

Date: November 15, 2024

RE: PROPOSAL FOR – City of Bel Aire - Eagle Lake Park Playground Improvements

Thank you for the opportunity to provide our proposal for Eagle Lake Park Playground Improvements. Included is a playground design, product information, estimated price for the improvements outlined in the Request for Proposal and information about our company and experience.

We know that the neighboring community is looking forward to the improvements and a timely installation is important.

- Lead time on acquiring play equipment from the manufacturer is commonly 12-14 weeks from the time of ordering.
- We estimate that it will take 2 to 3 weeks to do demo and improvement on the presented plan. This is dependent on weather and material availability.
- Installation is not seasonal dependent. Once materials are acquired work can begin.

Safety is very important. The work area will be surrounded by security fencing and waste materials disposed of.

Progression

- Site secured
- Demo and removal
- Subsurface drainage installed
- Install equipment
- Install safety surface
- Clean up and punch list

Construction Staff – Project Supervisors and Foremen

Lee Engler – Project Manager
Brandon Culp – Construction Manager
Morgan Kessler – Construction Foreman or
Matt Allen – Construction Foreman or
Brent Carleton – Construction Forman

VersaSport LLC will be your equipment representative, construction manager and installer on this project. No subcontractors will be used for construction. 3% Performance Bond expense is included as an additional line item in the Proposal Submission Form.

We have designed and installed many playground projects and appreciate the opportunity to present this design and proposal. If you should have any questions or would like further clarification of our proposal, please do not hesitate to contact me directly.

Thank you.

Lee Engler
Project Manager
VersaSport LLC
lee@versasportks.com
316.259.8974

c: 316.259.8974 p: 316.396.0112 www.versasportks.com
4957 N. Ridge Road. Wichita, Kansas 67205

VERSASPORT LLC LIST OF REFERENCES AND PLAYGROUND PROJECTS

Saint Thomas Aquinas Catholic Church

Wichita, Kansas 67206
Contact: Stephanie Warren
Email: swarren@stthomaswichita.com
Telephone: (316) 684-9201
Project: Playground equipment and safety surface
Completed: October 2024

Southern Ridge HOA

Wichita, Kansas 67215
Contact: Ryan Gabehart
Email: rjg@sptarchitecture.com
Telephone: (620) 200-1361
Project: Playground equipment and installation
Completed: October 2024

Glendell Park

Edgerton, Kansas 66021
Contact: Francisco Chavez – CM Concrete
Email: cmconcreteks@gmail.com
Telephone: (816) 405-3414
Project: Playground equipment and installation
Completed: September 2024

Cherry Street Park

City of Winfield, Kansas 67156
Contact: Taggart Wall
Email: twall@winfieldks.com
Telephone: 620-221-5504
Project: Playground equipment and safety surfacing
Completed: June 2024

Apollo Elementary School

16158 Apollo Street
Goddard, Kansas 67052
Contact: Connor Christensen, Principal
Email: cchristensen@goddardusd.com
Telephone: 316.794-4090
Project: Replace tile safety surface and add play equipment.
Completed June 2024

Great Bend USD 428 – Little Panthers

Great Bend, Kansas 67156
Contact: Heather Gigax – McCownGordon Construction
Email: hgigax@mccowngordon.com
Telephone: 316-303-7759
Project: Playground equipment and safety surfacing
Completed: May 2024

Conchran Park

1600 Manning street
City of Winfield, Kansas 67156
Contact: Taggart Wall
Email: twall@winfieldks.com
Telephone: 620-221-5504
Project: Playground equipment and safety surfacing
Completed: September 2023

Aley Park Playground Expansion, City of Wichita, Parks & Recreation

1803 S. Seneca, Wichita Kansas 67213
Contact: Bret Russell
Email: Brussell@wichita.gov
Telephone: 316.253.7424
Project: Design playground, provide and install playground equipment, install concrete for safety surfacing
Completed: May 2023

Envision Playground

610 N. Main Street, Wichita Kansas 67203
Contact: Teresa Houston
Email: Teresa.houston@envisionus.com
Telephone: 316.440.1632
Project: Design playground, provide and install playground equipment, install synthetic turf safety surfacing
Completed: March 2023

Child Start, Inc – Various Facilities

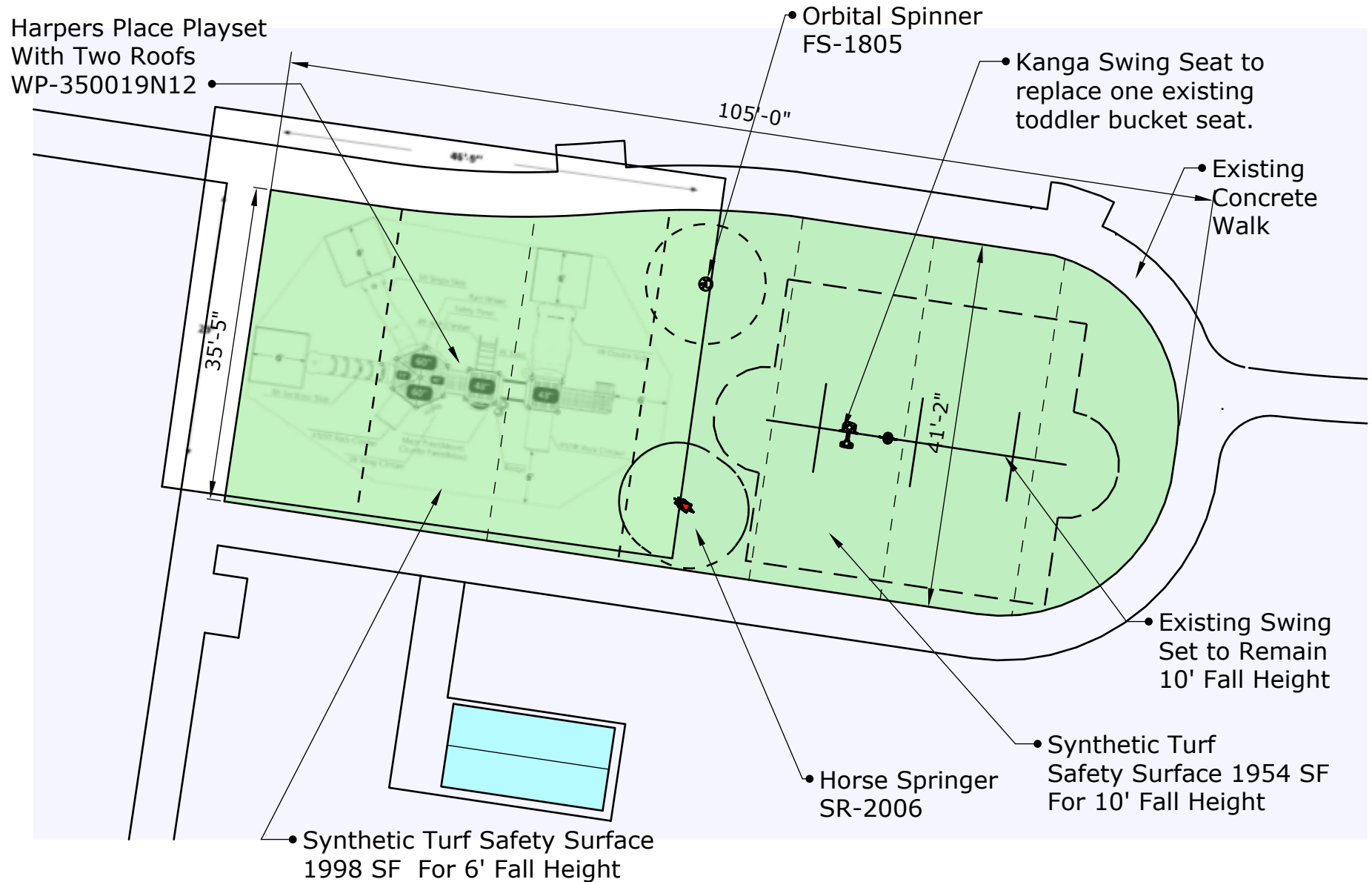
Contact: Vicki Berberick, Site Operations Manager
Email: vberberick@childstart.org
Telephone: 316.682.1853
Improvements: Concrete tricycle track, Play equipment, Shade Structures, Safety Surface.
Facilities: West Village, Harper County, Park Lane, Augusta, Eldorado, The Mount, Shirley Mayes
Completed: March 23, 2018 to present.

