



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for  
 Quotation**

RFQ NUMBER  
**DNR210031**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**KRISTA FERRELL  
 304-558-2596**

S H P T O

Blue Ridge Outdoor Designs  
 PO Box 123  
 Blue Ridge VA 24064 USA  
 brokenground@verizon.net  
 540-797-2215

S H P T O

**DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158**

DATE PRINTED <b>09/03/2009</b>	TERMS	SHIP VIA	FOB	FREIGHT TERMS
BID OPENING DATE: <b>10/06/2009</b>		BID OPENING TIME <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		<b>\$75,708</b>
<p><b>PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK</b></p> <p><b>REQUEST FOR QUOTATION (RFQ)</b></p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES IS SOLICITING BIDS FROM RESPONSIBLE VENDORS FOR NEW PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 09/15/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT.</p> <p><b>BANKRUPTCY:</b> IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER</p>						

RECEIVED  
 2009 NOV 12 AM 9:45  
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE <b>5407657584</b>	DATE <b>11/9/09</b>
TITLE <b>President</b>	FAX <b>54-1732490</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

### Request for Quotation

RFO NUMBER:  
**DNR210031**

PAGE:  
**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**KRISTA FERRELL  
 304-558-2596**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

PROPERTY

SHIP TO

DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/03/2009				

BID OPENING DATE: **10/06/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ORDER.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION        PURCHASING DIVISION        BUILDING 15        2019 WASHINGTON STREET, EAST        CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: DNR210031</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE **5407657586** DATE **11/9/09**

TITLE **President** FBIN **54-1732490** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
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 Post Office Box 50130  
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# Request for Quotation

RFQ NUMBER
DNR210031

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/05/2009				

BID OPENING DATE: 10/15/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO EXTEND THE BID OPENING DATE						
BID OPENING DATE IS EXTENDED TO: 10/15/2009						
BID OPENING TIME REMAINS: 1:30 PM						
0001	1	LS		650-38		71,908
PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK						
						Freight
						3,800
***** THIS IS THE END OF RFQ DNR210031 ***** TOTAL:						\$75,708

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 5407657584	DATE 10/9/09
TITLE President	FEBN 54-1732-490	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
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 2019 Washington Street East  
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**Request for  
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RFQ NUMBER  
**DNR210031**

PAGE  
**3**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

RFQ COPY

TYPE NAME/ADDRESS HERE

SHIP TO

**DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/03/2009				

BID OPENING DATE: **10/06/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BID OPENING DATE: 10/06/2009</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- 423-839-2148 -----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY):</p> <p>----- Jim Jones -----</p> <p>***** THIS IS THE END OF RFQ DNR210031 ***** TOTAL: <u>\$75,708</u></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 5407657586	DATE 11/9/09
TITLE President	FAX 54-1732490	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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# Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
 KRISTA FERRELL  
 304-558-2596

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/13/2009				
BID OPENING DATE: 10/20/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
THIS ADDENDUM IS ISSUED TO:						
1.) ANSWER ALL TECHNICAL QUESTIONS SUBMITTED AND ACCEPTED IN ACCORDANCE WITH THE PROVISIONS OF THE ORIGINAL REQUEST FOR QUOTATION,						
2.) PROVIDE DRAWINGS FOR THE FOUR (4) PLAYGROUNDS						
3.) EXTEND THE BID OPENING DATE						
BID OPENING DATE IS EXTENDED TO: 10/22/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 1 *****						
0001	1	LS	650-38	PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK		\$75,708

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: TELEPHONE: 5407657586 DATE: 11/9/09

TITLE: President FEIN: SA 1732490 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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ADDRESS CORRESPONDENCE TO ATTENTION OF  
 KRISTA FERRELL  
 304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

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DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/19/2009				

BID OPENING DATE: 10/29/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 3						
THIS ADDENDUM IS ISSUED TO EXTEND THE BID OPEING DATE.						
BID OPENING DATE IS EXPENDED TO: 10/29/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 3 *****						
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK						
***** THIS IS THE END OF RFQ DNR210031 ***** TOTAL:						\$75,708

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 5407867584	DATE 11/9/09
TITLE President	FEIN 54-1732490	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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 304-558-2596**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES  
 CEDAR CREEK STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 1, BOX 9  
 GLENVILLE, WV  
 26351 462-7158

DATE PRINTED <b>10/28/2009</b>	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
BID OPENING DATE: <b>11/12/2009</b>		BID OPENING TIME: <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 4						
THIS ADDENDUM IS ISSUED TO EXTEND THE BID OPENING DATE.						
BID OPENING DATE IS EXTENDED TO: 11/12/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 4 *****						
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT FOR CEDAR CREEK STATE PARK						
***** THIS IS THE END OF RFQ DNR210031 ***** TOTAL:						<u>\$75,708</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE <b>5407657586</b>	DATE <b>11/9/09</b>
TITLE <b>President</b>	FEIN <b>54-1732490</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Cedar Creek State Park  
**PLAYGROUND EQUIPMENT SHEET**

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding "or equal" brands, please attach manufacturer's literature documenting that it meets the mandatory requirements stated in the specifications. Vendors should note the areas of the provided manufacturer's literature that adheres to the mandatory requirements outlined in the Request For Proposal.

Item No.	Equipment	Manufacturer	Model
1	Bathhouse # 1 Area Playground Henderson custom play structure, Model #PF09679R0, or equal.	Playkon 2	PSS-27430
2	Laundry/Bathhouse Area Playgrounds Henderson custom play structure, Model #PF09680R0, or equal.		PSS-27431-1
3	Bathhouse #3 Area Playground Henderson custom play structure, Model #PF09681R0, or equal.		PSS-27432-2
4	One Room School Area Playground Henderson custom play structure, Model #PF09682R0, or equal.		PSS-28108
5	One Room School Area Playground Area Henderson 1- bay arch wing 8' complete with belt seats, Model #SW340, or equal.		90015201
6	One Room School Area Playground Area Henderson arch swing 8' extend a half bay complete with baby seat, Model #SW342, or equal.		90915200
7	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms funtimber with spike, Model #FTB-00002, or equal.		Childforms



**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Model
8	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms filter ends, Model #ADJ-00008, or equal.	Childforms <del>Playground</del>	ADJ-00008
9	Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area geo-textile fabric, or equal.	ZEALER	Densliner
10	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area engineered wood fiber @ 8" compacted depth.	ZEALER	Wood Carpet

Cedar Creek State Park Playground Equipment

PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Bathhouse # 1 Area Playground Henderson custom play structure, Model #PF09679RO, or equal.	6663 <sup>00</sup>	6663 <sup>00</sup>
2	1	Laundry/Bathhouse Area Playgrounds Henderson custom play structure, Model #PF09680RO, or equal.	7044 <sup>00</sup>	7044 <sup>00</sup>
3	1	Bathhouse #3 Area Playground Henderson custom play structure, Model #PF09681RO, or equal.	17,478 <sup>00</sup>	17,478 <sup>00</sup>
4	1	One Room School Area Playground Henderson custom play structure, Model #PF09682RO, or equal.	28,605 <sup>00</sup>	28,605 <sup>00</sup>
5	1	One Room School Area Playground Area Henderson 1-bay arch wing 8' complete with belt seats, Model #SW340, or equal.	698 <sup>00</sup>	698 <sup>00</sup>
6	1	One Room School Area Playground Area Henderson arch swing 8' extend a half bay complete with baby seat, Model #SW342, or equal.	699 <sup>00</sup>	699 <sup>00</sup>
7	168	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms funtimber with spike, Model #FTB- 00002, or equal.	25.50	4280 <sup>00</sup>
8	8	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area childforms filter ends, Model #ADJ-00008, or equal.	22.50	180 <sup>00</sup>
9	6,985 square feet	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area geo-textile fabric or equal.	.16034	1120 <sup>00</sup>
10	6,985 square feet	Bathhouse #1 Area Playground, Laundry/Bathhouse Area Playground, Bathhouse #3 Area engineered wood fiber @ 8" compacted depth.	.7360	\$5141 <sup>00</sup>
			TOTAL	71,908

11 1 Freight \$3800<sup>00</sup> \$3800<sup>00</sup>  
 \$75,708

# PLAYLAND

**Note:**  
 1. This play structure design will meet ADA Accessibility Guidelines for Buildings and Facilities effective November 17, 2000 as published by the Architectural and Transportation Barriers Compliance Board with the addition of ground level play components of 9 different types of play and when installed over accessible surfacing.

