUT PLAY EQUIPMENT, FOOTINGS AND ADJACENT SAFETY SURFACE EDGE CONDITIONS. NOTIFY DISTRICT REPRESENTATIVE IF CONFLICTS BETWEEN PLAYGROUND LAYOUT, SAFETY SURFACE EDGE CONDITIONS, OR ADJACENT EQUIPMENT INSTALLATIONS EXISTS. ANY ADJUSTMENTS TO THE LAYOUT REQUIRED TO MEET FALL ZONE COMPLIANCE WILL BE AT THE CONTRACTOR'S EXPENSE.

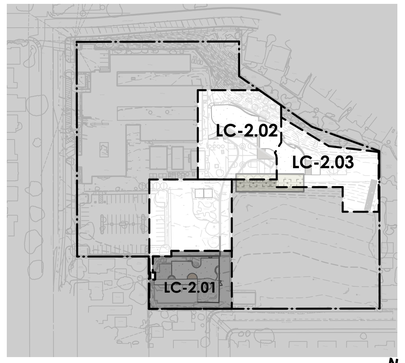
NOTE:

1. THIS TABLE SHALL SUPERCEDE MAUFACTURER'S ORDINATE TABLE.
2. REFERENCE MANUFACTURER'S FOOTING TABLE FOR FOOTING TYPES AND SIZES.

SITE FEATURES LAYOUT TABLE

ID	EASTING	NORTHING
1.0	6197126.61	1917371.53
1.1	6197107.74	1917334.77
1.2	6197029.91	1917336.04
1.3	6197075.64	1917377.65
1.4	6197072.06	1917345.44
1.5	6197103.41	1917336.36
1.6	6197107.40	1917327.16
1.7	6197119.11	1917328.36
1.8	6197114.76	1917316.21
1.9	6197103.10	1917314.29
1.10	6197129.65	1917349.84
1.11	6197115.52	1917357.35
1.12	6197120.96	1917378.19
1.13	6197063.55	1917377.22
1.14	6197116.38	1917339.11

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

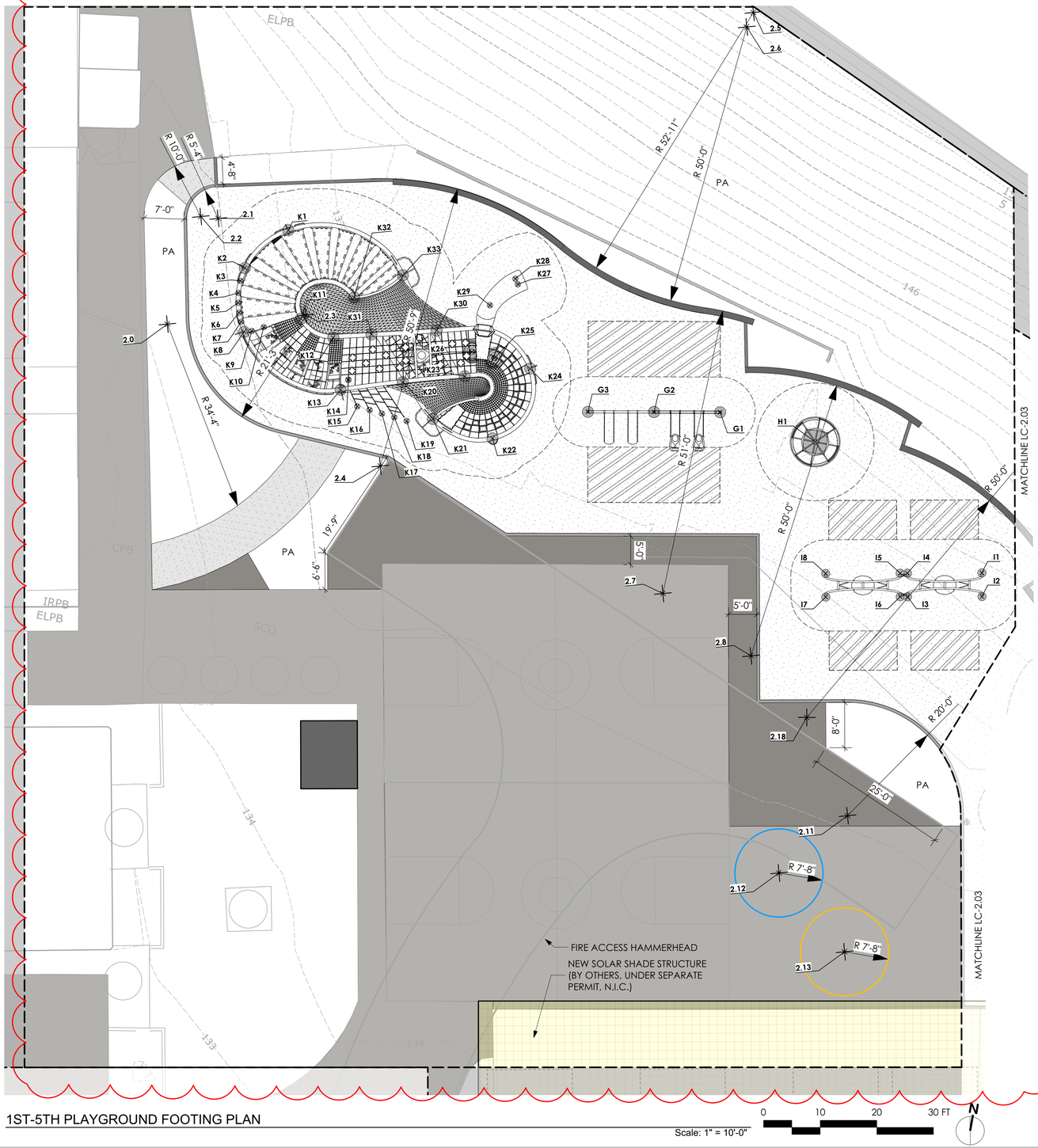
Sheet Name

HORIZONTAL CONTROL PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-2.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND FOOTING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt

PLAYGROUND FOOTING LEGEND

ID	EASTING	NORTHING
7 - 1st-5th QUANTIS		
K1	6197069.96	1917705.05
K2	6197063.52	1917697.18
K3	6197063.15	1917694.81
K4	6197063.12	1917692.66
K5	6197063.36	1917690.93
K6	6197063.83	1917689.25
K7	6197064.48	1917687.72
K8	6197065.28	1917686.05
K9	6197066.60	1917686.44
K10	6197068.55	1917687.45
K11	6197074.76	1917690.00
K12	6197080.97	1917687.69
K13	6197083.78	1917678.83
K14	6197084.83	1917680.79
K15	6197087.18	1917676.42
K16	6197089.42	1917676.16
K17	6197091.68	1917675.89
K18	6197093.93	1917675.62
K19	6197096.19	1917675.35
K20	6197094.38	1917681.98
K21	6197100.72	1917676.48
K22	6197111.65	1917674.86
K23	6197104.99	1917684.84
K24	6197116.13	1917688.13
K25	6197109.61	1917688.88
K26	6197105.51	1917689.33
K27	6197111.49	1917702.43
K28	6197110.91	1917703.32
K29	6197107.26	1917697.95
K30	6197098.73	1917691.97
K31	6197087.49	1917689.38
K32	6197083.39	1917695.29
K33	6197091.22	1917700.59
8 - DOUBLE BAY SWING SET		
G1	6197150.48	1917686.15
G2	6197138.98	1917684.23
G3	6197127.47	1917682.31
9 - INCLUSIVE MERRY GO ROUND		
H1	6197167.90	1917683.80
10 - GROUP SWINGS		
I1	6197200.79	1917665.93
I2	6197201.51	1917661.82
I3	6197188.55	1917659.58
I4	6197187.84	1917663.68
I5	6197186.57	1917663.46
I6	6197187.29	1917659.36
I7	6197174.34	1917657.11
I8	6197173.62	1917661.21

PLAY STRUCTURE FOOTING NOTES

1. CONTRACTOR SHALL CONFIRM FALL ZONE COMPLIANCE WHEN LAYING OUT PLAY EQUIPMENT, FOOTINGS AND ADJACENT SAFETY SURFACE EDGE CONDITIONS. NOTIFY DISTRICT REPRESENTATIVE IF CONFLICTS BETWEEN PLAYGROUND LAYOUT, SAFETY SURFACE EDGE CONDITIONS, OR ADJACENT EQUIPMENT INSTALLATIONS EXISTS. ANY ADJUSTMENTS TO THE LAYOUT REQUIRED TO MEET FALL ZONE COMPLIANCE WILL BE AT THE CONTRACTOR'S EXPENSE.

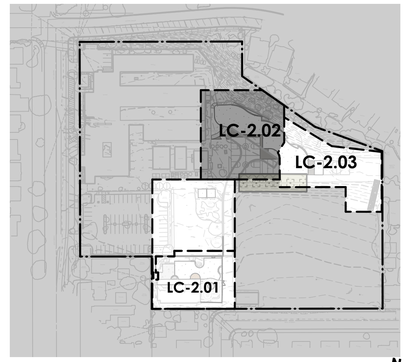
NOTE:

1. THIS TABLE SHALL SUPERCEDE MAUFACTURER'S ORDINATE TABLE.
2. REFERENCE MANUFACTURER'S FOOTING TABLE FOR FOOTING TYPES AND SIZES.