Boston Park Playground, City of Wichita, Parks & Recreation

6655 E. Zimmerly Street, Wichita, KS 67207
Contact: Larry Hoetmer, Landscape Architect
Email: lhoetmer@wichita.gov
Telephone: 316.268.4179
Project: Re-locate existing equipment, design playground and install pavement and playground equipment.
Completed: July 2020

Meadowbrook Destination Playground Johnson County

9101 Nall Ave, Prairie Village, Kansas 66208
Site Contact: Jim Wilson, Landscape Architect 913-826-3426
Project Manager: Daniel Fabian, Kompan 737-701-5843
Project: New playground including equipment, concrete border/sidewalk, poured-in-place rubber and synthetic turf safety surface
Completed: June 2019



Eagle Lake Park

Brian Hayes
City of Bel Aire Recreation
4220 N Westlake Drive
Bel Aire, Kansas 67220

Playground Concept - Synthetic Turf

Drawn By: Lee Engler Date: November 11, 2024

PRINCIPALS OF VERSASPORT

R. Lance Pierce
Mechanical Engineer, Co-Owner
Wichita, KS

G. Brent Carleton
Mechanical Engineer, Co-Owner
Minority Status
Wichita, KS

Brandon Culp, Co-Owner
Construction Engineer
CSPI
Wichita, KS

Lee Engler
Designer/ CPSI
Customer Service/Project Manager
Sales Representative for KOMPAN Equipment
Wichita, KS





11/19/2024
DESIGN-02

R. Lance Pierce

6801 N. Meridian
Wichita, KS 67204
(316) 393-0487

lpierce@versasport.com

EDUCATION:

Bachelor of Mechanical Engineering

Wichita State University, Wichita, KS

Graduated December 1984

WORK HISTORY:

Junior Engineer – January 1985 to May 1986

Marmac Engineering, Anaheim, CA

- ⤴ CAD design of All American Pipeline Project
- ⤴ Field supervisor on the pipeline

Engineer – July 1986 to July 1988

Chance Manufacturing, Wichita, KS

- ⤴ Designed amusement rides and trolleys

Engineer – July 1988 to December 1992

Kreonite, Inc., Wichita, KS

- ⤴ Designed commercial photographic processors
- ⤴ Offered on-site assistance to customers

Design Engineer – December 1992 to January 1998

Boeing, Wichita, KS

- ⤴ Designed various commercial airplane projects
- ⤴ Participated in specialized CAD training

Business Owner – January 1998 to present

VersaSport of Kansas, Inc., Wichita, KS

- ⤴ Design, estimate and construct various recreational amenities including synthetic turf surfaces of all types, multi-sport tile courts, and tennis court resurfacing
- ⤴ Sell and install residential play equipment, basketball goals, trampolines, fencing, lighting
- ⤴ Design layout, sell and install KOMPAN commercial playground equipment
- ⤴ Calculate and install various types of safety surfacing

National Recreation and Park Association

Let it be known that

BRANDON CULP

has met the requirements of the standards set forth by the
National Certification Board
and is hereby granted certification as a

Certified Playground Safety Inspector



CHAIRPERSON



NRPA PRESIDENT AND CEO



Certified
Playground
Safety Inspector

March 03, 2022

DATE CERTIFIED

53723-425

CERTIFICATION NUMBER

April 01, 2025

EXPIRATION DATE



NATIONAL RECREATION
AND PARK ASSOCIATION

National Recreation and Park Association

Let it be known that

LEE ENGLER

has met the requirements of the standards set forth by the
National Certification Board
and is hereby granted certification as a



**Certified
Playground
Safety Inspector**

CHAIRPERSON

NRPA PRESIDENT AND CEO

October 31, 2019

DATE CERTIFIED

47473-1122

CERTIFICATION NUMBER

November 01, 2022

EXPIRATION DATE



Horse Spring Rider



Description

Product Info

Age Range: 2-12

Capacity: 1

Safety Zone: 16' x 16'

Equipment Dimensions: 2'-8" x 1'-0" x H 2'-10"



Kanga Swing Seat



Description

Introducing the Kanga Swing, the perfect way for adults and children to share the joy of swinging—together! With its innovative design, the Kanga Swing allows an adult and child to swing face-to-face, creating unforgettable moments of fun and connection. The adult swings comfortably on a traditional belt swing, while the child enjoys a secure, molded seat that offers additional support for a safe and cozy ride.

This swing works great with our [3.5" Swing Frame](#), [5" Swing Frame](#), [Single Post Swing Frame](#), and [Single Post with Accessory Arm](#).

Custom Colors: Changing colors is a little more involved on this model. If you're interested in changing any colors on this, please [contact us](#).



Orbital Spinner



Description

Structure Info

Age Range: 5-12

Capacity: 1

Safety Zone: 16' x 16'

Equipment Dimensions: 1'-6" x 1'-6" x H 4'-8"

GENERAL PRODUCT SPECIFICATIONS

Galvanized Steel Tubing Mechanical Properties:

- Yield Strength (min): 49,500 PSI
- Tensile Strength (min): 57,500 PSI
- 25% Elongation in 2 inches

Vertical Post:

- 5" Series 11 gage galvanized steel
- 4.5" Series 13 gage galvanized steel
- 3.5" Series 13 gage galvanized steel
- 4" x 4" composite post with aluminum inter core

Galvanized Steel Tubing:

- 3.125" O.D. 13 gage
- 2.375" O.D. 13 gage
- 1.9" O.D. 13 gage
- 1.25" O.D. 14 gage
- 1.1" O.D. 16 gage
- Formed and fabricated into required components
- Finished as specified
- Complies with ASTM standards: A-500/A-513

Rotationally Molded Plastics:

- Low density polyethylene with UV-stabilized color
- Tensile strength is 2,500 PSI as defined by ASTM D-638
- Minimum wall thickness is 0.25"

Blow Molded Plastics:

- High-density polyethylene with UV-stabilized color
- Nominal wall thickness is 0.2"



GENERAL PRODUCT SPECIFICATIONS

HDPE Panels:

- 1/4", 1/2", and 3/4" high density polyethylene sheeting
- Solid and two color sheeting
- Tested in accordance with ASTM D1928 Procedure C
- Density per ASTM D1505
- Melt Index per ASTM D1238
- Tensile Strength and Ultimate Elongation per ASTM D638 Type 4
- Brittleness temperature per ASTM D746
- Flexural modulus per ASTM D790
- Coefficient of linear thermal expansion per ASTM E831
- Textured, matte finish
- UV stabilized

Plastisol Coated Products:

- 12 gage steel core
- 50,000 psi yield strength (ASTM E-8)
- 55,000 psi tensile strength (ASTM E-8)
- Nominal thickness of 0.080"
- Self-extinguishing
- Meets or exceeds automotive specifications NVSS302
- UV inhibitors to prolong life of the coating
- Meets or exceeds the heavy metal requirements of the CPSIA Act of 2008

Powder Coating:

- Shall be a minimum of 8 mills thick
- Electrostatically applied
- TGIC polyester powder baked on at 400 degrees
- Free of sharp edges and excess weld splatter
- Cleaned in an iron phosphate wash
- Resistant to salt spray (ASTM B-117)
- Resistant to humidity (ASTM D-2247)
- Lead free