2. This site plan should be checked against the actual site area prior to the purchase or installation of equipment.

3. The unit of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of least 6 ft, unless otherwise noted.

4. The structure size for this unit is 29' X 10', requiring protective surfacing for an overall use size of 41' X 22'. The approximate surface area is 713 sq ft. by ASTM F 1497-07 guidelines.

5. The structure is designed to accommodate 23 children from 2-5 years of age.

6. Separate Children as they play.

7. To ensure that accurate measurements are obtained from this site plan, print copies on 11 x 17 paper at full scale.

8. The customer's responsibility is to check local soil conditions and drainage within the site. The site must also be surveyed for underground utilities prior to excavation.

9. Completely read your installation manual prior to beginning construction.

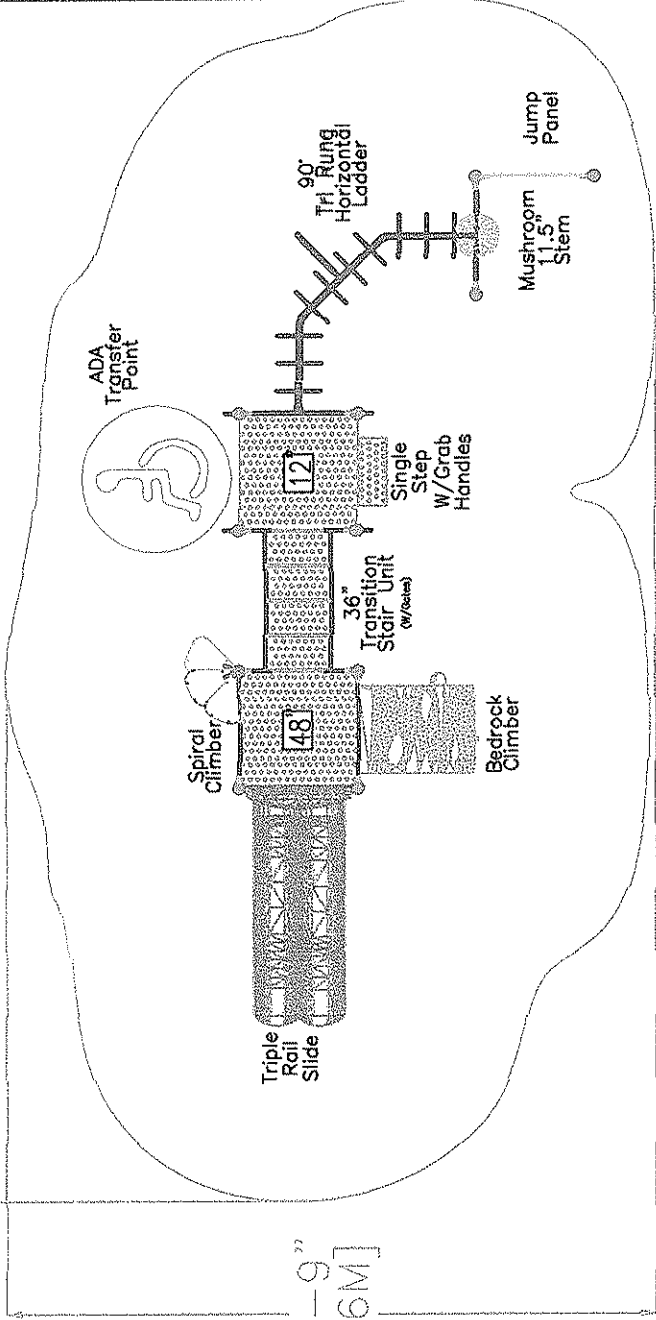
10. This design configuration is the property of this firm and Playland Inc. and may not be reproduced or used in any manner without the expressed written consent of this firm and Playland.

11. Perimeter requires 27' Land Scope Timbers 4' Long.

None

40' - 10"  
[12.4M]

21' - 9"  
[6.6M]



1 of 2

Beverly Smith

4/17/09

PS5-27430

# PLAYLAND

**Note:**  
 1. This play structure design will meet ADA Accessibility Guidelines for Buildings and Facilities effective November 17, 2003 as published by the Architectural and Transportation Barriers Compliance Board with the addition of ground level play components of different types of play and when installed over accessible surfacing.

2. This site plan should be checked against the actual site area prior to the purchase or installation of equipment.

3. The unit of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of at least 6 ft, unless otherwise noted.

4. The structure size for this unit is 23' x 13' requiring protective surfacing for an overall size of 40' x 28'. The approximate surface area is 1117 sq. ft. by ASTM F 1487-07 guidelines.

5. The structure is designed to accommodate 25 children from 5-12 years of age.

6. Supervise Children as they play.

7. No Excuse that accurate measurements are obtained from this site plan, print copies on 11 x 17 paper at full scale.

8. The customer's responsibility is to check local soil conditions and drainage within the site. The site must also be surveyed for underground utilities prior to excavation.

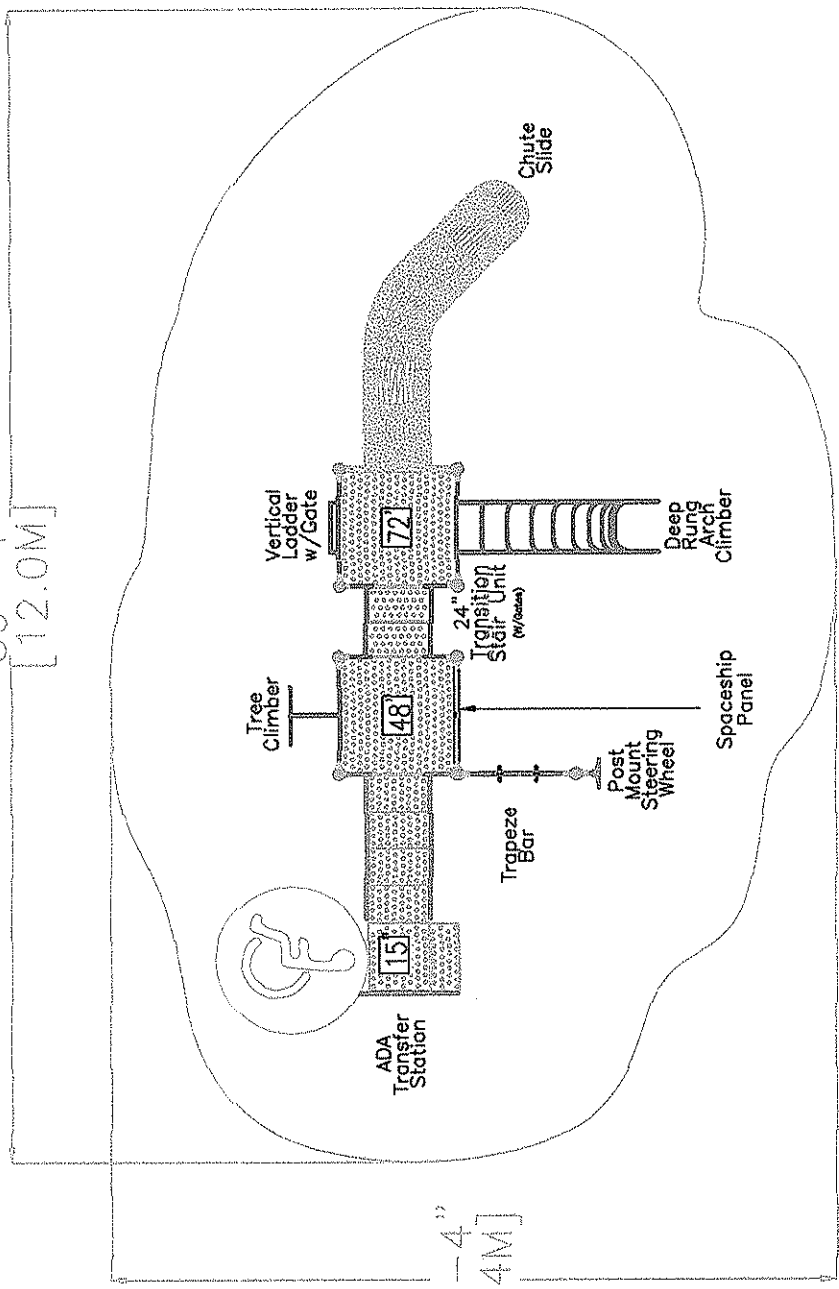
9. Completely read your installation manual prior to beginning construction.

