



**State of West Virginia  
Department of Administration  
Purchasing Division**

**NOTICE**

Due to the size of this bid, it was impractical to scan every page for online viewing. We have made an attempt to scan and publish all pertinent bid information. However, it is important to note that some pages were necessarily omitted.

If you would like to review the bid in its entirety, please contact the buyer. Thank you.

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**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



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
DNR209186

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER 304-558-2316

VENDOR

\*615113726      800-385-0075  
 PLAYGROUND SPECIALIST INC  
 17352 N SETON AVE  
  
 EMMITSBURG MD 21727

SHIP TO

DIVISION OF NATURAL RESOURCES  
 VALLEY FALLS STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 6, BOX 244  
 FAIRMONT, WV 26554      363-3319

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
07/02/2009				

BID OPENING DATE: **07/22/2009**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ DNR209186 ***** TOTAL:						<u>\$48,324.00</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>SEIF</i>	TELEPHONE 800-385-0075	DATE 7/9/09
TITLE Sales Manager	FEIN 52-2132887	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

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**DNR209186**

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**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER  
 304-558-2316**

**\*615113726 800-385-0075**  
**PLAYGROUND SPECIALIST INC**  
**17352 N SETON AVE**  
**EMMITSBURG MD 21727**

**DIVISION OF NATURAL RESOURCES**  
**VALLEY FALLS STATE PARK**  
**ATTN: PARK SUPERINTENDENT**  
**ROUTE 6, BOX 244**  
**FAIRMONT, WV**  
**26554 363-3319**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2009				

BID OPENING DATE: **07/14/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><b>MUST BE SIGNED AND SUBMITTED WITH THE BID AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE 1D, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED DRUG-FREE WORKPLACE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF SUCH BID.</b></p> <p><b>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN XXXX CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</b></p> <p><b>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.</b></p> <p><b>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAGE RATES AS ESTABLISHED FOR XXXXXXXXXXXXX COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)</b></p> <p><b>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</b></p> <p><b>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</b></p> <p><b>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</b></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>St Sep</i>	TELEPHONE <i>800/385-0075</i>	DATE <i>7/1/09</i>
TITLE <i>Sales Manager</i>	FEIN <i>52-2132887</i>	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

RFQ NUMBER
DNR209186

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ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

**\*615113726      800-385-0075**  
**PLAYGROUND SPECIALIST INC**  
**17352 N SETON AVE**  
  
**EMMITSBURG MD 21727**

**DIVISION OF NATURAL RESOURCES**  
**VALLEY FALLS STATE PARK**  
**ATTN: PARK SUPERINTENDENT**  
**ROUTE 6, BOX 244**  
**FAIRMONT, WV**  
**26554                      363-3319**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
06/04/2009				
BID OPENING DATE: 07/14/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>( ) BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.</p> <p>(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL BE SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR/MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT. BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK, IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE BOND, OR LABOR AND MATERIAL BOND.</p> <p>( ) MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF THE SUCCESSFUL VENDOR.</p> <p>REV. 11/00</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS &amp; STEEL IN PUBLIC WORKS PROJECTS</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>SK Self</i>	800/385-0075	7/1/09	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
SALES MANAGER	52-2132887		

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  
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# Request for Quotation

RFQ NUMBER  
**DNR209186**

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER**  
**304-558-2316**

**\*615113726 800-385-0075**  
**PLAYGROUND SPECIALIST INC**  
**17352 N SETON AVE**  
**EMMITSBURG MD 21727**

**DIVISION OF NATURAL RESOURCES**  
**VALLEY FALLS STATE PARK**  
**ATTN: PARK SUPERINTENDENT**  
**ROUTE 6, BOX 244**  
**FAIRMONT, WV**  
**26554 363-3319**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2009				

BID OPENING DATE: **07/14/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>IN ACCORDANCE WITH WEST VIRGINIA CODE 5-19-1 ET., SEQ., EVERY CONTRACT FOR CONSTRUCTION, RECONSTRUCTION, ALTERATION, REPAIR, IMPROVEMENT OR MAINTENANCE OF PUBLIC WORKS, WHERE THE COST IS MORE THAN \$50,000 AND, IN THE CASE OF STEEL ONLY, WHERE THE COST OF STEEL IS MORE THAN \$50,000 OR WHERE MORE THAN 10,000 POUNDS OF STEEL ARE REQUIRED, THE STATE WILL ACCEPT ONLY ALUMINUM GLASS, OR STEEL PRODUCTS PRODUCED IN THE UNITED STATES. IN ADDITION, ITEMS OF MACHINERY OR EQUIPMENT PURCHASED FOR USE AT THE SITE OF PUBLIC WORKS SHALL BE MADE OF DOMESTIC ALUMINUM, GLASS OR STEEL, UNLESS THE COST OF THE PRODUCT IS LESS THAN \$50,000 OR LESS THAN 10,000 POUNDS OF STEEL ARE USED IN PUBLIC WORKS PROJECTS.</p> <p>FOREIGN MADE ALUMINUM, GLASS OR STEEL PRODUCTS MAY BE ACCEPTED ONLY IF THE COST OF DOMESTIC PRODUCTS IS FOUND TO BE UNREASONABLE. SUCH COST IS UNREASONABLE IF IT IS 20% OR MORE HIGHER THAN THE BID PRICE FOR FOREIGN MADE PRODUCTS. IF THE DOMESTIC ALUMINUM, GLASS OR STEEL PRODUCTS TO BE SUPPLIED OR PRODUCED IN A "SUBSTANTIAL LABOR SURPLUS AREA", AS DEFINED BY THE UNITED STATES DEPARTMENT OF LABOR, FOREIGN PRODUCTS MAY BE SUPPLIED ONLY IF DOMESTIC PRODUCTS ARE 30% OR MORE HIGHER IN PRICE THAN THE FOREIGN MADE PRODUCTS.</p> <p>IF, PRIOR TO THE AWARD OF A CONTRACT UNDER THE ABOVE PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS. ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>St. Sep</i>	TELEPHONE 800/385-0075	DATE 7/1/09
TITLE SALES MANAGER	FEIN 52-2132887	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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# Request for Quotation

RFQ NUMBER  
**DNR209186**

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
**FRANK WHITTAKER  
 304-558-2316**

PROBIDOR


\*615113726      800-385-0075  
**PLAYGROUND SPECIALIST INC**  
**17352 N SETON AVE**  
  
**EMMITSBURG MD 21727**

SHIP TO


**DIVISION OF NATURAL RESOURCES  
 VALLEY FALLS STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 6, BOX 244  
 FAIRMONT, WV  
 26554      363-3319**

DATE PRINTED <b>06/04/2009</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **07/14/2009**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
EXHIBIT 10						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NOS.:						
NO. 1	.....			7/2/09 ✓ SK		
NO. 2	.....					
NO. 3	.....					
NO. 4	.....					
NO. 5	.....					
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 ..... SIGNATURE						
Playground Specialists Inc ..... COMPANY						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 800 385-0075	DATE 7/1/09
TITLE Sales Manager	FEIN 52-2132887	ADDRESS CHANGES TO BE NOTED ABOVE

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





State of West Virginia  
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# Request for Quotation

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DNR209186

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ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

PROPOSITOR

\*615113726      800-385-0075  
 PLAYGROUND SPECIALIST INC  
 17352 N SETON AVE  
  
 EMMITSBURG MD 21727

SHIP TO

DIVISION OF NATURAL RESOURCES  
 VALLEY FALLS STATE PARK  
 ATTN: PARK SUPERINTENDENT  
 ROUTE 6, BOX 244  
 FAIRMONT, WV 26554      363-3319

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2009				

BID OPENING DATE: **07/14/2009**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>REV. 5/2009</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:      44</p> <p>REQ. NO.:      DNR209186</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>St Sep</i>	800/385-0075	7/1/09
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Sales Manager	52-2132887	

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



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**DNR209186**

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ADDRESS CORRESPONDENCE TO ATTENTION OF:  
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**304-558-2316**

VENDOR

**\*615113726 800-385-0075**  
**PLAYGROUND SPECIALIST INC**  
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**FAIRMONT, WV**  
**26554 363-3319**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2009				

BID OPENING DATE: **07/14/2009** BID OPENING TIME: **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BID OPENING DATE: 07/14/09</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:  <i>301/271-9239</i></p> <p>PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE:  <i>STEVEN SLIFER</i></p> <p>***** THIS IS THE END OF RFQ DNR209186 ***** TOTAL: <u><i>\$48,324<sup>00</sup></i></u></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *St Slifer* TELEPHONE: *800/385-0075* DATE: \_\_\_\_\_

TITLE: *JAMES MANACON* FEIN: *52-2132887* ADDRESS CHANGES TO BE NOTED ABOVE

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

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: PLAYGROUND SPECIALISTS INC  
Authorized Signature: [Signature] Date: 7/1/09

THE  
CINCINNATI INSURANCE COMPANY  
CINCINNATI, OHIO

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we Playground Specialists, Inc

as Principal, hereinafter called the Principal, and THE CINCINNATI INSURANCE COMPANY, 6200 S. Gilmore Road, Fairfield, Ohio 45014-5141, a corporation duly organized under the laws of the State of Ohio, as Surety, hereinafter called the Surety, are held and firmly bound unto

Department of Natural Resources

as Obligee, hereinafter called the Obligee, in the sum of 5% of bid

Dollars (\$ 5% of bid ),

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for

Installation of Playground Equipment & Site Work at Valley Falls State Park, Fairmont, WV

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

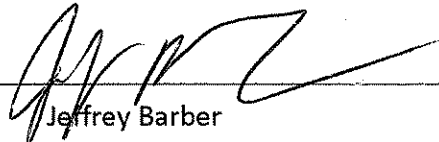
Signed and sealed this 9th day of July, 2009

Playground Specialists, Inc

(Principal)

(Seal)

By:



Jeffrey Barber

(Title)

(Witness)



(Witness)

Michael Hayes

THE CINCINNATI INSURANCE COMPANY

(Surety)

(Seal)

By:



Robert Phelan

Attorney -in-Fact

The Company executing this bond vouches that this document conforms to American Institute of Architects Document A310, February 1970 Edition.