GENERAL PRODUCT SPECIFICATIONS

Clamps:

- All clamping devices shall be Die Cast
- Material shall be high-strength aluminum alloy
- All clamps shall be double banded for highest clamping pressure
- All deck clamps shall be factory installed
- Powder coated to match vertical post as specified

Hardware:

- All required hardware shall be included in shipment
- All Fasteners are Stainless Steel
- Stainless Steel Grade 304
- Tamper-resistant button head TORX on principle connections
- Special tools shall be supplied in shipment
- Resistant to rust & corrosion

Installation Instructions:

- Descriptive instructions shall be provided
- Instructions shall include maintenance recommendations
- Instructions shall include full color 3D illustrations
- Instructions shall include top view details
- Instructions shall include footing details





PRODUCT WARRANTY

One Hundred (100) Year Limited Warranty

- On all aluminum and steel upright posts, post caps, and clamps against structural failure due to deterioration, corrosion, or workmanship
- On hardware against structural failure due to deterioration, corrosion, or workmanship

Fifteen (15) Year Limited Warranty

- On all rails, rungs, rigid climbers, loops, and decks against structural failure due to deterioration, corrosion, or workmanship
- On all HDPE and roto-molded plastic components against structural failure due to materials or workmanship

Three (3) Year Limited Warranty

- On all blow-molded plastic components against structural failure due to materials or workmanship

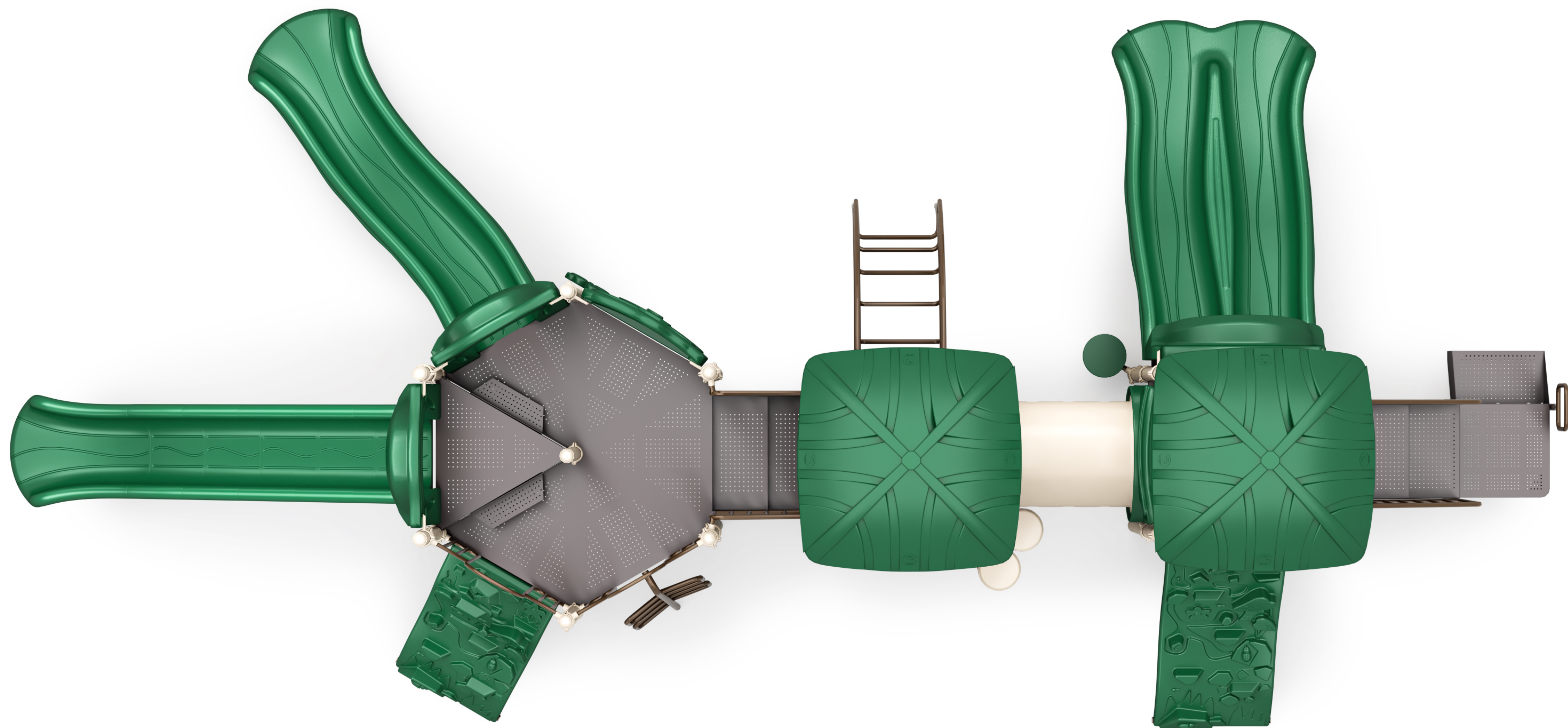
One Year (1) Limited Warranty

- On all moving parts against structural failure due to materials or workmanship
- KidsTale warrants to its original customer for as long as the original customer owns the product and uses the product with normal use and installation in accordance with published specifications to be free from defects in materials and workmanship
- This warranty does not cover damages from misuse, vandalism, modified parts, or damages such as dents, scratches, fading/weathering, and normal wear and tear
- Warranty claims must be filed within the applicable warranty period. Warranty parts will be shipped free of charge to the original destination. Warranty does not include the cost of labor for the part replacement. Replacement parts carry the applicable warranty from the date of shipment of the replacement part

