



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
DNR209114

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
 CABWAYLINGO STATE FOREST
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 85
 DUNLOW, WV 25511 385-4255

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
04/21/2009				

BID OPENING DATE: **05/26/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		
PLAYGROUND EQUIPMENT (NOT OTHERWISE CLASSIFIED) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS FROM RESPONSIBLE VENDORS TO PROVIDE PLAYGROUND EQUIPMENT FOR CABWAYLINGO STATE FOREST PER THE ATTACHED SPECIFICATIONS. A MANDATORY PRE-BID MEETING WILL BE HELD ON MAY 6, 2009 AT 10:00 AM AT THE PARK HEADQUARTERS. FAILURE TO ATTEND THE MANDATORY MEETING WILL RESULT IN BID DISQUALIFICATION. AN INDIVIDUAL MAY NOT REPRESENT MORE THAN 1 (ONE) FIRM AT THE MANDATORY PRE-BID MEETING. 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. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER. THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT						

RECEIVED
 2009 MAY 28 PM 1:01
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>SK Self</i>	800/385-0075	5/26/09	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
SALES MGR.	52-2132887		

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



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<p>INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="padding-left: 40px;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>RFQ. NO.: DNR209114</p> <p>BID OPENING DATE: 05/26/09</p> <p>BID OPENING TIME: 1:30 PM</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>St. Self</i>	800/385-0075	5/26/09	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
<i>Sales MGR</i>	52-2132887		

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

WVDNR209114
Cabwaylingo State Forrest
PLAYGROUND EQUIPMENT SHEET

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

Item No.	Equipment	Manufacturer	Item
1	Long Branch Picnic Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	PLAY WORLD SYSTEMS	CH 2687
2	Long Branch Picnic Area Playground Game Time the whirl (Merry-Go-Round), Item #919, or equal.	Sports play	#301-143
3	Long Branch Picnic Area Playground Game Time tire swing (one bay), Item #10777, or equal.	PLAYWORLD SYSTEMS	#0302
4	Long Branch Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	↓	#0278
5	Long Branch Picnic Area Playground GameTime, 8' classic swing frame add-a-bay, Item #P8546, or equal.		#0230
6	Long Branch Picnic Area Playground Game Time enclosed tot seat with clevis, Item #8695, or equal.		#0265
7	Crum/ Morgan Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.		PLAYWORLD SYSTEMS
8	Crum/ Morgan Area Playground GameTime buck-a-bouts, Item #243, or equal.	PLAYWORLD SYSTEMS	#0650
9	Crum/ Morgan Area Playground GameTime saddle mates for buck-a-bout rider, Item #2313, or equal.	↓	INCLUDED IN ITEM #8

WVDNR209114
Cabwaylingo State Forrest
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item
10	Crum/ Morgan Area Playground GameTime cruisin mates desert commando car, Item #6058, or equal.	PLAYWORLD SYSTEMS	#0555
11	Crum/ Morgan Area Playground GameTime adventure mate, dinosaur rider, Item #6051, or equal.	PLAYWORLD SYSTEMS	#0563
12	Crum/ Morgan Area Playground GameTime in-ground mount package for the dinosaur spring mate, Item #6065, or equal.	PLAYWORLD SYSTEMS	# 0494
13	Lower Walnut Picnic Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.	PLAYWORLD SYSTEMS	CH 2687
14	Lower Walnut Picnic Area Playground GameTime, PowerScape single station climber, Challenge Station, single tower, Item #8533, or equal.	PLAYWORLD SYSTEMS	P52209-1
15	Lower Walnut Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	PLAYWORLD SYSTEMS	# 0248
16	Lower Walnut Picnic Area Playground GameTime, 8' classic swing frame add-a- bay, Item #P8546, or equal.	↓	# 0230
17	Lower Walnut Picnic Area Playground GameTime enclosed tot seat with clevis, Item #8695, or equal.		# 0265
18	Lower Walnut Picnic Area Playground GameTime, Fire Engine Vehicle Climber, Item No. 7002 or Equal.		#0621
19	Spruce Creek Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.		PLAYWORLD SYSTEMS

WVDNR209114
Cabwaylingo State Forrest
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item
20	Spruce Creek Area Playground GameTime space module climber, Item #618, or equal.	Sportsplay	# 111-120
21	Spruce Creek Area Playground GameTime buck-a-bouts, Item #243, or equal.	PLAY WORLD SYSTEMS	# 0650
22	Spruce Creek Area Playground GameTime saddle mates for buck-a-bout rider, Item #2313, or equal.	↓	INCLUDES IN ITEM # 8
23	Items For All Four Playgrounds Geo-textile fabric, 2,250 sq. ft. roll, or equal.	ZRAGER Brothers	DL6
24	Items For All Four Playgrounds Geo-textile fabric, 1,125 sq. ft. roll, or equal.	↓	DL6
25	Items For All Four Playgrounds Certified engineered wood fiber or equal.	↓	WOOD CARPET