10. This design configuration is the property of this firm and Playland Inc. and may not be reproduced or used in any manner without the expressed written consent of this firm and Playland.

11. Perimeter Requires 28' Land Slope Timbers 4' Long.

39' - 4"  
 [12.0M]

24' - 4"  
 [7.4M]



None

1 of 2

Beverly Smith

10/21/09

PSS-27431-1

# PLAYLAND

**Notes:**  
 1. This play structure design will meet ADA Accessibility Guidelines for Buildings and Facilities, effective November 17, 2000 as published by the Architectural and Transportation Barriers Compliance Board with the addition of ground level play components of 0' different types of play and when installed over accessible surfacing.

2. This site plan should be checked against the actual site area prior to the purchase or installation of equipment.

3. The unit of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of at least 5' ft, unless otherwise noted.

4. The structure size for this unit is 61' X 30' requiring protective surfacing for an overall use area of 33' X 27'. The approximate surface area is 1601 sq ft. by ASTM F 1967-97 guidelines.

5. The structure is designed to accommodate 22 children from 5-12 years of age.

6. Supervise Children as they play.

7. To ensure that accurate measurements are obtained from this site plan, print copies on 11 x 17 paper at full scale.

8. The customer's responsibility is to check local soil conditions and drainage within the site. The site must also be surveyed for underground utilities prior to excavation.

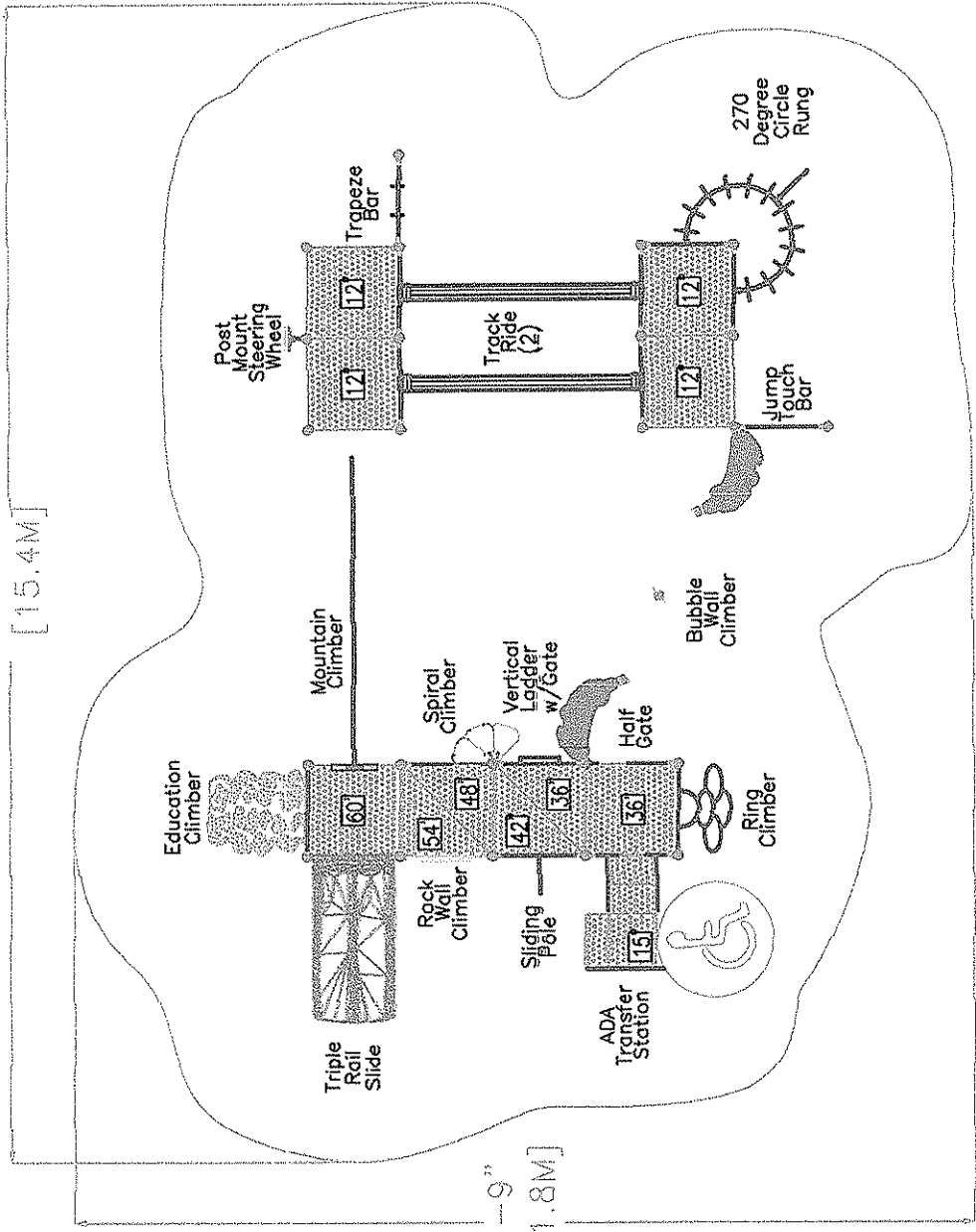
9. Completely read your installation manual prior to beginning construction.

10. This design configuration is the property of this firm and may not be reproduced or used in any manner without the expressed written consent of this firm and Playland.

11. Perimeter Requires 40' Land Slope Timbers 4' Long.

50' - 6"  
[15.4M]

38' - 9"  
[11.8M]