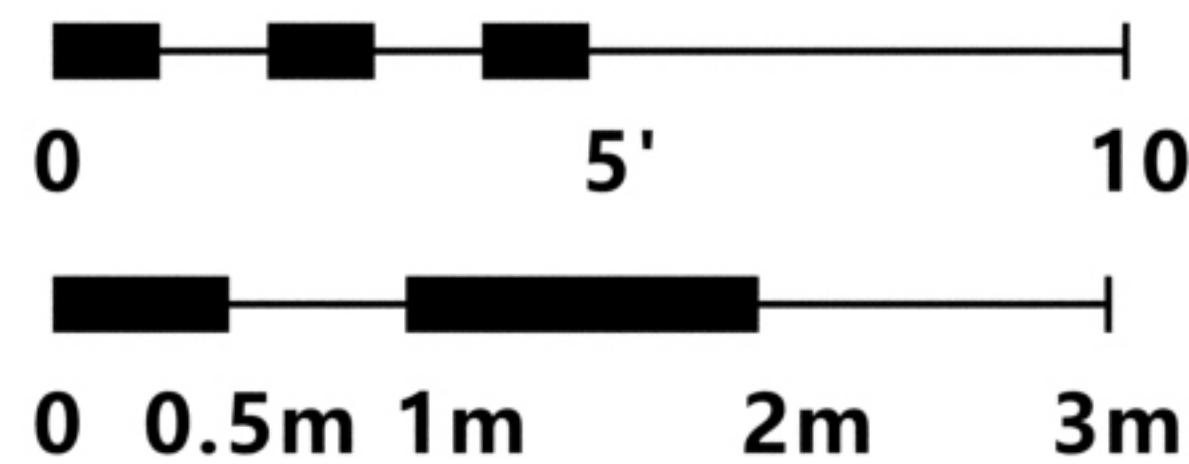
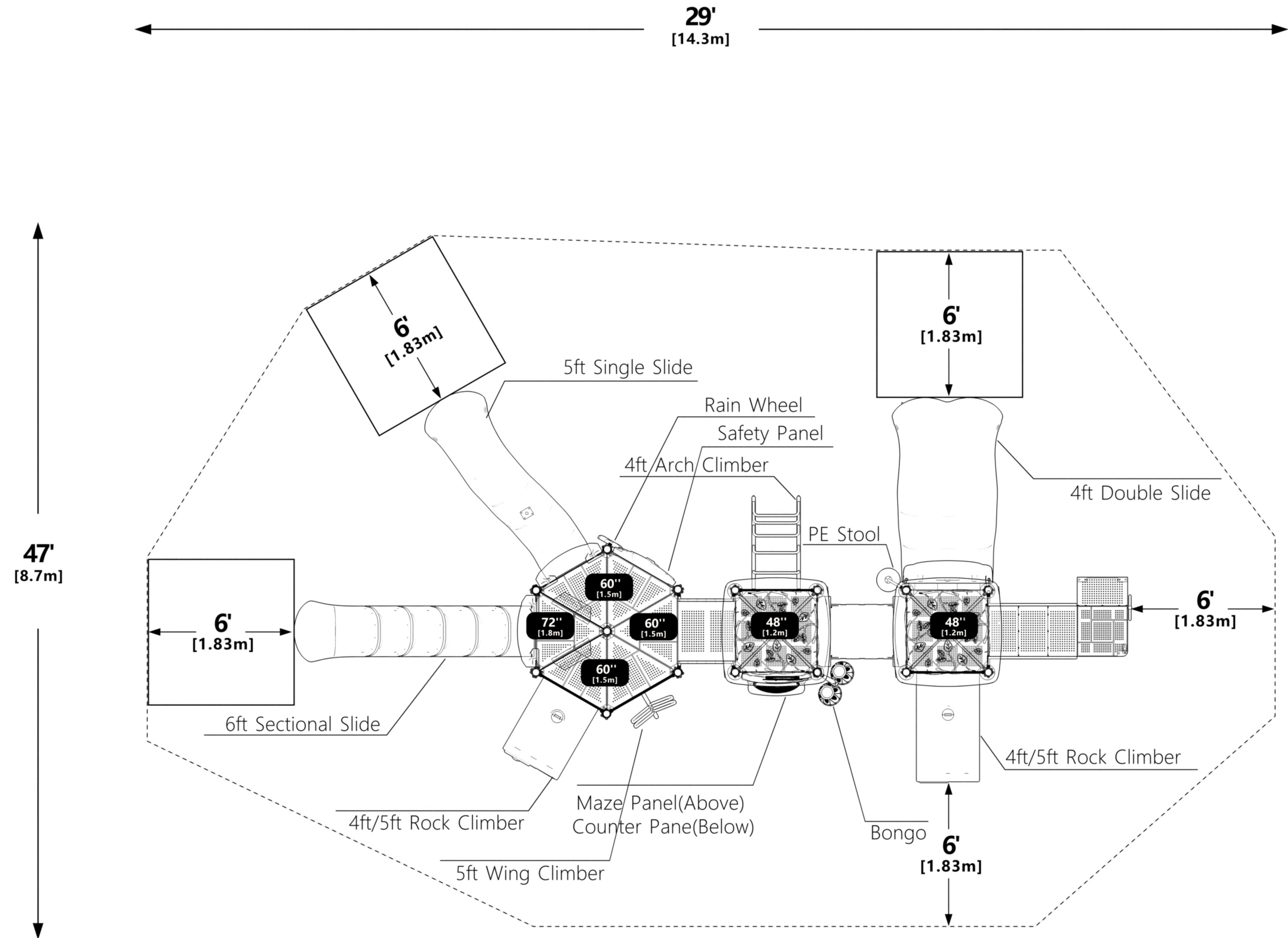








TOP VIEW



WISDOM PLAYGROUNDS

WWW.WISDOMPLAYGROUNDS.COM

PROJECT NAME

DESIGN NO:
WP-350019N12

DATE:

EQUIPMENT SIZE:
17'x34'-9"x15'-7"
[10.6m x 6.8m x 4.8m]

USE ZONE:
29'x47'
[14.3m x 8.7m]

PERIMETER:
128 Ft.
[38.5m]

SURFACE AREA:
1109 SqFt
[52.7 m²]

FALL HEIGHT:
48"
[1.2m]

AGE GROUP:
2-12

USER CAPACITY:
66-70

Compliance:
This play structure has been designed to meet the safety requirements established in:
- 2010 ADA Standard
- ASTM F1487-21
- CPSC Pub #325
when the play structure is installed over a properly maintained surfacing material which is in compliance with
- ASTM F292
- ASTM F1951
and is appropriate for the highest designated play surface of the structure.



Maintenance Guidelines

A consistent and thorough maintenance plan for each playground and independent play unit is the most effective way to keep your playground safe. Train the right people to oversee maintenance schedules and conduct inspections. We recommend the playground safety course offered by the National Recreation and Parks Association. With the successful completion of the course, a participant will earn the Certified Playground Safety Inspector (CPSI) certification, which is good for three years.

Maintenance

Maintenance reviews should be carried out in a systematic manner by trained personnel familiar with the playground area, such as maintenance workers, playground supervisors, etc. Any damaged or worn parts or any other hazards identified during a review must be repaired or replaced before allowing children to use the playground equipment.

The frequency of maintenance will be determined by several factors, such as the frequency of use, number of children using each unit, age of children, age of equipment, the surrounding area, and frequency and severity of inclement weather. Maintaining your playground equipment as well as its surrounding area, is essential to minimizing the risk of injury to users, as well as maximizing your playground's useful lifespan.



We recommend the following maintenance procedures be followed:

- On a daily basis:** A responsible individual should conduct a brief visual check for structural defects, signs of vandalism, and litter of foreign matter that needs to be removed.
- On a weekly basis:** A responsible individual should complete the checklist on the following pages. Any required repairs should be detailed on the separate maintenance. Once the repairs are completed, file the signed checklist and the record for future reference. A dated file and form should be kept for each play structure at each location.

Inspection

Inspections should be carried out by a certified playground safety inspector (CPSI). Check with your local area to find if there are current regulations regarding playground inspections.

Audit

Audits are conducted at milestones in the life of your playground. An audit includes a full inspection as well as a maintenance plan. Audits are recommended at the completion of the installation, a renovation, or significant addition. Part of the audit will include a maintenance plan and an inspection schedule.



Records

All maintenance and signed inspection reports must be kept on file. The maintenance records support your audit and action plan. The audit will continue to play a major role in the inspection and maintenance program by measuring progress, recording actions taken, and recommendations made.

Other important information to keep on file includes information about the manufacturer, sales representative contact information, sales brochures, date of purchase, sales/purchase order receipt, shipping information, renderings and drawings, bill of materials/packing list, installation instructions, date of installation, installer contact information, and warranty information. A record of any accident or injury reports should be retained on file as well.

Maintenance Checklist

Play Structure in General

- ☐ Post and component footings are not exposed, cracked, or loose
- ☐ Clamps show no sign of slippage, cracking, or failure
- ☐ Clamp drive rivets and hardware are secure
- ☐ Welds are intact and free of cracks
 - ☐ Slide and Deck Enclosures
 - ☐ Overhead Activities
 - ☐ Climbers
- ☐ No rust or corrosion
- ☐ No splintered, cracked, gouged or otherwise deteriorated plastics; check for integrity of the plastic, keep plastic clean of any extraneous substances, verify that any deformation does not create entrapment as specified on ASTM F-1487 Sec. 6
- ☐ No scratched, chipped, or peeling paint
- ☐ Metal parts show no visible cracks, bending, warping, or breakage
- ☐ No missing bolts, nuts, etc.
- ☐ All bolts & nuts and fasteners are tight
- ☐ All joints are secure **(pay special attention to sectional slides, flush mounted decks, and pipe connections)**
- ☐ All swivels, bearings, grease fittings, and moving parts are well lubricated and not excessively worn **(pay special attention to tot & strap swing seats)**
- ☐ No broken or missing parts
- ☐ No sharp edges or unsafe protrusions (check metal corners, bolts, etc.)
- ☐ No exposed mechanisms, junctions of moving parts, or components are posing possible pinch or crush points

Play Events

- ☐ Plastic is not cut or cracked
- ☐ All slide supports/anchors are intact and secure
- ☐ All 'S' hooks are closed and not excessively worn

Swings

- ☐ All 'S' hooks or clevises are closed and not excessively worn
- ☐ No exposed metal on swing seats
- ☐ Swing chain is in good condition and not excessively worn, especially at connection points
- ☐ Connectors and chain have free movement

Surrounding Area

- ☐ Resilient surfacing material is not scattered or excessively worn (**pay special attention to area at the end of slides and under swings**)
- ☐ Resilient surfacing material is adequately deep and retains its fall absorbing abilities as specified at time of installation
- ☐ Border around playground is in good condition and has not come loose
- ☐ No roots, rocks, or other objects are causing a tripping or injury hazard
- ☐ Area is clean of litter (no broken glass or bottles, etc.)