Cabwaylingo State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Long Branch Picnic Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$ 3878 ⁰⁰	3878 ⁰⁰
2	1	Long Branch Picnic Area Playground Game Time the whirl (Merry-Go-Round), Item #919, or equal.	2695 ⁰⁰	2695 ⁰⁰
3	1	Long Branch Picnic Area Playground Game Time tire swing (one bay), Item #10777, or equal.	\$ 1961 ⁰⁰	1961 ⁰⁰
4	1	Long Branch Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	698 ⁰⁰	698 ⁰⁰
5	1	Long Branch Picnic Area Playground GameTime, 8' classic swing frame add-a-bay, Item #P8546, or equal.	488 ⁰⁰	488 ⁰⁰
6	2	Long Branch Picnic Area Playground Game Time enclosed tot seat with clevis, Item #8695, or equal.	114 ⁰⁰	228 ⁰⁰
7	1	Crum/ Morgan Area Playground Game Time freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$ 3878 ⁰⁰	3878 ⁰⁰
8	2	Crum/ Morgan Area Playground GameTime buck-a-bouts, Item #243, or equal.	862 ⁰⁰	1724 ⁰⁰
9	4	Crum/ Morgan Area Playground GameTime saddle mates for buck-a-bout rider, Item #2313, r equal.	INCLUDED IN ITEM # 8	
10	1	Crum/ Morgan Area Playground GameTime cruisin mates desert commando car, Item #6058, or equal.	804 ⁰⁰	804 ⁰⁰
11	1	Crum/ Morgan Area Playground GameTime adventure mate, dinosaur rider, Item #6051, or equal.	626 ⁰⁰	626 ⁰⁰

Cabwaylingo State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
12		Crum/ Morgan Area Playground GameTime in-ground mount package for the dinosaur spring mate, Item #6065, or equal.	101 ⁰⁰	101 ⁰⁰
13	1	Lower Walnut Picnic Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$ 3878 ⁰⁰	3878 ⁰⁰
14	1	Lower Walnut Picnic Area Playground GameTime, PowerScape single station climber, Challenge Station, single tower, Item #8533, or equal.	\$ 7885 ⁰⁰	\$ 7885 ⁰⁰
15	1	Lower Walnut Picnic Area Playground GameTime 8' classic swing frame, Item #P8542, or equal.	698 ⁰⁰	698 ⁰⁰
16	1	Lower Walnut Picnic Area Playground GameTime, 8' classic swing frame add-a-bay, Item #P8546, or equal.	488 ⁰⁰	488 ⁰⁰
17	2	Lower Walnut Picnic Area Playground GameTime enclosed tot seat with clevis, Item #8695, or equal.	114 ⁰⁰	228 ⁰⁰
18	1	Lower Walnut Picnic Area Playground GameTime, Fire Engine Vehicle Climber, Item #7002, or equal.	\$ 3213 ⁰⁰	\$ 3213 ⁰⁰
19	1	Spruce Creek Area Playground GameTime freestanding stainless steel straight chuters slide, Item #8681, or equal.	\$ 3878 ⁰⁰	\$ 3878 ⁰⁰
20	1	Spruce Creek Area Playground GameTime space module climber, Item #618, or equal.	\$ 2625 ⁰⁰	\$ 2625 ⁰⁰
21	4	Items For All Four Playgrounds Geotextile fabric, 2,250 sq. ft. roll, or equal.	\$.	960 ⁰⁰
22	1	Items For All Four Playgrounds Geotextile fabric, 1,125 sq. ft. roll, or equal.		160 ⁰⁰

Cabwaylingo State Forest Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
23	9,811 sq. ft.	Items For All Four Playgrounds Certified engineered wood fiber or equal.	.	85500 ⁰⁰
		TOTAL		46594 ⁰⁰



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05/05/2009				

BID OPENING DATE: 06/03/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		
***** THIS IS THE END OF RFQ DNR209114 ***** TOTAL: <u>446,594.00</u>						

***** ADDENDUM NO.1 *****
 THIS ADDENDUM IS ISSUED TO MAKE THE FOLLOWING CHANGES.
 MANDATORY PRE-BID MEETING DATE AND TIME:
 CHANGED FROM 05/06/09 TO 05/13/09 @ 10:00 AM AT THE
 PARK HEADQUARTERS.
 TECHNICAL QUESTIONS DEADLINE CHANGED TO 05/15/09 @ 3:00
 BID OPENING CHANGED FROM 05/26/09 TO 06/03/09 @ 1:30 P

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>St Self</i>	800/385-0075	5/26/09
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
Sales Manager	52-2132 887	

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

State of West Virginia VENDOR PREFERENCE CERTIFICATE

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

1. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or** 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
4. **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

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

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

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

Bidder: PLAYGROUNDS SPECIALISTS INC Signed: [Signature]
 Date: 5/26/09 Title: SALES MGR.

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

RFQ No. DNR209114

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: PLAYGROUPO SPECIALISTS INC
Authorized Signature: [Signature] Date: 5/26/09



Product Specifications

©Playworld Systems, Inc. Thursday, May 21, 2009

FREE-STANDING STAINLESS STEEL LIGHTNING SLIDE (72" PLATFORM)

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)

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)

Stainless Steel Slide

An all welded assembly forming one piece 16 gauge T304 stainless steel bedway with a continuous 1.5 in. outside diameter, 16 gauge stainless steel tube welded to the side channels for support. All welding of slide shall be continuous TIG (Tungsten Inert Gas). Welded for consistently high quality welds due to the gas shield of the process. All welds shall have discoloration completely removed. Finished with a 2B mill finish.

Slide Exit Support Leg

An all welded assembly shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 11 gauge galvanized sheet steel. Finished with a polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Slide Barrier - FS

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; 3/16 in. x 2 in. galvanized hot rolled pickled and oiled flat steel, and 11 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Stair / Ladder Handrail

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) Shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

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).