SITE FEATURES LAYOUT TABLE

ID	EASTING	NORTHING
2.0	6197051.69	1917685.13
2.1	6197057.40	1917705.02
2.2	6197054.32	1917704.84
2.3	6197075.54	1917690.80
2.4	6197092.95	1917666.72
2.5	6197144.44	1917756.71
2.6	6197143.72	1917753.99
2.7	6197145.90	1917652.90
2.8	6197163.06	1917644.65
2.9	6197245.08	1917699.99
2.10	6197230.64	1917621.10
2.11	6197184.60	1917619.70
2.12	6197174.37	1917607.70
2.13	6197188.11	1917595.92
2.14	6197407.79	1917612.44
2.15	6197419.77	1917611.69
2.16	6197403.72	1917547.40
2.17	6197415.69	1917546.65
2.18	6197174.60	1917635.60

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

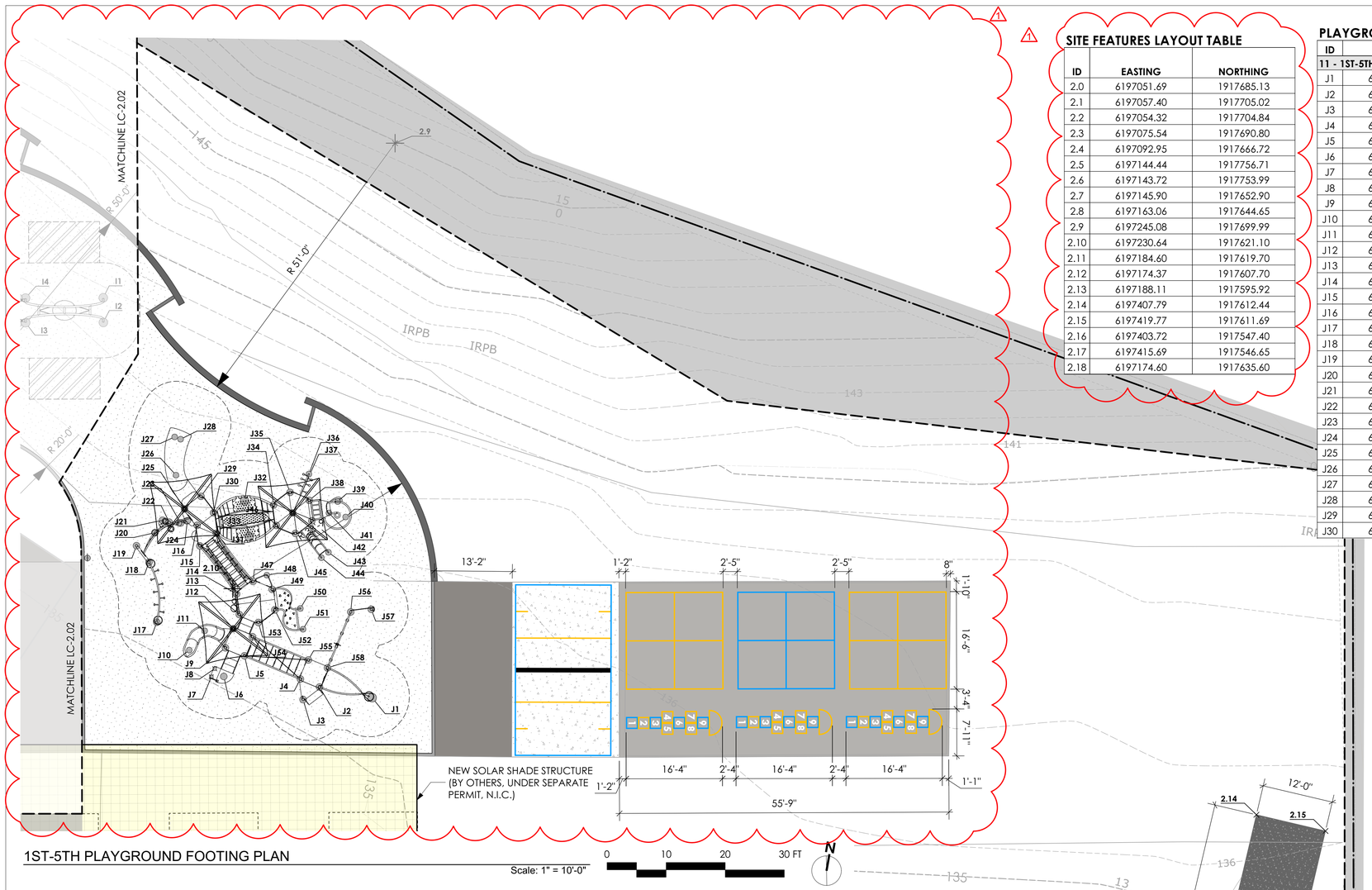
No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

HORIZONTAL CONTROL PLAN

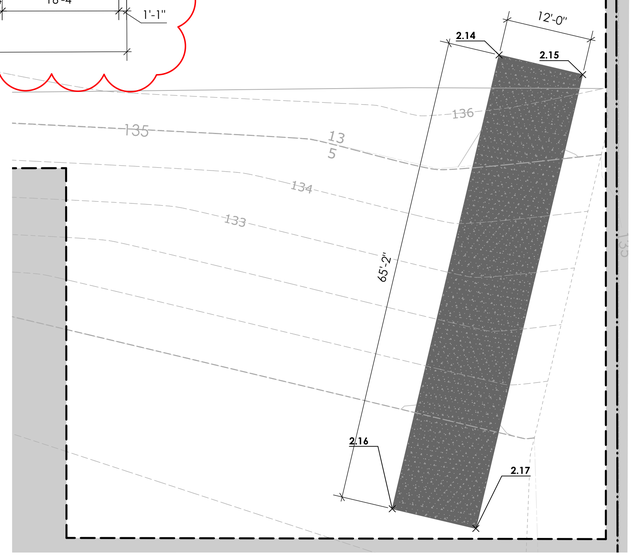
Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-2.02



1ST-5TH PLAYGROUND FOOTING PLAN

Scale: 1" = 10'-0"



SITE FEATURES LAYOUT TABLE

ID	EASTING	NORTHING
2.0	6197051.69	1917685.13
2.1	6197057.40	1917705.02
2.2	6197054.32	1917704.84
2.3	6197075.54	1917690.80
2.4	6197092.95	1917666.72
2.5	6197144.44	1917756.71
2.6	6197143.72	1917753.99
2.7	6197145.90	1917652.90
2.8	6197163.06	1917644.65
2.9	6197245.08	1917699.99
2.10	6197230.64	1917621.10
2.11	6197184.60	1917619.70
2.12	6197174.37	1917607.70
2.13	6197188.11	1917595.92
2.14	6197407.79	1917612.44
2.15	6197419.77	1917611.69
2.16	6197403.72	1917547.40
2.17	6197415.69	1917546.65
2.18	6197174.60	1917635.60

PLAYGROUND FOOTING LEGEND

ID	EASTING	NORTHING
11 - 1ST-5TH LARGE PLAY STRUCTURE		
J1	6197256.98	1917606.87
J2	6197247.91	1917607.16
J3	6197245.52	1917604.60
J4	6197244.49	1917607.95
J5	6197234.51	1917610.24
J6	6197231.64	1917606.21
J7	6197229.57	1917605.78
J8	6197229.90	1917607.25
J9	6197231.10	1917611.02
J10	6197225.13	1917609.62
J11	6197227.16	1917613.27
J12	6197231.88	1917614.43
J13	6197232.46	1917616.97
J14	6197231.44	1917620.32
J15	6197223.93	1917627.30
J16	6197222.91	1917630.65
J17	6197218.92	1917613.35
J18	6197215.92	1917623.15
J19	6197213.36	1917625.53
J20	6197216.08	1917628.22
J21	6197216.99	1917630.52
J22	6197218.15	1917630.39
J23	6197220.07	1917630.57
J24	6197221.14	1917631.14
J25	6197220.34	1917633.03
J26	6197217.95	1917638.42
J27	6197216.65	1917644.75
J28	6197217.70	1917644.54
J29	6197222.73	1917635.60
J30	6197225.29	1917633.21
J31	6197226.32	1917629.87
J32	6197230.13	1917636.05
J33	6197231.91	1917630.23
J34	6197235.09	1917636.22
J35	6197237.47	1917638.78
J36	6197240.09	1917642.37
J37	6197238.50	1917635.44
J38	6197240.88	1917638.00
J39	6197245.67	1917638.60
J40	6197247.44	1917636.25
J41	6197244.54	1917636.45
J42	6197241.91	1917634.65
J43	6197245.57	1917629.88
J44	6197244.55	1917628.78
J45	6197239.53	1917632.09
J46	6197236.12	1917632.87
J47	6197233.82	1917622.88
J48	6197235.94	1917624.31
J49	6197237.23	1917622.10
J50	6197242.48	1917619.72
J51	6197243.52	1917616.32
J52	6197238.26	1917618.75
J53	6197235.87	1917616.19
J54	6197235.29	1917613.65
J55	6197245.28	1917611.36
J56	6197250.98	1917620.56
J57	6197254.33	1917621.59
J58	6197248.69	1917610.57

