



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
DNR209116

PAGE
1

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
 KANAWHA STATE FOREST
 ATTN: PARK SUPERINTENDENT
 ROUTE 2, BOX 285
 CHARLESTON, WV
 25314 304-346-5654

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/23/2009				

BID OPENING DATE:	05/26/2009	BID OPENING TIME	01:30PM
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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED)						
<p>THE WEST VIRGINIS PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS FROM RESPONSIBLE VENDORS TO PROVIDE LABOR AND MATERIAL FOR THE CONSTRUCTION OF PLAYGROUND EQUIPMENT AT KANAWHA STATE FOREST PER THE ATTACHED SPECIFICATIONS.</p> <p>A MANDATORY PRE-BID MEETING WILL BE HELD ON MAY 4, 2009 AT 10:00 AM AT THE PARK HEADQUARTERS. FAILURE TO ATTEND THE MANDATORY PRE-BID MEETING WILL RESULT IN BID DISQUALIFICATION. AN INDIVIDUAL MAY NOT REPRESENT MORE ONE FIRM AT THE MANDATORY PRE-BID MEETING.</p> <p>TECHNICAL QUESTIONS MAY BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV DEADLINE FOR TECHNICAL QUESTIONS IS 05/07/09 @ 3:00 PM ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATION</p>						

RECEIVED
 2009 MAY 21 AM 9:51
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>SK Self</i>	800/385-0075	5/20/09	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
SAWS HGR.	52-2132887		

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



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<p>IN ACCORDANCE WITH SECTION 148-1-4 (F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS. EXHIBIT 5</p> <p>WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT: ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLIANCE WITH THE BID. THE ENCLOSED DRUG-FREE WORKPLACE AFFIDAVIT 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.</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 90 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED.</p> <p>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.</p> <p>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAG RATES AS ESTABLISHED FOR KANAWHA COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)</p> <p>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST</p>						

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<i>[Signature]</i>	800/385-0075	5/20/09
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SAULS MGR	52-2132 887	

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<p>REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <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 ACCEPABLE 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</p>						

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<p>THE SUCCESSFUL VENDOR</p> <p>REV. 11/00</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS & STEEL IN PUBLIC WORKS PROJECTS</p> <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</p>						

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<p>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> <p>REV. 3/88</p> <p>EXHIBIT 9</p> <p>NOTICE FOR ISSUANCE & ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA</p> <p>THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:</p> <p>(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT. THE ADDENDUM AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.</p> <p>(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID OPENING DATE.</p> <p>(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY AL</p>						

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<p>BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION. THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.</p> <p>REV. 11/96</p> <p>EXHIBIT 10</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NOS. :</p> <p>NO. 1 5/18/09 - ATTACHED</p> <p>NO. 2 </p> <p>NO. 3 </p> <p>NO. 4 </p> <p>NO. 5 </p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY</p>						

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<p>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.</p> <p><i>St Sep</i>SIGNATURE <i>PLAYGROUND SPECIALISTS INC</i>COMPANY <i>5/20/09</i>DATE</p> <p>REV. 11/96</p> <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p> <p>CONTRACTORS NAME: <i>PLAYGROUND SPECIALISTS INC</i></p> <p>CONTRACTORS LICENSE NO.: <i>WV04443</i></p>						

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<p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULES AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING 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, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 1/2005</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

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State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

STATE OF MARYLAND
COUNTY OF FREDERICK, TO-WIT:

I, STEVEN SLIFER, after being first duly sworn, depose and state as follows:

- 1. I am an employee of PLAYGROUND SPECIALISTS INC.; and,
(Company Name)
- 2. I do hereby attest that PLAYGROUND SPECIALISTS INC.
(Company Name)

maintains a valid written drug free workplace policy and that such policy is in compliance with **West Virginia Code** §21-1D-5.

The above statements are sworn to under the penalty of perjury.

PLAYGROUND SPECIALISTS INC.
(Company Name)

By: St Slifer

Title: SALES MANAGER

Date: 5/20/09

Taken, subscribed and sworn to before me this 20th day of May 2009

By Commission expires MAY 15, 2013

(Seal)

Diane L. Daniels
(Notary Public)

THIS AFFIDAVIT MUST BE SUBMITTED WITH THE BID IN ORDER TO COMPLY WITH WV CODE PROVISIONS. FAILURE TO INCLUDE THE AFFIDAVIT WITH THE BID SHALL RESULT IN DISQUALIFICATION OF THE BID.

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: 5/20/09



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 EMMITSBURG MD 21727**

**DIVISION OF NATURAL RESOURCES
 KANAWHA STATE FOREST
 ATTN: PARK SUPERINTENDENT
 ROUTE 2, BOX 285
 CHARLESTON, WV
 25314 304-346-5654**

DATE PRINTED 05/18/2009	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **05/26/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED VENDOR QUESTIONS & ANSWERS AND MANDATORY PRE-BID SIGN IN SHEET						
BID OPENING DATE AND TIME HAVE NOT CHANGED.						
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED)						
***** THIS IS THE END OF RFQ DNR209116 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 800/385-0075	DATE 5/20/09
TITLE SALES MANAGER	FAX 52-213887	ADDRESS CHANGES TO BE NOTED ABOVE

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

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.

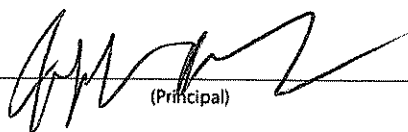
WHEREAS, the Principal has submitted a bid for
Supply and Installation of Play Equipment at Kanawha State Forest

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 **19th** day of **May**, 2009



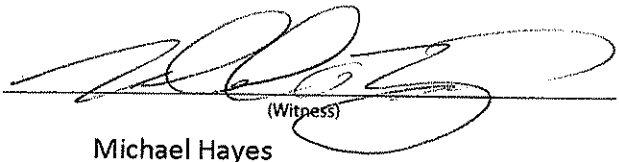
Steven Suter
(Witness)



(Principal) (Seal)

By: **Jeffrey Barber**, **PRESIDENT**

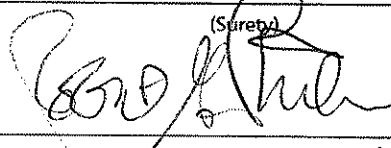
(Title)



(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

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.



Mark J. Huller
MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

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 19th day of May, 2009



Gregory J. Schlemmer
Secretary

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Please complete the below information concerning the brand(s) of equipment being bid in relation to this project. If bidding in or equal inch 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	Model
1	Area 1 - Dam Playground PrimeTime swing, Item #12583, or equal.	PLAYWORLD SYSTEMS	0288
2	Area 1 - Dam Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0266
3	Area 1- Dam Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375
4	Area 1 - Dam Playground PrimeTime tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265
5	Area 1 - Dam Playground GameTime freestanding wave zip slide, Item #18395, or equal.		CH 2697
6	Area 1 - Dam Playground GameTime tuffclad 6' bench with back in-ground (PS), Item #28009, or equal.		1410
7	Area 1 - Dam Playground GameTime dome climber, Item#655, or equal.		PD 1851
8	Installation of all items (1, 2, 3, 4, 5, 6, & 7) for the Area 1 - Dam Playground.		PLAYGROUND SPECIALISTS INC

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
9	Area 2 - Rattlesnake Playground GameTime parcours fitcenter, Item #13200, or equal. Unit must include the following components:	PLAYWOOD SYSTEMS	
	Area 2 - Rattlesnake Playground Sign Frame	↓	INCLUDED W/EACH STATION
	Area 2 - Rattlesnake Playground Achilles/Trunk		WT 00266
	Area 2 - Rattlesnake Playground Sit and Reach		WT 00280
	Area 2 - Rattlesnake Playground Leg Stretch		WT 00130
	Area 2 - Rattlesnake Playground Stretch Bar		WT 00230
	Area 2 - Rattlesnake Playground Vault Bar		WT 00250
	Area 2 - Rattlesnake Playground Sit-Up Bench		WT 00200
	Area 2 - Rattlesnake Playground Push-Up		WT 00220
	Area 2 - Rattlesnake Playground Chin-Up		WT 00240
	Area 2 - Rattlesnake Playground Knee-Lift		WT 00140
	Area 2 - Rattlesnake Playground Body Curl		WT 00150
	Area 2 - Rattlesnake Playground Log Hop		WT 00170
	Area 2 - Rattlesnake Playground Bench Dip		WT 00210
	Area 2 - Rattlesnake Playground Bench Curl	WT 00150	