PS5-27432-2

10/21/09

Beverly Smith

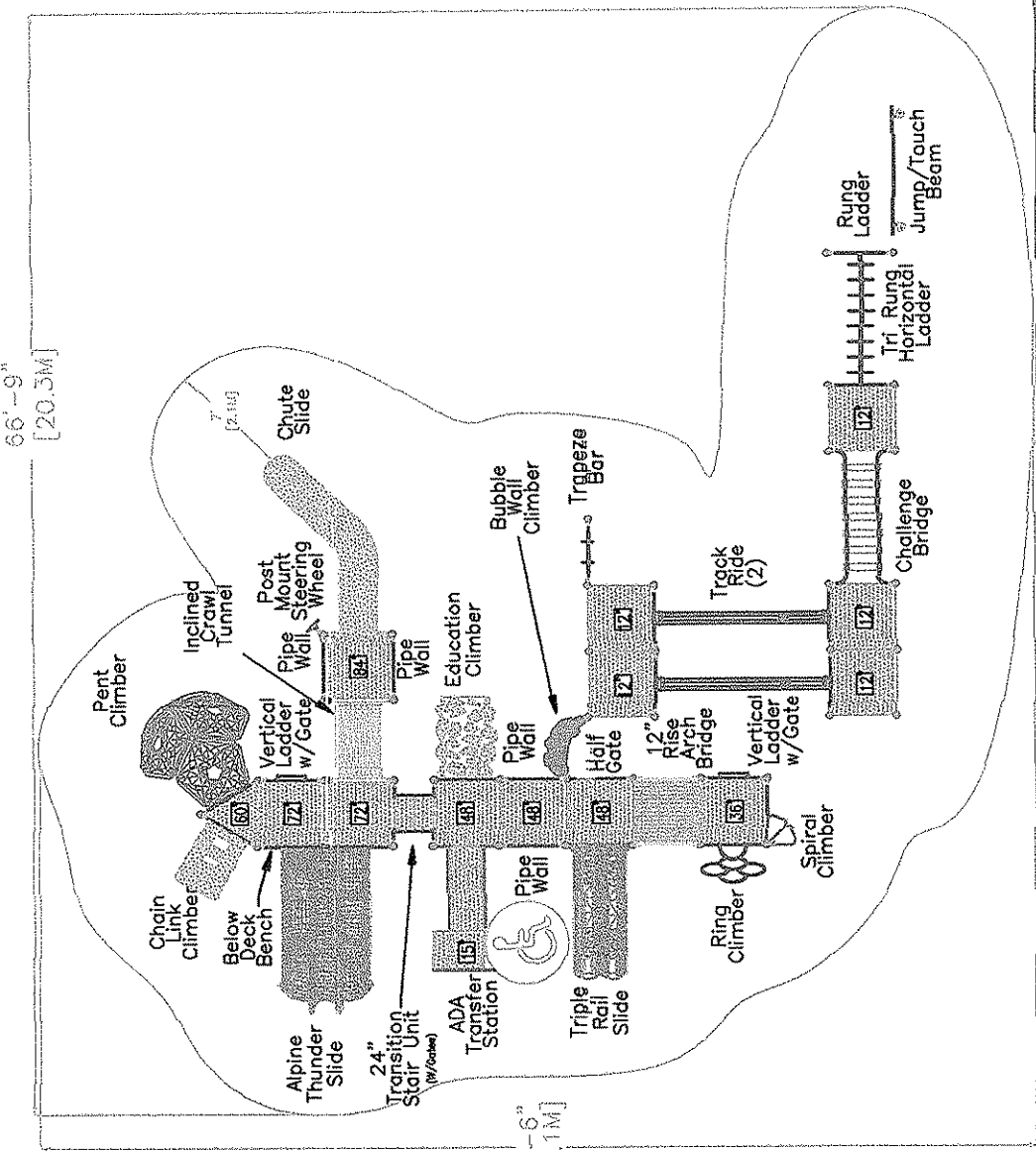
1 of 2

None

# PLAYLAND

**Notes**

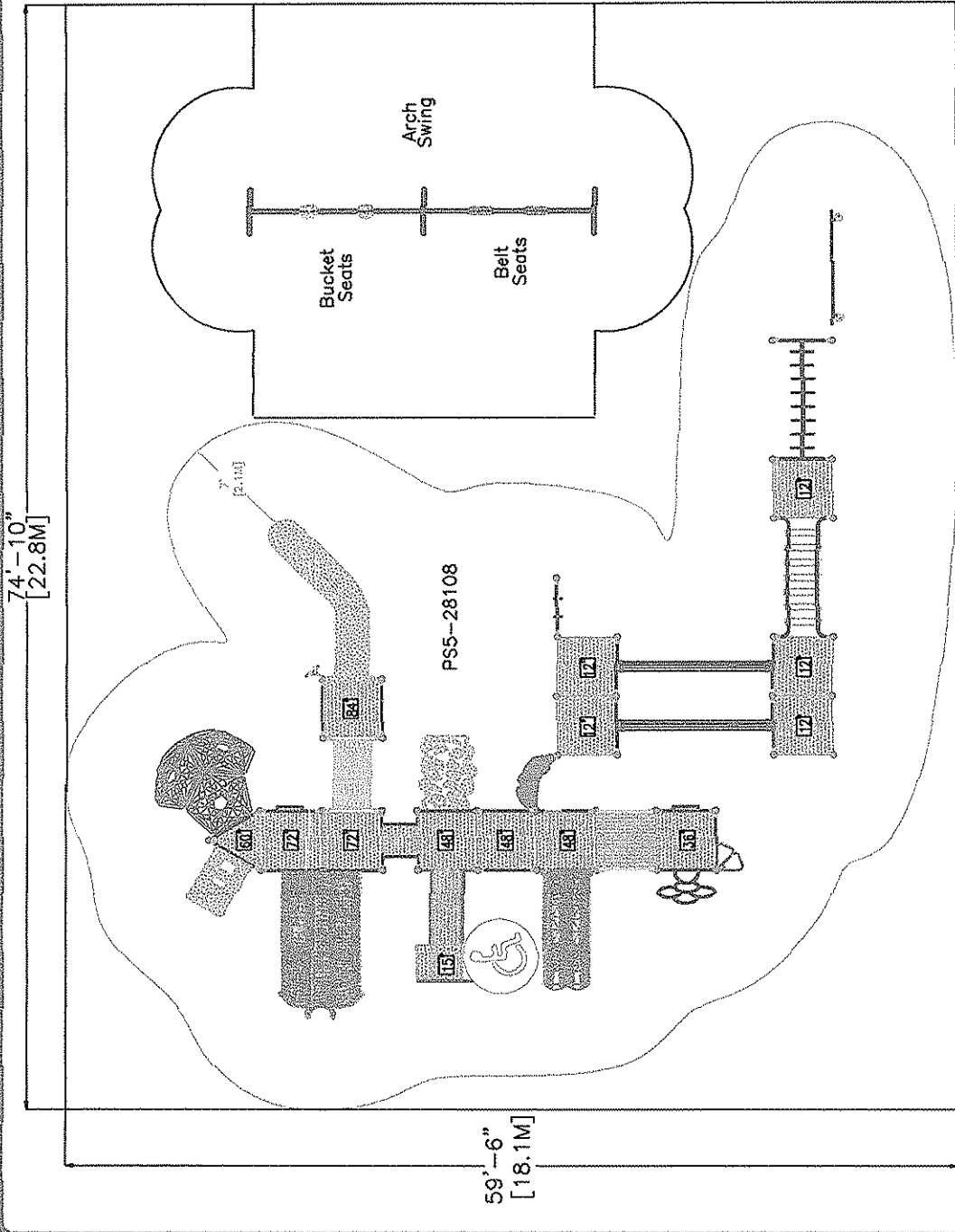
1. This play structure design will meet ADA Accessibility Guidelines for Buildings and Facilities effective November 17, 2000 as published by the Architectural and Transportation Barriers Compliance Board with the addition of 0 different types of ground level play components of 0 different types of play and main installed over accessible surfacing.
2. This site plan should be checked against the actual site area prior to the purchase or installation of equipment.
3. The unit of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a fall height of least 7 ft, unless otherwise noted.
4. The structure size for this unit is 55 x 48, requiring protective surfacing for an overall use zone of 67 x 60. The approximate surface area is 2302 sq. ft. by ASTM F 1497-07 guidelines.
5. The structure is designed to accommodate 83 children from 5-12 years of age.
6. Supervise Children as they play.
7. To Ensure that accurate measurements are obtained from this site plan print copies on 11 x 17 paper at full scale.
8. The customer's responsibility is to check local soil conditions and drainage within the site. The site must also be surveyed for underground utilities prior to excavation.
9. Completely read your installation manual prior to beginning construction.
10. This design configuration is the property of this firm and Playland Inc. and may not be reproduced or used in any manner without the express written consent of this firm and Playland Inc.
11. Perimeter requires 83' Land Scope Timbers 4' Long.



# PLAYLAND

**Notes**

1. This play structure design will meet ADA Accessibility Guidelines for Buildings and Facilities, effective November 17, 2000 as published by the Architectural and Transportation Barriers Compliance Board with the addition of 193A ground level play components of 193A different types of play and when installed over accessible surfacing.
2. This site plan should be checked against the actual site area prior to the purchase or installation of equipment.
3. The unit of measure located in the center of the platform indicates the height above the protective surfacing level. The protective surfacing for this design must accommodate a full height of at least 7 ft, unless otherwise noted.
4. The structure size for this unit is          requiring protective surfacing for an overall use area of 75' x 60'. The approximate service area is          sq. ft. by ASTM F 1487-07 guidelines.
5. The structure is designed to accommodate          children from 5-12 years of age.
6. Supervise Children as they play.
7. To Ensure that accurate measurements are obtained from this site plan, print copies on 11 x 17 paper at full scale.
8. The customer's responsibility is to check local soil conditions and drainage within the site. The site must also be surveyed for underground utilities prior to excavation.
9. Completely read your installation manual prior to beginning construction.
10. This design configuration is the property of this firm and Playland Inc. and may not be reproduced or used in any manner without the expressed written consent of this firm and Playland.
11. Permittee Requires          Land Slope Factors & Long





150 Adamson Industrial Blvd.  
Carrollton, Georgia 30117  
1-800-356-4727  
[www.playland-inc.com](http://www.playland-inc.com)

October 14, 2009

To Whom It May Concern:

This is our letter stating that the playground equipment provided for IFB #10040 meets or exceeds all guidelines and specifications of this bid as they pertain to CPSC Guidelines Publication #325 and ASTM – F 1487-07, ADA regulations.

It is IPEMA approved. For certificates for all play events listed in this bid go to [www.ipema.org](http://www.ipema.org)

All paints used are American made of lead free powder coated materials, and all resins for rotationally molded plastics are lead free products.

Thank you,

A handwritten signature in cursive script, appearing to read "William B. Clapp, Jr.", written in black ink.

William B. Clapp, Jr.  
[billc@playland-inc.com](mailto:billc@playland-inc.com)  
IPEMA Testing and Quality Control





## **Warranty**

### ***Playland International, L.L.C. General Guarantee:***

Playland warrants its products to be free from defect in materials or workmanship during normal use and installation.