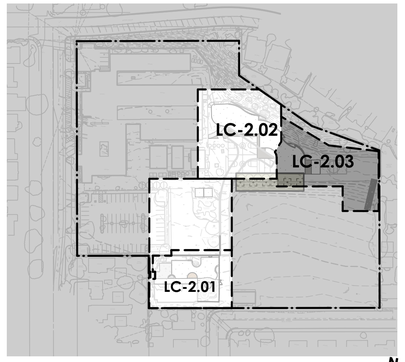
PLAY STRUCTURE FOOTING NOTES

1. CONTRACTOR SHALL CONFIRM FALL ZONE COMPLIANCE WHEN LAYING OUT PLAY EQUIPMENT, FOOTINGS AND ADJACENT SAFETY SURFACE EDGE CONDITIONS. NOTIFY DISTRICT REPRESENTATIVE IF CONFLICTS BETWEEN PLAYGROUND LAYOUT, SAFETY SURFACE EDGE CONDITIONS, OR ADJACENT EQUIPMENT INSTALLATIONS EXISTS. ANY ADJUSTMENTS TO THE LAYOUT REQUIRED TO MEET FALL ZONE COMPLIANCE WILL BE AT THE CONTRACTOR'S EXPENSE.

NOTE:

1. THIS TABLE SHALL SUPERCEDE MAUFACTURER'S ORDINATE TABLE.
2. REFERENCE MANUFACTURER'S FOOTING TABLE FOR FOOTING TYPES AND SIZES.

KEY MAP



Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

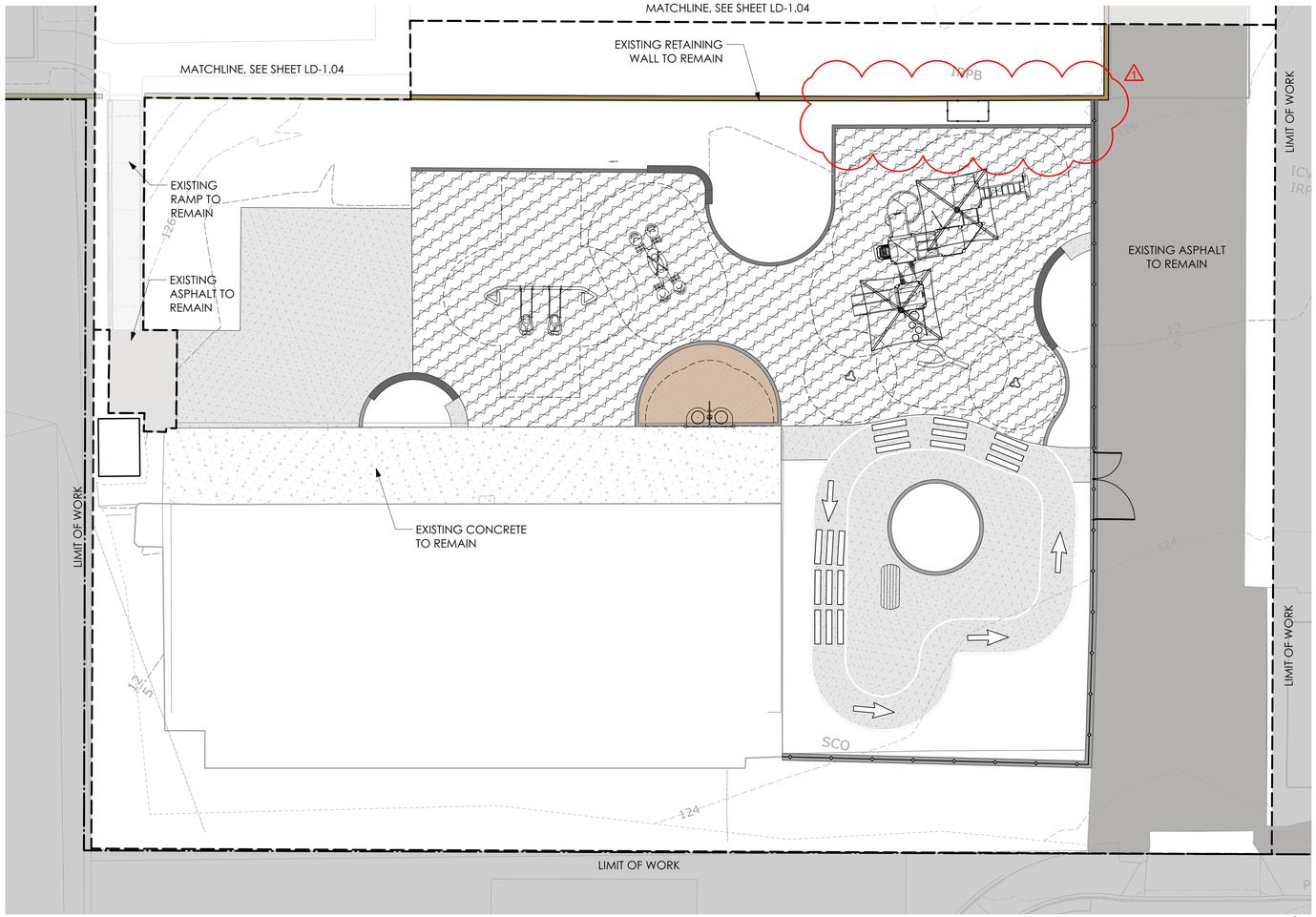
HORIZONTAL CONTROL PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ

Sheet Number

LC-2.03

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



TK + KINDERGARTEN PLAYGROUND SURFACING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

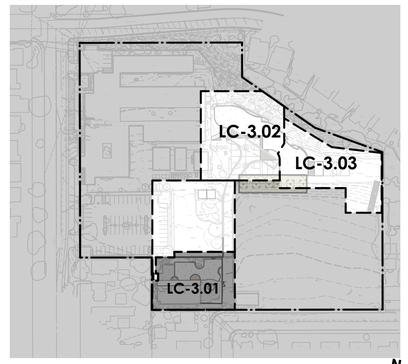
N

POURED IN PLACE SURFACING DEPTHS

SYMBOL	BASEMAT THICKNESS (INCHES)	CRITICAL FALL HEIGHT (FEET)
	2 in.	5 ft.
	2 1/2 in.	6 ft.
	3 in.	8 ft.
	3 3/4 in.	10 ft.

NOTE: SURFACING BASEMAT THICKNESSES PER SPECTRATURF SPECTRA POUR POURED IN PLACE SURFACING SPECIFICATIONS. CONTRACTOR SHALL ADD 1/2" ADDITIONAL BASEMAT FOR CONTINGENCY. POURED IN PLACE SURFACE TOP SURFACE COAT SHALL BE 1/2 INCHES.