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
10	Area 2 - Rattlesnake Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	SPORTSPRAY	571-108-POSTS 572-954-NET
11	Installation of all items (9 & 10) for Area 2 - Rattlesnake Playground.	PLAYGROUND SPECIALISTS	N/A
12	Area 3 - Upper Pines Playground PrimeTime swing, Item #12583, or equal. days of purchase order award.	PLAY WORLD SYSTEMS	0288
13	Area 3 - Upper Pines Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0260
14	Area 3 - Upper Pines Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375
15	Area 3 - Upper Pines Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265
16	Area 3 - Upper Pines Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1410
17	Area 3 - Upper Pines Playground GameTime freestanding wave zip slide, Item #16385, or equal.		CH2697

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
18	Area 3 - Upper Pines Playground GameTime cantilevered post with 48' extension, Item #460, or equal.	SPORTSPRAY	541-616
19	Area 3 - Upper Pines Playground GameTime aluminum backgard, Item #854, or equal, Item #460, or equal.	↓	↓
20	Area 3 - Upper Pines Playground GameTime super goal with steel net, Item #423, or equal.		
21	Area 3 - Upper Pines Playground GameTime buck-a- bolt cool spring, Item #200, or equal.		
22	Area 3 - Upper Pines Playground GameTime aluminum saddle seat, Item #2313, or equal.	PLAYWORLD SYSTEMS	INCLUDED IN ITEM # 21
23	Area 3 - Upper Pines Playground GameTime space arch, item #6510, or equal.	PLAYWORLD SYSTEMS	0401
24	Installation of all items (12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 & 23) for the Area 3 - Upper Pines Playground.	PLAYGROUND SPECIALISTS	N/A
25	Area 4 - Swimming Pool Playground PrimeTime swing, Item #12583, or equal.	PLAYWORLD SYSTEMS	0288
26	Area 4 - Swimming Pool Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	PLAYWORLD SYSTEMS	0260

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
27	Area 4 - Swimming Pool Playground PrimeTime swing add-a-bay, Item #12584, or equal.	PLAYWORLD SYSTEMS	0275
28	Area 4 - Swimming Pool Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265
29	Area 4 - Swimming Pool Playground GameTime FS spiral slide, Item #81733, or equal.		CH 3556
30	Area 4 - Swimming Pool Playground GameTime rumble and roll zip slide, Item #18389, or equal.		PS 1509-1
31	Area 4 - Swimming Pool Playground GameTime wave climber , Item # 12735, or equal.		
32	Area 4 - Swimming Pool Playground GameTime access attachment, Item # 18273, or equal.		
33	Area 4 - Swimming Pool Playground GameTime transfer point, Item #18254, or equal.		
34	Area 4 - Swimming Pool Playground GameTime crunch bar, Item # 13540, or equal.		
35	Area 4 - Swimming Pool Playground GameTime clover leaf climber , Item #12811 , or equal.		
36	Area 4 - Swimming Pool Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	✓	✓

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model	
37	Area 4 - Swimming Pool Playground GameTime rectangle deck, Model #18202, or equal.	PLAYWORLD SYSTEMS	PS1509-1	
38	Area 4 - Swimming Pool Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.	↓	1400	
39	Area 4 - Swimming Pool Playground GameTime dome climber, Item #655, or equal.		PD 1851	
40	Installation of all items(25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 & 39) for the Area 4 - Swimming Pool Playground.		PLAYGROUND SPECIALISTS	N/A
41	Area 6 - Dunlop Hollow Playground PrimeTime swing, Item #12583, or equal.	PLAYWORLD SYSTEMS	0288	
42	Area 6 - Dunlop Hollow Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0260	
43	Area 6 - Dunlop Hollow Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375	
44	Area 6 - Dunlop Hollow Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265	
45	Area 6 - Dunlop Hollow Playground GameTime freestanding wave zip slide, Item #18395, or equal.		↓	CH2697

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
46	Area 6 - Dunlop Hollow Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	SPORTSPRAY	571-108 - POSTS 572-954 - NET
47	Area 6 - Dunlop Hollow Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	PLAYWORLD SYSTEMS	1410
48	Area 6 - Dunlop Hollow Playground GameTime space arch, item #6510, or equal.	PLAYWORLD SYSTEMS	0401
49	Installation of all items (41, 42, 43, 44, 45,46, 47, & 48) for the Area 6 - Dunlop Hollow Playground.	PLAYGROUND SPECIALISTS	N/A
50	Area 7 - Upper Campground Playground PrimeTime swing, Item #12583, or equal.	PLAYWORLD SYSTEMS	0288
51	Area 7 - Upper Campground Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0260
52	Area 7 - Upper Campground Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375
53	Area 7 - Upper Campground Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
54	Area 7 - Upper Campground Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.	Playworld SYSTEMS	1410
55	Area 7 - Upper Campground Playground GameTime freestanding wave zip slide, Item #18395, or equal.	↓	CH2697
56	Area 7 - Upper Campground Playground GameTime dome climber, Item #655, or equal.		PD1851
57	Installation of all items (50, 51, 52, 53, 54, 55, & 56) for the Area 7 - Upper Campground Playground.		PLAYGROUND SPECIALISTS
58	Area 8 - Lower Campground Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	PLAYWORLD SYSTEMS	P51909-1
59	Area 8 - Lower Campground Playground GameTime rectangle deck, Model #18202, or equal.	↓	↓
60	Area 8 - Lower Campground Playground GameTime rumble and roll zip slide, Item #18389, or equal.		
61	Area 8 - Lower Campground Playground GameTime wave climber, Item # 12735, or equal.		
62	Area 8 - Lower Campground Playground GameTime access attachment, Item # 18273, or equal.		

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
63	Area 8 - Lower Campground Playground GameTime transfer point, Item #18254, or equal.	PLAY WORLDS SYSTEMS	P51909-1
64	Area 8 - Lower Campground Playground GameTime Crunch bar, Item # 13540, or equal.	↓	↓
65	Area 8 - Lower Campground Playground GameTime clover leaf climber, Item #12811, or equal.		
66	Area 8 - Lower Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		
67	Installation of all items (58, 59, 60, 61, 62, 63, 64, 65, & 66) for the Area 8 - Lower Campground Playground.		
68	Area 9 - Shelters 3 & 4 Playground PrimeTime swing, Item #12583, or equal.	PLAY WORLDS SYSTEMS	0288
69	Area 9 - Shelters 3 & 4 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0260
70	Area 9 - Shelters 3 & 4 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375
71	Area 9 - Shelters 3 & 4 Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.		0265

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
72	Area 9 - Shelters 3 & 4 Playground GameTime freestanding wave zip slide, Item #18395, or equal.	PLAYWORLD SYSTEMS	CH 2738
73	Area 9 - Shelters 3 & 4 GameTime painted rainbow climber, Item #P910, or equal.	↓	0402
74	Area 9 - Shelters 3 & 4 Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1410
75	Installation of all items (68, 69,70, 71, 72, 73 & 74) for the Area 9 - Shelters 3 & 4 Playground .		PLAYGROUND SPECIALISTS
76	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	PLAYWORLD SYSTEMS	PS1509-1
77	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rectangle deck, Model #18202, or equal.	↓	↓
78	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rumble and roll zip slide, Item #18389, or equal.		
79	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime wave climber , Item # 12735, or equal.		
80	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime access attachment, Item # 18273, or equal.		

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
81	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime transfer point, Item #18254, or equal.	PLAYWORLD SYSTEMS	P51509-1
82	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime crunch bar, Item # 13540, or equal.	↓	↓
83	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime clover leaf climber, Item #12811, or equal.		
84	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.		
85	Installation of all Items (76, 77, 78, 79, 80, 81, 82, 83 & 84) for the Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground.	PLAYGROUND SPECIALISTS	N/A
86	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	SPORTS PLAY	571-108 POSTS 572-954 NET
87	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	PLAYWORLD SYSTEMS	1410
88	Installation of all items (86 & 87) for the Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground.	PLAYGROUND SPECIALISTS	

Kanawha State Forest

PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
89	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing, Item #12583, or equal.	PLAYGROUND SYSTEMS	0288
90	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	↓	0260
91	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime swing add-a-bay, Item #12584, or equal.		0375
92	Area 10 -Shelters 5, 6 & 7 Playground PrimeTime enclosed tot seat package 3 1/2 OD, Item #8696, or equal.		0265
93	Area 10 -Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in- ground (P/S), Item #28009, or equal.		1410
94	Area 10 -Shelters 5, 6 & 7 Playground GameTime space arch, item #6510, or equal.	↓	0401
95	Installation of all items (89, 90, 91, 92, 93 & 94) for the Area 10 -Shelters 5, 6 & 7 Playground.	PLAYGROUND SPECIALISTS	N/A
96	Items For all Eleven Playgrounds geo-textile fabric, 2,250 sq. ft., roll or equal.	ZIEGLER BROTHERS	DL-6
97	Items For All Eleven Playgrounds engineered wood fiber @ 8 inch compacted depth.	ZIEGLER BROTHERS	WOOD CONTACT