ZZCH2687



* See Note

Component Number:	ZZCH2687
Specification Rev:	ECN1498
Component Weight:	456.48 Lbs.
Amount of Concrete:	0.37 Yds.
Pre-Consumer Recycle:	8.18 Lbs.
Post-Consumer Recycle:	91.83 Lbs.
CO2e Footprint:	4,542.74 Kgs.

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

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)

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. 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 - 1.029 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.

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



Product Specifications

©Playworld Systems, Inc. Thursday, May 21, 2009

5in OD ALUMINUM ARCH TIRE SWING W/SILVER SHIELD CHAIN

Tire Mounting Strap

Shall be fabricated of .375 in. outside diameter cold rolled steel. Finished with a zinc coating.

Swing Tire

Shall be a 205/75 D15 nylon belted tire. Steel belted tires are not acceptable.

Backup Washer

Shall be a 2.5 in. (64mm) outside diameter, steel flat washer

5 in. Arch Post - Alum.

Shall be an all welded assembly fabricated of 5 in. outside diameter, .125 in. wall extruded 6061-T6 aluminum alloy tubing. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Tire Swing Top Rail

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing; and 8 gauge galvanized flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Tire Swing Swivel Assembly

Shall be a factory assembly which shall be fabricated of the following materials: a steel universal joint, neoprene bellows, oilite bronze bushings, a grease fitting, hardware (see Hardware), a tire swing swivel pin fabricated of grade 5 forged steel, and a swivel hub weldment. The swivel hub weldment shall be an all welded assembly fabricated of .375 in. round cold rolled steel and 2 in. diameter, 1215 round cold rolled steel. Shall be greased at factory after assembly process.

Coated Chain 4/0

Shall be 4/0 welded link chain with a coating. The chain links are zinc coated low carbon 1008 steel. (See Coated Finish) The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

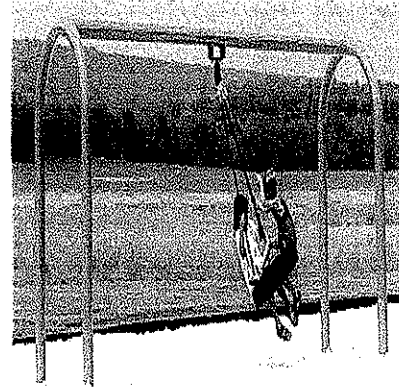
Steel Tubing - 5 in. OD, 11 ga.

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

Aluminum Tubing - 5 in. OD, .125 in. W

Shall be 6061-T6 alloy tubing having a Tensile strength of 38,000 psi. and a Yield strength of 35,000 psi. (See Tubing).

ZZXX0302



* See Note

Component Number:	ZZXX0302
Specification Rev:	ECN1829
Component Weight:	253.57 Lbs.
Number of Users:	3
Amount of Concrete:	0.50 Yds.
Pre-Consumer Recycle:	0.06 Lbs.
Post-Consumer Recycle:	68.99 Lbs.
CO2e Footprint:	1,590.04 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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8ft 2-UNIT STANDARD SWING

Swing Top Rail / Leg

Shall be 2.375 in. outside diameter, 10 gauge galvanized steel tubing. Tubing shall have a zinc-rich paint interior coating. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: A-315, A-500, and A-513. Support posts shall carry a factory-applied marker to indicate the level of protective surfacing material to be maintained. (See Protective Surfacing Specifications)

End Yoke

An all-welded assembly fabricated of 2.875 in. outside diameter, 8 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

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)

2.375 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)

Surfacing Warning Label

Shall be a pressure sensitive adhesive white vinyl label laminated with clear mylar for weather resistance. Shall contain the following text: Warning! Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls. Shall be tamper resistant to deter removal.

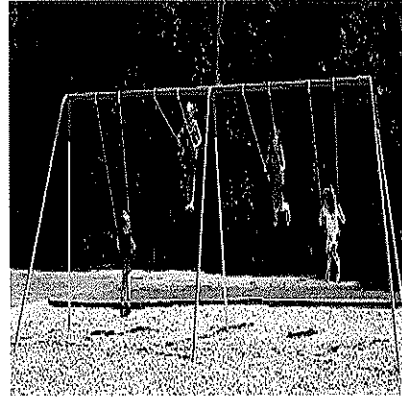
Steel Tubing - 2.375 in. OD, 10 ga.

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

Steel Tubing - 2.875 in. O.D., 8 ga.

Minimum yield strength shall be 50,000 psi. with a maximum tensile strength at least 13% higher. Material ASTM Designation: A1011/A 1011/M 01a Commercial Steel CS Type B Mn content 0.6% max. Carbon Content (0.07 to 0.11) % vs. (0.02 to 0.15) % per ASTM Specs.