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

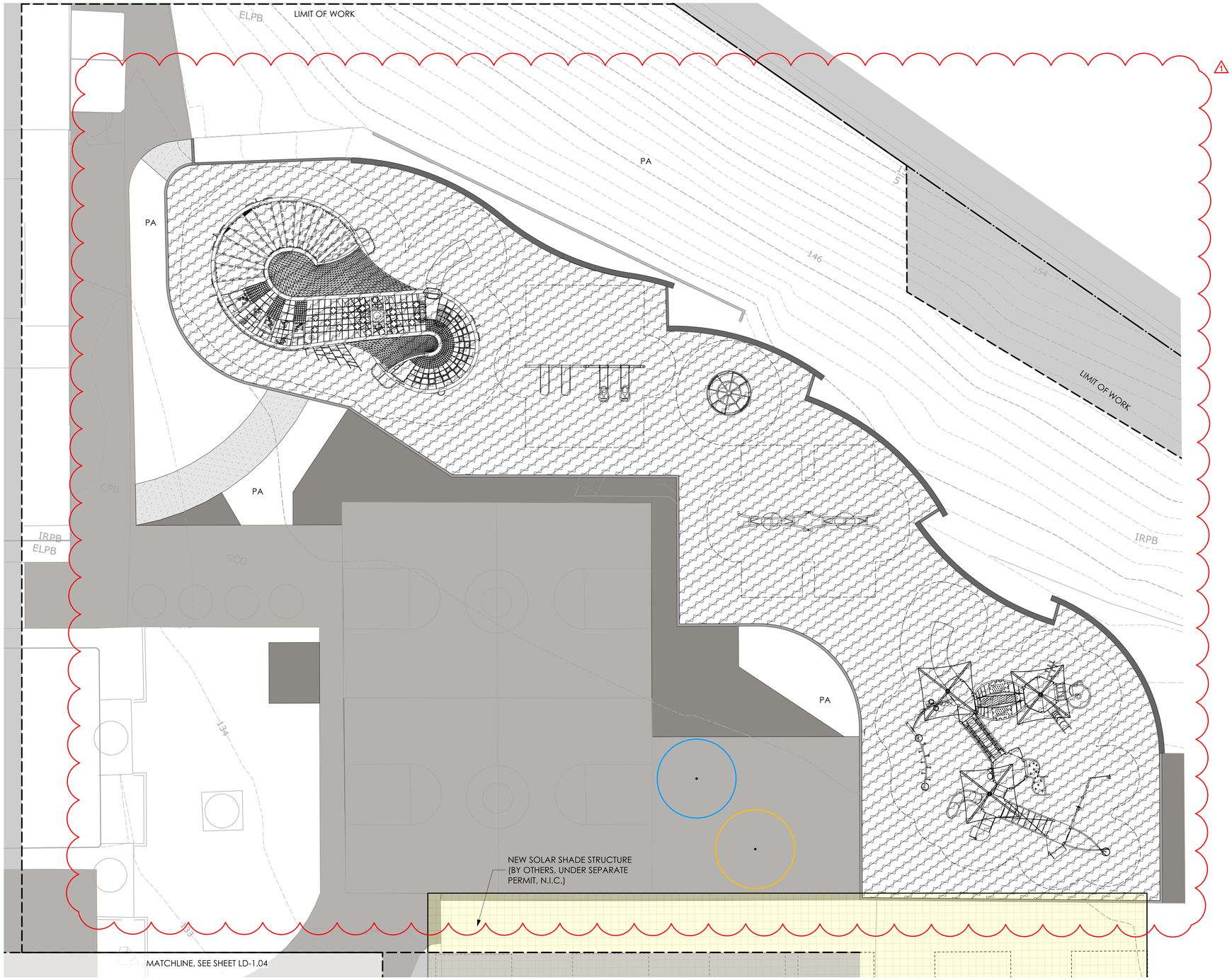
Sheet Name

PLAYGROUND SURFACING DEPTHS PLAN

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-3.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND SURFACING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

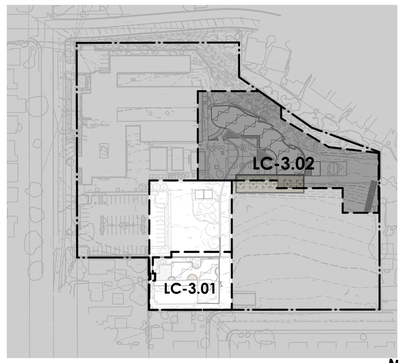
N

POURED IN PLACE SURFACING DEPTHS

SYMBOL	BASEMAT THICKNESS (INCHES)	CRITICAL FALL HEIGHT (FEET)
	2 in.	5 ft.
	2 1/2 in.	6 ft.
	3 in.	8 ft.
	3 3/4 in.	10 ft.

NOTE: SURFACING BASEMAT THICKNESSES PER SPECTRATURF SPECTRA POUR POURED IN PLACE SURFACING SPECIFICATIONS. CONTRACTOR SHALL ADD 1/2" ADDITIONAL BASEMAT FOR CONTINGENCY. POURED IN PLACE SURFACE TOP SURFACE COAT SHALL BE 1/2 INCHES.

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

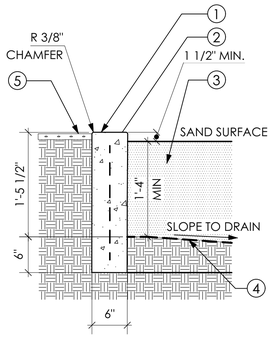
PLAYGROUND SURFACING DEPTHS PLAN

Date	01.16.2025
Drawn by	EEB
Checked by	BM, MZ

Sheet Number

LC-3.02

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



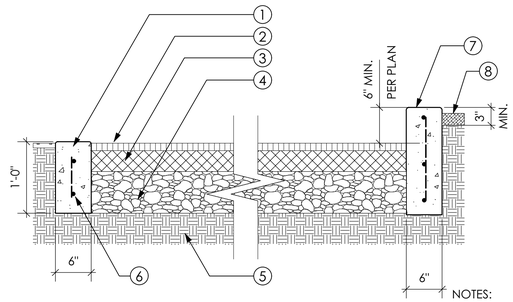
LEGEND:

1. CONCRETE HEADER
2. (3) #3 BARS CONTINUOUS HORIZONTAL. BEND #3 BARS VERT. @ 24" OC INTO FOOTING
3. NO. 16 PLAY SAND, 16" MIN. DEPTH
4. GEOTEXTILE FABRIC BETWEEN SAND & COMPACTED SUBGRADE
5. ADJ. BARK MULCH, DG OR TURF

   ADJ. GRADE = 2" TURF
   1" TOP OF MULCH
   1/2" DG

G PLAY SAND

Scale: 1" = 1'-0"



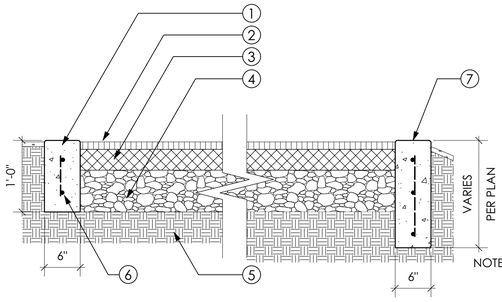
1. REINFORCED CONCRETE HEADER
2. POURED IN PLACE TOP COAT WEAR COURSE
3. POURED IN PLACE BASEMAT IMPACT COURSE. THICKNESS VARIES. SEE MANUFACTURER'S RECOMMENDATIONS.
4. CLASS 2 AGGREGATE. MIN. 4"
5. COMPACTED SUBGRADE DRAINS TO INLET. SEE GRADING PLANS
6. (2) #3 REBAR CONTINUOUS HORIZ. #3 REBAR VERT. @24" O.C.
7. RAISED RETAINING CURB, WHERE APPLICABLE. REFER TO GRADING PLAN FOR ELEVATIONS.
8. ADJ. PLANTER

NOTES:

1. CLASS 2 AGGREGATE BASE TO BE COMPACTED TO 95% AND FULLY CONTAINED.
2. STONE BASE ELEVATION SHALL DRAIN PER GRADING PLAN.
3. POUR IN PLACE SURFACE (P.I.P.) MATERIAL VARIES IN THICKNESS.

D POURED IN PLACE RUBBERIZED PLAY SURFACING WITH HEADER CURB

Scale: 1" = 1'-0"



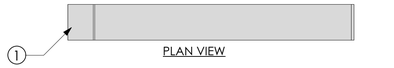
1. REINFORCED CONCRETE HEADER
2. POURED IN PLACE TOP COAT WEAR COURSE
3. POURED IN PLACE BASEMAT IMPACT COURSE. THICKNESS VARIES. SEE MANUFACTURER'S RECOMMENDATIONS.
4. CLASS 2 AGGREGATE. MIN. 4"
5. COMPACTED SUBGRADE DRAINS TO INLET. SEE GRADING PLANS
6. (2) #3 REBAR CONTINUOUS HORIZ. #3 REBAR VERT. @24" O.C.
7. DEEPENED, RETAINING CURB WHERE APPLICABLE

NOTES:

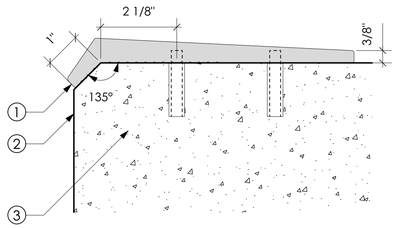
1. CLASS 2 AGGREGATE BASE TO BE COMPACTED TO 95% AND FULLY CONTAINED.
2. STONE BASE ELEVATION SHALL DRAIN PER GRADING PLAN.
3. POUR IN PLACE SURFACE (P.I.P.)

A POURED IN PLACE RUBBERIZED PLAY SURFACING WITH HEADER CURB

Scale: 1" = 1'-0"



PLAN VIEW



SECTION VIEW

LEGEND:

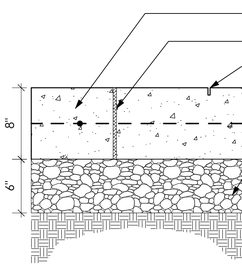
1. ALUMINUM SKATE STOPPER
2. CONCRETE SEATING EDGE, SEE DETAIL, THIS SHEET
3. ANCHORING STUDS AND EPOXY (3/8" x 1-1/2")

NOTES:

1. INSTALL PER MANUFACTURER'S INSTRUCTIONS
2. FIRST SKATE STOP IS 18" FROM THE END OF THE WALL/SEAT, ALL PROCEEDING SKATE STOPS ARE 36" O.C.