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PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Model
98	Items For All Eleven Playgrounds 4 inch x 8 inch wood border or equal.	GIE FRISED	N/A
99	Installation of all items (96, 97 & 98) for all eleven playgrounds.	PLAYGROUND SPECIALISTS	N/A

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Area 1 - Dam Playground PrimeTime swing, Item #12583, or equal.	780.00	780.00
2	2	Area 1 - Dam Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57.00	114.00
3	1	Area 1- Dam Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499.00	499.00
4	2	Area 1 - Dam Playground PrimeTime tot seat package 3 1/2 inch OD, Item #8696, or equal.	114.00	228.00
5	1	Area 1 - Dam Playground GameTime freestanding wave zip slide, Item #18395, or equal.	2400.00	2400.00
6	1	Area 1 - Dam Playground GameTime tuffclad 6' bench with back in-ground (PS), Item #28009, or equal.	295.00	295.00
7	1	Area 1 - Dam Playground GameTime dome climber, Item#655, or equal.	725.00	725.00
8	1	Installation of all items (1, 2, 3, 4, 5, 6, & 7) for the Area 1 - Dam Playground.	2010.00	2010.00
9	1	Area 2 - Rattlesnake Playground GameTime parcours fitcenter, Item #13200, or equal.	7400.00	7400.00
10	1	Area 2 - Rattlesnake Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	495.00	495.00

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
11	1	Installation of all items (9 & 10) for Area 2 Rattlesnake Playground. Prevailing heavy wage rates must be paid for Kanawha County, West Virginia (http://www.wvsos.com/adlaw/wagerates/heavyhighways09.htm). Installation must be complete within ninety (90) days of purchase order award.	3875 ⁰⁰	3875 ⁰⁰
12	1	Area 3 - Upper Pines Playground PrimeTime swing, Item #12583, or equal.	780 ⁰⁰	780 ⁰⁰
13	2	Area 3 - Upper Pines Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57.00	114.00
14	1	Area 3 - Upper Pines Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
15	2	Area 3 - Upper Pines Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰
16	1	Area 3 - Upper Pines Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
17	1	Area 3 - Upper Pines Playground GameTime freestanding wave zip slide, Item #16385, or equal.	2400 ⁰⁰	2400 ⁰⁰
18	2	Area 3 - Upper Pines Playground GameTime cantilevered post with 48' extension, Item #460, or equal.	887 ⁰⁰	887 ⁰⁰
19	2	Area 3 - Upper Pines Playground GameTime aluminum backgard, Item #854, or equal., Item #460, or equal.	INCLUDED IN ITEM # 18	

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
20	2	Area 3 - Upper Pines Playground GameTime super goal with steel net, Item #423, or equal.	INCLUDED IN ITEM # 18	
21	1	Area 3 - Upper Pines Playground GameTime buck-a-bolt cool spring, Item #200, or equal.	1995.70	1995.70
22	4	Area 3 - Upper Pines Playground GameTime aluminum saddle seat, Item #2313, or equal.	INCLUDED IN ITEM # 22	
23	1	Area 3 - Upper Pines Playground GameTime space arch, item #6510, or equal.	1625 ⁰⁰	1625 ⁰⁰
24	1	Installation of all items (12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 & 23) for the Area 3 - Upper Pines Playground.	3010 ⁰⁰	3010 ⁰⁰
25	1	Area 4 - Swimming Pool Playground PrimeTime swing, Item #12583, or equal.	780 ⁰⁰	780 ⁰⁰
26	2	Area 4 - Swimming Pool Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57 ⁰⁰	114 ⁰⁰
27	1	Area 4 - Swimming Pool Playground PrimeTime swing add-a- bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
28	2	Area 4 - Swimming Pool Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰
29	1	Area 4 - Swimming Pool Playground GameTime FS spiral slide, Item #81733, or equal.	3700 ⁰⁰	3700 ⁰⁰
30	1	Area 4 - Swimming Pool Playground GameTime rumble and roll zip slide, Item #18389, or equal.	INCLUDED IN ITEM # 31	

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount		
31	1	Area 4 - Swimming Pool Playground GameTime wave climber , Item # 12735, or equal.	4158 ⁰⁰	4158 ⁰⁰		
32	1	Area 4 - Swimming Pool Playground GameTime access attachment, Item # 18273, or equal.	↓	↓		
33	1	Area 4 - Swimming Pool Playground GameTime transfer point, Item #18254, or equal.				
34	1	Area 4 - Swimming Pool Playground GameTime crunch bar, Item # 13540, or equal.				
35	1	Area 4 - Swimming Pool Playground GameTime clover leaf climber, Item #12811 , or equal.				
36	1	Area 4 - Swimming Pool Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.				
37	1	Area 4 - Swimming Pool Playground GameTime rectangle deck, Model #18202, or equal.				
38	1	Area 4 - Swimming Pool Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.				
39	1	Area 4 - Swimming Pool Playground GameTime dome climber, Item #655, or equal.				
40	1	Installation of all items(25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 & 39) for the Area 4 - Swimming Pool Playground.			3600 ⁰⁰	3600 ⁰⁰
41	1	Area 6 - Dunlop Hollow Playground PrimeTime swing, Item #12583, or equal.			780 ⁰⁰	780 ⁰⁰

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
42	2	Area 6 - Dunlop Hollow Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57 ⁰⁰	114 ⁰⁰
43	1	Area 6 - Dunlop Hollow Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
44	2	Area 6 - Dunlop Hollow Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰
45	1	Area 6 - Dunlop Hollow Playground GameTime freestanding wave zip slide, Item #18395, or equal.	2400 ⁰⁰	2400 ⁰⁰
46	1	Area 6 - Dunlop Hollow Playground Deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	495 ⁰⁰	495 ⁰⁰
47	1	Area 6 - Dunlop Hollow Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
48	1	Area 6 - Dunlop Hollow Playground GameTime space arch, item #6510, or equal.	1625 ⁰⁰	1625 ⁰⁰
49	1	Installation of all items (41, 42, 43, 44, 45,46, 47, & 48) for the Area 6 - Dunlop Hollow Playground.	2435 ⁰⁰	2435 ⁰⁰
50	1	Area 7 - Upper Campground Playground PrimeTime swing, Item #12583, or equal.	780 ⁰⁰	780 ⁰⁰
51	2	Area 7 - Upper Campground Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57 ⁰⁰	114 ⁰⁰

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
52	1	Area 7 - Upper Campground Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
53	2	Area 7 - Upper Campground Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰
54	1	Area 7 - Upper Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
55	1	Area 7 - Upper Campground Playground GameTime freestanding wave zip slide, Item #18395, or equal.	\$ 2400 ⁰⁰	2400 ⁰⁰
56	1	Area 7 - Upper Campground Playground GameTime dome climber, Item #655, or equal.	725 ⁰⁰	725 ⁰⁰
57	1	Installation of all items (50, 51, 52, 53, 54, 55, & 56) for the Area 7 - Upper Campground Playground.	2200 ⁰⁰	2200 ⁰⁰
58	1	Area 8 - Lower Campground Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	4158 ⁰⁰	4158 ⁰⁰
59	1	Area 8 - Lower Campground Playground GameTime rectangle deck, Model #18202, or equal.	↓	↓
60	1	Area 8 - Lower Campground Playground GameTime rumble and roll zip slide, Item #18389, or equal.		
61	1	Area 8 - Lower Campground Playground GameTime wave climber , Item # 12735, or equal.		
62	1	Area 8 - Lower Campground Playground GameTime access attachment, Item # 18273, or equal.		