### ***Playland International, L.L.C. further warrants the following:***

- Limited **Lifetime Warranty (100 years)** on Galvanized Steel Posts, all Stainless Steel Hardware, Aluminum Deck and Components Clamps and Aluminum Post Caps.
- Limited **15-Year Warranty** on all Punched Decks.
- Limited **15-Year Warranty** on all Rails, Rungs, Loops, Rotomolded and Plastic Sheet Components.
- Limited **3- Year Warranty** on support structure for spring animals
- Limited **1-Year Warranty** on all Moving Parts, Swing Seats & Hangers and other materials not covered above.

The warranty stated above is valid only if the structures are installed in conformity with the installation instructions provided by Playland International, L.L.C. using approved parts by Playland International, L.L.C. All parts are to be subjected to normal use for the purpose of which the parts were designed. Prior to installation, these parts are not to be subject to vandalism, misuse, neglect or accident. Parts are not to be altered, modified or repaired by anyone other than Playland International, L.L.C.

This warranty does not cover cosmetic items (such as scratches, dents, fading, discoloring, weathering), paint or decorations, and normal wear and tear.

Playland International, L.L.C shall deliver the repaired or replacement part or parts to the site free of charge, but will not be responsible for labor or the cost of labor on replacing these parts. Replacement parts shall be covered under the original warranty.

**This warranty is exclusive and is in lieu of all other warranties, whether express or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose. Further, no representation, oral or written, of any Playland International Sales Representative may be substituted for the aforescribed exclusive limited warranty. To the extent permitted by law, Playland International shall not be liable for any direct, indirect, special, incidental, or consequential damages, which are expressly excluded from this sale.**

# GENERAL PRODUCT SPECIFICATIONS

UPDATED 04/13/2006

## **ADVENTURE SERIES**

3.5" O.D. vertical posts  
36" deck grid / 48" deck grid  
24" diameter plastic / 30" diameter plastic

## **EXPEDITION SERIES**

5" O.D. vertical posts  
48" deck grid  
30" diameter plastic

## **VERTICAL POSTS (STEEL)**

- 13 gauge galvanized steel (3.5" Series)
- 11 gauge galvanized steel (5" Series)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)
- Triple Flo-Coated corrosion protection (interior and exterior)
- Interior and exterior corrosion resistance (ASTM B-117)
- Contains a minimum of 30% recycled steel and is 95%-98% recyclable
- Manufactured per ASTM 500

## **VERTICAL POSTS (RECYCLED PLASTIC)**

- Made of recycled milk jugs
- Polyethylene
- Minimum of 50% recycled material – up to 90% recycled material

## **PIPE**

- Contains a minimum of 30% recycled steel and is 95%-98% recyclable
- Triple Flo-Coated corrosion protection (interior and exterior)
- Interior and exterior corrosion resistance (ASTM B-117)
- Manufactured per ASTM 500

### **1-1/4" O.D. ROUND**

- 14 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### **1.66" O.D. ROUND**

- 13 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### **1.90" O.D. ROUND**

- 13 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### **2-3/8" O.D. ROUND**

- 13 gauge galvanized steel / 9 gauge steel (Bi-pod/Tri-pod top bar)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### 3.5" O.D. ROUND

- 13 gauge galvanized steel (3.5" Series)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### 4" O.D. SQUARE

- 11 gauge galvanized steel
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

### 5" O.D. ROUND

- 11 gauge galvanized steel (5" Series)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

## POST CAPS

- Aluminum alloy (GM70B) manufactured and tested in accordance with ASTM Standards: ASTM B 179-68, ASTM B 108-68, ASTM E 10-66 and ASTM E 8-66
- Powder coat finish
- Available for 3.5" series or 5" series playgrounds

## C-LINE FITTINGS

- Aluminum alloy (GM70B) manufactured and tested in accordance with ASTM Standards: ASTM B 179-68, ASTM B 108-68, ASTM E 10-66 and ASTM E 8-66
- Mounts to vertical posts with adhesive gasket and four ¼"x1" TORX self-tapping screws with patch
- Powder coat finish
- Pre-drilled
- Available for panel or pipe applications

## SEALING GASKET

- Neoprene rubber
- 60 +/- 5 durometer hardness
- Used for C-Line fittings
- Double sided adhesive

## HARDWARE

- Conforms to ANSI/ASCE-8-90
- Security patch to insure screw locks into vertical pipe
- Tamper resistant

## **SWINGS**

### **BI-POD / TRI-POD**

#### **FRAME**

- 2-3/8" O.D. round galvanized pipe
- 9 gauge top bar / 13 gauge legs

#### **SWING YOKE**

- 356 aluminum alloy
- Heat treated to T-6 specifications
- 30.0 ksi tensile strength
- 20.0 ksi yield strength
- Powder coat finish

### **ARCH**

#### **3.5" FRAME**

- 3.5" O.D. round galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

#### **5" FRAME**

- 5" O.D. round galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

#### **TIRE SWING**

- 5/0 heavy duty chain
- SH-40 clevis connector
- SH-51 tire swivel

### **SINGLE 5" POST**

- 5" O.D. round galvanized pipe
- Powder coat finish

## **CLEVIS CONNECTOR (SH-40)**

- Galvanized, forged steel
- Tamper resistant
- Galvanized hex pin shoulder bolt
- Special tool required for install

## **SWING HANGERS (SH-09 & SH-10)**

- Grade 32510 hot-dipped, galvanized, malleable iron
- Manufactured per ASTM A339-55
- Rust proof
- Lubrication-free brass bearing
- Plated carriage bolts and machine bolts
- Will not twist on pipe
- SH-09 fits 2-3/8" O.D. pipe
- SH-10 fits 3-1/2" O.D. pipe
- Smooth, noiseless action

### **SWING HANGERS (SH-46 & SH-48)**

- Grade 32510 hot-dipped, galvanized, malleable iron
- Manufactured per ASTM A339-55
- Rust proof
- Lubrication-free brass bearing
- Plated carriage bolts and machine bolts
- Will not twist on pipe
- SH-46 welded to top bar of 3-1/2" arch swings
- SH-48 welded to top bar of 5" arch swings and 5" single post swings
- Smooth, noiseless action

### **HEAVY DUTY TIRE SWIVEL (SH-51)**

- Machined steel
- 90° universal cast steel joint covered by rubber boot
- Enamel coating
- Grease fittings for easy maintenance
- Secured with four plated machine bolts and nylon insert lock nut
- 3-point mounting system
- Sealed needle bearings

### **SWING HANGERS (SH-33R)**

- Grade 32510 hot-dipped, galvanized, malleable iron
- Manufactured per ASTM A339-55
- Rust proof
- Lubrication-free brass bearing
- Plated carriage bolts and machine bolts
- Will not twist on pipe
- Used for trapeze rings
- Smooth, noiseless action

### **CHAIN (4/0)**

- Hot dipped, galvanized for rust prevention (ASTM A-153)
- Zinc plated (ASTM B-633)
- Straight link coil
- Maximum working load limit 670 pounds (4/0 chain)
- Minimum ultimate break 2,680 pounds (4/0 chain)
- 0.85" OD – 0.414" ID (4/0 chain)
- 1.80" OAL (4/0 chain)

## **SWING SEATS**

### **S-02 BELT SEAT**

- 6" Wide
- Compression molded from EPDM co-polymer
- Steel inserts for strength and durability
- Galvanized hardware
- 5 color options

### **S-14 HALF BUCKET SEAT and S-11 FRONT SAFETY CHAIN**

- Steel inserts for strength and durability
- Galvanized hardware
- 4 color options

### **S-11 FRONT SAFETY CHAIN**

- Attaches to seat with S-hooks
- Closes with snap
- Protective plastic cover

### **S-16 FULL BUCKET SEAT**

- One-piece co-polymer construction
- Steel inserts for strength and durability
- 5" wide band surrounds toddlers
- Galvanized hardware
- 5 color options

## **CHIN-UP BARS**

- 1-1/4" O.D. round galvanized steel
- 3.5" O.D. vertical posts
- Powder coat finish

## **PVC COATED ITEMS**

### **DECKS / PLATFORMS / ARCH BRIDGE / SUSPENSION BRIDGE / ADA PLATFORM / STAIRS / WIGGLE POD TOPS**

- 12 Gauge HRPO Steel
- Perforated surface with holes spaced 1.25" apart o.c.
- Approx. 5/8" hole size after coating (5/16" hole diameter for wiggle pod tops)
- Polyvinyl Chloride (PVC) coating