ZZXX0248



* See Note

Component Number:	ZZXX0248
Specification Rev:	ECN1034
Component Weight:	210.50 Lbs.
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	59.28 Lbs.
CO2e Footprint:	541.92 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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8ft STANDARD DUTY SWING ADD-A- BAY

Swing Top Rail / Leg

Shall be 2.375 in. outside diameter, 10 gauge galvanized steel tubing. Tubing shall have a zinc-rich paint interior coating. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: A-315, A-500, and A-513. Support posts shall carry a factory-applied marker to indicate the level of protective surfacing material to be maintained. (See Protective Surfacing Specifications)

Center Yoke

An all-welded assembly fabricated of 2.875 in. outside diameter, 8 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

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)

2.375 in. Swing Hanger / Band - cast iron

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

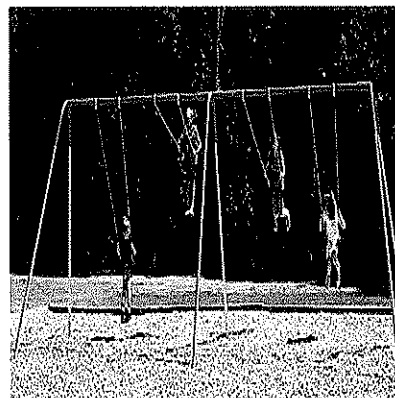
Steel Tubing - 2.375 in. OD, 10 ga.

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

Steel Tubing - 2.875 in. O.D., 8 ga.

Minimum yield strength shall be 50,000 psi. with a maximum tensile strength at least 13% higher. Material ASTM Designation: A1011/A 1011/M 01a Commercial Steel CS Type B Mn content 0.6% max. Carbon Content (0.07 to 0.11) % vs. (0.02 to 0.15) % per ASTM Specs.

ZZXX0230



* See Note

Component Number:	ZZXX0230
Specification Rev:	ECN1034
Component Weight:	130.84 Lbs.
Amount of Concrete:	0.26 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	35.40 Lbs.
CO2e Footprint:	360.30 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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Product Specifications

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WAVE RIDER SEE-SAW

Base Plate

Shall be fabricated of .375 in. zinc plated, hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Foot Rest - Wave Rider

Shall be an all welded assembly, fabricated of 3/16" hot rolled galvanized steel, .50 in. round cold rolled steel, and .25 in. zinc plated, hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Support Beam - Wave Rider

Shall be an all welded assembly of 3 in. x 5 in. x .125 in. hot rolled, pickled and oiled rectangular steel tubing, .188 in. x 3 in. hot rolled, pickled and oiled flat steel, and 8 gauge hot rolled pickled and oiled steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Seat - Wave Rider

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

Spring Retainer

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

Surfacing Warning Label

Shall be a pressure sensitive adhesive white vinyl label laminated with clear mylar for weather resistance. Shall contain the following text: Warning! Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls. Shall be tamper resistant to deter removal.

Spring - 5.625"

Shall be a compression cylinder, CEG, 5160H, round. Wire diameter shall be .8125 in. Coil to have an outside diameter of 5.625 in. with a free length of 13.75 in. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

ZZXX0650



* See Note

Component Number:	ZZXX0650
Specification Rev:	ECN667
Component Weight:	147.97 Lbs.
Number of Users:	2
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	10.86 Lbs.
Post-Consumer Recycle:	74.31 Lbs.
CO2e Footprint:	535.35 Kgs.

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Product Specifications

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CAR SPRING RIDER

Casting - Spring Wedge

Cast of regular 535 (-F) almag aluminum. Ultimate tensile strength shall be 35 ksi. Yield strength shall be 18 ksi. 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.

Bracket - Spring Rider

Shall be fabricated from 12 gauge hot rolled pickled and oiled steel. Ultimate tensile strength shall be 30-60 ksi method A370. Must meet ASTM 1011 standard. Shall be fabricated from low carbon steel. Ultimate tensile strength shall be 60,000 psi. Yield strength shall be 30,000 psi. Plating Mil F 140272 D. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Bracket - 8 ga.

Shall be fabricated of 8 gauge hot rolled galvanized steel. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Plate - 7 GA

Shall be fabricated from 7 gauge galvanized hot rolled pickled and oiled flat steel. 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.

Spring - 400 mm

Shall be manufactured from stainless steel 20 mm diameter wire. Shall have an outside diameter of 180 mm Coil direction shall be right-handed. Complies to ASTM A-227 / A-227M-90 standard specifications for steel wire, cold drawn for mechanical springs.

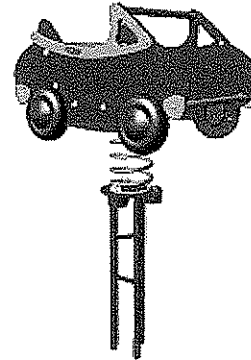
Plastic Panel - .5 in.

Shall be fabricated of .50 in. (12 mm) high density sheet polyethylene. 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 (Vicat Softening Point).

Plastic Panel - .75 in.

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat

ZZXX0555



* See Note

Component Number:	ZZXX0555
Specification Rev:	ECN1867
Component Weight:	84.30 Lbs.
Pre-Consumer Recycle:	8.91 Lbs.
Post-Consumer Recycle:	31.61 Lbs.
CO2e Footprint:	622.28 Kgs.

Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

Rotomolded Seat

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

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Product Specifications

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HORSE SPRING RIDER

Spring - C

Shall be fabricated of .3125 in. x 4 in. hot rolled steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Plate - 7 GA

Shall be fabricated from 7 gauge galvanized hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Plate - 7 Ga. And 14 Ga

Shall be fabricated from 7 gauge galvanized hot rolled flat steel and 14 gauge galvanized hot rolled flat steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Bracket - 12 Ga./16 Ga.