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
63	1	Area 8 - Lower Campground Playground GameTime transfer point, Item #18254, or equal.	12000 ⁰⁰ 10	12000 ⁰⁰ 11000 ⁰⁰ 58
64	1	Area 8 - Lower Campground Playground GameTime Crunch bar, Item # 13540, or equal.		
65	1	Area 8 - Lower Campground Playground GameTime clover leaf climber, Item #12811, or equal.		
66	1	Area 8 - Lower Campground Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
67	1	Installation of all items (58, 59, 60, 61, 62, 63, 64, 65, & 66) for the Area 8 - Lower Campground Playground.	2260 ⁰⁰	2260 ⁰⁰
68	1	Area 9 - Shelters 3 & 4 Playground PrimeTime swing, Item #12583, or equal.	780 ⁰⁰	780 ⁰⁰
69	2	Area 9 - Shelters 3 & 4 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57 ⁰⁰	114 ⁰⁰
70	1	Area 9 - Shelters 3 & 4 Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
71	2	Area 9 - Shelters 3 & 4 Playground PrimeTime enclosed tot seat package 3 1/2 inch OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰
72	1	Area 9 - Shelters 3 & 4 Playground GameTime freestanding wave zip slide, Item #18395, or equal.	2400 ⁰⁰	2400 ⁰⁰
73	1	Area 9 - Shelters 3 & 4 GameTime painted rainbow climber, Item #P910, or equal.	5900 ⁰⁰	5900 ⁰⁰

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
74	1	Area 9 - Shelters 3 & 4 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
75	1	Installation of all items (68, 69,70, 71, 72, 73 & 74) for the Area 9 - Shelters 3 & 4 Playground .	1350 ⁰⁰	1350 ⁰⁰
76	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime 3 1/2 inch upright, Model # 12024, or equal.	4158 ⁰⁰	4158 ⁰⁰
77	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime rectangle deck, Model #18202, or equal.		
78	1	Area 9 - Between Shelters 3 & 4 AND 5, 6 & 7 Playground GameTime rumble and roll zip slide, Item #18389, or equal.		
79	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime wave climber , Item # 12735, or equal.		
80	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime access attachment, Item # 18273, or equal.		
81	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime transfer point, Item #18254, or equal.		
82	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime crunch bar, Item # 13540, or equal.		
83	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime clover leaf climber, Item #12811 , or equal.		

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
84	1	Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
85	1	Installation of all Items (76, 77, 78, 79, 80, 81, 82, 83 & 84) for the Area 9 - Between Shelters 3 & 4 and 5, 6 & 7 Playground.	2260 ⁰⁰	2260 ⁰⁰
86	1	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime deluxe volleyball net and permanent volleyball posts, Item #739, or equal.	495 ⁰⁰	495 ⁰⁰
87	1	Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
88	1	Installation of all items (86 & 87) for the Area 10 - (Volleyball) Shelters 5, 6 & 7 Playground.	750 ⁰⁰	750 ⁰⁰
89	1	Area 10 - Shelters 5, 6 & 7 Playground PrimeTime swing, Item #12583, or equal.	780 ⁰⁰	780 ⁰⁰
90	2	Area 10 - Shelters 5, 6 & 7 Playground PrimeTime swing belt seat package 3 1/2 inch OD, item #8910, or equal.	57 ⁰⁰	114 ⁰⁰
91	1	Area 10 - Shelters 5, 6 & 7 Playground PrimeTime swing add-a-bay, Item #12584, or equal.	499 ⁰⁰	499 ⁰⁰
92	2	Area 10 - Shelters 5, 6 & 7 Playground PrimeTime enclosed tot seat package 3 1/2 OD, Item #8696, or equal.	114 ⁰⁰	228 ⁰⁰

Kanawha State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
93	1	Area 10 -Shelters 5, 6 & 7 Playground GameTime tuffclad 6' bench with back in-ground (P/S), Item #28009, or equal.	295 ⁰⁰	295 ⁰⁰
94	1	Area 10 -Shelters 5, 6 & 7 Playground GameTime space arch, item #6510, or equal.	1625 ⁰⁰	1625 ⁰⁰
95	1	Installation of all items (89, 90, 91, 92, 93 & 94) for the Area 10 - Shelters 5, 6 & 7 Playground.	1495 ⁰⁰	1495 ⁰⁰
96	9	Items For all Eleven Playgrounds geo-textile fabric, 2,250 sq. ft. roll or equal.	4275 ⁰⁰	4275 ⁰⁰
97	20,000 square feet	Items For All Eleven Playgrounds engineered wood fiber @ 8 inch compacted depth.	12602 ⁰⁰	12602 ⁰⁰
98	1,500 feet	Items For All Eleven Playgrounds 4 inch x 8 inch wood border or equal.	\$ 7125 ⁰⁰	\$ 7125 ⁰⁰
99	1	Installation of all items (96, 97 & 98) for the eleven playgrounds.	22245 ⁰⁰	22245 ⁰⁰
TOTALS				

PER ADDENDUM #1

REMOVE OLD
EQUIPMENT

- \$2880⁰⁰

Total - 135,230.70

Swing Spices for All Areas Required



Product Specifications

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3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL

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)

3.5 in. Swing Arch Top Rail

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

Post Arch - steel (11 ga / 4in od)

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 11 gauge galvanized steel tubing (arch), 4 in. outside diameter, 8 gauge galvanized steel tubing (sleeve), and 1006 cold rolled steel. (See Tubing) Finished with powder coating. (See Polyester Powder Coat Finish)

Steel Tubing - 3.5 in. OD, 11ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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

ZZXX0288

photo
not
available

* See Note

Component Number:	ZZXX0288
Specification Rev:	ECN1620
Component Weight:	293.51 Lbs.
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	82.34 Lbs.
CO2e Footprint:	845.84 Kgs.

* 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

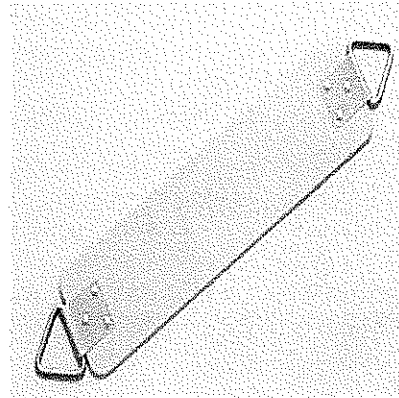
Chain - 4/0 - galvanized

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

Component Number:	ZZXX0260
Specification Rev:	ECN1836
Component Weight:	8.37 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	3.64 Lbs.
CO2e Footprint:	70.32 Kgs.

* 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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3-1/2in OD STEEL ARCH SWING 2-UNIT ADD-A-BAY ZZXX0375

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)

3.5 in. Swing Arch Top Rail

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

Post Arch - steel (11 ga / 4in od)

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 11 gauge galvanized steel tubing (arch), 4 in. outside diameter, 8 gauge galvanized steel tubing (sleeve), and 1006 cold rolled steel. (See Tubing) Finished with powder coating. (See Polyester Powder Coat Finish)

Steel Tubing - 3.5 in. OD, 11ga.

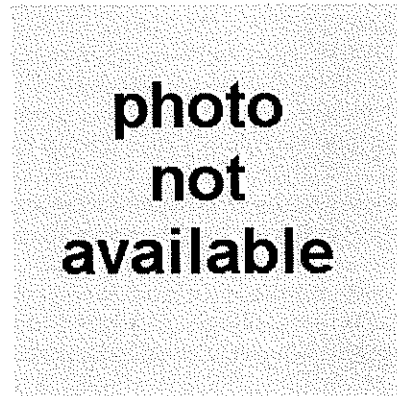
Tensile strength shall be 48,000 psi. Yield strength shall be 45,000 psi.

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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



* See Note

Component Number:	ZZXX0375
Specification Rev:	ECN1620
Component Weight:	179.11 Lbs.
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	48.02 Lbs.
CO2e Footprint:	539.46 Kgs.

* 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

Component Number:	ZZXX0265
Specification Rev:	ECN1836
Component Weight:	11.31 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	2.72 Lbs.
CO2e Footprint:	126.00 Kgs.

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DAM, UPPER PILES, DUNLOP HOLLOW, SPRING CAMP GROUND



Product Specifications

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FREE-STANDING GLIDE SLIDE (72in DECK)

Slide Guardrail - freestanding

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)

Connector / Adapter - 535 Almag

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)

Barrier Gate - Round Tube -Upper (7 Gauge Tab)

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat 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)

Tie Rod - 14 g. 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)

Gasket

Shall be mounted between slide and deck. Shall be made from .375 in. thick neoprene. Shall have an approximate density of 11-13 p.c.f. Shall have a minimum tensile strength of 70 p.s.i. Shall have a maximum water absorption of 5% by weight.

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,

Stair / Ladder Footing Leg

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing. (See Tubing.) Finished with a polyester powder coating. (See SuperDurable Polyester Powder Coat Finish).

Glide Slide

Shall be rotationally molded from Exxon CP-812 polyethylene. (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

ZZCH2697



* See Note

Component Number:	ZZCH2697
Specification Rev:	ECN1508
Component Weight:	452.63 Lbs.
Number of Users:	5
Amount of Concrete:	0.33 Yds.
Pre-Consumer Recycle:	8.38 Lbs.
Post-Consumer Recycle:	90.58 Lbs.
CO2e Footprint:	1,572.80 Kgs.

3.5 in. Support Post with End Cap

Shall be fabricated of 3.5 in. Outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Shall have a factory installed 319 type aluminum alloy end cap secured with drive rivets. 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.