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Robert Phelan; Michael Hayes; Mary Beth Pizzi; Marsha Hawbaker and/or Dennis M. Corapi

of Emmitsburg and Hagerstown, Maryland its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States, up to Twenty Million and No/100 Dollars (\$20,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 1st day of April, 2007.



THE CINCINNATI INSURANCE COMPANY

Signature of Thomas H. Kelly, Vice President

STATE OF OHIO ) ss:
COUNTY OF BUTLER )

On this 1st day of April, 2007, before me came the above-named Senior Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



Signature of Mark J. Huller, Attorney at Law, Notary Public - State of Ohio

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio, this 9th day of July, 2009



Signature of Gregory J. Schlemmer, Secretary



WVDNR209186  
Valley Falls 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 Quotation.

Item No.	Equipment	Manufacturer	Item
1	Shelter Area #1 Playground - Playworld custom playmaker or equal. The structure must include the following components:	PLAYWORLD SYSTEMS	# 093240
	Five (5) Playworld 5 inch OD x 132 inch steel post with riveted cap, Item #ZZPM0026, or equal.	↓	↓
	Seven (7) Playworld 5 inch OD x 144 inch steel post with riveted cap, Item #ZZPM0036, or equal.		
	One (1) Playworld square coated deck assembly, Item #ZZPM0616, or equal.		
	Two (2) Playworld triangular coated deck assembly, Item #ZZPM0617, or equal.		
	Two (2) Playworld 45 degree tri-deck, Item #ZZPM0639, or equal.		
	One (1) Playworld transfer station for a minimum 48 inch deck, Item #ZZPM2027, or equal.		
	One (1) Playworld approach step for transfer station, Item #ZZUN2019, or equal.		
	Two (2) Playworld single post seat, Item #ZZPM4577, or equal.		
	One (1) Playworld arch bridge, Item #ZZPM6635, or equal.		

WVDNR209186  
 Valley Falls State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
	One (1) Playworld rock blocks climbing wall or equal. Climbing wall must include the following components:	<i>PLAYWORLD SYSTEMS</i>	<i>#093240</i>
	One (1) Playworld minimum 24 inch deck to deck climber, Item #ZZPM6190, or equal.	↓	↓
	One (1) Playworld cliff hanger with a minimum 60 inch deck, Item #ZZPM6977, or equal.		
	One (1) Playworld rockblocks deck access support for a minimum 36 inch to 48 inch deck, Item #ZZUN0167, or equal.		
	One (1) Playworld rockblocks Z support for a minimum 84 inch wall, Item #ZZUN0177, or equal.		
	One (1) Playworld rockblocks kinked wall a minimum of 84 inches, Item #ZZUN8357, or equal.		
	One (1) Playworld rockblocks end wall a minimum of 84 inches, Item #ZZUN8369, or equal.		
	Two (2) Playworld ground to ground babble-on, Item #ZZPM4467, or equal.		
	One (1) Playworld access gate, Item #ZZPM4288, or equal.		
	One (1) Playworld 6' horizontal loop ladder with access ladder, Item #ZZPM5780, or equal.		
	One (1) Playworld overhead even access ladder for a minimum 36 inch deck, Item #ZZPM5970, or equal.		
	One (1) Playworld minimum 24" deck to deck climber, Item #ZZPM6190, or equal.	↓	↓

WVDNR209186  
Valley Falls State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item	
	One (1) Playworld slither slide entry/exit, Item #ZZPM3136, or equal.	PLAYWORLD SYSTEMS	# 093240	
	Three (3) Playworld slither slide right section, Item #ZZUN3157, or equal.	↓		
	One (1) Playworld slither slide support leg a minimum 2'-6 in, Item #ZZUN3176, or equal.			
	One (1) Playworld playseat, Item #ZZPM4570, or equal.			
	One (1) Playworld steering wheel (pipe wall mount), Item #ZZUN4300, or equal.			
	One (1) Playworld centerline pipe wall barrier, Item #ZZPM4090, or equal.			
	One (1) Playworld twist-n-shout slide with a minimum 48" deck, Item #ZZPM2727, or equal.			
	One (1) Playworld cliff hanger with a minimum 60 inch deck, Item #ZZPM6977, or equal.			
	One (1) Playworld rock climber, Item #ZZPM7439, or equal.		✓	
2	Shelter Area #1 Playground - Playworld turbo tower, Item #ZZXX0399, or equal.			# 0399
3	Shelter Area #1 Playground - Playworld single post swing, Item #SWING-SP8, or equal.			# 0295
4	Shelter Area #1 Playground - Playworld add a bay, Item #SWING-SP8ADD, or equal.		# 0296	
5	Shelter Area #1 Playground - Playworld swing package including belt seat and vinyl coated chain, Item #0278, or equal.	↓	# 0260	

WVDNR209186  
Valley Falls State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
6	Shelter Area #1 Playground - Playworld swing package including infant seat with vinyl chain, Item #0280, or equal.	PLAYWORLD SYSTEMS	#0265
7	Shelter Area #1 Playground - Playworld accessible swing seat for 8', Item #0244, or equal.	PLAYWORLD SYSTEMS	#0224
8	Shelter Area #1 Playground geo-textile fabric or equal.	ZENGER BROTHERS	DL-6
9	Shelter Area #1 Playground engineered wood fiber @ 8" compacted depth or equal.	" "	WOODCAAPT
10	Installation of all the above referenced items for the Shelter Area #1 Playground. Prevailing heavy wage rates must be paid for Marion County, West Virginia ( <a href="http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf">http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf</a> .)	PLAYGROUND SPECIALISTS	N/A
11	Head of 1st Falls Area Playground - Playworld turbo tower, Item #ZZX0399, or equal.	PLAYWORLD SYSTEMS	#0399
12	Head of 1st Falls Area Playground - Playworld rock blocks, Item #RB-315, or equal. Rockblocks must include the following components:	↓	↓
	Three (3) Playworld rockblocks Z support for a minimum 60 inch wall, Item #ZZUN0177, or equal.		
	One (1) Playworld rockblocks tri ladder for a minimum 84 inch wall, Item #ZZUN8356, or equal.		
	Three (3) rockblocks 90 degree wall for a minimum 84 inch to 60 inch wall, Item #ZZUN8358, or equal.		
	Three (3) Playworld rockblocks end wall for a minimum 60 inch wall, Item #ZZUN8360, or equal.		

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WVDNR209186  
Valley Falls State Park  
**PLAYGROUND EQUIPMENT SHEET**

Item No.	Equipment	Manufacturer	Item
13	Head of 1st Falls Area Playground - Playworld single post swing, Item #SWING-SP8, or equal.	PLAY WORLD SYSTEMS	#0295
14	Head of 1st Falls Area Playground - Playworld swing package including belt seat and vinyl coated chain, Item #0278, or equal.	PLAYWORLD SYSTEMS	#0260
15	Head of 1st Falls Area Playground geo-textile fabric or equal.	ZIEGLER BROTHERS	#DL-6
16	Head of 1st Falls Area Playground engineered wood fiber @ 8" compacted depth or equal.	ZIEGLER BROTHERS	WOODCARPET
17	Installation of all the above referenced items for the Head of 1st Falls Area Playground. Prevailing heavy wage rates must be paid for Marion County, West Virginia ( <a href="http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf">http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf</a> .)	PLAYGROUND SPECIALISTS	N/A

WVDNR209186  
Valley Falls State Park Playground Equipment  
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Shelter Area #1 Playground - Playworld custom playmaker or equal	14,875 <sup>00</sup>	14,875 <sup>00</sup>
2	1	Shelter Area #1 Playground - Playworld turbo tower, Item #ZZXX0399, or equal.	1075 <sup>00</sup>	1075 <sup>00</sup>
3	7	Shelter Area #1 Playground - Playworld single post swing, Item #SWING-SP8, or equal.	507 <sup>00</sup>	507 <sup>00</sup>
4	1	Shelter Area #1 Playground - Playworld add a bay, Item #SWING- SP8ADD, or equal.	335 <sup>00</sup>	335 <sup>00</sup>
5	2	Shelter Area #1 Playground - Playworld swing package including belt seat and vinyl coated chain, Item #0278, or equal.	52.00	104 <sup>00</sup>
6	1	Shelter Area #1 Playground - Playworld swing package including infant seat with vinyl chain, Item #0280, or equal.	105 <sup>00</sup>	105 <sup>00</sup>
7	1	Shelter Area #1 Playground - Playworld accessible swing seat for 8', Item #0244, or equal.	325 <sup>00</sup>	325 <sup>00</sup>
8	5,000 Square Feet	Shelter Area #1 Playground geo- textile fabric or equal.	12¢	600 <sup>00</sup>
9	5,000 Square Feet	Shelter Area #1 Playground engineered wood fiber @ 8" compacted depth or equal.	69¢	3450 <sup>00</sup>
10	1	Shelter Area #1 Playground - Installation of all the above referenced items for the Shelter Area #1 Playground. Prevailing heavy wage rates must be paid for Marion County, West Virginia ( <a href="http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf">http://www.wvsos.com/adlaw/wagerates/heavyhighway/heavyhighway09/allhh.pdf</a> .)	10512 <sup>00</sup>	10512 <sup>00</sup>