## **POLY SHEET**

### **ACTIVITY PANELS / ROCK WALL CLIMBER / PANEL GATE / RIDER BODY / LILY PAD STEPS / PANEL LADDER / CHALLENGE BRIDGE STEPS / SIGNS / INCH WORM BRIDGE STEPS**

- 3/4" high density polyethylene sheeting (Densetec)
- Tested in accordance with ASTM D1928 Procedure C
- 4,400 psi tensile strength (ASTM D638)
- Textured finish
- UV stabilized
- 9 color options

## **GRAB HANDLE**

- 1-1/4" O.D. round galvanized steel
- Pre-treatment wash primer
- Powder coat finish

## **KICK PLATES**

- 12 gauge galvaleneal steel sheet metal
- Powder coated finish

## **OUTRIGGER RAPID ROCKER**

### **FRAME**

#### **CENTER PIPE**

- 2" O.D. square steel tube
- Pre-treatment wash primer
- Powder coat finish

#### **HAND HOLDS**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

#### **SPRING RUBBER**

- Black EPDM rubber
- M2AA307 B13 C12 F17 Z1
- Z1 = 26 +/-5 durometer hardness

## **TALK TUBE**

### **CONE**

- Aluminum alloy (ANSI AA319.0 f)
- 27 ksi tensile strength (ultimate)
- 18 ksi tensile strength (yield)
- 19 ksi compressive strength (yield)
- Powder coat finish

### **POST**

- 1-1/4" O.D. round steel tube
- Powder coat finish

## **THREE WHEEL SWINGER**

### **FRAME**

- 2-3/8" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### **WHEELS**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### **RUNG LADDER (FREESTANDING ONLY)**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## **OUTRIGGER BOUNCY BOUNCE**

### **SPRING RUBBER**

- Black EPDM rubber
- M2CA 610 A25 B35 C32 F17 Z1 Z2
- Z1 = EPDM, Z2 = 65 +/-5 durometer hardness

### **HANDRAIL**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### **PLATFORM**

- End tabs 2" O.D. square 11 gauge steel tube
- 12 gauge HRPO steel
- 50,000 psi yield strength (ASTM E-8)
- 55,000 psi tensile strength (ASTM E-8)
- Perforated surface - approx. 5/8" diameter spaced 1.25" apart o.c.
- Polyvinyl Chloride (PVC) coating

## **HORIZONTAL LADDERS (STANDARD / 180 DEGREE / 360 DEGREE)**

### **TOP RAIL**

- 2-3/8" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### **END PIPES (where applicable)**

- 1.9" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### **HAND RAILS**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## **PLASTICS (TUBES / SLIDES / HEX ROOF / PYRAMID ROOF / HOODS / SPINNERS CRAWL TUNNELS / COLORED LANDSCAPE TIMERS / SPRING ANIMAL BODY/ ADA LANDSCAPE RAMP/ TORTOISE CLIMB/ TIRES)**

- 1<sup>st</sup> quality linear low density Polyethylene (LDPE) – ExxonMobil LL8450
- Rotational molded
- 3/8" wall thickness
- 2,550 psi tensile strength (ASTM D638)
- Mold-in graphics
- UV stabilized
- UV 8 Rating (tested per ASTM G155 cycle 1 guidelines)
- Anti-static inhibitors
- 9 color options



## LANDSCAPE TIMBERS - BLACK

- High density polyethylene copolymer resin – DMDA-6147 Natural 7
- Blow molded
- High moldability, toughness and stress-crack resistance
- Uniform wall thickness
- 5,000 psi tensile strength (ASTM D638)
- 3,600 psi yield strength (ASTM D 638)
- Stakes are A36 mild steel, hot dipped galvanized, ASTM A 153C

## LANDSCAPE STAKES

- ¾"X30" Dome Spike Bolt
- Stakes are A36 mild steel, hot dipped galvanized
- Manufactured per ASTM A153C HDG

## BRIDGES

### Arched Bridge

#### BRIDGE

- 12 gauge HRPO steel
- Perforated surface
- Polyvinyl Chloride (PVC) coating
- Perforated surface - approx. 5/8" diameter spaced 1.25" apart o.c.

#### HAND RAILS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### Suspension Bridge

#### BRIDGE

- 12 gauge HRPO steel
- Perforated surface - approx. 5/8" diameter spaced 1.25" apart o.c.
- Polyvinyl Chloride (PVC) coating

#### HAND RAILS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### Chain Bridge

#### BRIDGE

- 4/0 (.218") STR Coil HI galvanized chain
- Polyvinyl Chloride (PVC) coating
- 7/8" O.D. x 18 gauge wall thickness tubing

#### HAND RAILS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## Challenge Bridge

### BRIDGE

- Poly Sheet
- 1-1/4" O.D. round steel tube
- Powder coat finish

### HAND RAILS AND VERTICAL PICKETS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## Lily Pad Bridge

### BRIDGE

- Poly Sheet
- 1-1/4" O.D. round steel tube
- Powder coat finish

### HAND RAILS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### VERTICAL PICKETS

- 2-3/8" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## Inch Worm Bridge

### BRIDGE

- Poly Sheet steps
- Rubber torsion spring
- 2-3/8" O.D. round steel tube
- Powder coat finish

### HAND RAILS

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

### GATED ENTRY

- 1-1/4" O.D. pipe
- Pre-treatment wash primer
- Powder coat finish

## **RUBBER TORSION SPRINGS (INCH WORM BRIDGE / SEE SAW)**

- 4 specially compounded rubber cords encapsulated between an outer metal tube and a solid inner core
- Self-dampening
- Reduced shock transmission
- Absorbs vibration
- No pinch points
- Progressive loading

## **SPRING ASEMBLY FOR RIDERS**

### **COIL SPRING**

- 5160H steel alloy
- Carbon Chromium grade of spring steel
- 5-3/4" O.D. spring
- 13/16" O.D. bar
- Pre-treatment wash primer
- Black powder coat finish

### **C SPRING**

- 3/4" thick steel
- Conforms with ASTM A36-77A
- 58,000 psi tensile strength
- 36,000 psi yield strength
- Pre-treatment wash primer
- Powder coat finish

## **SLIDES (TRIPLE RAIL / 90° CURVE / DOUBLE WALL / DOUBLE WIDE / WAVE / CHUTE / ALPINE THUNDER / SPIRAL / TUBE SLIDES)**

- 1<sup>st</sup> quality linear low density Polyethylene (LDPE) – ExxonMobil LL8450
- Rotational molded
- 3/8" wall thickness
- 2,550 psi tensile strength (ASTM D638)
- UV stabilized
- Anti-static inhibitors
- 9 color options
- Triple Rail / Double Wide slide mount on 48" wide deck (use 3'x4' rectangle deck on Adventure Series)

## **SLIDE FOOT**

- 3.5" O.D. support post
- Pre-treatment wash primer
- Powder coat finish

## **SLIDE SUPPORT**

- 3.5" O.D. galvanized steel support post
- Post manufactured per ASTM 500
- Plate manufactured per ASTM A90, A568, A902, A924, D2092, E517, E646 and ISO3575
- Pre-treatment wash primer
- Powder coat finish

## **TORTOISE CLIMBER BRACKETS**

- 16 gauge mild steel

## **LOG ROLL**

### **LOG**

- Plastic

### **GRAB HANDLES**

- 1-1/4" O.D. round steel tube
- Pre-treatment wash primer
- Powder coat finish

## **CLIMBER (WIGGLE POD)**

### **WIGGLE POD STEPS**

- 12 gauge HR steel
- Perforated surface -
- Polyvinyl Chloride (PVC) coating

### **GATED ENTRY**

- 1-1/4" O.D. pipe
- Pre-treatment wash primer
- Powder coat finish

## **CLIMBER (EDUCATION)**

### **EDUCATION CLIMBER**

- Plastic
- Mounts on 48" wide deck (uses 3'x4' rectangle deck on Adventure Series)

### **GATED ENTRY**

- 1-1/4" O.D. pipe
- Pre-treatment wash primer
- Powder coat finish

### **WIDE SLIDE FOOT**

- 1-1/4" O.D. pipe
- 12 gauge galvanized steel L-bracket
- Pre-treatment wash primer
- Powder coat finish