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Product Specifications

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6ft PERMANENT BENCH (COATED PLANKS & FRAME)

Bench Frame - Coated

Shall be an all welded assembly consisting of 2.375 in. outside diameter, 12 gauge hot rolled, pickled and oiled steel tubing and 12 gauge hot rolled, pickled and oiled steel plate. Finished with a protective coating. (See Coated Finish)

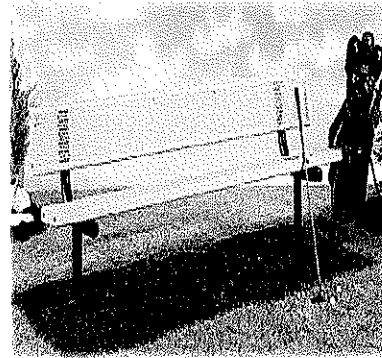
Coated Perf. Bench Plank - .5" holes

Bench planks shall be an all-welded assembly fabricated of 14 gauge hot rolled, pickled and oiled flat steel. Bench planks surface and sides shall be die-formed from a single sheet of 14 gauge hot rolled, pickled and oiled flat steel. Bench planks surface shall have .5 in. (13 mm) diameter perforated holes. Bench planks shall have a protective coating. (See Coated Finish)

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZXX1410



* See Note

Component Number:	ZZXX1410
Specification Rev:	ECN1048
Component Weight:	85.49 Lbs.
Amount of Concrete:	0.16 Yds.
Pre-Consumer Recycle:	3.50 Lbs.
Post-Consumer Recycle:	23.35 Lbs.
CO2e Footprint:	181.36 Kgs.

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Product Specifications

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GEODOME CLIMBER

Rung

Shall be fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing with crimped-in threaded inserts. Finished with a baked-on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

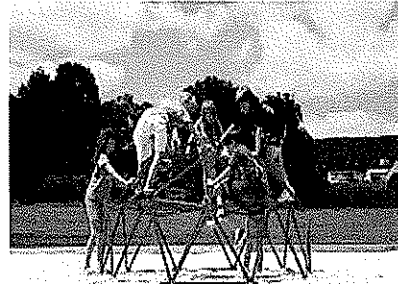
Anchor Strap

Shall be fabricated from one piece of .125 in. hot rolled flat steel. Shall be zinc plated before finish is applied. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / 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.

ZZPD1851



* See Note

Component Number:	ZZPD1851
Specification Rev:	ECN233
Component Weight:	122.12 Lbs.
Number of Users:	7
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	0.19 Lbs.
Post-Consumer Recycle:	35.95 Lbs.
CO2e Footprint:	422.25 Kgs.

* 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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STEEL EXERCISE COURSE ACHILLIES STRETCH

ZZWT00260

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 2.375 in. OD, 12 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.



* See Note

Component Number:	ZZWT00260
Specification Rev:	ECN1723
Component Weight:	80.22 Lbs.
Number of Users:	1
Amount of Concrete:	0.19 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	23.40 Lbs.
CO2e Footprint:	243.11 Kgs.

* 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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STEEL EXERCISE COURSE CLIMBING WALL

Climbing Wall

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 2.375 in. outside diameter, 12 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / 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.

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 2.375 in. OD, 12 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZWT00280



* See Note

Component Number:	ZZWT00280
Specification Rev:	ECN1723
Component Weight:	110.37 Lbs.
Number of Users:	1
Amount of Concrete:	0.32 Yds.
Pre-Consumer Recycle:	0.96 Lbs.
Post-Consumer Recycle:	32.91 Lbs.
CO2e Footprint:	331.68 Kgs.

* 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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STEEL EXERCISE COURSE STEP-UP

2.375 in. Support Post

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

WT Step-up / Leg Stretch Post

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

Step-up Disc / Seat Disc

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.

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warrantied for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZWT00130



* See Note

Component Number:	ZZWT00130
Specification Rev:	ECN1723
Component Weight:	110.70 Lbs.
Number of Users:	1
Amount of Concrete:	0.28 Yds.
Pre-Consumer Recycle:	5.42 Lbs.
Post-Consumer Recycle:	35.19 Lbs.
CO2e Footprint:	383.27 Kgs.

Crown/Post/End Cap (23 ksi)

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 23 ksi. Yield strength shall be 13 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.

* 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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STEEL EXERCISE COURSE JUMP- N-TOUCH

Jump Touch Bar w/ Band

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

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

3.5 in. Cast Clamp Band

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

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZWT00230



* See Note

Component Number:	ZZWT00230
Specification Rev:	ECN1723
Component Weight:	165.86 Lbs.
Number of Users:	1
Amount of Concrete:	0.32 Yds.
Pre-Consumer Recycle:	1.02 Lbs.
Post-Consumer Recycle:	49.49 Lbs.
CO2e Footprint:	438.72 Kgs.

Steel Tubing - 2.375 in. OD, 12 ga.

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

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Product Specifications

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STEEL EXERCISE COURSE VAULT BAR

Vault Bar

Shall be fabricated of 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)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZWT00250



* See Note

Component Number:	ZZWT00250
Specification Rev:	ECN1723
Component Weight:	86.03 Lbs.
Number of Users:	1
Amount of Concrete:	0.32 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	25.14 Lbs.
CO2e Footprint:	265.98 Kgs.

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Product Specifications

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STEEL EXERCISE COURSE SIT-UP

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)

Body Curl / Sit Up Frame- 1.315 in. O.D.

Shall be 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)

Anchor Leg - 1.315 in. O.D.

Shall be 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)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warrantied for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZWT00200



* See Note

Component Number:	ZZWT00200
Specification Rev:	ECN1723
Component Weight:	144.72 Lbs.
Number of Users:	1
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	5.96 Lbs.
Post-Consumer Recycle:	39.18 Lbs.
CO2e Footprint:	413.65 Kgs.

Steel Tubing - 2.375 in. OD, 12 ga.

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

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Product Specifications

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STEEL EXERCISE COURSE PUSH-UP

Steel Tubing - 2.375 in. OD, 12 ga.

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

Push-Up Bar

Shall be constructed of 1.66 in. outside diameter x 13 gauge galvanized steel tubing. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

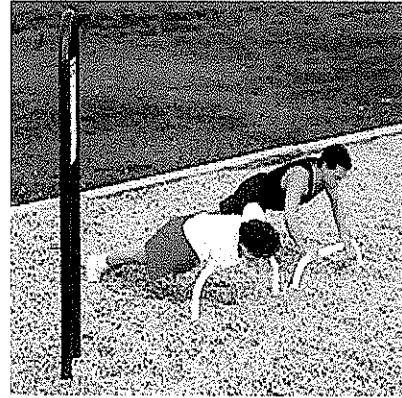
Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warrantied for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 1.66 in. OD, 13 ga.

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

ZZWT00220



* See Note

Component Number:	ZZWT00220
Specification Rev:	ECN1723
Component Weight:	68.81 Lbs.
Number of Users:	2
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	19.97 Lbs.
CO2e Footprint:	217.47 Kgs.

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Product Specifications

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STEEL EXERCISE COURSE CHIN-UP

Chinning / Turning Bar w/ 3.5 in. Clamp Band

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and .25 inch thick hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

3.5 in. Cast Clamp Band

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

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warrantied for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZWT00240



* See Note

Component Number:	ZZWT00240
Specification Rev:	ECN1723
Component Weight:	179.09 Lbs.
Number of Users:	2
Amount of Concrete:	0.45 Yds.
Pre-Consumer Recycle:	1.60 Lbs.
Post-Consumer Recycle:	53.75 Lbs.
CO2e Footprint:	511.46 Kgs.

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Product Specifications

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STEEL EXERCISE COURSE LEG LIFT

3.5 in. Support Post with End Cap

Shall be fabricated of 3.5 in. Outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Shall have a factory installed 319 type aluminum alloy end cap secured with drive rivets. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Leg Lift Handle

Shall be an all welded assembly of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and .25 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)

3.5 in. Cast Clamp Band

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

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

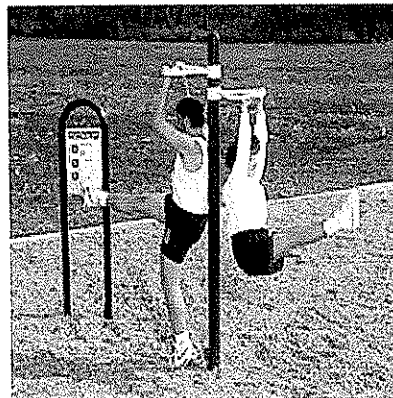
Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZWT00140



* See Note

Component Number:	ZZWT00140
Specification Rev:	ECN1723
Component Weight:	101.82 Lbs.
Number of Users:	1
Amount of Concrete:	0.19 Yds.
Pre-Consumer Recycle:	1.02 Lbs.
Post-Consumer Recycle:	30.28 Lbs.
CO2e Footprint:	322.85 Kgs.