WVDNR209186  
Valley Falls State Park Playground Equipment  
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
11	1	Head of 1st Falls Area Playground - Playworld turbo tower, Item #ZZXX0399, or equal.	1075 <sup>00</sup>	1075 <sup>00</sup>
12	1	Head of 1st Falls Area Playground Playworld rock blocks, Item #RB-315, or equal.	4945 <sup>00</sup>	4945 <sup>00</sup>
13	1	Head of 1st Falls Area Playground Playworld single post swing, Item #SWING-SP8, or equal.	507 <sup>00</sup>	507 <sup>00</sup>
14	2	Head of 1st Falls Area Playground Playworld swing package including belt seat and vinyl coated chain, Item #0278, or equal.	52.00	104.00
15	5,000 Square Feet	Head of 1st Falls Area Playground geo-textile fabric or equal.	12¢	\$600 <sup>00</sup>
16	5,000 Square Feet	Head of 1st Falls Area Playground engineered wood fiber @ 8" compacted depth or equal.	.69¢	3450 <sup>00</sup>
17	1	Head of 1st Falls Area Playground Installation of all the above referenced items for the Head of 1st Falls Area Playground. Prevailing heavy wage rates must be paid for Marion County, West Virginia ( <a href="http://www.wvsos.com/adlaw/wage rates/heavyhighway/heavyhighway09/allhh.pdf">http://www.wvsos.com/adlaw/wage rates/heavyhighway/heavyhighway09/allhh.pdf</a> .)	\$5755 <sup>00</sup>	\$5755 <sup>00</sup>
		<b>TOTAL</b>		\$48324 <sup>00</sup>

# Valley Falls S.P. Shelter Area 1

Design Number: 093240 - Compliance and Technical Data  
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZXX0195	1	PLAYGROUND RULES RISK MANAGEMENT SIGN	Certified	42.75		254	0	1.00	0.07	0
2	ZZXX0224	1	ACCESSIBLE SWING SEAT W/ GALV CHAIN TO 8FT TOP RAIL	Certified	25.78		180	1	0.50	0.00	1
3	ZZXX0260	2	BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft TOP RAIL	Certified	16.74		141	2	0.50	0.00	2
4	ZZXX0265	1	INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL	Certified	11.31		126	1	0.25	0.00	1
5	ZZXX0295	1	8ft SINGLE POST SWING ASSEMBLY	Certified	264.58		675	0	2.00	0.26	0
6	ZZXX0296	1	8ft SINGLE POST SWING ADD-A- BAY	Certified	174.09		472	0	1.00	0.13	0
7	ZZXX0399	1	TURBO TOWER	Certified	346.24		852	9	4.50	0.30	1
8	ZZPM0026	5	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	371.05		863	0	5.00	0.60	0
9	ZZPM0036	7	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified	566.37		1,312	0	7.00	0.91	0
10	ZZPM0616	1	SQUARE COATED DECK ASSEMBLY	Certified	90.36		237	4	1.00	0.00	0
11	ZZPM0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	92.80		328	4	2.00	0.00	0
12	ZZPM0639	2	45 DEGREE TRI DECK	Certified	115.80		444	6	2.00	0.00	0
13	ZZPM2027	1	TRANSFER STATION (48in DECK)	Certified	287.44		948	3	2.00	0.09	0
14	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83		98	1	1.00	0.04	0
15	ZZPM2727	1	TWIST AND SHOUT (48in DECK)	Certified	185.20		756	4	3.00	0.06	1
16	ZZPM3136	1	SLITHER SLIDE ENTRY/EXIT	Certified	101.22		525	2	2.00	0.03	1
17	ZZUN3157	3	SLITHER SLIDE (RIGHT SECTION)	Certified	63.42		476	0	0.75	0.00	0
18	ZZUN3176	1	SLITHER SLIDE SUPPORT LEG 2ft-6in	Certified	16.24		80	0	0.25	0.03	0
19	ZZPM4570	1	PLAYSEAT	Certified	51.03		303	3	0.50	0.00	1
20	ZZPM4577	2	SINGLE POST SEAT	Certified	45.64		152	2	1.00	0.00	2
21	ZZUN4300	2	STEERING WHEEL (PIPE WALL MOUNT)	Certified	10.78		84	2	0.50	0.00	2
22	ZZPM4090	1	CENTERLINE PIPE WALL BARRIER	Certified	37.22		116	0	0.50	0.00	0
23	ZZPM4288	1	ACCESS GATE	Certified	34.38		111	0	0.50	0.00	0





# Valley Falls S.P. Shelter Area 1

Design Number: 093240 - Compliance and Technical Data  
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
24	ZZPM6190	1	24in DECK TO DECK CLIMBER	Certified	64.56		313	1	1.00	0.00	1
25	ZZPM6977	1	CLIFF HANGER (60in DECK)	Certified	103.06		610	2	2.00	0.00	1
26	ZZPM7439	1	ROCK CLIMBER	Certified	153.48		674	3	2.00	0.03	1
27	ZZUN0167	1	ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)	Certified	43.86		120	1	1.00	0.13	1
28	ZZUN0248	1	5in X 84in END WALL SUPPORT	Certified	109.41		298	1	1.00	0.13	1
29	ZZUN8357	1	ROCKBLOCKS KINKED WALL (84in)	Certified	107.07		781	4	0.50	0.00	1
30	ZZUN8369	1	ROCKBLOCKS END WALL (84in)	Certified	138.63		1,010	2	1.00	0.13	1
31	ZZPM5780	1	6ft HORIZONTAL LOOP LADDER	Certified	60.60		206	2	1.00	0.00	1
32	ZZPM5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	26.16		88	1	1.50	0.06	0
33	ZZPM6635	1	10ft COATED ARCH BRIDGE	Certified	401.77		1,141	5	2.00	0.00	1
34	ZZPM4467	1	GROUND TO GROUND BABBLE-ON	Certified	42.59		259	2	1.50	0.00	1
35	ZZPMGUID	1	PLAYMAKER GUIDELINES	N/A	0.00		0	0	0.25	0.00	0
36	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0
37	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07		51	0	0.25	0.00	0
38	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46		31	0	0.25	0.00	0
<b>Totals:</b>					<b>4,254.04</b>	<b>136</b>	<b>14,935</b>	<b>68</b>	<b>54.25</b>	<b>3.00</b>	<b>22</b>
					<b>1,914.32 Kg</b>	<b>61 Kg</b>	<b>459 Kg</b>	<b>15 Metric Tons</b>		<b>2.28 m3</b>	



# Valley Falls S.P. Shelter Area 1

Design Number: 093240 - Compliance and Technical Data  
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Install Hours	Concrete (Yds3)	Active Play Events
	ASTM F1487-07									

The lay-out for this custom playscape, design number 093240, has been configured to meet the requirements of the ASTM F1487-07 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487-07 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, [www.ipema.org](http://www.ipema.org). In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

Americans with Disabilities Act Accessibility Guidelines (ADAAG)

The lay-out was also designed to meet the ADAAG published 23-July-2004, by the United States Access Board who installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

Installation Times

Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

Carbon Footprint

The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content

A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product. \*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.





# Product Specifications

©Playworld Systems, Inc. Monday, July 06, 2009

## 5in OD X 132in STEEL POST W/ RIVETED CAP

ZZPM0026

### **5 in. Support Post**

Shall be fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Crown/Post/End Cap**

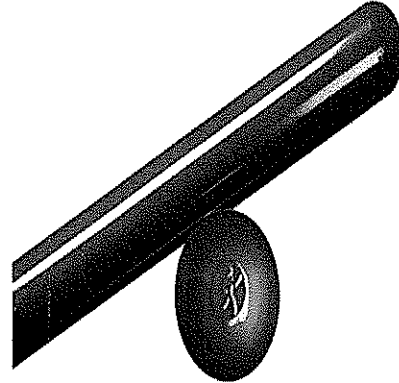
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

### **Drive Rivet**

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.

### **Steel Tubing - 5 in. OD, 11 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.



\* See Note

<b>Component Number:</b>	<b>ZZPM0026</b>
<b>Specification Rev:</b>	<b>ECN605</b>
<b>Component Weight:</b>	<b>74.21 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.12 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>22.26 Lbs.</b>
<b>CO2e Footprint:</b>	<b>172.53 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

©Playworld Systems, Inc. Monday, July 06, 2009

## 5in OD X 144in STEEL POST W/ RIVETED CAP

ZZPM0036

### **5 in. Support Post**

Shall be fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Crown/Post/End Cap**

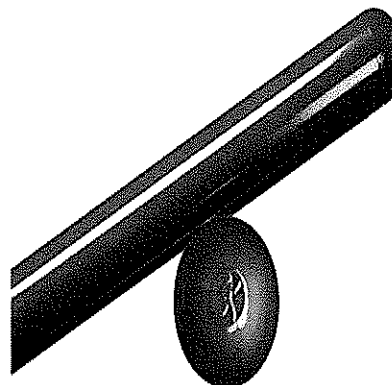
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

### **Steel Tubing - 5 in. OD, 11 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### **Drive Rivet**

The rivet shall be fabricated of 2117 aluminum alloy. The pin shall be fabricated of 7075 aluminum alloy.