H SKATE STOP

Scale: 6"=1'-0"



LEGEND:

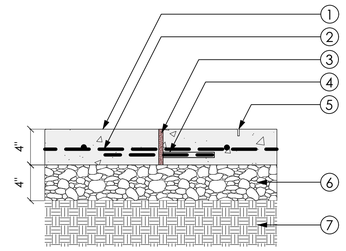
1. CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN
2. 1/2" FELT EXPANSION JOINT W/ MASTIC SEALER PER CONSTRUCTION NOTES, LOCATIONS PER HARDSCAPE PLAN
3. SAW CUT 3/4" DEEP SCORING; SCORE LOCATIONS PER HARDSCAPE PLANS
4. CENTER #4 REBAR @24" O.C. EACH WAY
5. CLASS 2 AGGREGATE BASE, COMPACTED 90%
6. COMPACTED SUBGRADE PER ENGINEER

NOTES:

1. FINISH SURFACE TO HAVE A 1% MIN AND 1.75% MAX CROSS SLOPE FOR DRAINAGE.
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE ii. MIN. COMPRESSIVE STRENGTH SHALL BE 4000 PSI @ 28 DAYS.

E CONCRETE PAVING- VEHICULAR

Scale: 1 1/2" = 1'-0"



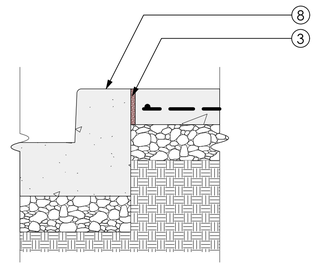
4" CONCRETE PAVING/WALKS - ISOLATION JOINT WITH SEALANT

LEGEND:

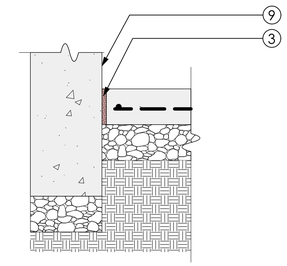
1. CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN.
2. CENTER #4, REBAR @ 16" BOTH WAYS.
3. 1/2" FOAM EXPANSION JOINT W/MASTIC SEALER PER CONSTRUCTION NOTES, LOCATIONS PER HARDSCAPE PLANS.
4. #4 REBAR DOWEL WITH 1/2" DOWEL SLEEVE AT 16" O.C. GROUT IN SLEEVE AND INSERT BAR.
5. SAW-CUT 3/16" WIDE x 3/4" DEEP SCORING; SCORE LOCATIONS PER HARDSCAPE PLANS.
6. CLASS 2 AGGREGATE BASE, COMPACTED 90%.
7. COMPACTED SUBGRADE PER ENGINEER.
8. CONCRETE CURB. PER CIVIL PLANS.
9. BUILDING OR OTHER VERTICAL ELEMENT. PER CIVIL OR ARCHITECTURAL PLANS.

NOTES:

1. ATTACH 1/2" THICK FOAM EXPANSION MATERIAL TO CONCRETE PLACEMENT 1 USING SPRAY GLUE.
2. FOAM EXPANSION MATERIAL MUST BE STRAIGHT AND FLUSH WITH THE FACE OF CONCRETE PLACEMENT 1.



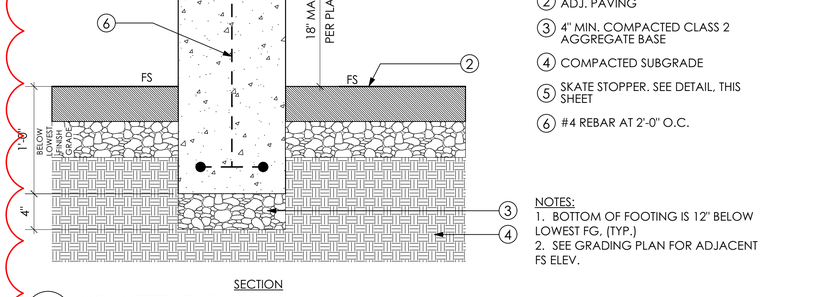
ISOLATION JOINT WITH SEALANT - HORIZONTAL ELEMENT CONDITION



ISOLATION JOINT WITH SEALANT - VERTICAL ELEMENT CONDITION

B CONCRETE PAVING

Scale: 1 1/2" = 1'-0"



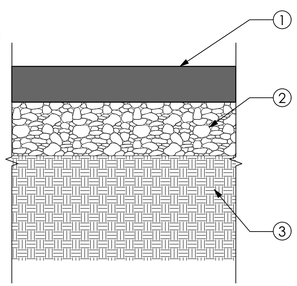
SECTION

NOTES:

1. BOTTOM OF FOOTING IS 12" BELOW LOWEST FG, (TYP.)
2. SEE GRADING PLAN FOR ADJACENT FS ELEV.

I CONCRETE SEATWALL

Scale: 1 1/2" = 1'-0"



LEGEND:

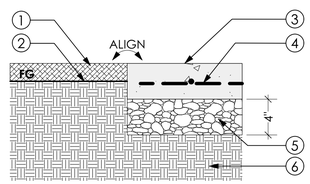
1. AC PAVING
2. CLASS 2 AGGREGATE BASE COMPACTED PER SOILS REPORT
3. SCARIFY/OVEREXCAVATE AND RECOMPACT SUB-GRADE PER SOILS REPORT

NOTES:

1. MATCH EXISTING SECTION OR 4" AC ON 6" AGG BASE (WHICHEVER IS GREATER)

F AC PAVING

Scale: 1 1/2" = 1'-0"



LEGEND:

1. PLANTER AREA MULCH PER PLANS
2. PLANTER AREA FINISHED GRADE
3. CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN.
4. REBAR PER HARDSCAPE PLAN AND DETAILS.
5. CLASS 2 AGGREGATE BASE, COMPACTED PER HARDSCAPE PLAN AND DETAILS.
6. COMPACTED SUBGRADE PER ENGINEER.

NOTE:

1. REFER TO TREE PLANTING DETAIL FOR INSTALLATION OF ROOT BARRIER.

C CONCRETE ADJACENT TO PLANTING AREA

Scale: 1 1/2" = 1'-0"

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

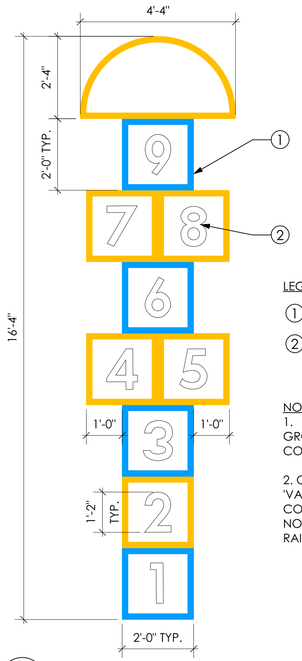
Sheet Name

CONSTRUCTION DETAILS

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-4.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



LEGEND:

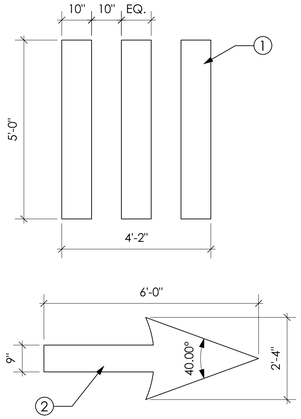
1. HOP SCOTCH STRIPING
2. HOP SCOTCH NUMBERING, 2" MIN. WIDTH, WHITE

NOTES:
1. REFER TO CONSTRUCTION SCHEDULE FOR GROUND PAINT TEXTURE, MANUFACTURER AND COLOR.

2. COAT ALL PAINTED SURFACES W/ 'VANDLGUARD TEN' NON-SACRIFICIAL GRAFFITI COATING AND VANDLGUARD FINISH COAT NON-SACRIFICIAL GRAFFITI COATING BY RAINGUARD INTERNATIONAL.

F HOP SCOTCH STRIPING

Scale: 1/2" = 1'-0"



LEGEND:

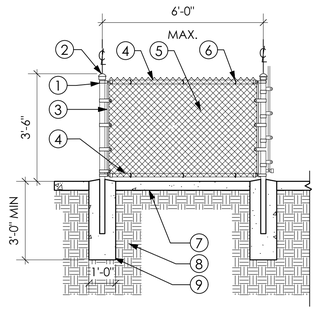
1. TRIKE TRACK CROSSWALK STRIPING
2. TRIKE TRACK DIRECTIONAL ARROW

NOTES:
1. REFER TO CONSTRUCTION SCHEDULE FOR GROUND PAINT TEXTURE, MANUFACTURER AND COLOR.

2. COAT ALL PAINTED SURFACES W/ 'VANDLGUARD TEN' NON-SACRIFICIAL GRAFFITI COATING AND VANDLGUARD FINISH COAT NON-SACRIFICIAL GRAFFITI COATING BY RAINGUARD INTERNATIONAL.