Steel Tubing - 3.5 in. OD, 13 ga.

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

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Product Specifications

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STEEL EXERCISE COURSE BODY CURL

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)

Body Curl / Sit Up Frame- 1.315 in. O.D.

Shall be 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)

Anchor Leg - 1.315 in. O.D.

Shall be 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)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

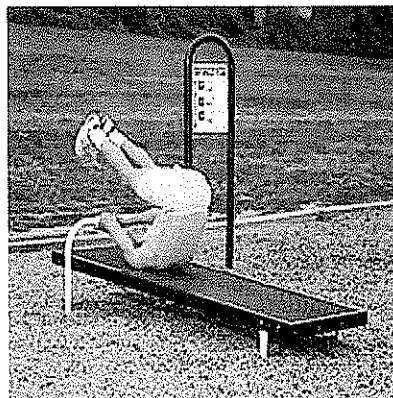
Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZWT00150



* See Note

Component Number:	ZZWT00150
Specification Rev:	ECN1723
Component Weight:	145.72 Lbs.
Number of Users:	1
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	5.96 Lbs.
Post-Consumer Recycle:	39.48 Lbs.
CO2e Footprint:	413.65 Kgs.

Steel Tubing - 2.375 in. OD, 12 ga.

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

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Product Specifications

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STEEL EXERCISE COURSE BEAM JUMP

Beam Jump with Post Caps

Shall be an all welded assembly fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing and 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Shall have factory installed end cap secured with a drive rivet. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 2.375 in. OD, 12 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.

ZZWT00170



* See Note

Component Number:	ZZWT00170
Specification Rev:	ECN1723
Component Weight:	117.13 Lbs.
Number of Users:	2
Amount of Concrete:	0.24 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	34.47 Lbs.
CO2e Footprint:	342.83 Kgs.

* 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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STEEL EXERCISE COURSE HIP ROTATION

WT Hip Rotation Post

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and 2.375 in. outside diameter, 12 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / 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.

Post Support

Shall be fabricated of 1.029 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)

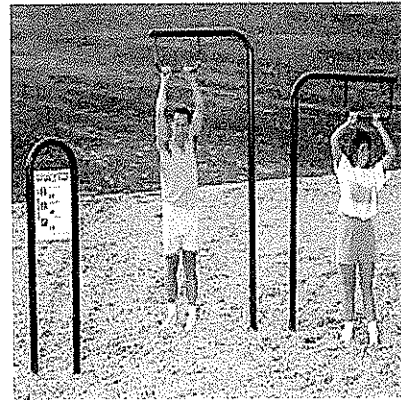
Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

ZZWT00210



* See Note

Component Number:	ZZWT00210
Specification Rev:	ECN1723
Component Weight:	122.63 Lbs.
Number of Users:	1
Amount of Concrete:	0.32 Yds.
Pre-Consumer Recycle:	0.96 Lbs.
Post-Consumer Recycle:	36.55 Lbs.
CO2e Footprint:	361.78 Kgs.

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 2.375 in. OD, 12 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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STEEL EXERCISE COURSE BODY CURL

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)

Body Curl / Sit Up Frame- 1.315 in. O.D.

Shall be 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)

Anchor Leg - 1.315 in. O.D.

Shall be 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)

Sign Frame - WT

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled 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)

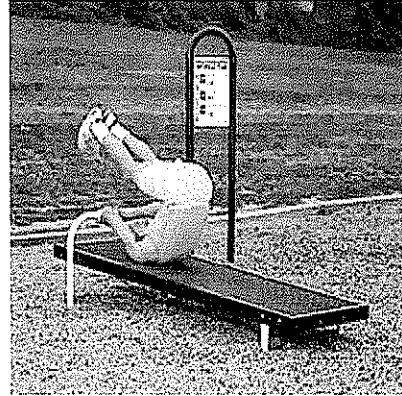
Fiberglass - Sign/Panel

Sign is a solid one-piece panel with all copy and graphics embedded in the panel. Panel is manufactured out of fiberglass-reinforced plastic or equivalent with a non-yellowing, R-70 clear resin (or UV stabilized, acrylic-modified polyester resin) reinforced with high solubility, chopped strand fiberglass mat so that the index of refraction ensures total clarity of color, copy and graphics. Glass fibers will not be readily discernible on face. Material will have a glass content of no less than 28% of the total weight. Material will have an ambient temperature range of -65 to 350 degrees F. Material will have a min. barcol hardness of 50, tensile strength of 12,000 PSI, compressive strength of 20,000 PSI, and a flexural strength of 18,000 PSI. Minimum impact of the material is 6 ft. LBS. / in. Notch with a fire resistance of 500 degrees F. Material will not be permanently defaced by steam, acids, aromatics, scratching, inks, or paints and will be readily wiped clean with paint remover and solvents without affecting the appearance or legibility of the sign finish or graphics. Material will be opaque or translucent with a semi-gloss or matte finish. Panel edges will not be crazed or cracked, and the edge finish will be smooth, clean, and neat. Panel will be absolutely flat. Material will be warranted for a period of 10 years against chipping, delaminating, and fading.

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZWT00150



* See Note

Component Number:	ZZWT00150
Specification Rev:	ECN1723
Component Weight:	145.72 Lbs.
Number of Users:	1
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	5.96 Lbs.
Post-Consumer Recycle:	39.48 Lbs.
CO2e Footprint:	413.65 Kgs.

Steel Tubing - 2.375 in. OD, 12 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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FREE-STANDING ONE PIECE 360 DEGREE PLASTIC SPIRAL SLIDE

Slide Barrier - FS - 14 Ga.

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing; 11 gauge x 3 in. galvanized hot rolled pickled and oiled flat steel, and 14 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Slide Gate - FS

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1 in. x 2 in. 14 gauge rectangular steel tubing, and 11 gauge hot rolled sheet steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Exit Support Post - 3.5 in. w/plate

Shall be an all welded assembly fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing; .25 in. hot rolled flat steel and 11 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Support Post - Spiral Slide

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing, and .75 in. hot rolled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

3.5 in. Support Post with End Cap

Shall be fabricated of 3.5 in. Outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Shall have a factory installed 319 type aluminum alloy end cap secured with drive rivets. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Handrail

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)

Handrail Footing Leg

Shall be an all welded assembly fabricated of 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)

Spacer / Connector - 319 aluminum*

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

ZZCH3556



* See Note

Component Number:	ZZCH3556
Specification Rev:	ECN1511
Component Weight:	1,111.75 Lbs.
Number of Users:	6
Amount of Concrete:	0.56 Yds.
Pre-Consumer Recycle:	10.31 Lbs.
Post-Consumer Recycle:	132.11 Lbs.
CO2e Footprint:	2,530.71 Kgs.

micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

Plastic Spiral Slide & Canopy

Shall be rotationally-molded from color-compounded, first quality, linear low density, Exxon CP-812 polyethylene. Dry-blended or molded-in resins are not acceptable. Shall be ultraviolet (UV) stabilized to UV-8 and have anti-static additives. Cross-sectional design shall be .25 in. (6 mm) nominal thickness, double wall construction with molded-in longitudinal ribs and textured outside surfaces. Spiral slide shall have a minimum side rail height of 15.5 in. (394 mm). Shall have a canopy designed to channel the user into a sitting position for slide entry. Entrance platform design that allows full view of users at the slide exit region. (See Rotationally Molded Plastic Parts)

Coated Perf. Ladder - sm holes

Shall be an all welded assembly fabricated of 11 gauge hot rolled, pickled and oiled flat steel and 14 gauge hot rolled, pickled, and oiled flat steel. Ladder treads and risers shall be die-formed from a single sheet of 14 gauge hot rolled, pickled, and oiled flat steel. Ladder shall be reinforced with stringers fabricated of 11 gauge hot rolled, pickled, and oiled flat steel. Ladder treads shall have .34 in. (9mm) perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

Bracket - 12 ga. Coated

Shall be fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Bracket surfaces and sides shall be die formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Entire bracket weldment shall be coated. (See Coated Finish)

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)

Steel Tubing - 1 in. x 2 in. Rect., 14 ga.

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

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 - 3.5 in. OD, 13 ga.

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

Steel Tubing - 5 in. OD, 11 ga.

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

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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COSMIC WARP

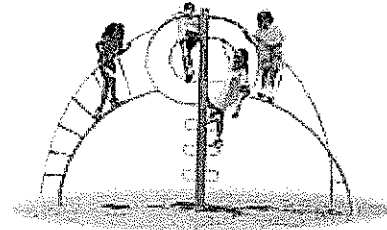
Cosmic Warp Center

Shall be an all-welded assembly fabricated of 5" outside diameter, 11 gauge galvanized steel tubing, 2.375" outside diameter, cold rolled steel bar, 1.029" outside diameter, 14 gauge galvanized steel tubing and 1.315" outside diameter, 14 gauge galvanized steel tubing. Shall have a factory-installed pipe cap. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / 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.