## **CLIMBER (BEDROCK)**

### **CLIMBER**

- Plastic
- Mounts on 48" wide deck (uses 3'x4' rectangle deck on Adventure Series)

### **GATED ENTRY**

- 1-1/4" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

**CLIMBER (CLOVER, COIL, SNAKE, TREE, DEEP RUNG ARCH, MOUNTAIN, RUNG LADDER, SLIDING POLE)**

**CENTER POLE**

- 1.66" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

**HAND/FOOT RUNGS**

- 1-1/4" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

**GATED ENTRY**

- 1-1/4" O.D. pipe
- Pre-treatment wash primer
- Powder coat finish

**BRACKET**

- 9 gauge galvanized flat steel
- Pre-treatment wash primer
- Powder coat finish

**CLIMBER (CARGO NET)**

**CLIMBER**

- 4/0 (.218") STR Coil H galvanized chain
- Polyvinyl Chloride (PVC) coating
- 7/8" O.D. x 18 gauge wall thickness tubing

**BRACKET**

- 9 gauge galvanized flat steel
- Pre-treatment wash primer
- Powder coat finish

**CLEVIS CONNECTOR (SH-40)**

- Galvanized, forged steel
- Tamper resistant – special tool required for install
- Galvanized hex pin shoulder bolt

**GATED ENTRY**

- 1-1/4" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

**CLIMBER (LILY PAD)**

**LILY PAD**

- Poly sheet

**GATED ENTRY**

- 1-1/4" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

**SUPPORT POSTS**

- 3.5" O.D. galvanized pipe
- Pre-treatment wash primer
- Powder coat finish

## SHADE STRUCTURES

- 100% Virgin Polymer (high density polyethylene, polyester or polypropylene)
- Warp Knitted fabric (Rachel or tricot type)
- Fabric shall be stentered (heat set) during manufacture
- The knit structure shall be a minimum of 16 gauge / maximum of 24 gauge
- Tested in accordance with ASTM D 5035, ASTM D 2261, BS 6906: Part 4
- Minimum initial shade cover levels of 75% - 90% depending on color
- Minimum initial ultraviolet blockout levels of 86% - 92% depending on color
- Minimum lifespan of 10 years against UV degradation and shall have a minimum breaking strength of 50% of its initial breaking strength when tested in accordance with ASTM D5035 after 8 years of exposure to sunlight

## PRE-TREATMENT WASH PRIMER

- 4860-420 primer / 1000-44 activator
- Polyvinyl-butyril resin based primer
- Used on all mild steel and all weld joints
- Designed to give adhesion along to a wide variety of metal substrates
- Provides added metal protection against rust
- Imparts extra durability to topcoat (powder coat)
- When reduced properly, it meets the definition of a "pre-treatment" primer found in many air quality regulations

## COATINGS

### Powder Coating

- TGIC polyester
- Electrostatic application
- Baked-on @ 400 degrees
- 5-7 mills thick
- Lead free
- High gloss
- No peel / No flake finish
- Resistant to salt spray (ASTM B-117)
- Resistant to humidity (ASTM D-2247)
- Direct/Indirect impact 120 in. pounds (ASTM D-2794)
- Good to excellent resistance to most solvents, oils, acids and alkalis
- 13 color options

### Polyvinyl chloride (PVC) Coating

- MISTAFLEX V4612
- 80-100 mills thick
- Shore A, 65-70 durometer min. hardness (ASTM D2240-66T)
- 1,000 psi minimum tensile strength (ASTM D638, ASTM D412)
- Resistant to abrasion (ASTM D4060)
- UV stabilized
- Self-extinguishing
- Shows less dirt
- Increased traction
- 5 color options

## **TABLES**

### **TOP AND SEATS**

- 14 gauge steel
- ½" diameter on ¾" center perforation pattern
- Tops are 30" wide
- Seats are 10" wide
- PVC coating

### **FRAMES**

- Main supports are 2-3/8" O.D. 12 gauge steel tubing
- Table braces are 12 gauge steel
- PVC coating or painted black

## **BENCHES**

### **SEAT/BACK**

- 14 gauge steel
- ½" diameter on ¾" center perforation pattern
- Seats are 10" or 12" wide (depending on style – inscription benches are wider)
- PVC coating

### **FRAMES**

- Main supports are constructed of 2-3/8" O.D. 12 gauge tubing
- PVC coating or painted black
- Available in surface mount, in-ground mount or portable

## **TRASH RECEPTACLES**

- 14 gauge steel
- ½" diameter on ¾" center perforation pattern
- Octagon comes with lid
- PVC coating
- Dome top, liner and mounts (surface or in-ground) are also available

## **PVC COATING FOR BENCHES, TABLES AND TRASH RECEPTACLES**

- UV stabilized
- .050"-.080" thickness
- UL 94 HB Burn rating (once flame is removed, it will not continue to burn)
- Abrasion resistance testing – ASTM F510
- Exposure conditioning – ASTM D6662
- Salt spray resistance testing – ASTM B117

## **BASKETBALL BACKSTOPS**

### **3.5" POST**

- Made from a single piece of galvanized pipe with a 3' extension
- Backboard is made of aluminum
- Single rim goal
- Nylon net

#### 4.5" POST

- Made from a single piece of galvanized pipe with a 4' extension
- Backboard is made of aluminum
- Double rim goal
- Steel chain net

#### BIKE RACKS

##### "M" STYLE

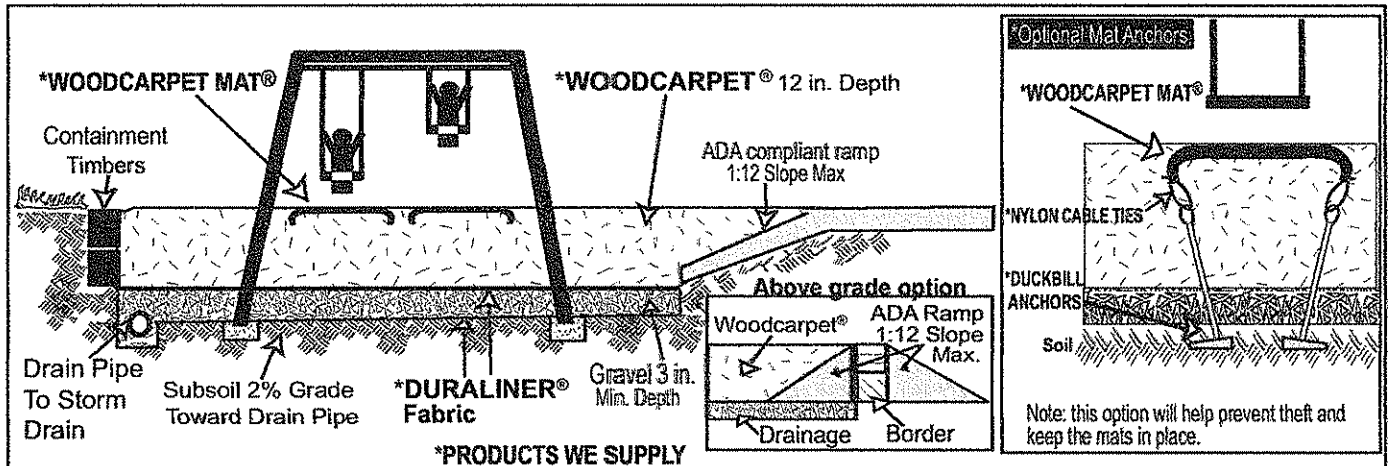
- Inline galvanized 2-3/8" steel tubing

##### TRADITIONAL

- Rod is .5" diameter HR – hot dipped galvanized steel
- Round tube is HR 1.66"x.118" hot dipped galvanized steel
- Zinc plated hardware



- A. Product Data:** Submit manufacturer's product data, including warranty, maintenance and installation instructions, ASTM F1292, F1951, and F2075 test results, IPEMA certificates of compliance, and samples.
- B. Manufacturer Qualifications:**
1. Member of International Play Equipment Manufacturer's Association (IPEMA).
  2. Total Liability Insurance Coverage: \$11,000,000.
  3. Sales Representatives certified by National Playground Safety Institute (NPSI).
- C. Warranty Covers Playground Surfacing for Following Periods:**
1. Engineered Wood Fiber Playground Surfacing: 15 years
  2. Playground Surfacing Wear Mat: 5 years
- D. Manufacturer:**
1. Zeager Bros., Inc., 4000 East Harrisburg Pike, Middletown, Pennsylvania 17057. Toll Free (800) 346-8524.
  2. Zeager Hardwood Co., 340 Steele Road, Franklin, KY 42134. Toll Free (800) 296-9227.