Shall be fabricated of 12 gauge galvanized steel and 16 gauge galvanized tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Bracket - Rider Head

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 16 gauge galvanized tubing; and 14 gauge galvanized steel. (See Tubing). Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish)

Plate - 12 gauge

Shall be fabricated from 12 gauge galvanized steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Rotomolded Component

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

ZZXX0563



* See Note

Component Number:	ZZXX0563
Specification Rev:	ECN1867
Component Weight:	48.03 Lbs.
Pre-Consumer Recycle:	1.43 Lbs.
Post-Consumer Recycle:	11.56 Lbs.
CO2e Footprint:	336.72 Kgs.

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Product Specifications

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C - SPRING RIDER FOOTER FRAME

Footing - C Spring Rider

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 outside diameter, 14 gauge galvanized steel; and 7 gauge hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

ZZXX0496

**photo
not
available**

* See Note

Component Number:	ZZXX0496
Specification Rev:	ECN1867
Component Weight:	19.82 Lbs.
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	5.86 Lbs.
CO2e Footprint:	30.50 Kgs.

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Product Specifications

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FREDDY FIRETRUCK (RIGID MOUNT)

Arrow Knob Handle / Handle

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

Bracket - 11 ga. Galv.

Shall be fabricated of 11 gauge galvanized steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Handle/Handhold

Shall be an fabricated of 1.029 in. Outside diameter, 14 gauge galvanized steel tubing. Shall have crimped in threaded inserts with a thread locking material applied to the threads. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Frame - Action Vehicle (new)

Shall be an all-welded assembly fabricated of 1 in. x 2 in. x 16 gauge galvanized rectangular steel tubing and 11 gauge hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Frame - Arch

Shall be an all-welded assembly fabricated of 1 in. x 2 in. x 16 gauge galvanized rectangular steel tubing and .1875 in. hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Anchor Post with Plate

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

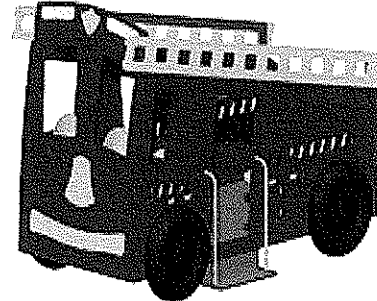
Ball Bearing - .313 in. Dia.

Shall be .313 in. diameter and be manufactured of AISI 440-C stainless steel, hardened to RC 58-65.

Steering Wheel w/ bearings

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

ZZXX0621



* See Note

Component Number:	ZZXX0621
Specification Rev:	PA0932
Component Weight:	674.36 Lbs.
Number of Users:	9
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	108.42 Lbs.
Post-Consumer Recycle:	81.44 Lbs.
CO2e Footprint:	2,941.66 Kgs.

Label - Vinyl

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

Plastic Panel - .5 in.

Shall be fabricated of .50 in. (12 mm) high density sheet polyethylene. 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 (Vicat Softening Point).

Plastic Panel - .75 in.

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

Rotomolded Wheel

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

Coated Vehicle Stair

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Stair tread shall have .34 in. (9mm) perforated holes. Entire weldment shall have a protective coating. (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)

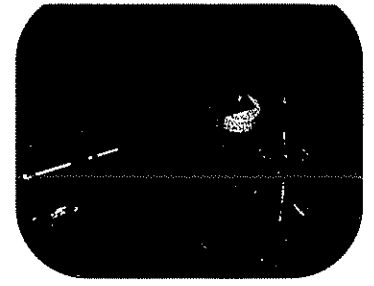
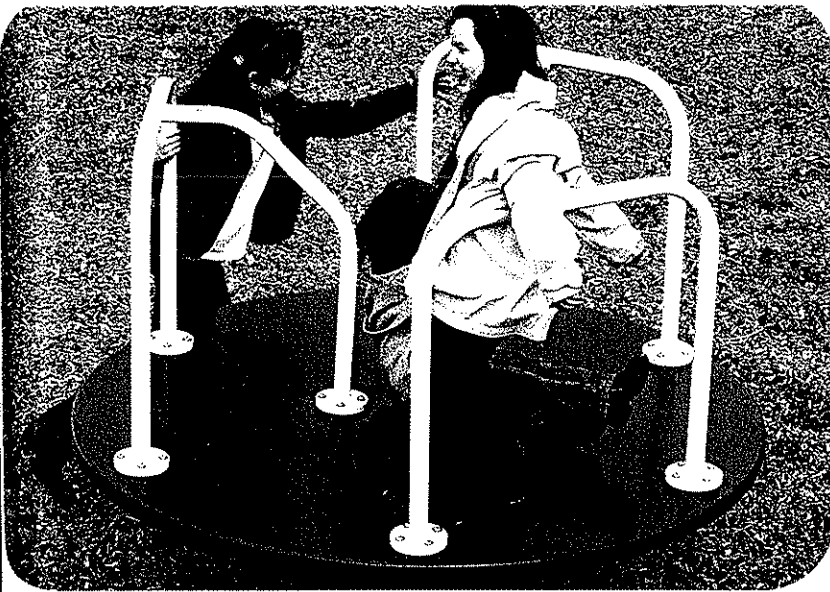
Steel Tubing - 1 in. x 2 in. Rect., 14 ga.

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.