Wisdom Playground Warranty

Wisdom Playground warrants to its original customer for as long as the original customer owns the product and uses the product with regular use and installation in accordance with published specifications to be free from defects in materials and workmanship.

This warranty does not cover damage from misuse, vandalism, modified parts, or damage such as dents, scratches, fading/weathering, acts of God, and normal wear and tear.

Warranty claims must be filed within the applicable warranty period. Warranty replacement does not include the cost of labor for part replacement. Replacement parts carry the applicable warranty from the date of shipment of the replacement part.

One Hundred (100) Year Limited Warranty

- On aluminum and steel upright posts against structural failure due to deterioration, corrosion, or workmanship
- On hardware against structural failure due to deterioration, corrosion, or workmanship
- On post caps and clamps against structural failure due to deterioration, corrosion, or workmanship

Fifteen (15) Year Limited Warranty

- On rails, rungs, rigid climbers, loops, and decks against structural failure due to deterioration, corrosion, or workmanship
- On all HDPE and rotationally molded plastic components against structural failure due to materials, or workmanship

Five (5) Year Limited Warranty

- On cables and nets against premature wear due to natural deterioration or manufacturing defects
- On moving parts against structural failure due to materials or workmanship



One (1) Year Limited Warranty

- On all materials and products not covered above against failure due to materials or workmanship

Warranty Procedure

To make a warranty claim, submit your request in writing, including photographs of defective equipment, and the original purchase invoice or invoice number to your Wisdom Playground representative.

We will review the information and communicate options with you. If the product is under warranty, we will replace the defective part, including freight costs. Wisdom Playground is not responsible for labor costs to replace the part. Wisdom Playground reserves the right to inspect all products identified as defective, and photos of defective equipment will be required to accompany warranty claims.

COLOR SCHEMES



Natural



Beachy



Limelight



Shine



Forest



Sunrise



Jungle



Retro



Spring



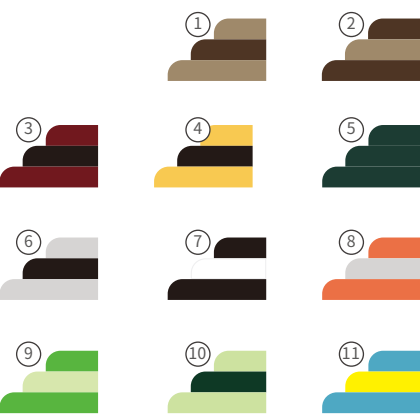
Primary



POWDER-COATED METAL COLORS



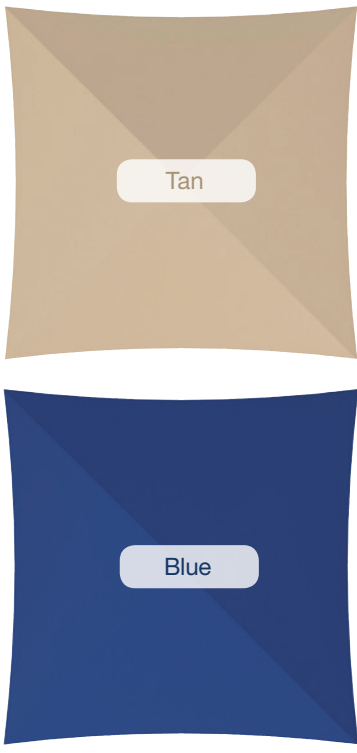
HDPE PANEL COLORS



MIDNIGHT PLASTIC COLORS



SHADE FABRIC COLORS





Because she's on it,
we care about what's in it™.

Earth-friendly infill that's safe around children and pets.

Non-toxic and completely reusable, Envirofill makes artificial turf look and feel great. And, Microban® antimicrobial product protection works continuously to help prevent the growth of bacteria, mold, and mildew. No wonder it's the new favorite of landscape experts. Call 877-881-8477 or visit xgrass.com and have your families love their lawn.



XGRASS

An official Envirofill Distributor Partner

A different kind of infill. Envirofill® is composed of naturally occurring silica sand found only in the Hickory Formation in central Texas. Its highly rounded quartz core resists compression so it doesn't continue to compact over the life of your lawn.

It's cool. Envirofill's natural heat reducing properties have been proven to lower synthetic lawn surface temperatures as much as 25%. And it resists changes brought on by even the harshest weather conditions, so your lawn is always a beautiful surface to relax or play.

It's cleaner. Microban® antimicrobial protection is infused into Envirofill during the manufacturing process to help prevent the growth of bacteria, mold, and mildew that can cause stains, odors, and product deterioration.

It's reusable. With its inherent durability and reusability, Envirofill has the potential to be reused as infill long after the turf wears out.

PRODUCT DATA ENVIROFILL® 12-20			
Physical properties	Measure	Test Method	Value
Dimensions	98.6% Retained 12-20 mesh sieves		
Materials	99.6% Silicon Dioxide, Pigment and Acrylic		
Hardness	Mohs Scale		6-8
Roundness	Krumbein Shape	ISO13503-2/API RP19C	0.7+
Density	lbs/cf	ASTM F-1815-06	110
Flammability		ASTM E648	Non-flammable
Dust			Negligible
Angle of Repose		ASTM C1444	±30 degrees
TCLP Metals Content	mg/kg	ASTM 6010	<Min Detectable Levels
Abrasiveness	Index	ASTM F 1015	26+/-2
Coefficient of Friction	Direct	ASTM F 1551	0.80 dynamic
Packaging	50lb bags or 3000lb Super Sacks		

Envirofill's exclusive partnership with Microban® provides an added level of antimicrobial protection for the lifetime of your lawn.

For more information visit www.xgrass.com or call 877-881-8477



TÜV SÜD America Inc.
Product Safety Services
47523 Clipper Drive
Plymouth, MI 48170
Phone: 734.455.4841

IPEMA Impact Attenuation Report – ASTM F1292-13

Participant: XGrass, Inc.
Main Office Address: 1243 Cavender Rd.
Dalton, GA 30721
Phone: (706) 272-0140
Manufacturing Location ID: Dalton, GA
Commercial Name of product: XGrass Prime 53oz. (6ft. System)
Date of Manufacture: Unknown
No. of samples submitted: 3 - 18in. X 18in. Turf Systems

TUV Report No.: QI1410379-1
Report Date: 10/30/2014
Test Date: 10/28, 10/29, 10/30/14
Selection: ☐ Initial: ☒
Follow up ☐ Ref Job:
Sample Receipt Date: 10/27/2014
Ambient Air Temperature: 22.5°C
Humidity: 37.0%

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	<u>PLYP00101</u>
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	<u>6/17/15</u>
Accelerometer ID:	<u>PLYP00121</u>	Environmental Chamber No.:	<u>PLYP00069</u>
Accelerometer Calibration Due Date:	<u>1/22/2015</u>	Calibration Due Date:	<u>8/11/15</u>

Loose fill Material Sample Description:

Engineered Wood Fiber:	<input type="checkbox"/>	Un-compacted Depth:	<u>Unknown</u> Inches
Loose Fill Wood:	<input type="checkbox"/>		
Rubber:	<input type="checkbox"/>		
Sand:	<input type="checkbox"/>	Compacted Depth:	<u>7</u> Inches
Aggregate:	<input checked="" type="checkbox"/>		
Soil:	<input checked="" type="checkbox"/>		

Unitary Sample Description:

Tiles	<input type="checkbox"/>	Total Thickness:	<u>2.625in.</u>
XGrass Prime	<input checked="" type="checkbox"/>	Top Layer:	<u>1.500in.</u>
Sofpad Foam	<input checked="" type="checkbox"/>	Base Layer:	<u>1.125in.</u>

Comments:

- 1.) Sample received in wooden boxes, as prepared by XGrass, Inc. Testing was performed on material as received.
- 2.) System description: 1.500in. Pile XGrass Prime 53oz. Turf, over 1.125in. Sofpad Foam, overlaying 4in. compacted aggregate, over 3in. compacted soil. Total system depth/thickness of 9.625in.
- 3.) Turf was infilled with 6.75lbs. of Envirofill infill (3lbs. per square foot, as specified and provided by XGrass, Inc.).

The above described sample was tested at : 6 Ft.

The results reported herein reflect the performance of the above described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides an accurate representation of the test results.

Sample in compliance with ASTM F1292-13 at the temperature and rating specified? Yes ☒ No ☐

Signature: _____

Title: Project Coordinator

Date: 10/30/2014

Reviewed by: _____

Title: Product Safety Engineer

Date: 10/30/2014

Client: XGrass, Inc.

TUV Report No.

Q11410379-1Manufacturer: XGrass, Inc.

Test Date:

10/28, 10/29, 10/30/14

Drop	Specified Impact Height (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)				
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	
1	6	111	449	19.7	6.033	101	332	19.7	6.033	106	324	19.7	6.033	
2	6	100	409	19.7	6.033	91	289	19.7	6.033	98	298	19.8	6.095	
3	6	90	321	19.7	6.033	86	254	19.8	6.095	102	336	19.8	6.095	
Average		95	365			88.5	271.5			100	317			
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C, (5°F)				23°C	Max. Change from reference ± 3°C, (5°F)				49°C	Max. Change from reference -3°C, (-5°F)	
Sample Condition:		DRY				DRY				DRY				

Drop	One foot over (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)				
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	
1					0.000				0.000				0.000	
2					0.000				0.000				0.000	
3					0.000				0.000				0.000	
Average		0	0			0	0			0	0			
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)				°C	Max. Change from reference ± 3°C, (5°F)				°C	Max. Change from reference -3°C, (-5°F)	
Sample Condition:														

Drop	One foot under (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1					0.000				0.000				0.000
2					0.000				0.000				0.000
3					0.000				0.000				0.000
Average		0	0			0	0			0	0		
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)			°C	Max. Change from reference ± 3°C, (5°F)			°C	Max. Change from reference -3°C, (-5°F)		
Sample Condition:													



America



TÜV SÜD America Inc.
Product Safety Services
47523 Clipper Drive
Plymouth, MI 48170
Phone: 734.455.4841

IPEMA Impact Attenuation Report – ASTM F1292-13

Participant: **XGrass, Inc.**
Main Office Address: **1243 Cavender Rd.**
Dalton, GA 30721
Phone: **(706) 272-0140**
Manufacturing Location ID: **Dalton, GA**
Commercial Name of product: **XGrass Prime 53oz. (12ft. System)**
Date of Manufacture: **Unknown**
No. of samples submitted: **3 - 18in. X 18in. Turf Systems**

TUV Report No.: **QI1410379-3**
Report Date: **10/30/2014**
Test Date: **10/28, 10/29, 10/30/14**
Selection: ☐ Initial: ☒
Follow up ☐ Ref Job:
Sample Receipt Date: **10/27/2014**
Ambient Air Temperature: **22.5°C**
Humidity: **38.0%**

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	PLYP00101
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	6/17/15
Accelerometer ID:	PLYP00121	Environmental Chamber No.:	PLYP00069
Accelerometer Calibration Due Date:	1/22/2015	Calibration Due Date:	8/11/15

Loose fill Material Sample Description:

Engineered Wood Fiber:	<input type="checkbox"/>	Un-compacted Depth:	Unknown Inches
Loose Fill Wood:	<input type="checkbox"/>		
Rubber:	<input type="checkbox"/>		
Sand:	<input type="checkbox"/>	Compacted Depth:	7 Inches
Aggregate:	<input checked="" type="checkbox"/>		
Soil:	<input checked="" type="checkbox"/>		

Unitary Sample Description:

Tiles	<input type="checkbox"/>	Total Thickness:	4.25in.
XGrass Prime	<input checked="" type="checkbox"/>	Top Layer:	1.50in.
Sofpad Foam	<input checked="" type="checkbox"/>	Base Layer:	2.75in.

Comments:

- 1.) Sample received in wooden boxes, as prepared by XGrass, Inc. Testing was performed on material as received.
- 2.) System description: 1.50in. Pile XGrass Prime 53oz. Turf, over 2.75in. Sofpad Foam, overlaying 4in. compacted aggregate, over 3in. compacted soil. Total system depth/thickness of 11.25in.
- 3.) Turf was infilled with 6.75lbs. of Envirofill infill (3lbs. per square foot, as specified and provided by XGrass, Inc.).

The above described sample was tested at : 12 Ft.

The results reported herein reflect the performance of the above described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides an accurate representation of the test results.

Sample in compliance with ASTM F1292-13 at the temperature and rating specified? Yes ☒ No ☐

Signature: [Signature]

Title: Project Coordinator

Date: 10/30/2014

Reviewed by: [Signature]

Title: Product Safety Engineer

Date: 10/30/2014

Client: XGrass, Inc.

TUV Report No.

QH1410379-3Manufacturer: XGrass, Inc.

Test Date:

10/28, 10/29, 10/30/14

Drop	Specified Impact Height (ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1	12	124	832	27.9	12.101	104	575	27.8	12.014	103	578	27.8	12.014
2	12	110	636	27.9	12.101	99	505	27.9	12.101	97	525	27.8	12.014
3	12	118	678	27.9	12.101	98	485	27.9	12.101	98	543	27.9	12.101
Average		114	657			98.5	495			97.5	534		
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C, (5°F)			23°C	Max. Change from reference ± 3°C, (5°F)			49°C	Max. Change from reference -3°C, (-5°F)		
Sample Condition:		DRY				DRY				DRY			

Drop	One foot over (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1					0.000				0.000				0.000
2					0.000				0.000				0.000
3					0.000				0.000				0.000
Average		0	0			0	0			0	0		
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)			°C	Max. Change from reference ± 3°C, (5°F)			°C	Max. Change from reference -3°C, (-5°F)		
Sample Condition:													

Drop	One foot under (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1					0.000				0.000				0.000
2					0.000				0.000				0.000
3					0.000				0.000				0.000
Average		0	0			0	0			0	0		
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)			°C	Max. Change from reference ± 3°C, (5°F)			°C	Max. Change from reference -3°C, (-5°F)		
Sample Condition:													



America



Innovative Synthetic Turf Systems

XGRASS PRIME

The color in the photograph may appear differently than actual product. Please request product samples from your sales representative.



Shine Block

Shine Block blade profiles reduce the reflective quality of the fiber allowing our grass to appear more like a healthy, well-trimmed, natural lawn.

Heat Block

With Heat Block color options, our turf is cooler than the competitions' artificial grass systems.

Face Weight:
53 oz.