\* See Note

<b>Component Number:</b>	<b>ZZPM0036</b>
<b>Specification Rev:</b>	<b>ECN343</b>
<b>Component Weight:</b>	<b>80.91 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>24.27 Lbs.</b>
<b>CO2e Footprint:</b>	<b>187.42 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## SQUARE COATED DECK ASSEMBLY

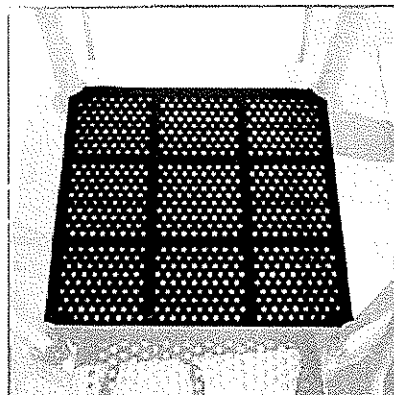
### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **PM Square Coated Platform**

Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9 mm) diameter perforated holes. Decks shall have slots along each face to accommodate face mounting of components. The flange formed decks shall also incorporate the use of underdeck support struts to insure structural integrity. Square deck shall have 2226 square inches (1436215 square mm) of surface area. Entire deck weldment shall have a protective coating. (See Coated Finish)

## ZZPM0616



\* See Note

<b>Component Number:</b>	<b>ZZPM0616</b>
<b>Specification Rev:</b>	<b>PA704</b>
<b>Component Weight:</b>	<b>90.36 Lbs.</b>
<b>Number of Users:</b>	<b>4</b>
<b>Pre-Consumer Recycle:</b>	<b>7.90 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>25.89 Lbs.</b>
<b>CO2e Footprint:</b>	<b>237.41 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## TRIANGULAR COATED DECK ASSEMBLY

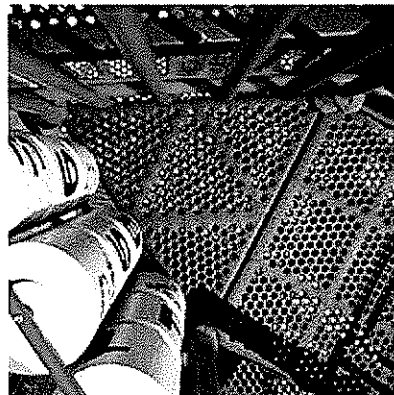
### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Coated Deck / Platform - 12 ga**

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

## ZZPM0617



\* See Note

<b>Component Number:</b>	<b>ZZPM0617</b>
<b>Specification Rev:</b>	<b>PA705</b>
<b>Component Weight:</b>	<b>46.40 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Pre-Consumer Recycle:</b>	<b>4.77 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>15.20 Lbs.</b>
<b>CO2e Footprint:</b>	<b>164.04 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **45 DEGREE TRI DECK**

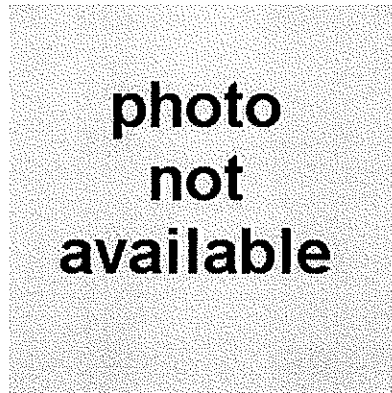
### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Coated Deck / Platform - 12 ga**

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .34 in. (9mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

## **ZZPM0639**



\* See Note

<b>Component Number:</b>	<b>ZZPM0639</b>
<b>Specification Rev:</b>	<b>PA904</b>
<b>Component Weight:</b>	<b>57.90 Lbs.</b>
<b>Number of Users:</b>	<b>3</b>
<b>Pre-Consumer Recycle:</b>	<b>5.50 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>17.86 Lbs.</b>
<b>CO2e Footprint:</b>	<b>222.00 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **TRANSFER STATION (48in DECK)**

### **Step Support Leg**

Shall be fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; and .188 in. hot rolled flat steel. (See Tubing.) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Protective Barrier - Coped**

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge and 1.315 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing.) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tubing weld connections are not acceptable.

### **Grabbar**

Shall be an all welded assembly fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. zinc plated, hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### **Coated Transfer Deck - sm holes**

Shall be an all welded assembly die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .344 in. diameter perforated holes. Entire deck weldment shall have a protective coating. (See Coated Finish)

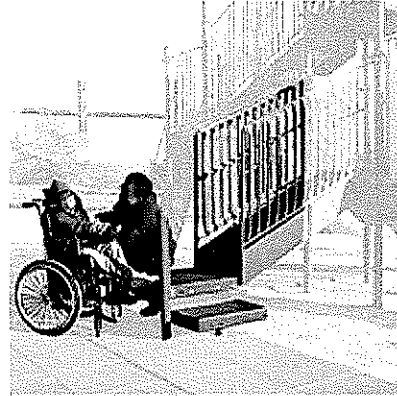
### **Coated Perf. Stair / Accessible Stair**

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled, and oiled flat steel and 11 gauge hot rolled, pickled and oiled flat steel. Stair surface shall have .34 in. (9 mm) perforated holes. Entire stair assembly shall have a protective coating. (See Coated Finish)

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000

## **ZZPM2027**



\* See Note

<b>Component Number:</b>	<b>ZZPM2027</b>
<b>Specification Rev:</b>	<b>PA765</b>
<b>Component Weight:</b>	<b>287.44 Lbs.</b>
<b>Number of Users:</b>	<b>3</b>
<b>Amount of Concrete:</b>	<b>0.09 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>11.62 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>86.60 Lbs.</b>
<b>CO2e Footprint:</b>	<b>947.96 Kgs.</b>



psi.

***Steel Tubing - 1.315 in. OD, 14 ga.***

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## APPROACH STEP FOR TRANSFER STATION

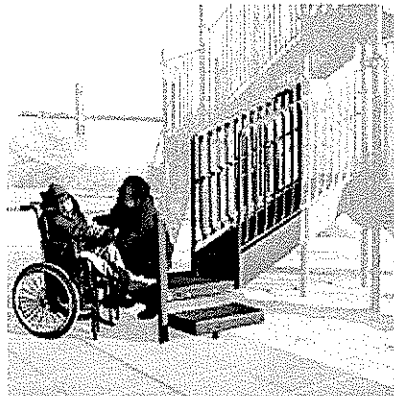
### **2.375 in. Support Post with Plate**

Shall be fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; and .125 in. zinc plated, hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### **Approach Step**

Approach step shall be an all-welded assembly fabricated of 11 gauge and 14 gauge hot rolled, pickled and oiled flat steel. Approach step surface and sides shall be die-formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Approach step surface shall have .344 in. (8 mm) diameter perforated holes. Entire deck weldment shall have a protective coating. (See Coated Finish)

## ZZUN2019



\* See Note

<b>Component Number:</b>	<b>ZZUN2019</b>
<b>Specification Rev:</b>	<b>PA769</b>
<b>Component Weight:</b>	<b>35.83 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Amount of Concrete:</b>	<b>0.04 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.72 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>9.61 Lbs.</b>
<b>CO2e Footprint:</b>	<b>97.62 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## TWIST AND SHOUT (48in DECK)

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Rail 14 ga. w/ inserts**

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing (See Tubing). Shall have factory installed crimped threaded inserts at each end. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

### **Exit Support Post - 3.5 in.**

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

### **Rotomolded Slide / Canopy**

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

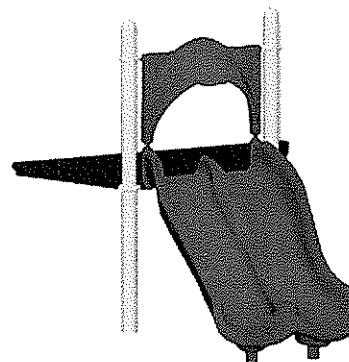
### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### **Steel Tubing - 3.5 in. OD, 13 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZPM2727



\* See Note

<b>Component Number:</b>	<b>ZZPM2727</b>
<b>Specification Rev:</b>	<b>PA0949</b>
<b>Component Weight:</b>	<b>185.20 Lbs.</b>
<b>Number of Users:</b>	<b>4</b>
<b>Amount of Concrete:</b>	<b>0.06 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.03 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>9.56 Lbs.</b>
<b>CO2e Footprint:</b>	<b>756.05 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## SLITHER SLIDE ENTRY/EXIT

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Barrier - PM w/inserts & tabs**

Shall be an all welded assembly fabricated of 1.315 in. Outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat steel. (See Tubing) Shall have factory installed crimped threaded inserts. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Exit Support Post - 3.5 in.**

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

### **Rotomolded Slide**

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

### **Glide Slide Canopy**

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Shall have molded in threaded inserts, and 1.315 in. outside diameter, 14 gauge galvanized steel tubing color matched to the plastic. Tubing shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### **Steel Tubing - 3.5 in. OD, 13 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZPM3136



\* See Note

<b>Component Number:</b>	<b>ZZPM3136</b>
<b>Specification Rev:</b>	<b>ECN1508</b>
<b>Component Weight:</b>	<b>101.22 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Amount of Concrete:</b>	<b>0.03 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.03 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>9.56 Lbs.</b>
<b>CO2e Footprint:</b>	<b>524.54 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

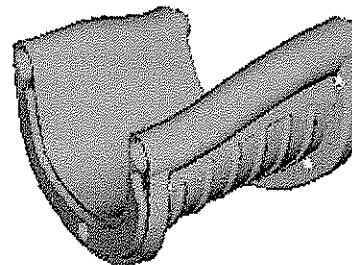
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## SLITHER SLIDE (RIGHT SECTION)

### *Rotomolded Slide*

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

## ZZUN3157



\* See Note

<b>Component Number:</b>	<b>ZZUN3157</b>
<b>Specification Rev:</b>	<b>PA1019</b>
<b>Component Weight:</b>	<b>21.14 Lbs.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>CO2e Footprint:</b>	<b>158.61 Kgs.</b>

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# Product Specifications

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## SLITHER SLIDE SUPPORT LEG 2ft-6in

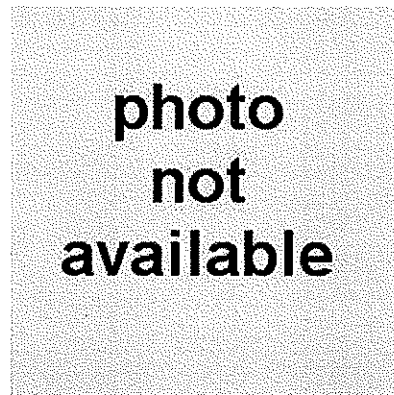
### ***Casting / Almag 35***

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### ***Slide Support Post (w/o plate)***

Shall be fabricated from 2.375 in. Outside diameter, 12 gauge galvanized steel tubing.(See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

## ZZUN3176



\* See Note

<b>Component Number:</b>	<b>ZZUN3176</b>
<b>Specification Rev:</b>	<b>PA1019</b>
<b>Component Weight:</b>	<b>16.24 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.03 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>2.15 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>5.84 Lbs.</b>
<b>CO2e Footprint:</b>	<b>80.08 Kgs.</b>

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# Product Specifications

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## PLAYSEAT

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Panel Tab**

Shall be cast of regular 319 (319.0-F) aluminum having an ultimate tensile strength of 27 ksi and a yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

### **Rotomolded Seat**

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

## ZZPM4570



\* See Note

<b>Component Number:</b>	<b>ZZPM4570</b>
<b>Specification Rev:</b>	<b>ECN623</b>
<b>Component Weight:</b>	<b>51.03 Lbs.</b>
<b>Number of Users:</b>	<b>3</b>
<b>Pre-Consumer Recycle:</b>	<b>2.45 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>4.95 Lbs.</b>
<b>CO2e Footprint:</b>	<b>302.51 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## SINGLE POST SEAT

### **5 in. Cast Almag Clamp**

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) Clamps shall be provided as hinged assemblies to facilitate structure assembly.