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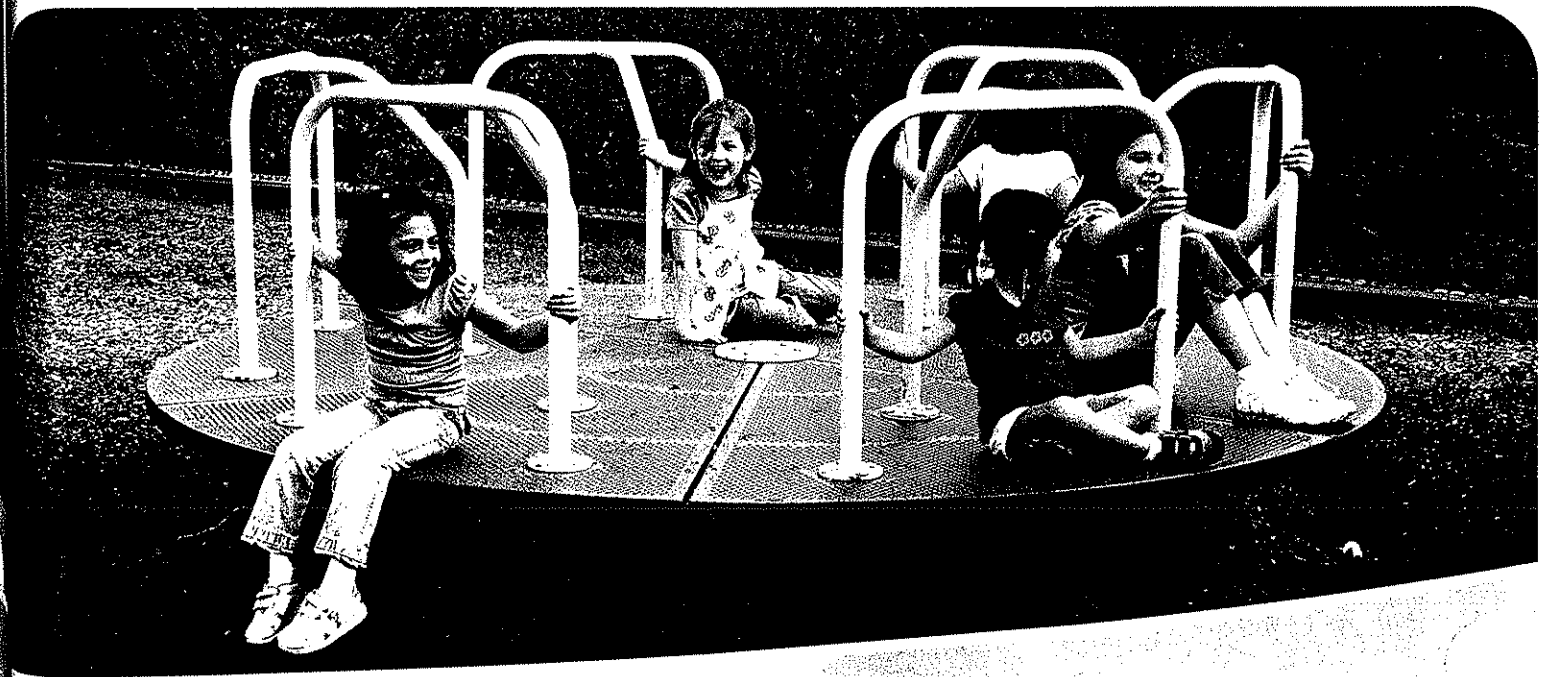


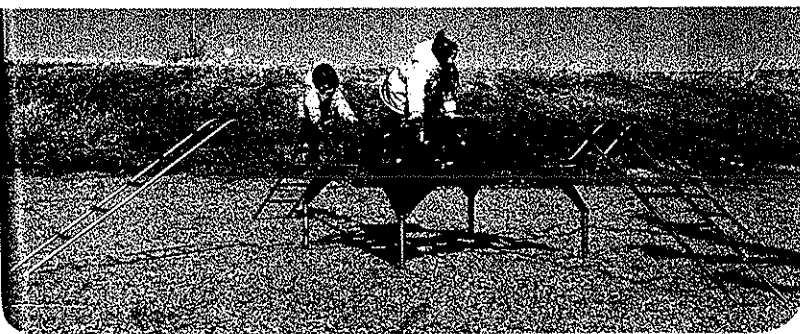
~~301-142 300 lbs. \$1,788
 Ages 5 - 12 years Accommodates 8
 Dimensions 6' diameter
 Use Zone 18' diameter
 Please specify Red with Yellow, Green with Tan or Blue with White color scheme.~~



~~8' Round Merry Go Round
 301-143 550 lbs. \$2,546
 Ages 5 - 12 years Accommodates 10-12
 Dimensions 8' diameter
 Use Zone 20' diameter
 Please specify Red with Yellow, Green with Tan or Blue with White color scheme.~~

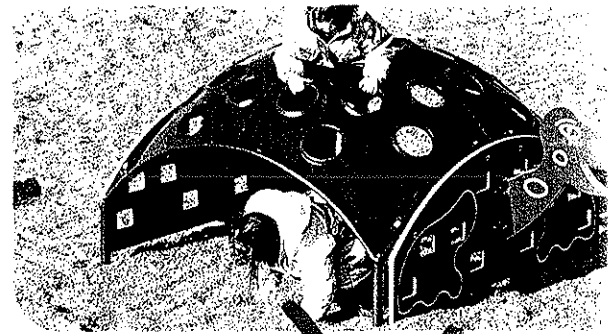
~~10' Round Merry Go Round
 301-146 990 lbs. \$5,672
 Ages 5 - 12 years Accommodates 14-16
 Dimensions 10' diameter
 Use Zone 22' diameter
 Please specify Red with Yellow, Green with Tan or Blue with White color scheme.~~