D TRIKE TRACK STRIPING

Scale: 1/2" = 1'-0"



KNUCKLE

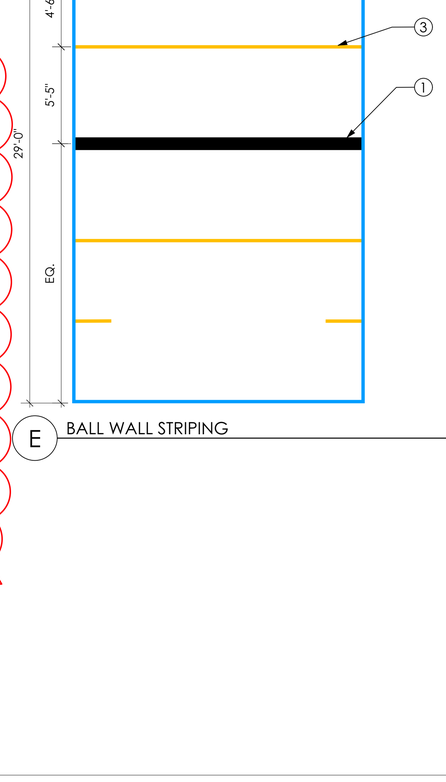
LEGEND:

1. RAIL END & BAND
2. 2 3/8" O.D. ROUND POWDER COATED TERMINAL POST W/ DOMED CAP
3. TENSION BAR & BAND
4. 1 5/8" O.D. ROUND POWDER COATED TOP & BOTTOM RAIL
5. 2" CHAIN LINK FABRIC 9 GAUGE FINISH
6. 9 GAUGE WIRE FENCE TIES
7. CONCRETE MOW CURB, 16" WIDE x 4" DEPTH
8. SUBGRADE
9. CONCRETE FOOTING

NOTES:
1. ALL CHAIN LINK FABRIC AND FENCE HARDWARE SHALL BE GALVANIZED AND VINYL COATED.
2. TOP AND BOTTOM FABRIC SELVEDGE TO BE KNUCKLED.
3. FABRIC SHALL BE INSTALLED ON THE OUTSIDE.
4. TENSION BARS TO BE 5 FOR EVERY 6' OF POST.
5. WIRE TIES TO BE 24" O.C. ON TOP AND BOTTOM RAIL.
6. TROWEL FINISH CONCRETE AROUND ALL POSTS AND SLOPE DOWNWARD TO FINISHED GRADE.
7. CENTER FENCE ON CONCRETE MOW CURB. CONTRACTOR SHALL TIE MOW CURB INTO POST FOOTINGS.
8. CONTRACTOR SHALL CONSTRUCT MOW CURB PER ARCHITECT'S DETAIL.

A CHAIN LINK FENCE ATOP MOW CURB

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



LEGEND:

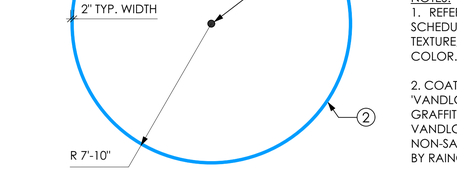
1. EXISTING BALL WALL
2. PERIMETER COURT STRIPING
3. FAULT LINE
4. SERVICE LINE

NOTES:
1. REFER TO CONSTRUCTION SCHEDULE FOR GROUND PAINT TEXTURE, MANUFACTURER AND COLOR. COLORS VARY PER PLAN.

2. COAT ALL PAINTED SURFACES W/ 'VANDLGUARD TEN' NON-SACRIFICIAL GRAFFITI COATING AND VANDLGUARD FINISH COAT NON-SACRIFICIAL GRAFFITI COATING BY RAINGUARD INTERNATIONAL.

E BALL WALL STRIPING

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



LEGEND:

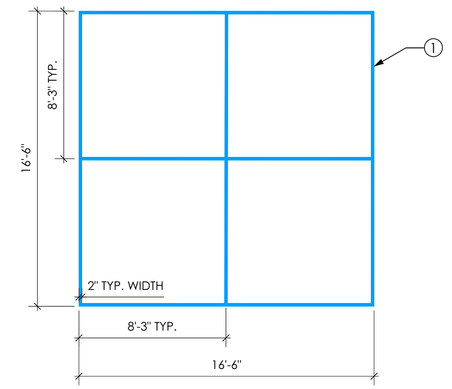
1. TETHERBALL POST AND BALL, REFER TO CONSTRUCTION SCHEDULE
2. COURT PERIMETER STRIPING

NOTES:
1. REFER TO CONSTRUCTION SCHEDULE FOR GROUND PAINT TEXTURE, MANUFACTURER AND COLOR. COLORS VARY PER PLAN.

2. COAT ALL PAINTED SURFACES W/ 'VANDLGUARD TEN' NON-SACRIFICIAL GRAFFITI COATING AND VANDLGUARD FINISH COAT NON-SACRIFICIAL GRAFFITI COATING BY RAINGUARD INTERNATIONAL.

B TETHERBALL COURT

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



LEGEND:

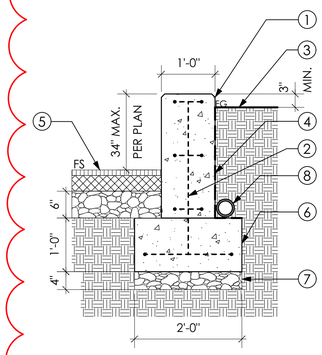
1. FOUR SQUARE STRIPING

NOTES:
1. REFER TO CONSTRUCTION SCHEDULE FOR GROUND PAINT TEXTURE, MANUFACTURER AND COLOR. COLORS VARY PER PLAN.

2. COAT ALL PAINTED SURFACES W/ 'VANDLGUARD TEN' NON-SACRIFICIAL GRAFFITI COATING AND VANDLGUARD FINISH COAT NON-SACRIFICIAL GRAFFITI COATING BY RAINGUARD INTERNATIONAL.

C FOUR SQUARE STRIPING

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



LEGEND:

1. C.I.P. CONCRETE RETAINTING WALL, WITH #4 REBAR HORIZONTAL CONTINUOUS AT CORNERS. SET MIN. 2" FROM EDGES, 3/4" CHAMFER ON TOP EDGES. FINISH PER WALL SCHEDULE
2. #4 REBAR VERTICAL AT 24" O.C., TYP.
3. ADJACENT FINISHED GRADE
4. WATERPROOF MEMBRANE, WRAP FOOTING AND ANCHOR TO SOIL.
5. ADJACENT PLAYGROUND SURFACE
6. 12"x24" REINFORCED CONCRETE FOOTING WITH #4 REBAR @16" O.C. RUN VERTICALLY AND BEND IN BOTH DIRECTIONS.
7. 4" COMPACTED CLASS 2 AGGREGATE BASE
8. 4" PERF. PIPE W/ FILTER SOCK. CONNECT TO DRAIN SYSTEM

NOTES:
1. BOTTOM OF FOOTING IS 12" BELOW LOWEST FINISHED GRADE. (TYP.)
2. SEE GRADING PLAN FOR WALL AND ADJACENT FINISHED SURFACE ELEVATIONS.

G CONCRETE RETAINING WALL

Scale: 3/4" = 1'-0"

1

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

CONSTRUCTION DETAILS

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LC-4.02

IRRIGATION NOTES

1. IF IT IS FOUND DURING INSTALLATION THAT THE SITE VARIES FROM THE DRAWINGS, NOTIFY THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
2. COORDINATE THE INSTALLATION OF ALL SLEEVING WITH LANDSCAPE CONSTRUCTION PLANS.
3. PIPE SLEEVE SHALL ALLOW FOR IRRIGATION PIPING AND RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING. EXTEND NEW SLEEVES 12 INCHES BEYOND EDGE OF PAVING. ALL IRRIGATION MAINLINE CROSSINGS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.

   ALL IRRIGATION MAINLINE CROSSOVERS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE IN A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.
4. COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS, INCLUDING PIPE, WITH THE PLANTING PLAN TO AVOID INTERFERING WITH THE PLANTING.
5. CONTRACTOR SHALL TEST PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 80 PSI, NOTIFY THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
6. IRRIGATION DRAWINGS ARE DIAGRAMMATIC. LOCATE MAIN LINE AS DIRECTED PER PLAN. LOCATE NEW PIPELINES, VALVES AND EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.
7. PVC SHALL BE LAID WITH CONNECTIONS HORIZONTAL, NOT VERTICAL.
8. SCHEDULE 40 PVC ONLY, NO EXCEPTIONS.
9. ALL NEW TREES SHALL RECEIVE (1) 20 GALLON TREEGATOR ORIGINAL WATERING BAG
10. CONTRACTOR SHALL ADJUST ALL HEADS TO INSURE FULL COVERAGE WITH MINIMUM OVERSPRAY ONTO PAVED SURFACES.
11. PRESSURE TEST ON ALL MAINLINES 4 HOURS AT 150 PSI. CALL INSPECTOR 24 HOURS PRIOR TO TEST.
12. NO IRRIGATION LINES SHALL BE PLACED UNDER ROOTBALLS OF EXISTING OR PROPOSED PLANTS.
13. PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES
14. CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR
15. CONTRACTOR SHALL ENSURE EXISTING IRRIGATION REMAINS OPERATIONAL DURING & POST CONSTRUCTION.
16. CONTRACTOR SHALL RELOCATE/ADJUST EXISTING TURF SPRAY HEADS, LATERALS, MAINLINE, VALVES, AND ANY IRRIGATION APPURTENANCES LOCATED WITHIN THE PROJECT LIMITS OF WORK TO ENSURE FULL COVERAGE OF THE EXISTING IRRIGATION SYSTEM.
17. CONTRACTOR SHALL REPAIR/REPLACE ANY IRRIGATION PIPE & ANY IRRIGATION APPURTENANCES DAMAGED DURING CONSTRUCTION.