### **Frame - Single Post Seat**

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 8 gauge galvanized tubing; 2.875 in. outside diameter, .25 in yellow zinc plated hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish)

### **Coated Hex Stool Seat**

Shall be an all-welded assembly fabricated from 14 gauge hot rolled, pickled and oiled flat steel and 4.0 in outside diameter, 11 gauge hot rolled pickled and oiled flat steel. Seat weldment shall have a protective coating. (See Coated Finish)

### **Steel Tubing - 3.5 in. OD, 8 ga.**

Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

## ZZPM4577



\* See Note

<b>Component Number:</b>	<b>ZZPM4577</b>
<b>Specification Rev:</b>	<b>PA1148</b>
<b>Component Weight:</b>	<b>22.82 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>1.19 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>6.68 Lbs.</b>
<b>CO2e Footprint:</b>	<b>76.18 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.





# Product Specifications

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## STEERING WHEEL (PIPE WALL MOUNT)

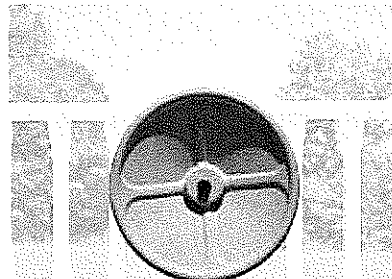
### ***Steering Wheel Clamp***

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### ***Steering Wheel w/ bearings***

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. ASTM Specifications: B-26. Federal Specifications: QQ-A-601. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) Shall have factory installed oil light bearings pressed into the casting.

## ZZUN4300



\* See Note

<b>Component Number:</b>	<b>ZZUN4300</b>
<b>Specification Rev:</b>	<b>ECN1157</b>
<b>Component Weight:</b>	<b>5.39 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>2.08 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>2.60 Lbs.</b>
<b>CO2e Footprint:</b>	<b>41.90 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## CENTERLINE PIPE WALL BARRIER

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

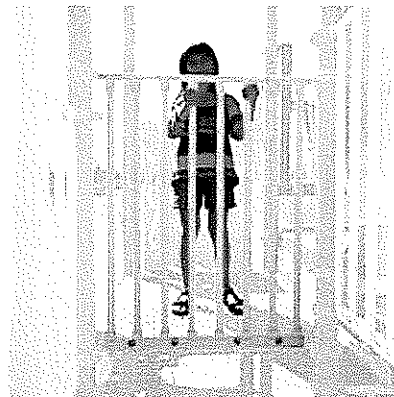
### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### **Pipe Wall Barrier - coped**

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. galvanized hot rolled flat steel (See Tubing). ASTM Specifications: A-135, E-8 and A-500. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tubing weld connections are not acceptable.

## ZZPM4090



\* See Note

<b>Component Number:</b>	<b>ZZPM4090</b>
<b>Specification Rev:</b>	<b>ECN477</b>
<b>Component Weight:</b>	<b>37.22 Lbs.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.03 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>12.26 Lbs.</b>
<b>CO2e Footprint:</b>	<b>116.50 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **ACCESS GATE**

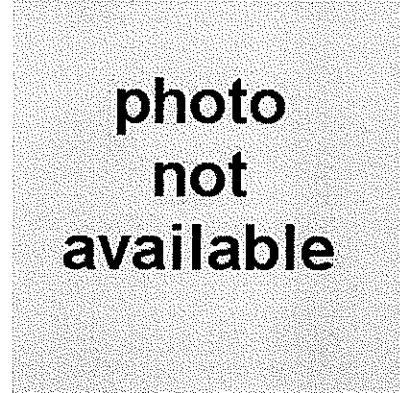
### ***5 in. Die Cast Clamp***

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### ***Arch Entry Barrier / Barrier Gate w/Coping***

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. galvanized hot rolled flat steel (See Tubing). ASTM Specifications: A-135, E-8 and A-500. Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tubing weld connections are not acceptable.

## **ZZPM4288**



\* See Note

<b>Component Number:</b>	<b>ZZPM4288</b>
<b>Specification Rev:</b>	<b>PA783</b>
<b>Component Weight:</b>	<b>34.38 Lbs.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.03 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>11.36 Lbs.</b>
<b>CO2e Footprint:</b>	<b>110.81 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## 24in DECK TO DECK CLIMBER

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Coated Climber Panel**

Climber panel shall be die-formed from a single sheet of 11 gauge hot rolled, pickled and oiled flat steel. Climber panel surface shall have .75 in. (1.9 cm) diameter perforated holes. Entire Climber panel weldment shall have a protective coating. (See Coated Finish)

### **Barrier Gate**

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 in. Outside diameter, 14 gauge galvanized steel tubing; .25 in. Hot rolled, pickled and oiled flat steel and 8 gauge galvanized hot rolled steel. (See Tubing) All tube to tube weld connections shall be coped before welding to provide a clean look and the strongest joint possible. Flattened or partially flattened tube weld connections are not acceptable. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

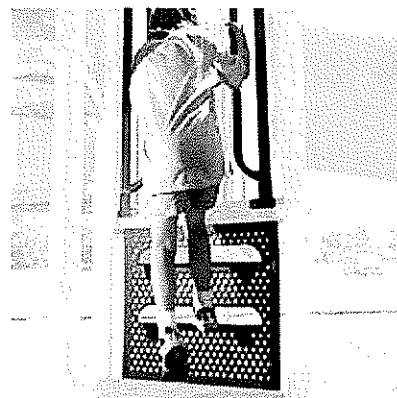
### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

## ZZPM6190



\* See Note

<b>Component Number:</b>	<b>ZZPM6190</b>
<b>Specification Rev:</b>	<b>ECN496</b>
<b>Component Weight:</b>	<b>64.56 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>3.25 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>19.47 Lbs.</b>
<b>CO2e Footprint:</b>	<b>313.05 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **CLIFF HANGER (60in DECK)**

### ***Handhold - Climbing Wall***

Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

### ***Spring Rider Handle***

Cast of regular 319 (319.0-F) aluminum. Ultimate tensile strength shall be 27 ksi. Yield strength shall be 18 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

### ***5 in. Die Cast Clamp***

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

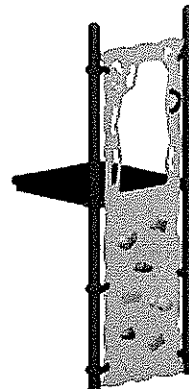
### ***Panel Connector***

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### ***Plastic Panel - .75 in.***

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

## **ZZPM6977**



\* See Note

<b>Component Number:</b>	<b>ZZPM6977</b>
<b>Specification Rev:</b>	<b>ECN1119</b>
<b>Component Weight:</b>	<b>103.06 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Pre-Consumer Recycle:</b>	<b>28.31 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>7.65 Lbs.</b>
<b>CO2e Footprint:</b>	<b>609.55 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## ROCK CLIMBER

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Panel Connector**

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Anchor Post w/ Plate - 12 Ga.**

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing; and 12 gauge hot rolled flat steel plate. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Plastic Panel - .75 in.**

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

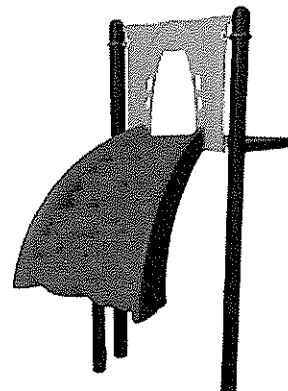
### **Rotomolded Component**

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Threaded inserts may be molded into the plastic to provide attachment points.

### **Steel Tubing - 3.5 in. OD, 13 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZPM7439



\* See Note

<b>Component Number:</b>	<b>ZZPM7439</b>
<b>Specification Rev:</b>	<b>PA1127</b>
<b>Component Weight:</b>	<b>153.48 Lbs.</b>
<b>Number of Users:</b>	<b>3</b>
<b>Amount of Concrete:</b>	<b>0.03 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>11.60 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>6.61 Lbs.</b>
<b>CO2e Footprint:</b>	<b>673.99 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## ROCKBLOCKS DECK ACCESS SUPPORT (36in - 48in DECK)

### **Support Access - RockBlocks**

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and 10 gauge galvanized hot rolled steel. (See Tubing) Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish)

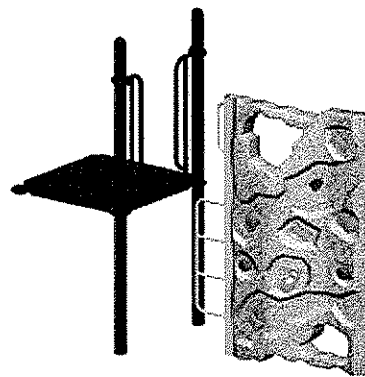
### **Label - Vinyl**

Design shall be printed on pressure sensitive white vinyl with fade resistant inks. Shall have a P-12 adhesive backing. Printed design shall be laminated with .5 mil clear mylar for weather resistance.

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZUN0167



\* See Note

<b>Component Number:</b>	<b>ZZUN0167</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>43.86 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>2.58 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>9.46 Lbs.</b>
<b>CO2e Footprint:</b>	<b>120.28 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## 5in X 84in END WALL SUPPORT

### **Label - Vinyl**

Design shall be printed on pressure sensitive white vinyl with fade resistant inks. Shall have a P-12 adhesive backing. Printed design shall be laminated with .5 mil clear mylar for weather resistance.