ZZXX0401



* See Note

Component Number:	ZZXX0401
Specification Rev:	PA818
Component Weight:	250.38 Lbs.
Number of Users:	6
Amount of Concrete:	0.25 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	67.26 Lbs.
CO2e Footprint:	655.97 Kgs.

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

Products Playsystem Component & Stand-Alone Products

ages 5-12

- Patented air brakes for a smooth, safe stop
- Available in 10' (3.05m) and 20' (6.10m, shown) lengths

Stand-alone product specifications:

350-MONO \$3,062
 USE ZONE 31' 4" x 15' 2" (9.55m x 4.62m)
 WEIGHT 336 lbs. (152kg)
 SIZE 19' 4" x 3' 2" x 7' (5.89m x 2.13m)
 CAPACITY 1 child
 TO INSTALL Approx. 7 hours
 ♿ ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614

ages 2-12

Bounce Button ages 2-12

- Range of motion determined by user's weight

Stand-alone product specifications:

ZZUN7090 \$329
 USE ZONE 16' x 16' (4.88m x 4.88m)
 WEIGHT 25 lbs. (12kg)
 CAPACITY 1 child
 ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614 EN1176

ages 5-12

Flip Flop®

ages 5-12

- For safety, pivoting rods prevent sudden drops

Stand-alone product specifications:

350-FF \$1,547
 USE ZONE 18' 2" x 18' 4" (5.54m x 5.59m)
 WEIGHT 338 lbs. (153kg)
 SIZE 6' 2" x 6' 4" x 5' 6" (1.88m x 1.93m x 1.68m)
 CAPACITY Up to 4 children
 TO INSTALL Approx. 5 hours
 ♿ ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614

EN1176 compliant version: #350-FF-EN; contact your authorized Playworld Systems Representative for pricing

Lift Me Up®

ages 5-12

- Pull-down bar and seat moves up; push-up bar and seat moves down

Stand-alone product specifications:

350-LMU \$1,547
 USE ZONE 16' 2" x 16' 9" (4.93m x 5.11m)
 WEIGHT 171 lbs. (78kg)
 SIZE 4' 2" x 4' 9" x 5' 6" (1.27m x 1.45m x 1.68m)
 CAPACITY 1 child
 TO INSTALL Approx. 5 hours
 ♿ ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614

EN1176 compliant version: #350-LMU-EN; contact your authorized Playworld Systems Representative for pricing

Vortex

- Full comes full circle while kids enjoy a vigorous ride on the Vortex

Stand-alone product specifications:

350-Vortex \$2,795
 USE ZONE 22' 5" x 15' 3" (6.83m x 4.65m)
 WEIGHT 272 lbs. (123kg)
 SIZE 10' 5" x 3' 3" x 8' 6" (3.18m x 1.01m x 2.59m)
 CAPACITY 1 child
 TO INSTALL Approx. 6 hours
 ♿ ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614

EN1176 compliant version: #350-VORP; contact your authorized Playworld Systems Representative for pricing

Twister

- Kids grab hold above and use their bodies to make crazy twists and turns

Stand-alone product specifications:

350-Twister \$2,347
 USE ZONE 16' 4" x 14' 1" (4.98m x 4.29m)
 WEIGHT 164 lbs. (74kg)
 SIZE 4' 4" x 2' 1" x 8' 6" (1.34m x 0.64m x 2.59m)
 CAPACITY 1 child
 TO INSTALL Approx. 6 hours
 ♿ ASTM F1487 CPSC PUB.325
 CAN/CSA-Z614

EN1176 compliant version: #350-TWIST; contact your authorized Playworld Systems Representative for pricing



Product Specifications

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TWIST

Twist Climber

Shall be an all-welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing; and 1.315 in. outside diameter, 14 gauge galvanized steel tubing. Shall have a factory installed riveted pipe cap. (See Crown/Post/End Cap) Shall be finished with a baked-on polyester powder coat or PrismCoat. (See PrismCoat / 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 - 5 in. OD, 11 ga.

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

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.

ZZXX0402



* See Note

Component Number:	ZZXX0402
Specification Rev:	PA819
Component Weight:	108.02 Lbs.
Number of Users:	3
Amount of Concrete:	0.25 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	28.98 Lbs.
CO2e Footprint:	237.71 Kgs.

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

542-975 Breakaway Goal (Playgrounds and Gyms)

Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. The 18" diameter rim shall have a one-piece continuous wire net attachment system. The rim shall be of an institutional quality with all structural components being no less than 3/16" thick. The ring shall be an official size 5/8" high strength steel and be supported by a 3/16" x 1 1/2" rim support that is welded around 180 degrees of the bottom of the ring. A steel cover plate must enclose all internal mechanism. Rim shall be punched to mount on any front mount backboard, have a 1 year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 21#.

542-976 Breakaway Goal with Heavy Duty Double Ring

Rim shall be of a flexible type so as to absorb the player contact. Spring action shall be provided by a compression spring. The 18" diameter assembly shall consist of two official size 5/8" high strength steel rings welded together at a minimum of six places. The net attachment system shall be of a continuous type constructed of 3/16" x 1" steel with punched net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall be punched to mount on any front mount backboard, have a 1 year limited warranty, a nylon net and an orange powder coated finish. Mounting hardware shall be included. Rim shall be made in the USA and weigh approximately 29#.

541-616 and ~~541-616M~~ Heavy Duty Aluminum Fan Gooseneck Playground System

Systems are identical except for the rims. Both use standard 18" diameter rims with double steel rings powder coated orange. ~~The 541-616 uses a 5412-973 Super Goal with a 120 thread count nylon net.~~ The 541-616M uses a 5412-973 Super Goal with a 120 thread count nylon net. The 35" x 54" x 1 1/4" thick aluminum backboard shall be permanent molded with a #319 aluminum alloy having physical properties to prevent cracking from impact forces. Thickness of the playing surface shall be 3/16". Reinforcing ribs and flange shall be 3/4" deep and 3/16" to 1/4" thick. The area for attaching the goal and bolting to the post shall be 7/16" thick with four holes accommodating 5" x 5" and 4 7/32" x 5 1/8" goal hole patterns. All burrs and sharp areas shall be ground and sanded smooth. The complete board shall be powder coated white with a baked on polyester paint. Silk-screened targets and/or borders are optional. Molded in bosses shall be drilled and tapped for 3/8" - 16 machine bolts for attachment of optional support braces. Cast aluminum backboards carry a lifetime warranty when mounted "goal to post" where the stress of "slam dunking" is borne by the bent post. The bent post shall be of 4 1/2" O.D. RS40 zinc flow coated steel tubing with a 7 gage (.180) wall thickness. There will be a 48" extension from the front of the bent post to the face of the backboard and allowance for a 48" bury into the ground. A 6" x 6" steel plate shall be welded to the end of the bent post with slotted mounting holes accommodating 5" x 5" and 4 1/32" x 5 1/8" goal hole patterns. The post can withstand 2300# of weight before permanent deformation occurs.

Kanawha State Forest

Design Number: P51909-1 - 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	ZZCH0018	4	3.5in OD x 124in STEEL POST W/RIVETED CAP	Certified	155.64		347	0	4.00	0.50	0
2	ZZCH0636	1	DOUBLE SLIDE COATED DECK ASSEMBLY	Certified	63.86		200	3	1.00	0.00	0
3	ZZCH2008	1	TRANSFER STATION w/BARRIERS (36in DECK)	Certified	180.00		497	2	2.00	0.09	0
4	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83		98	1	1.00	0.04	0
5	ZZCH3116	1	DOUBLE GLIDE SLIDE (36in DECK)	Certified	132.82		696	4	2.00	0.06	1
6	ZZCH7657	1	SOLAR CLIMBER (36in & 30in DECK)	Certified	79.63		305	2	1.50	0.03	1
7	ZZCH8096	1	GROUND TO DECK CATERCLIMBER (36in DECK)	Certified	79.72		284	2	1.50	0.06	1
8	ZZCH5770	1	LEG LIFT	Certified	6.76		32	1	0.50	0.00	1
9	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00		0	0	0.25	0.00	0
10	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0
11	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07		51	0	0.25	0.00	0
12	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46		31	0	0.25	0.00	0

Totals: 750.84 19 180 2,541 15 14.50 0.78 4
 337.88 Kg 9 Kg 81 Kg 3 Metric Tons 0.59 m3



Kanawha State Forest

Design Number: P51909-1 - 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
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ASTM F1487-07

The lay-out for this custom playscape, design number P51909-1, 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. 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 Deira 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

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3.5in OD x 124in STEEL POST W/RIVETED CAP

3.5 in. Support Post - 13 ga.