Pile Height:
1.5"

Color:
Summer Blend

Thatch:
Green

Backing:
Duraflo

Fiber Type:
Omega

Specifications

Fiber Type	100% Polyethylene		
Fiber Mass	10800 denier	12000 d tex	Omega TXT PE Thatch
	7300 denier (Root Zone)	8100 d tex (Root Zone)	
Tufted Pile Height*	1.5 in	38.1 mm	
Tufted Face Weight*	53 oz/yd ²	1797 g/m ²	
Tufting Gauge	3/8		
Primary Backing	7.0 oz/yd ²	237 g/m ²	Stabilized dual layered woven polypropylene
Secondary Backing	10.0 oz/yd ²	339 g/m ²	Duraflo
Non Woven Scrim	2.7 oz/yd ²	91.5 g/m ²	
Total Weight*	72.7 oz/yd ²	2431 g/m ²	
Tufted Roll Width*	15 ft	4.57 m	

* Specifications provided above are tufted measurements. Final measurements can change during backing processes. XGrass is not responsible for typing errors on specifications listed above.



XGrass Warranty
10 YEAR LIMITED WARRANTY AGAINST FAILURE
DUE TO EXPOSURE TO SUNLIGHT (PE)
(PE Monofilament, XP, LSR)

Product

XGrass warrants that for TEN (10) years from the date of synthetic turf installation, the turf, when installed and maintained as recommended by the yarn & turf manufacturer, will retain at least 50% of its pile fiber. If any area or portion of the turf substantially changes, as distinguished from a change in texture, or if pile heights decrease 50% or more within ten years after its initial installation, XGrass will have all such areas or portions replaced with new turf of equivalent quality, excluding installation costs. XGrass also warrants that at the time of the initial turf installation, the synthetic turf will be free of manufacturing defects. Slight color changes will occur over the lifetime of this turf / carpet and is not considered an issue or basis for claim. All labor cost involved with the removal of the affected turf / carpet and reinstallation of the replacement carpet will be the responsibility of the purchaser.

Subject to the following limitations:

General provisions of this limited warranty apply only to the wear of the turf with regard to ultraviolet degradation, and do not apply to damage incurred during installation, improper underlay, pile crushing, willful or negligent abuses, or damage by machinery or equipment, nor does it apply when the turf is not professionally installed by an approved installer. This limited warranty does not apply to installations on stairways or other uneven surfaces, nor does it apply to turf which has not been properly maintained.

The expressed limited warranty excludes all implied warranties, and said manufacturer shall in no event be liable for a breach of warranty in any amount exceeding the mill invoice price of the turf.

If dissatisfied, the original owner must submit notice of all claims under this warranty to XGrass within ten (10) years from the date of turf installation.

Limitations on Coverage

This warranty does not apply (1) if the product is used for any application other than sports fields, courts, greens, or landscaping & play areas, (2) to any damage caused during or on account of improper installation or repairs, (3) to the extent that any defect or damage is caused by:

- a. Burns, cuts, accidents, vandalism, abuse, negligence, or neglect
- b. Improper design or failure of the sub-base of the sports field, green, court, or landscape
- c. Wear or abrasion caused by inadequate sub-base



- d. Wear or abrasion under swing sets, slides, and other high friction play equipment
- e. Wear due to lack of infill/no infill
- f. Movement of product due to lack of infill
- g. Use of infill products of an incorrect grade
- h. Failure to maintain infill products at the correct level (per FIFA accredited test institutes)
- i. Use of inappropriate footwear or sports equipment
- j. The playing surface being used other than for the purpose for which it was designed and installed
- k. Use of chemicals, herbicides, pesticides
- l. Use of improper cleaning methods
- m. Any harmful chemical reaction to the product caused by infill materials
- n. Acts of God or other conditions beyond the reasonable control of XGrass
- o. Post fibrillation after or during installation for purposes other than to get infill materials in place
- p. Failure to properly maintain, protect or repair the products or turf
- q. Packing, matting, or roll crush marks are inherent characteristics of turf / carpet manufactured using polypropylene/olefin and nylon fibers.
- r. Damage that occurs during the shipping/transportation process. All shipping claims must be filed against the truck line in question.
- s. Damage caused by reflection (melting) or other flammable materials

All synthetic turf is subject to normal wear and tear. Normal wear and tear is not a manufacturing defect and is not covered by this warranty.

Remedy

If a product fails to perform as warranted during the warranty period, XGrass will provide replacement product, F.O.B. Mill, for the product determined by XGrass or XGrass representative not to comply with the stated warranty, allowing the purchase price for the replacement product prorated for the number of months remaining in the unexpired warranty period. Purchaser shall be responsible for paying the portion of the purchase price for the replacement product not allowed by XGrass. XGrass shall not be responsible for removal of the defective turf or installation of the new.

Limitations on Liability

In no event shall XGrass be liable, whether on contract or in tort or under any other legal theory, for lost profits or revenues, loss of use or similar economic loss, or for indirect special, incidental, consequential, punitive or similar damages arising out of or in connection with the use, condition, possession, performance, maintenance, non-delivery or late delivery of the products, even if XGrass has been advised of the possibility of such damages.

XGrass shall not be responsible for any costs or expenses incurred by Purchaser or others with respect to any tests, inspections, or consultations conducted by Purchaser or others. Claims must be submitted within 30 days after discovery of the alleged defect. Purchaser must promptly inspect all products upon delivery. Anything herein to the contrary notwithstanding, to the extent that any defects,



shortages, or non-conformities in the products are discoverable by inspection upon delivery of the products, all obligations of XGrass Industries to purchaser with respect to such defects, shortages, and non-conformities shall be deemed satisfied, and all products shall be deemed to be free of such defects, shortages, and non-conformities, unless Purchaser notifies XGrass of such defects, shortages, or non-conformities in writing within 30 days after the date of delivery.

Assignment

Purchaser may not transfer, convey, or otherwise assign all or any of its rights under this warranty.

Claims Procedure:

Claims must be signed and submitted in writing and delivered to:

XGrass
Ron Bennett
210 Howell Drive
Dalton, GA 30721

Email: ron@xgrass.com

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Maintenance Highlights

Care and Maintenance:

Basic precautions and care will insure that your XGrass Play Surface will maintain its appearance and optimum performance for many years. These tips are not expensive and do not take a lot of time, but can do a lot to protect your investment for future use.

Precautions:

- Keep any kind of flame (cigarettes, charcoal grills, fireworks, etc.) away from the surface.
- Keep gasoline, oil or any other petroleum-based chemicals away from the surface.
- Keep surface free of leaves, grass clippings, or other debris. A good leaf blower works well to help keep the surface clean.
- Be careful when using any type of edging tools near the edge of the surface.
- The turf will resist the harmful effects of rain, snow, and ice. Some color loss is inherent in the product and will not affect the quality of the surface.