PLANTING NOTES

1. ALL PLANTED AREAS SHALL BE THOROUGHLY RIPPED TO A DEPTH OF 8", USING RIPPER WITH TEETH NO WIDER THAN 12" O.C. WHERE POSSIBLE. THE RIPPING SHOULD BE DONE IN TWO DIRECTIONS TO REDUCE THE COMPACTION WHICH OCCURS AS A RESULT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL COLLECT A MINIMUM OF THREE SOIL SAMPLES FROM NEW PLANTING AREAS FOR AGRONOMIC TESTING & AMENDMENT RECOMMENDATIONS FROM FRUIT GROWERS LAB @ (805) 392-2000. RESULTS SHALL BE TRANSMITTED TO CLIENT AND LANDSCAPE ARCHITECT OF RECORD. SOIL MANAGEMENT REPORT RECOMMENDATIONS SHALL ADDRESS THE FOLLOWING AT A MINIMUM: SOIL TEXTURE, SOIL INFILTRATION RATE, SOIL PH, AND SUGGESTED AMENDMENTS BASED UPON PROPOSED PLANTING PALETTE. SEE SPECIFICATIONS.
3. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OR PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL
4. ALL AMENDMENTS TO BE APPLIED PER SOIL MANAGEMENT REPORT, OR IF NO TECHNIQUE IS SPECIFIED, THEN MIXED TOGETHER AND ROTOTILLED INTO PLANTING AREAS TO A DEPTH OF 6". (UNTIL RESULTS OF SOIL MANAGEMENT REPORT ARE OBTAINED, THE FOLLOWING AMENDMENTS MAY BE USED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):

   5 LBS/1000 SF POTASSIUM SULFATE
   5 LBS/1000 SF AMMONIUM SULFATE
   5 LBS/1000 SF SINGLE SUPERPHOSPHATE OR EQ.
   80 LBS/1000 SF AGRICULTURAL GYPSUM
   6 CY GENERAL PURPOSE SOIL AMENDMENT
5. GRO-POWER PLANTING TABLETS PLACED 2 INCHES DEEP AND 2" OUTSIDE ROOT BALL: (3) PER 1 GAL; (9) PER 5 GAL; (15) PER 15 GAL, (16) PER 24" BOX AND (20) PER 36" BOX
6. PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED.
7. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS AND DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRADICTORY.
8. MULCH SHALL BE ES-2 MULCH FROM AGROMIN PREMIUM SOIL PRODUCTS (805) 482.8749. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.
9. SEE SHEET, LP-2.01 FOR ALL PLANTING DETAILS
10. ALL BERMUDAGRASS TO BE SOD.
11. CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION/WATERING TO TREES AND RESEEDED/SODDED TURF DURING CONTRACTOR PLANT ESTABLISHMENT PERIOD.
12. ALL TREES WITHIN 5 FT. OF PAVEMENT TO HAVE CENTURY PRODUCTS LINEAR CP36-2 'POLYETHYLENE' ROOT BARRIERS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS 1 1/2" OFF BACK OF CURB OR EDGE OF PAVEMENT. ROOT BARRIER TO BE INSTALLED AT BACK OF HARDSCAPE, IN 10 FOOT PANELS CENTERED ON THE TREE TRUNK, (NOT IN CIRCLE AROUND ROOT BALL.
13. LIMITS OF TURF REPLACEMENT ARE APPROXIMATE. CONTRACTOR SHALL PATCH AND REPAIR ALL TURF DAMAGED DURING CONSTRUCTION OPERATIONS.

MASTER TREE SCHEDULE

SYMBOL	QTY	*LATIN NAME*	COMMON NAME	WUCOLS	SIZE
TREES					
	4	*Arbutus x 'Marina'*	Marina Strawberry Tree	L	24" BOX
	2	*Chilopsis linearis 'Regal'*	Regal Desert Willow	L	24" BOX
	2	*Michelia doltsopa*	Sweet Michelia	M	24" BOX
	7	*Pistacia x 'Red Push'*	Red Push Pistache	M	24" BOX
	1	*Platanus racemosa 'Roberts'*	Robert's Western Sycamore	M	24" BOX
	5	*Searsia lancea*	African sumac	L	24" BOX

MASTER PLANT SCHEDULE

SYMBOL	QTY	*LATIN NAME*	COMMON NAME	WUCOLS	SIZE
GROUND COVER					
	2,771 SF	*Hybrid Bermudagrass*	"Tifway II Bermuda" by West Coast Turf, Palm Desert, CA, westcoastturf.com, (760) 340-7300 or approved equal.	H	SOD
	6,829 SF	Mulch	Install per notes #7-8, this sheet	N/A	N/A

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL			GPM	PSI	DETAIL / SHEET
ROTORS			*SERIES*	*NOZZLE MODEL*	*BODY MODEL*			
	ROTOR - PGJ-Q 19' RADIUS	Hunter Industries(R)	PGJ 06in Pop-Up	PGJ-06-1.0-V	Pop-up	1.00	20 - 100	B/LP-2.01
	ROTOR - PGJ-F 25' RADIUS	Hunter Industries(R)	PGJ 06in Pop-Up	PGJ-06-2.0-V	Pop-up	2.00	20 - 100	B/LP-2.01
	ROTOR - PGJ-T 25' RADIUS	Hunter Industries(R)	PGJ 06in Pop-Up	PGJ-06-2.0-V	Pop-up	2.00	20 - 100	B/LP-2.01
	ROTOR - PGJ-Q 25' RADIUS	Hunter Industries(R)	PGJ 06in Pop-Up	PGJ-06-2.0-V	Pop-up	2.00	20 - 100	B/LP-2.01
	ROTOR - PGJ-H 25' RADIUS	Hunter Industries(R)	PGJ 06in Pop-Up	PGJ-06-2.0-V	Pop-up	2.00	20 - 100	B/LP-2.01
PIPE			*TYPE*	*NOTES*				
———	LATERAL	WESTERN LASCO	PVC Schedule 40	SIZE PER PLAN				E / LP-2.01

***CONTRACTOR TO INSTALL MANUFACTURER LISTED EQUIPMENT OR APPROVED EQUAL*

SLEEVE SIZING LEGEND

PIPE SIZE	SLEEVE SIZE
3/4"	2" SCH. 40 PVC
1"	
1-1/4"	3" SCH. 40 PVC
1-1/2"	
2"	4" CLASS 315
2-1/2"	6" CLASS 315
3"	
4"	
WIRE	2" CLASS 315 4" CLASS 315

LATERAL PIPE SIZING

GPM	SIZE	SIZE IN TURF
1-8	3/4"	1"
8-12	1"	1"
12-22	1 1/4"	1 1/4"
22-30	1 1/2"	1 1/2"
30+	2"	2"