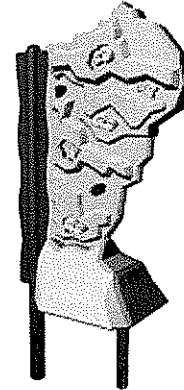
### **Support - End Wall - RockBlocks**

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing and 10 gauge galvanized hot rolled steel. (See Tubing) Shall have a factory attached almag aluminum post cap. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Steel Tubing - 5 in. OD, 11 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZUN0248



\* See Note

<b>Component Number:</b>	<b>ZZUN0248</b>
<b>Specification Rev:</b>	<b>PA1102</b>
<b>Component Weight:</b>	<b>109.41 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>32.31 Lbs.</b>
<b>CO2e Footprint:</b>	<b>297.92 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.





# Product Specifications

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## **ROCKBLOCKS KINKED WALL (84in)**

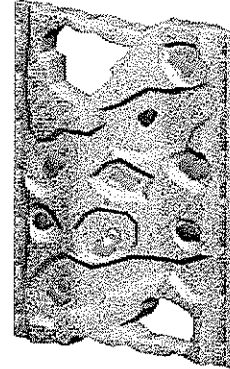
### ***Handhold - RockBlocks***

Hand grips shall be a bolt-through design only. Bolted connection only being secured to one wall of the structure is not acceptable. Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips must have a bolt-through design which connect and secure opposing hand grips to each other. A single wall bolt-on design can collapse and tear out the plastic structure and is not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

### ***Wall Section - RockBlocks***

Shall be rotationally molded from linear low density polyethylene. (See RockBlocks) Dry-blended or molded-in color resins are not acceptable.

## **ZZUN8357**



\* See Note

<b>Component Number:</b>	<b>ZZUN8357</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>107.07 Lbs.</b>
<b>Number of Users:</b>	<b>4</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>CO2e Footprint:</b>	<b>780.85 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## ROCKBLOCKS END WALL (84in)

### **Handhold - RockBlocks**

Hand grips shall be a bolt-through design only. Bolted connection only being secured to one wall of the structure is not acceptable. Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips must have a bolt-through design which connect and secure opposing hand grips to each other. A single wall bolt-on design can collapse and tear out the plastic structure and is not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

### **Exit Support Post - 3.5 in.**

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

### **Wall Section (End)- RockBlocks**

Shall be rotationally molded from linear low density polyethylene. (See RockBlocks) Dry-blended or molded-in color resins are not acceptable. Threaded inserts are molded into the plastic to provide attachment points for the support leg/bracket.

### **Steel Tubing - 3.5 in. OD, 13 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZUN8369



\* See Note

<b>Component Number:</b>	<b>ZZUN8369</b>
<b>Specification Rev:</b>	<b>PA1036</b>
<b>Component Weight:</b>	<b>138.63 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>3.75 Lbs.</b>
<b>CO2e Footprint:</b>	<b>1,009.86 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## 6ft HORIZONTAL LOOP LADDER

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Loop Ladder**

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and 3.5 in. outside diameter, .13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### **Steel Tubing - 2.375 in. OD, 12 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

## ZZPM5780

photo  
not  
available

\* See Note

<b>Component Number:</b>	<b>ZZPM5780</b>
<b>Specification Rev:</b>	<b>ECN434</b>
<b>Component Weight:</b>	<b>60.60 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Pre-Consumer Recycle:</b>	<b>2.06 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>20.46 Lbs.</b>
<b>CO2e Footprint:</b>	<b>206.45 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## OVERHEAD EVENT ACCESS LADDER (36in DECK)

## ZZPM5970

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Access Ladder**

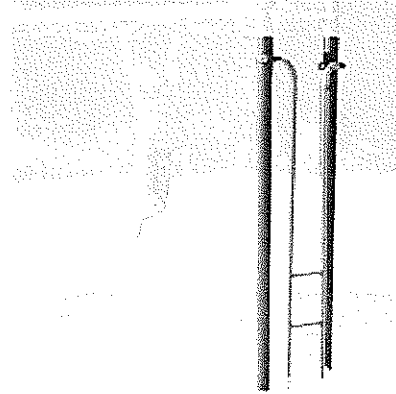
Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 1.029 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.



\* See Note

<b>Component Number:</b>	<b>ZZPM5970</b>
<b>Specification Rev:</b>	<b>ECN556</b>
<b>Component Weight:</b>	<b>26.16 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Amount of Concrete:</b>	<b>0.06 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.03 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>8.99 Lbs.</b>
<b>CO2e Footprint:</b>	<b>88.41 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## 10ft COATED ARCH BRIDGE

### **5 in. Die Cast Clamp**

Shall be die cast of high strength 380 aluminum alloy. Clamps shall be provided as hinged assemblies to facilitate structure assembly and an S-lap design to eliminate string entanglement. (See Die Cast Clamps) Finished with a shot blast and a powder coating. (See Superdurable Polyester Powder Coat Finish) Because a hinged clamp design provides the easiest and most flexible installation, clamps which incorporate a slip-through design or clamping devices that use a "bolt through" design are not acceptable. The use of two (2) piece steel half clamps are not acceptable due to poor weatherability and inherent rust problem.

### **Barrier - Arch Bridge**

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .815 in. Outside diameter, 15 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### **Coated Perf. Bridge Arch**

Plank shall be an all-welded assembly fabricated of 14 gauge hot rolled, pickled and oiled flat steel. Plank surface and sides shall be die-formed from a single sheet of 14 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have .75 in. diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

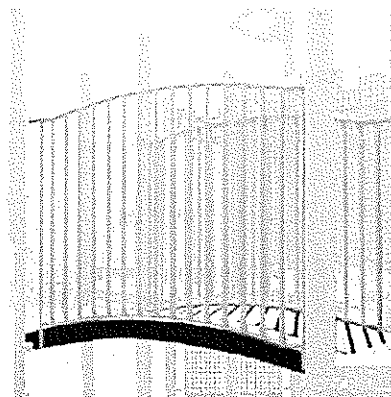
### **Steel Tubing - .815 in. OD, 15 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### **Steel Tubing - 1.315 in. OD, 14 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

## ZZPM6635



\* See Note

<b>Component Number:</b>	<b>ZZPM6635</b>
<b>Specification Rev:</b>	<b>ECN1452</b>
<b>Component Weight:</b>	<b>401.77 Lbs.</b>
<b>Number of Users:</b>	<b>5</b>
<b>Pre-Consumer Recycle:</b>	<b>16.94 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>120.26 Lbs.</b>
<b>CO2e Footprint:</b>	<b>1,141.04 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## PLAYGROUND RULES RISK MANAGEMENT SIGN

ZZXX0195

### **Sign Frame**

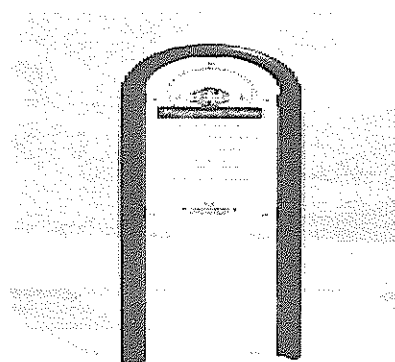
Shall be an all welded assembly fabricated of .25 in. hot rolled flat steel and 2.375 in. outside diameter, 12 gauge galvanized steel tubing. (See Tubing) Finished with powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### **Risk Management Sign**

Shall be fabricated of .250 in. (6 mm) thick Modulite® fiberglass-reinforced plastic (FRP) panels. Modulite is a non-yellowing, R-70 clear resin (a UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat. Glass content shall be no less than 28% of total sign weight. Glass fibers should not be readily discernible on the sign face. Shall have custom, digitally printed graphics that become inseparable from the panel to disallow delamination. Shall have an ambient temperature range of -65 F to 350 F. Shall have a minimum Barcol hardness of 50. Shall have a tensile strength of 12,000 psi. Shall have a compressive strength of 20,000 psi. Shall have a flexural strength of 18,000 psi. Shall have a minimum impact strength of 6 ft./lb. Shall have a fire resistance of 500 F. Material shall not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints. Shall be readily cleaned with paint remover and solvents without affecting appearance or legibility of finish or graphics. Panel shall have a semi-gloss finish. Edges must not crazed or cracked, but be smooth and clean. Laminated panels shall not be acceptable.

### **Steel Tubing - 2.375 in. OD, 12 ga.**

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.



\* See Note

<b>Component Number:</b>	<b>ZZXX0195</b>
<b>Specification Rev:</b>	<b>PA680</b>
<b>Component Weight:</b>	<b>42.75 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.07 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>11.58 Lbs.</b>
<b>CO2e Footprint:</b>	<b>254.27 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## ACCESSIBLE SWING SEAT W/ GALV CHAIN TO 8FT TOP RAIL

### **Chain - 4/0 - galvanized**

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

### **Swing Seat - Accessible (Santoprene latch)**

Shall be rotationally molded from linear low density polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable. Threaded inserts may be molded into the plastic to provide attachment points. Shall have a factory installed latching mechanism fabricated from santoprene. Santoprene is thermoplastic elastomer (TPE); hardness grade from 35 shore to 50 shore; environmental aging resistance, electrical properties, and liquid resistance. Shall contain an injection molding of ABS Plastic with a density of .0376 lb/cu inch, tensile strength 6500psi, and yield strength 7250 psi. Shall contain a 3/8" stainless steel rod.