Recommended Maintenance Schedule:

Monthly:

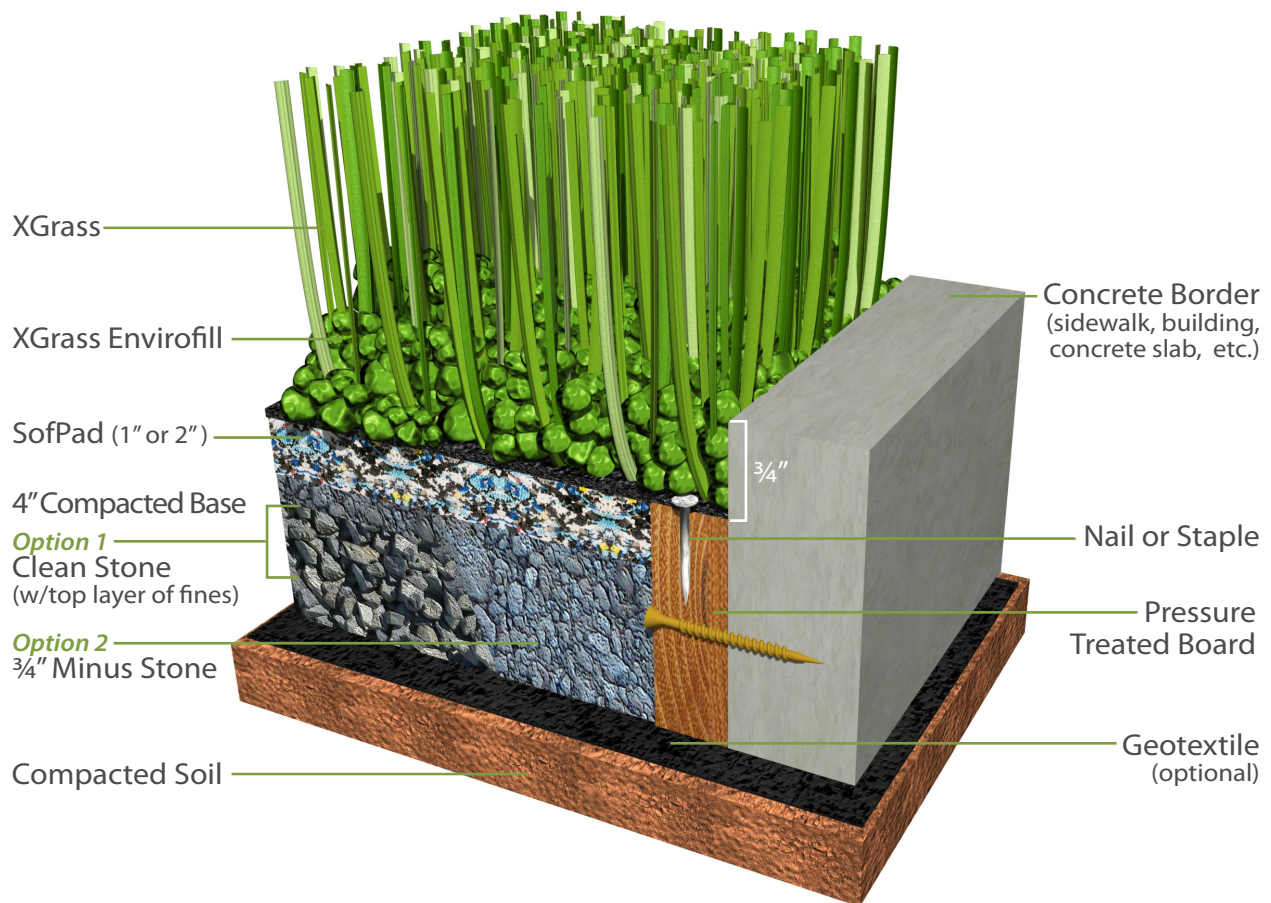
Brush Surface – this process involves using a power broom or a push broom. The operator should sweep against the fibers to stand up the blades of turf.

As needed:

Top Dress – this process involves using a drop spreader with the acrylic coated sand and apply where needed to fill in low spots.



Synthetic Turf for Play Areas With Concrete Border



Compacted Base Depth - 4"

SofPad - 1", 2" or 4"

Infill Depth - 3/4"

To accommodate this application prepare your site **5 3/4"** below grade with 1" SofPad,
6 3/4" with 2" SofPad or **8 3/4"** with 4" SofPad.

Components are not drawn to scale.



XGRASS.COM | TOURGREENS.COM | VERSACOURT.COM
1224 RIVERBEND ROAD, DALTON, GA 30721 | 1.877.881.8477

Versasport LLC
4957 N. Ridge Rd
Wichita, KS 67205

**ADDRESS**

Brian Hayes
City of Bel Aire Recreation
5251 East 48th Street North
Bel Aire, Kansas 67220

SHIP TO

Brian Hayes
City of Bel Aire Recreation
Eagle Lake Park
4220 N Westlake Drive
Bel Aire, Kansas 67220

Estimate VS-2500**DATE** 11/20/2024**EXPIRATION DATE** 01/31/2025**P.O. NUMBER**

Eagle Lake Playground - RFP

SALES REP

Lee Engler

PHONE NUMBER

316-259-8974

DESCRIPTION	QTY	RATE	AMOUNT
Demo - Remove and dispose of existing play equipment. Post and platform structure only	1	2,000.00	2,000.00
Demo - Remove existing sand safety surfacing 8.5" to 6" of existing sand as required for new turf safety surface profile.	1	6,286.00	6,286.00
Wisdom Harpers Place playset for 2-12 year age group Wisdom SKU: WP-350019N12 Colors to be determined Includes materials, freight and installation.	1	27,625.00	27,625.00
Horse Springer Kidstale CK-SR-2006 Includes materials, freight and installation.	1	599.00	599.00
"Orbital" Standing Spinner Kidstale FS-1805 Includes materials, freight and installation.	1	1,359.00	1,359.00
Kanga Swing Seat with Chain Sets Kidstale SS-0017 Includes materials, freight and installation.	1	1,609.00	1,609.00
Equipment Freight	1	2,000.00	2,000.00
Play Equipment Installation	1	7,350.00	7,350.00
Safety Surfacing/Synthetic Turf- SF: 1988. for 6' fall height. Includes: geotextile separation fabric, 4" gravel base, sub surface drainage, 1.25" foam pad, XGrass Prime synthetic play turf, Envirofill infill, freight and installation	1	35,268.00	35,268.00
Safety Surfacing/Synthetic Turf- SF: 1954 for 10' Fall Height. Includes: Geotextile separation fabric, 4" gravel base, sub surface drainage, 3.25" foam pads, XGrass Prime synthetic turf, Envirofill infill, freight and installation	1	38,558.00	38,558.00
Performance Bond - 3% of contract sum.	1	3,653.82	3,653.82

Estimate per drawing dated: November 11, 2025

SUBTOTAL

126,307.82

Organization must provide Sales Tax Exemption Certificate and Project Exemption Certificate at time of project acceptance. If not available, applicable sales tax will be included.

TAX

0.00

Public utilities will be located by local 811 One-Call before excavation. Private utilities and irrigation system lines are to be located by and responsibility of Owner. Additional cost may incur if unforeseen conditions, such as roots, buried rubble, bed rock or concrete hinders normal excavation.

Down payment of 50% required. Remainder of project price will be invoiced at time of completion.

Approve this estimate and return to VersaSport LLC to make order. An invoice will be sent by QuickBooks to customer for online payment or other payment option.

TOTAL	\$126,307.82
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Accepted By

Accepted Date

PROPOSAL SUBMISSION FORM

City of Bel Aire – Eagle Lake Park Playground Improvements

1. COMPANY NAME VersaSport LLC
2. ADDRESS (Home Office) 4957 N. Ridge Rd. Wichita Ks 67205
3. TELEPHONE NUMBER (office) 316-396-0112 (cell) 316-259-8974
4. NUMBER OF FULL-TIME EMPLOYEES 12
5. OWNERSHIP
- _____ Sole Proprietor _____ Other – Please Specify
- X _____ Limited Partnership

PROPOSAL PRICES

Eagle Lake Park Playground Improvements		
ITEM A – Removal and Disposal	QTY	AMOUNT
A1: Remove and dispose of existing playset	1	\$2,000
A2: Remove and dispose of existing sand	1	\$6,286
A3: Remove and replace existing swing set- seat (1)	1	0
ITEM B – Materials/Installation		
B1: Playset and installation	1	\$35,565
B2: Spring Rider (5-12 yr age range and 1 person capacity)	1	\$1,204
B3: Standing Spinner (5-12 yr age range and 1 person capacity)	1	\$1,964
B4: Tandem Swing (2-person capacity for adult/child) and installation	1	\$1,809
B5: Synthetic turf and installation	1	\$73,826
TOTAL PRICE Includes 3% Performance Bond \$3,654	\$	\$126,308

Signature of Authorized Representative

Date

Lee Engler / Project Manager