Charlotte the Spider

111-113 195 lbs. \$1,320
 Ages 5-12 years Accommodates 12
 Dimensions 12' W x 12' L x 3' H Use Zone 29' x 29'



Turtle Climber

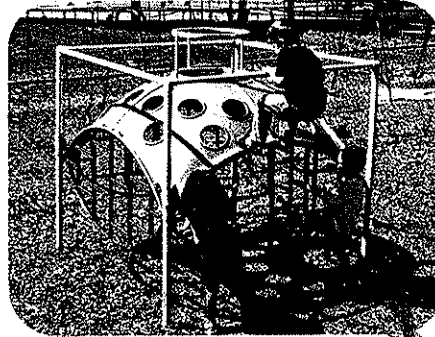
301-144 195 lbs. \$1,320
 Ages 5-12 years
 Dimensions 5' W x 8' L x 3' H
 Use Zone 18' x 20'

**Lifetime
 Guarantee on
 all Aluminum
 Components**



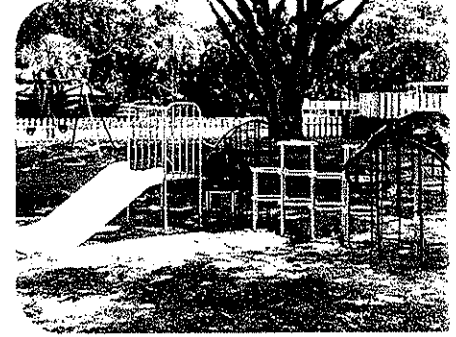
Quarter-Deck w/ Slide

111-412 625 lbs. \$2,830
 Ages 5-12 years
 Accommodates 8
 Dimensions 13' W x 17' L
 Use Zone 19' x 26'



Jr. Squirrel House

111-120 360 lbs. \$2,524
 Ages 5-12 years
 Accommodates 8
 Dimensions 5' W x 5' L x 4' 11" H
 Use Zone 17' x 17'



Funscope

111-440 1,067 lbs. \$4,000
 Ages 5-12 years
 Accommodates 20
 Dimensions 17' W x 12' L
 Use Zone 28' x 25'

Early Years Playscape

371-042 Permanent 412 lbs. \$3,005
 372-042 Portable 417 lbs. \$3,082
 Ages 2-5 years Accommodates 20
 Dimensions 16' x 11' Use Zone 28' x 23'

(A) Up/Down Crawl Thru

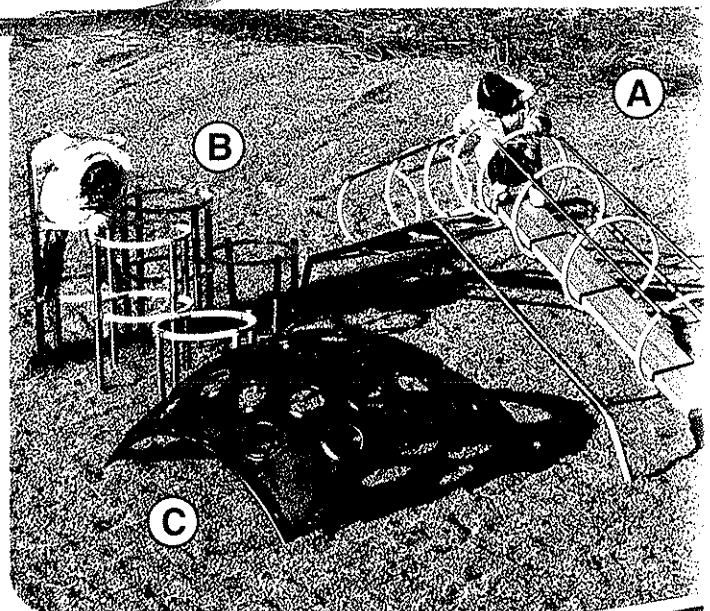
311-102 Permanent 155 lbs. \$1,201
 312-102 Portable 160 lbs. \$1,249
 Dimensions 2' x 11' Use Zone 15' x 24'

(B) Ring Climber

301-102 Permanent 97 lbs. \$992
 302-102 Portable 99 lbs. \$1,240
 Dimensions 6' x 6' Use Zone 17' x 18'

(C) Rabbit Hutch

301-141 Permanent 160 lbs. \$965
 302-141 Portable 160 lbs. \$944
 Dimensions 5' x 5' Use Zone 17' x 17'



260
 0' x 24'
 1,654
 1' x 24'
 2,421
 2' x 24'
 ue,



Product Specifications

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FREE-STANDING STAINLESS STEEL LIGHTNING SLIDE (72" PLATFORM)

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)

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)

Stainless Steel Slide

An all welded assembly forming one piece 16 gauge T304 stainless steel bedway with a continuous 1.5 in. outside diameter, 16 gauge stainless steel tube welded to the side channels for support. All welding of slide shall be continuous TIG (Tungsten Inert Gas). Welded for consistently high quality welds due to the gas shield of the process. All welds shall have discoloration completely removed. Finished with a 2B mill finish.