**E. Application:** outdoor playground surface using drainage gravel.

**F. Critical Height:** 12" / 12 feet fall protection. 8" / 8 feet fall protection.

**G. Installation Procedure:**

1. Review project plans and verify that playground equipment use zones, clearances, and reach ranges will comply with ASTM F1487 sections 8, 9, and 10, and with CAN/CSA-Z614 sections 14 and 15.
2. Prepare the site in accordance with the project engineer's directions and project specifications. Ensure that drainage is routed away from or around the playground area to prevent sand, soil, silt, or other foreign material from contaminating the WOODCARPET®. Grade subsoil to a 2% grade toward the drain pipe. Max 7-8% with stable sub-surface.
3. Install playground equipment.
4. Place a layer of DURALINER® on top of the subsoil. Overlap seams 10 in. (25cm), or 5 in. (63cm) if a double bead of exterior grade construction adhesive is applied to the overlap. Place seams parallel to direction of slides and travel of swings when ever possible.
5. Excavate a minimum 8 in.w. x 8 in.d. (20cm x 20cm) trench along the low end of the area to a storm drain. Install drain pipe.
6. Spread drainage gravel (1 in. - 2 in. [3cm-6cm] clean gravel) to a minimum depth of 3 in. (8cm). Fill drainage trench.
7. Install timbers or an alternate containment system above or below grade. Provide for an access ramp up to play surface if above ground (max 7-8%) or down to if play surface is below grade that complies with ASTM F1487 Section 10.
8. As described in Step 4, place an additional layer of DURALINER® on top of the drainage gravel.
9. Spread WOODCARPET® to a minimum depth of 8 in. after compaction for play equipment under 4 ft. high and to a minimum depth of 12 in. after compaction for play equipment over 4 ft. high. Natural compaction (approx. 1/3) will occur in 2 - 6 weeks. WOODCARPET® must be compacted to be accessible. Mechanically compacting WOOD-CARPET® requires approximately 15% more WOODCARPET® than natural compaction. Exercise caution to prevent damaging the DURALINER® and drain materials. Do not operate equipment directly on the DURALINER®.
- \*10. Install a WOODCARPET® Mat (PVC or Foam) in each kick-out area. When installing a wear mat on top of WOODCARPET®, dig a channel around the mat edge down to the base of the WOODCARPET® and slope mat edges down into the channel. If anchoring the mat, install anchors and nylon cable ties to attach the mat to the anchors. Refill the channel with WOODCARPET®. Foam mats must use anchor system with system 1. Anchoring is optional for PVC mats.
11. Inspect the playground and verify that playground equipment use zones, clearances, and reach ranges comply with ASTM F1487 sections 8, 9, and 10, and with CAN/CSA-Z614 sections 14 and 15.
12. Rake WOODCARPET® level a second time two weeks after installation is finished and as needed thereafter.

\*Installation of wear mats under all swings and other high-use areas is required in the state of California.

**H. Notes:**

1. Inadequate drainage voids the WOODCARPET® conditional warranty and hastens decomposition.
2. For immediate accessibility, install WOODCARPET® in 6 in. maximum layers. Rake level, wet, and mechanically compact each layer twice with a flat surface compactor. Change direction 90 degrees on second compaction.
3. Periodic maintenance should include removing debris, raking and topping off by performing steps 9 and 11. See also WOODCARPET® maintenance recommendations.

**I. Products**

1. Engineered Wood Fiber Playground Surfacing: WOODCARPET®
  - a. Composition:
    - (1) Premium Woodcarpet contains 100% pre-consumer recovered wood.
    - (2) Recycled Woodcarpet may contain up to 100% post-consumer recovered wood.
  - b. Dimensions: Randomly sized wood fibers.
  - c. Sieve Analysis, ASTM F2075-04: Meets criteria.
  - d. Hazardous metal, ASTM F2075-04: Meets criteria.
  - e. Tramp metal, ASTM F2075-04: Meets criteria.
  - f. Impact, ASTM F1292-04: 8 inches meets criteria up to 8 ft. fall height and 12 inches meets criteria up to 12 ft. fall height.
  - g. Accessibility, ASTM F1951: Meets criteria.
  - h. Resistance to Flammability, 16 FR Part 1630 Standard for Surface. Flammability of Carpets and Rugs (FFI-70), Modified Procedure. Not Oven Dried: Meets Criteria.
  - i. Flammability, 16 CFR 1500.44, Federal Hazardous Substances Act Title 16, Chapter II, Subchapter C for Rigid and Pliable Solids: Did not ignite.
  - j. IPEMA Certification: 8"/8ft., 12"/12ft. Fall protection. F1292-04 Tramp metals, Sieve analysis, Heavy Metals. F2075-04

## 2. Geotextile Fabric: DURALINER®

- a. Composition: Non-woven, needle-punched, UV-treated, polypropylene or polyester fabric.
- b. Recycled content: 0%.
- c. Size: 5 to 6 feet wide x 250 feet long.
- d. Weight, ASTM D3776: Min. 3.69 ounces per square yard.
- e. Thickness, ASTM D5199: min. 55 mils.
- f. Grab Tensile Strength, ASTM D4632: min. 90 pounds.
- g. Mullen Burst Strength, ASTM D3786: min. 132 pounds.
- h. Puncture Resistance, ASTM D4833: min. 60 pounds.
- i. Trapezoid Tearing Strength, ASTM D4533: min. 40 pounds.
- j. Permittivity, ASTM D4491: min. 1.9 sec-1.
- k. Flow Rate, ASTM D4491: min. 145 gallons per minute per sq.ft
- l. Permeability, ASTM D4491: min. 0.24 centimeters per second.

**I. Products-cont.**

3. Playground Surfacing Wear Mat: WOODCARPET® PVC MAT
  - a. Composition: Polyvinylchloride (PVC).
  - b. Recycled Content: 60 % Preconsumer recovered pvc.
  - c. Drain Holes: 3/8 inch diameter holes, one per 10 square inches.
  - d. Size: 42 in. x 42 in. [slide exit], 42 in. x 78 in. [swing], 78 in. x 78 in. [tire swing, vertical spinner], 78 in. x 90 in. [swing bay], 156 in. OD x 73.5 in. ID [merry go round, supernova], 67.5 in. OD [supernova].
  - e. Weight: 3.0 pounds per square foot.
  - f. Thickness: 3/4 inches.
  - g. Impact, ASTM F1292: Over 11.25 inches of Woodcarpet, meets criteria up to 12 feet.
  - h. IPEMA Certification: Over 11.25 inches of Woodcarpet, rated to 12 feet.
4. Playground Surfacing Wear Mat: WOODCARPET® FOAM MAT.
  - a. Composition: Closed-cell, cross-linked, polyethylene foam.
  - b. Recycled content: 100% pre-consumer recovered foam.
  - c. Top surface: Covered with layer of heavy duty vinyl.
  - d. Drain holes: 3/8 diameter holes, one per square foot.
  - e. Size: 44 in. x 44 in. [slide exit], 44 in. x 74 in. [swing]
  - f. Finished size: 32in.x32in. [slide exit], 32inx62in. [swing]
  - g. Weight: 1" thick= 1.5 pounds per square foot.
  - h. Thickness: 1 & 2 inches. (2" to be discontinued)
  - i. Impact, ASTM F1292: 1 in. thick mat meets criteria up to 4 feet.
  - j. IPEMA Certification: 1" thick mat over 11" of Woodcarpet rated to 12ft. fall protection.

# State of West Virginia VENDOR PREFERENCE CERTIFICATE

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. NA Application is made for 2.5% resident vendor preference for the reason checked:  
Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
NA Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
NA Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. NA Application is made for 2.5% resident vendor preference for the reason checked:  
Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. NA Application is made for 2.5% resident vendor preference for the reason checked:  
Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. NA Application is made for 5% resident vendor preference for the reason checked:  
Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. NA Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  
Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. NA Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:  
Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Blue Ridge Course Designs Signed: [Signature]  
Date: 11/9/09 Title: President

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**VENDOR OWING A DEBT TO THE STATE:**

*West Virginia Code* §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

**ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**LICENSING:**

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Blue Ridge Outdoor Designs

Authorized Signature: [Signature]

Date: 11/9/9