**ZZXX0224**

photo  
not  
available

\* See Note

<b>Component Number:</b>	<b>ZZXX0224</b>
<b>Specification Rev:</b>	<b>PA1173</b>
<b>Component Weight:</b>	<b>25.78 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>4.53 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>2.71 Lbs.</b>
<b>CO2e Footprint:</b>	<b>0.00 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft TOP RAIL**

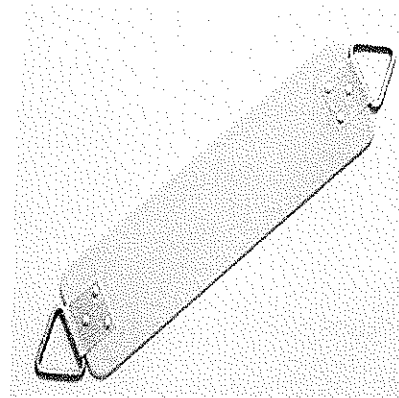
### ***Chain - 4/0 - galvanized***

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

### ***Swing Seat - belt***

Shall be fabricated from .5 in. (13 mm) thick ethylene propylene diene monomer with a T-301 full hard .020 in. (.51 mm) carbon steel insert. A triangular galvanized steel bracket and plate shall be secured to seat with galvanized rivets for chain attachments. Seat shall be slash-proof.

## **ZZXX0260**



\* See Note

<b>Component Number:</b>	<b>ZZXX0260</b>
<b>Specification Rev:</b>	<b>ECN1836</b>
<b>Component Weight:</b>	<b>8.37 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>2.35 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>1.28 Lbs.</b>
<b>CO2e Footprint:</b>	<b>70.30 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.





# Product Specifications

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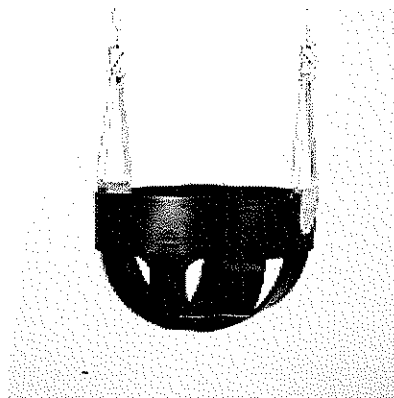
## **INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL      ZZXX0265**

### ***Chain - 4/0 - galvanized***

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

### ***Swing Seat - infant***

Shall be fabricated from .5 in. (13 mm) thick ethylene propylene diene monomer with a T-301 full hard .020 in. (.51 mm) carbon steel insert. A triangular galvanized steel bracket and plate shall be secured to seat with galvanized rivets for chain attachments. Seat shall be slash-proof.



\* See Note

<b>Component Number:</b>	<b>ZZXX0265</b>
<b>Specification Rev:</b>	<b>ECN1836</b>
<b>Component Weight:</b>	<b>11.31 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>1.76 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>0.96 Lbs.</b>
<b>CO2e Footprint:</b>	<b>126.00 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **8ft SINGLE POST SWING ASSEMBLY**

### ***Swing Clevis - cast iron/ plated***

Shall be manufactured of superior grade cast ductile iron and zinc plated for optimal surface protection. Shall have an integrated bronze bearing pressed in after powdercoating. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***5 in. Support Post w/ Welded Ring & End Cap***

Shall be an all-welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing, .188 in. hot rolled pickled and oiled flat steel and a factory-installed cap. Shall be finished with a baked-on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### ***Steel Tubing - 5 in. OD, 11 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## **ZZXX0295**



\* See Note

<b>Component Number:</b>	<b>ZZXX0295</b>
<b>Specification Rev:</b>	<b>ECN1034</b>
<b>Component Weight:</b>	<b>264.58 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.26 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.26 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>73.24 Lbs.</b>
<b>CO2e Footprint:</b>	<b>674.91 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **8ft SINGLE POST SWING ADD-A- BAY**

### ***Swing Clevis - cast iron/ plated***

Shall be manufactured of superior grade cast ductile iron and zinc plated for optimal surface protection. Shall have an integrated bronze bearing pressed in after powdercoating. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***3.5 in. Swing Hanger / Band - cast iron***

Shall be manufactured of superior grade cast ductile iron and galvanized. The swing hanger and band together shall have an ultimate tensile load of 5000 lbs. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***Steel Tubing - 3.5 in. OD, 8 ga.***

Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

## **ZZXX0296**



\* See Note

<b>Component Number:</b>	<b>ZZXX0296</b>
<b>Specification Rev:</b>	<b>ECN1034</b>
<b>Component Weight:</b>	<b>174.09 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>46.53 Lbs.</b>
<b>CO2e Footprint:</b>	<b>471.53 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **TURBO TOWER**

### ***Turbo Tower Center Post***

Shall be an all welded assembly fabricated from 5 in. outside diameter, 11 gauge galvanized steel tubing, 1.029 in. outside diameter, 14 gauge galvanized steel tubing, and 1-5/8 in. cold rolled steel rod connectors. (See Tubing) Post shall have a factory installed riveted end cap. (See End Cap) Shall be finished with a baked-on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***Ring Section - 1.315 in. O.D.***

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### ***Support Post - Climber 1.66 in.***

Shall be fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing (See Tubing). Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### ***Steel Tubing - 1.029 in. OD, 14 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### ***Steel Tubing - 1.315 in. OD, 14 ga.***

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

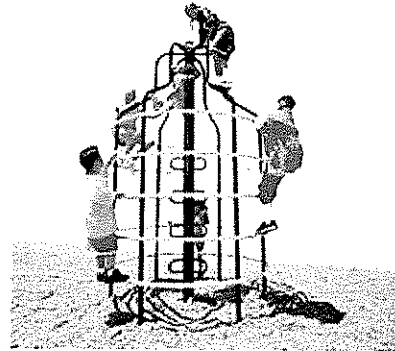
### ***Steel Tubing - 1.66 in. OD, 13 ga.***

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### ***Steel Tubing - 5 in. OD, 11 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## **ZZXX0399**



\* See Note

<b>Component Number:</b>	<b>ZZXX0399</b>
<b>Specification Rev:</b>	<b>ECN1479</b>
<b>Component Weight:</b>	<b>346.24 Lbs.</b>
<b>Number of Users:</b>	<b>9</b>
<b>Amount of Concrete:</b>	<b>0.30 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>102.90 Lbs.</b>
<b>CO2e Footprint:</b>	<b>852.17 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **ROCKBLOCKS Z SUPPORT (60in WALL)**

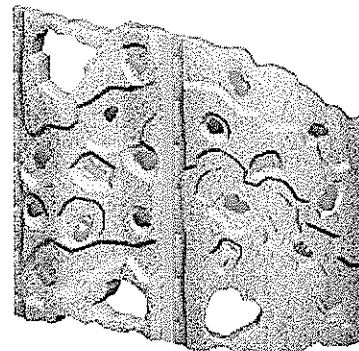
### ***Support Post - RockBlocks***

Shall be an all welded assembly fabricated of 10 gauge galvanized hot rolled steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### ***Label - Vinyl***

Design shall be printed on pressure sensitive white vinyl with fade resistant inks. Shall have a P-12 adhesive backing. Printed design shall be laminated with .5 mil clear mylar for weather resistance.

## **ZZUN0176**



\* See Note

<b>Component Number:</b>	<b>ZZUN0176</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>31.01 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>1.80 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>6.60 Lbs.</b>
<b>CO2e Footprint:</b>	<b>73.38 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## ROCKBLOCKS TRI LADDER (84in WALL)

### **Support Access - RockBlocks**

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and 10 gauge galvanized hot rolled steel. (See Tubing) Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish)

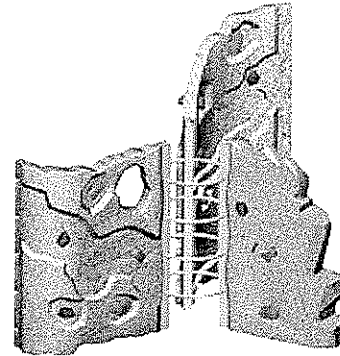
### **Label - Vinyl**

Design shall be printed on pressure sensitive white vinyl with fade resistant inks. Shall have a P-12 adhesive backing. Printed design shall be laminated with .5 mil clear mylar for weather resistance.

### **Steel Tubing - 1.029 in. OD, 14 ga.**

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## ZZUN8356



\* See Note

<b>Component Number:</b>	<b>ZZUN8356</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>132.55 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Amount of Concrete:</b>	<b>0.26 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>39.00 Lbs.</b>
<b>CO2e Footprint:</b>	<b>408.85 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **ROCKBLOCKS 90 DEGREE WALL (84in to 60in)**

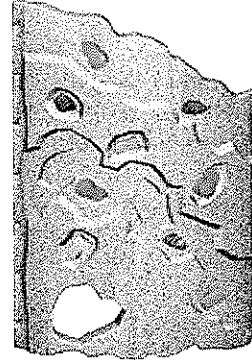
### ***Handhold - RockBlocks***

Hand grips shall be a bolt-through design only. Bolted connection only being secured to one wall of the structure is not acceptable. Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips must have a bolt-through design which connect and secure opposing hand grips to each other. A single wall bolt-on design can collapse and tear out the plastic structure and is not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

### ***Wall Section - RockBlocks***

Shall be rotationally molded from linear low density polyethylene. (See RockBlocks) Dry-blended or molded-in color resins are not acceptable.

## **ZZUN8358**



\* See Note

<b>Component Number:</b>	<b>ZZUN8358</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>119.07 Lbs.</b>
<b>Number of Users:</b>	<b>4</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>CO2e Footprint:</b>	<b>849.08 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **ROCKBLOCKS END WALL (60in)**

### ***Handhold - RockBlocks***

Hand grips shall be a bolt-through design only. Bolted connection only being secured to one wall of the structure is not acceptable. Hand grips shall be manufactured of polyurethane and are uniquely textured for slip resistance. Hand grips must be also formulated to withstand extreme impacts and be highly resistant to ultraviolet light and chemicals. Hand grip material must be manufactured from materials having a proven record in the climbing industry. Each hand grip shall be recessed into the climbing structure with a shape unique to the individual hand grip. Hand grips not recessed can rotate or turn and are not acceptable. Hand grips must have a bolt-through design which connect and secure opposing hand grips to each other. A single wall bolt-on design can collapse and tear out the plastic structure and is not acceptable. Hand grips shall have a Lifetime Warranty. Anything other than a Lifetime Warranty is not acceptable.