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS E6-24

2050 GRAND AVE, VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

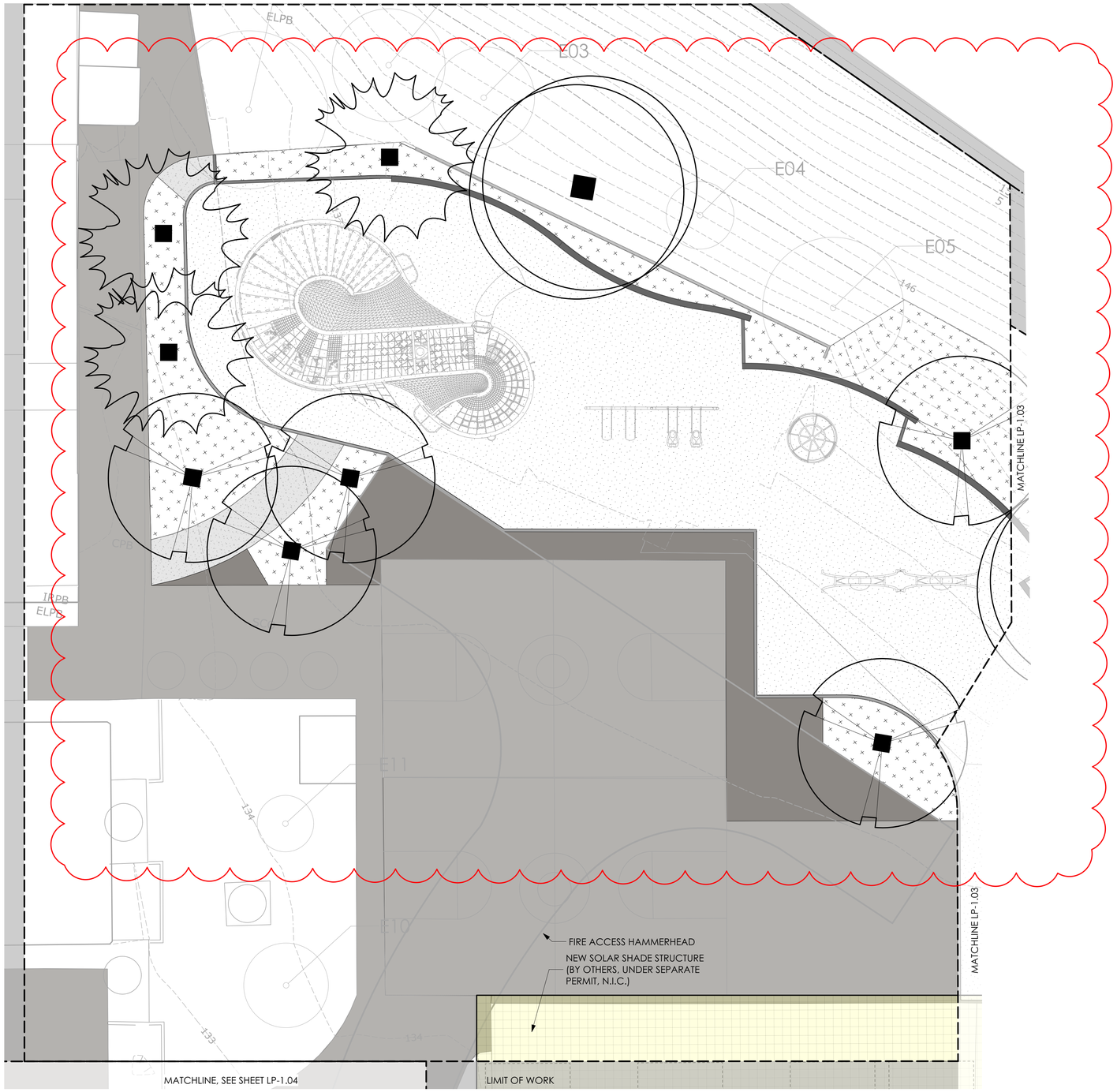
Sheet Name

LANDSCAPE NOTES & SCHEDULES

Date 01.16.2025
Drawn by EEB
Checked by BM, MZ
Sheet Number

LP-0.01

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND PLANTING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

1

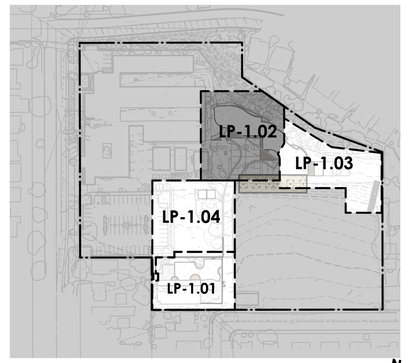
PLANTING NOTES

1. SEE SHEET LP-0.01 FOR DETAILED PLANTING SCHEDULES AND NOTES.

PLANT SCHEDULE (THIS SHEET)

SYMBOL	LATIN NAME	SIZE
TREES		
	Pistacia x 'Red Push'	24" BOX
	Searsia lancea	24" BOX
	Arbutus x 'Marina'	24" BOX
GROUNDCOVERS AND TURF		
	Mulch	N/A

KEY MAP



0 100 200 FT

N

ROESLING NAKAMURA TERADA ARCHITECTS

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

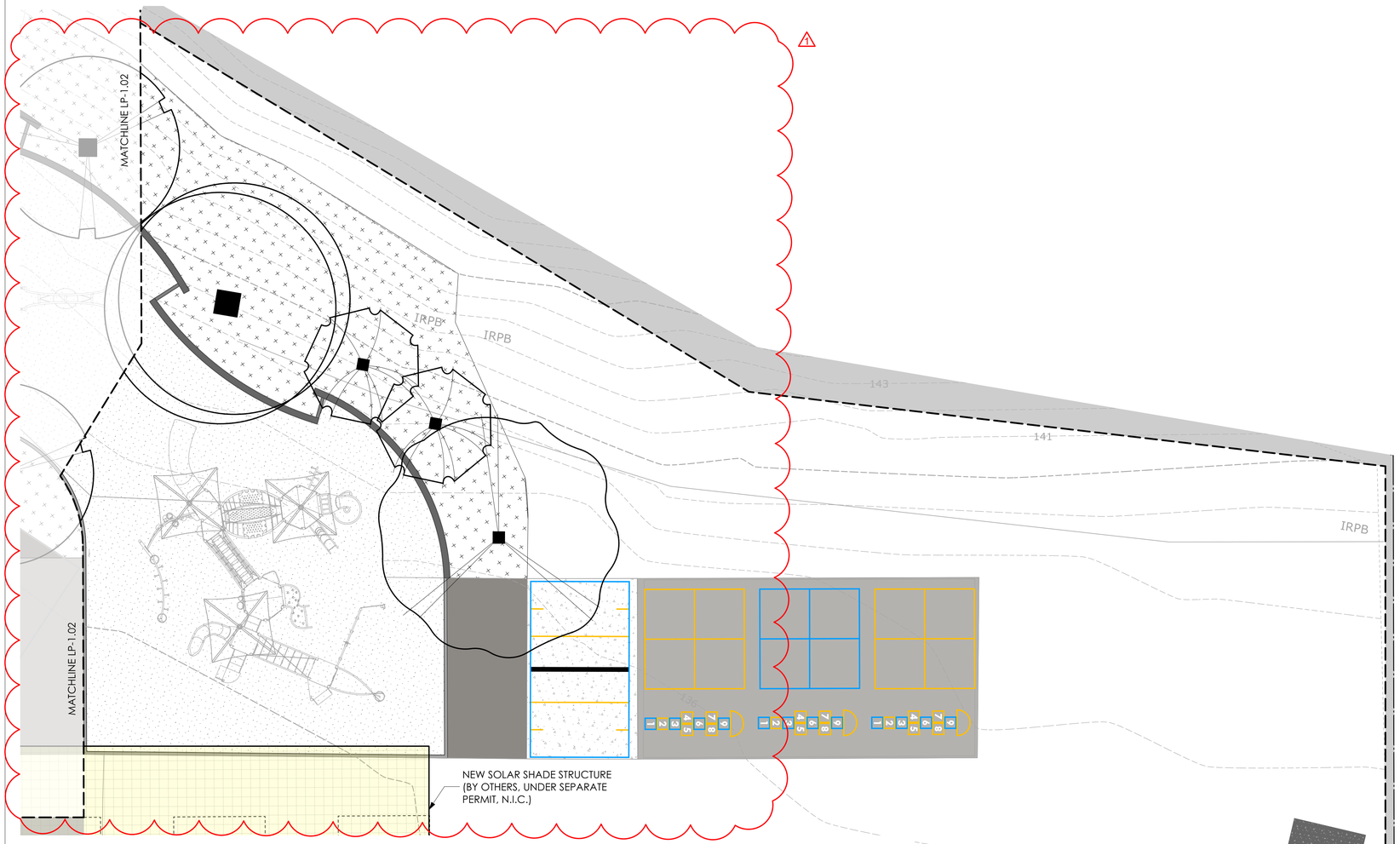
No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

PLANTING PLANS

Date	01.16.2025
Drawn by	EEB
Checked by	BM, MZ
Sheet Number	LP-1.02

C:\Users\young\Desktop\1012 VUSD Play Equipment_detached.rvt



1ST-5TH PLAYGROUND PLANTING PLAN

Scale: 1" = 10'-0"

0 10 20 30 FT

N

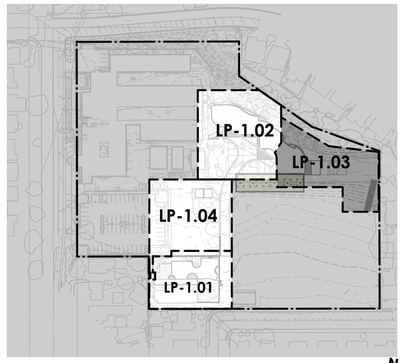
PLANTING NOTES

1. SEE SHEET LP-0.01 FOR DETAILED PLANTING SCHEDULES AND NOTES.

PLANT SCHEDULE (THIS SHEET)

SYMBOL	LATIN NAME	SIZE
TREES		
	Chilopsis linearis 'Regal'	24" BOX
	Platanus racemosa 'Roberts'	24" BOX
	Arbutus x 'Marina'	24" BOX
GROUNDCOVERS AND TURF		
	Mulch	N/A

KEY MAP



0 100 200 FT

N

Roesling Nakamura Terada Architects
285 N Ventura Ave #102
Ventura, CA 93001
P 805.626.5330
F 805.626.5350
www.RNTarchitects.com

Pacific Coast Land Design Inc.
Landscape Architecture · Urban Design · Environmental Planning
461 East Main Street, Ventura, CA 93001
805.644.9697 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZITELSDORF
#6044
Signature
10/31/25
Renewal Date
Date
STATE OF CALIFORNIA

VENTURA UNIFIED SCHOOL DISTRICT

MONTALVO ELEMENTARY PLAYGROUNDS
E6-24

2050 GRAND AVE,
VENTURA, CA 93003

CONSTRUCTION DOCUMENTS

No.	Description	Date
1	BID ADD 01	2/11/2025

Sheet Name

PLANTING PLANS

Date	01.16.2025
Drawn by	EEB
Checked by	BM, MZ
Sheet Number	LP-1.03

C:\Users\vyung\Desktop\1012 VUSD Play Equipment_detached.rvt