Shall be fabricated of 3.5 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / 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.

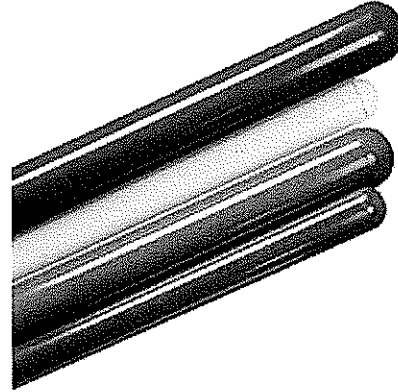
Drive Rivet

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZCH0018



* See Note

Component Number:	ZZCH0018
Specification Rev:	ECN343
Component Weight:	38.91 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	11.67 Lbs.
CO2e Footprint:	86.86 Kgs.

* 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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DOUBLE SLIDE COATED DECK ASSEMBLY

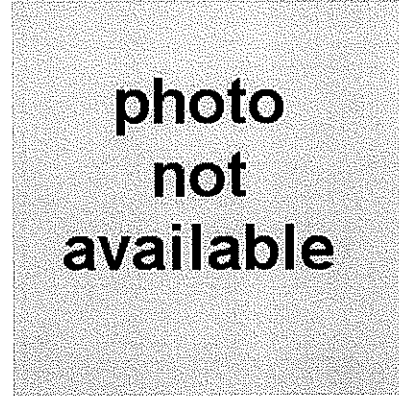
Coated Deck / Platform - 12 ga

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)

3.5 in. Die Cast Alloy 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.

ZZCH0636



* See Note

Component Number:	ZZCH0636
Specification Rev:	PA718
Component Weight:	63.86 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	6.05 Lbs.
Post-Consumer Recycle:	20.02 Lbs.
CO2e Footprint:	199.52 Kgs.

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Product Specifications

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TRANSFER STATION w/BARRIERS (36in DECK)

Transfer Deck Support Post

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. (See Superdurable Powder Coat Finish)

3.5 in. Die Cast Alloy 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 CH/EX sm rung

Shall be an all-welded assembly fabricated of .815 in. Outside diameter, 15 gauge galvanized steel tubing; 1.029 in. Outside diameter, 14 gauge galvanized steel tubing and 1.315 in. Outside diameter, 14 gauge galvanized steel tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Grabbit

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)

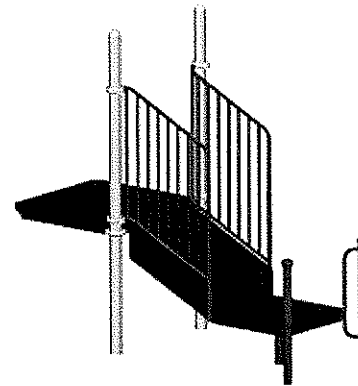
Coated Transfer Stair - sm holes

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled flat steel for the step treads, and 11 gauge hot rolled, pickled and oiled flat steel for the stringers. Step surfaces shall have .34 in. diameter perforated holes. Entire stair 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.

ZZCH2008



* See Note

Component Number:	ZZCH2008
Specification Rev:	PA1012
Component Weight:	180.00 Lbs.
Number of Users:	2
Amount of Concrete:	0.09 Yds.
Pre-Consumer Recycle:	7.25 Lbs.
Post-Consumer Recycle:	53.24 Lbs.
CO2e Footprint:	496.64 Kgs.

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.

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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

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

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Product Specifications

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DOUBLE GLIDE SLIDE (36in DECK)

3.5 in. Die Cast Alloy 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.

Slide Loop Barrier

Shall be an all welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and 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)

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.

Rotomolded Handhold / Barrier Cap

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 - 1.029 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.

ZZCH3116



* See Note

Component Number:	ZZCH3116
Specification Rev:	PA778
Component Weight:	132.82 Lbs.
Number of Users:	4
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	0.60 Lbs.
Post-Consumer Recycle:	9.13 Lbs.
CO2e Footprint:	696.38 Kgs.

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Product Specifications

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SOLAR CLIMBER (36in & 30in DECK)

3.5 in. Die Cast Alloy 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.

Climber 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)

Solar Climber (new w/ step brace)

Shall be an all welded assembly of 1.9 in. outside diameter, 13 gauge steel tubing with crimped insert, 2.375 in. outside diameter, 12 gauge steel tubing, 1.029 in. outside diameter, 14 gauge steel tubing, 12 gauge hot rolled pickled and oiled flat steel plate and 14 gauge hot rolled pickled and oiled flat steel plate. (See Tubing) Entire assembly shall be finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Arch Entry Barrier / Pipe Wall Barrier

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing and .188 in. hot rolled, pickled and oiled flat steel. Shall be finished with a baked-on polyester powder coat. (See Superdurable Polyester Powder Coat Finish)

Solar Climber Step Disc

Shall be fabricated from colored marine grade, .50 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).

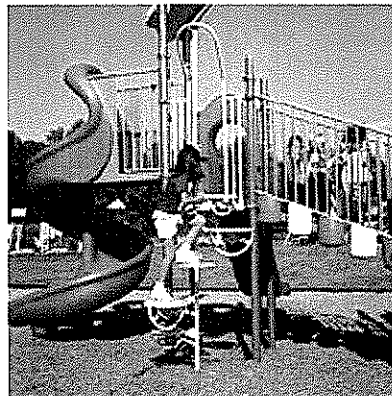
Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZCH7657



* See Note

Component Number:	ZZCH7657
Specification Rev:	ECN1346
Component Weight:	79.63 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	2.13 Lbs.
Post-Consumer Recycle:	14.34 Lbs.
CO2e Footprint:	305.10 Kgs.

psi.

Steel Tubing - 2.375 in. OD, 12 ga.

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

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Product Specifications

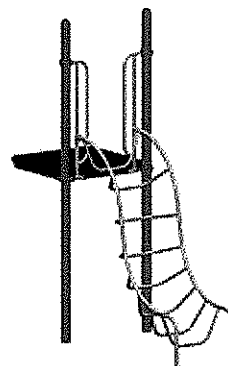
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GROUND TO DECK CATERCLIMBER (36in DECK)

ZZCH8096

Gate Adaptor Connector

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 powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601. Components are powder coated with a polyester powder and cured at temperatures between 375 and 400 F. Epoxy or hybrid paints are not acceptable. ASTM Specifications: B-117 (Salt Spray Resistance Test), D-2794 (Impact Resistance Test), D-1734 (Mandrel Flexibility Test), D-2247 (Humidity Resistance Test), D-822 (Weatherability Test), D-3363 (Pencil Hardness Test), D-3359-B (Crosshatch Adhesion Test), and D-2454 (Overbake Resistance Test).



* See Note

3.5 in. Die Cast Alloy 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.

Component Number:	ZZCH8096
Specification Rev:	ECN1455
Component Weight:	79.72 Lbs.
Number of Users:	2
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	1.02 Lbs.
Post-Consumer Recycle:	24.59 Lbs.
CO2e Footprint:	283.65 Kgs.

CaterClimber

Shall be an all welded assembly fabricated of 1.315 inch outside diameter, 14 gauge galvanized steel tubing; 1.66 inch outside diameter, 13 gauge galvanized steel tubing (See Tubing) and 1-3/8 inch round cold rolled steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Barrier Gate - Round Tube -Upper (7 Gauge Tab)

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing and 7 gauge hot rolled, pickled and oiled flat 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)

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 - 1.315 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.

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Product Specifications

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LEG LIFT

Leg Lift Handle

Shall be an all welded assembly of 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and .25 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)

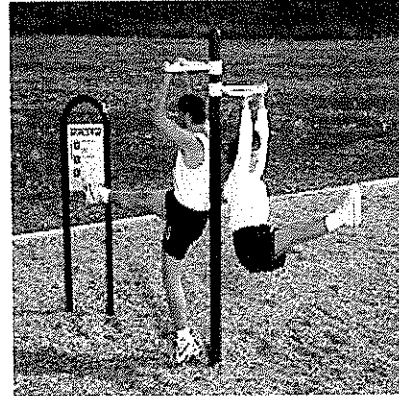
3.5 in. Cast Clamp Band

Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Finished with a 420 micro finish and 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.

ZZCH5770



* See Note

Component Number:	ZZCH5770
Specification Rev:	ECN886
Component Weight:	6.76 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	0.51 Lbs.
Post-Consumer Recycle:	2.23 Lbs.
CO2e Footprint:	32.22 Kgs.

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