### ***Wall Section (End)- RockBlocks***

Shall be rotationally molded from linear low density polyethylene. (See RockBlocks) Dry-blended or molded-in color resins are not acceptable. Threaded inserts are molded into the plastic to provide attachment points for the support leg/bracket.

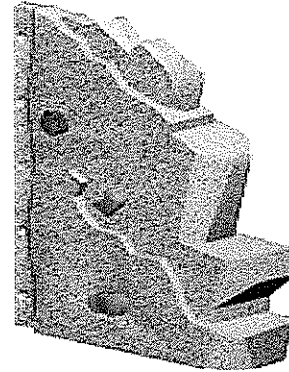
### ***Exit Support Post - 3.5 in.***

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing and 11 gauge zinc plated hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish) ASTM Specifications: A-36,

### ***Steel Tubing - 3.5 in. OD, 13 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## **ZZUN8360**



\* See Note

<b>Component Number:</b>	<b>ZZUN8360</b>
<b>Specification Rev:</b>	<b>PA0971</b>
<b>Component Weight:</b>	<b>76.13 Lbs.</b>
<b>Number of Users:</b>	<b>2</b>
<b>Amount of Concrete:</b>	<b>0.13 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>2.85 Lbs.</b>
<b>CO2e Footprint:</b>	<b>439.49 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.





# Product Specifications

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## **BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft TOP RAIL**

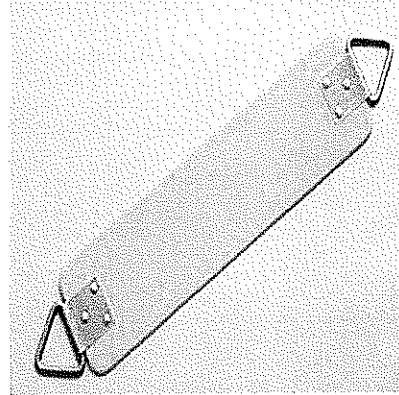
### ***Chain - 4/0 - galvanized***

Shall be 4/0 hot dipped galvanized welded link chain. The chain links are low carbon 1008 steel. The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

### ***Swing Seat - belt***

Shall be fabricated from .5 in. (13 mm) thick ethylene propylene diene monomer with a T-301 full hard .020 in. (.51 mm) carbon steel insert. A triangular galvanized steel bracket and plate shall be secured to seat with galvanized rivets for chain attachments. Seat shall be slash-proof.

### **ZZXX0260**



\* See Note

<b>Component Number:</b>	<b>ZZXX0260</b>
<b>Specification Rev:</b>	<b>ECN1836</b>
<b>Component Weight:</b>	<b>8.37 Lbs.</b>
<b>Number of Users:</b>	<b>1</b>
<b>Pre-Consumer Recycle:</b>	<b>2.35 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>1.28 Lbs.</b>
<b>CO2e Footprint:</b>	<b>70.30 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## **8ft SINGLE POST SWING ASSEMBLY**

### ***Swing Clevis - cast iron/ plated***

Shall be manufactured of superior grade cast ductile iron and zinc plated for optimal surface protection. Shall have an integrated bronze bearing pressed in after powdercoating. Shall be finished with a baked on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***5 in. Support Post w/ Welded Ring & End Cap***

Shall be an all-welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing, .188 in. hot rolled pickled and oiled flat steel and a factory-installed cap. Shall be finished with a baked-on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

### ***Steel Tubing - 5 in. OD, 11 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

## **ZZXX0295**



\* See Note

<b>Component Number:</b>	<b>ZZXX0295</b>
<b>Specification Rev:</b>	<b>ECN1034</b>
<b>Component Weight:</b>	<b>264.58 Lbs.</b>
<b>Amount of Concrete:</b>	<b>0.26 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.26 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>73.24 Lbs.</b>
<b>CO2e Footprint:</b>	<b>674.91 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.



# Product Specifications

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## TURBO TOWER

## ZZXX0399

### ***Turbo Tower Center Post***

Shall be an all welded assembly fabricated from 5 in. outside diameter, 11 gauge galvanized steel tubing, 1.029 in. outside diameter, 14 gauge galvanized steel tubing, and 1-5/8 in. cold rolled steel rod connectors. (See Tubing) Post shall have a factory installed riveted end cap. (See End Cap) Shall be finished with a baked-on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

### ***Ring Section - 1.315 in. O.D.***

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### ***Support Post - Climber 1.66 in.***

Shall be fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing (See Tubing). Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

### ***Steel Tubing - 1.029 in. OD, 14 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.

### ***Steel Tubing - 1.315 in. OD, 14 ga.***

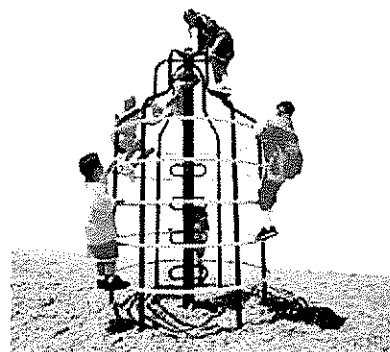
Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### ***Steel Tubing - 1.66 in. OD, 13 ga.***

Tensile strength shall be 75,000 psi. Yield strength shall be 60,000 psi.

### ***Steel Tubing - 5 in. OD, 11 ga.***

Tensile strength shall be 55,000 psi. Yield strength shall be 50,000 psi.



\* See Note

<b>Component Number:</b>	<b>ZZXX0399</b>
<b>Specification Rev:</b>	<b>ECN1479</b>
<b>Component Weight:</b>	<b>346.24 Lbs.</b>
<b>Number of Users:</b>	<b>9</b>
<b>Amount of Concrete:</b>	<b>0.30 Yds.</b>
<b>Pre-Consumer Recycle:</b>	<b>0.00 Lbs.</b>
<b>Post-Consumer Recycle:</b>	<b>102.90 Lbs.</b>
<b>CO2e Footprint:</b>	<b>852.17 Kgs.</b>

\* The photos shown are for product representation only. The actual products may vary in size and color depending upon application.

# Valley Falls S. P. Head of First Falls Area

Design Number: 093252 - Compliance and Technical Data  
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZXX0260	2	BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft. TOP RAIL	Certified	16.74		141	2	0.50	0.00	2
2	ZZXX0295	1	8ft SINGLE POST SWING ASSEMBLY	Certified	264.58		675	0	2.00	0.26	0
3	ZZXX0399	1	TURBO TOWER	Certified	346.24		852	9	4.50	0.30	1
4	ZZUN0176	3	ROCKBLOCKS Z SUPPORT (60in WALL)	Certified	93.03		220	0	3.00	0.39	0
5	ZZUN8356	1	ROCKBLOCKS TRI LADDER (84in WALL)	Certified	132.55		409	1	2.00	0.26	1
6	ZZUN8358	3	ROCKBLOCKS 90 DEGREE WALL (84in to 60in)	Certified	357.21		2,547	12	1.50	0.00	3
7	ZZUN8360	3	ROCKBLOCKS END WALL (60in)	Certified	228.39		1,318	6	3.00	0.39	3
8	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00		0	0	0.25	0.00	0
9	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0
10	ZZUN9936	1	MAINTENANCE BOOK	N/A	1.00		180	0	0.25	0.00	0
11	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46		31	0	0.25	0.00	0

Totals: 1,443.25 10 246 6,194 30 17.50 1.60 10  
 649.46 Kg 5 Kg 111 Kg 6 Metric Tons 1.22 m3



# Valley Falls S. P. Head of First Falls Area

Design Number: 093252 - Compliance and Technical Data  
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre- Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Install Hours	Concrete (Yds3)	Active Play Events
	ASTM F1487-07									

The lay-out for this custom playscape, design number 093252, has been configured to meet the requirements of the ASTM F1487-07 standard. In addition, each of the above components listed as "Certified" have been tested and are IPEMA certified. Components listed as "Not Applicable" do not fall within the scope of the ASTM F1487-07 standard and have not been tested. IPEMA certification can be verified on the IPEMA website, [www.ipema.org](http://www.ipema.org). In the interest of playground safety, IPEMA provides a Third Party Certification Service which validates compliance.

Americans with Disabilities Act Accessibility Guidelines (ADAAG)  
 The lay-out was also designed to meet the ADAAG published 23-July-2004, by the United States Access Board who installed over a properly maintained surfacing material that is in compliance with ASTM F1951 "Accessibility of Surface Systems Under and Around Playground Equipment" as well as ASTM F1292, "Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment", appropriate for the fall height of the structure.

Installation Times  
 Installation times are based on one experienced installer. A crew of three experienced individuals can perform the installation within the given time, each member working 1/3 of the given hours. [Eg. Installation Time = 30 hours. For a crew of three, each member will work 10 hours on the installation for a total of 30 hours on the project.]

Carbon Footprint  
 The CO2e (carbon footprint given in Kilograms and Metric Tons) listed above is a measure of the environmental impact this play structure represents from harvesting raw materials to the time it leaves our shipping dock. Playworld Systems nurtures a total corporate culture that is focused on eliminating carbon producing processes and products, reducing our use of precious raw materials, reusing materials whenever possible and recycling materials at every opportunity. Playworld Systems elected to adopt the Publicly Available Specification; PAS 2050 as published by the British Standards Institute and sponsored by Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content  
 A measurement, in pounds, that qualifies the amount of material that was captured as waste and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content  
 A measurement, in pounds, that qualifies the amount of material that was once another product that has completed its lifecycle and has been diverted from a landfill as a solid waste through recycling and is now being used in a Playworld Systems' product. E.g. \*\*20% to 40% of the steel in our steel tubing and sheet steel have been diverted from landfills. Automobiles are scrapped and recyclable steel is purchased by the steel mill that produces our raw product.  
 \*\* The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.