Slide Exit Support Leg

An all welded assembly shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and 11 gauge galvanized sheet steel. Finished with a polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Slide Barrier - FS

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; 3/16 in. x 2 in. galvanized hot rolled pickled and oiled flat steel, and 11 gauge zinc plated steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Stair / Ladder Handrail

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) Shall be finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

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).

ZZCH2687



* See Note

Component Number:	ZZCH2687
Specification Rev:	ECN1498
Component Weight:	456.48 Lbs.
Amount of Concrete:	0.37 Yds.
Pre-Consumer Recycle:	8.18 Lbs.
Post-Consumer Recycle:	91.83 Lbs.
CO2e Footprint:	4,542.74 Kgs.

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

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)

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. 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 - 1.029 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.

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



Product Specifications

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5in OD ALUMINUM ARCH TIRE SWING W/SILVER SHIELD CHAIN

Tire Mounting Strap

Shall be fabricated of .375 in. outside diameter cold rolled steel. Finished with a zinc coating.

Swing Tire

Shall be a 205/75 D15 nylon belted tire. Steel belted tires are not acceptable.

Backup Washer

Shall be a 2.5 in. (64mm) outside diameter, steel flat washer

5 in. Arch Post - Alum.

Shall be an all welded assembly fabricated of 5 in. outside diameter, .125 in. wall extruded 6061-T6 aluminum alloy tubing. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Tire Swing Top Rail

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing; and 8 gauge galvanized flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Tire Swing Swivel Assembly

Shall be a factory assembly which shall be fabricated of the following materials: a steel universal joint, neoprene bellows, oilite bronze bushings, a grease fitting, hardware (see Hardware), a tire swing swivel pin fabricated of grade 5 forged steel, and a swivel hub weldment. The swivel hub weldment shall be an all welded assembly fabricated of .375 in. round cold rolled steel and 2 in. diameter, 1215 round cold rolled steel. Shall be greased at factory after assembly process.

Coated Chain 4/0

Shall be 4/0 welded link chain with a coating. The chain links are zinc coated low carbon 1008 steel. (See Coated Finish) The Rockwell would be on the B scale @ 90. The working load limit for this chain is 670 lbs.

Steel Tubing - 5 in. OD, 11 ga.

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

Aluminum Tubing - 5 in. OD, .125 in. W

Shall be 6061-T6 alloy tubing having a Tensile strength of 38,000 psi. and a Yield strength of 35,000 psi. (See Tubing).

ZZXX0302



* See Note

Component Number:	ZZXX0302
Specification Rev:	ECN1829
Component Weight:	253.57 Lbs.
Number of Users:	3
Amount of Concrete:	0.50 Yds.
Pre-Consumer Recycle:	0.06 Lbs.
Post-Consumer Recycle:	68.99 Lbs.
CO2e Footprint:	1,590.04 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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8ft 2-UNIT STANDARD SWING

Swing Top Rail / Leg

Shall be 2.375 in. outside diameter, 10 gauge galvanized steel tubing. Tubing shall have a zinc-rich paint interior coating. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: A-315, A-500, and A-513. Support posts shall carry a factory-applied marker to indicate the level of protective surfacing material to be maintained. (See Protective Surfacing Specifications)

End Yoke

An all-welded assembly fabricated of 2.875 in. outside diameter, 8 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

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)

2.375 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)

Surfacing Warning Label

Shall be a pressure sensitive adhesive white vinyl label laminated with clear mylar for weather resistance. Shall contain the following text: Warning! Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls. Shall be tamper resistant to deter removal.

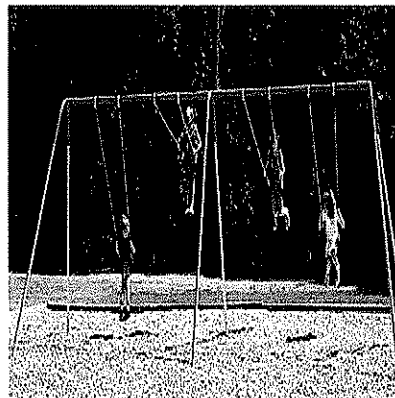
Steel Tubing - 2.375 in. OD, 10 ga.

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

Steel Tubing - 2.875 in. O.D., 8 ga.

Minimum yield strength shall be 50,000 psi. with a maximum tensile strength at least 13% higher. Material ASTM Designation: A1011/A 1011/M 01a Commercial Steel CS Type B Mn content 0.6% max. Carbon Content (0.07 to 0.11) % vs. (0.02 to 0.15) % per ASTM Specs.

ZZXX0248



* See Note

Component Number:	ZZXX0248
Specification Rev:	ECN1034
Component Weight:	210.50 Lbs.
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	59.28 Lbs.
CO2e Footprint:	541.92 Kgs.

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Product Specifications

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8ft STANDARD DUTY SWING ADD-A- BAY

Swing Top Rail / Leg

Shall be 2.375 in. outside diameter, 10 gauge galvanized steel tubing. Tubing shall have a zinc-rich paint interior coating. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish) ASTM Specifications: A-315, A-500, and A-513. Support posts shall carry a factory-applied marker to indicate the level of protective surfacing material to be maintained. (See Protective Surfacing Specifications)

Center Yoke

An all-welded assembly fabricated of 2.875 in. outside diameter, 8 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

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)

2.375 in. Swing Hanger / Band - cast iron

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

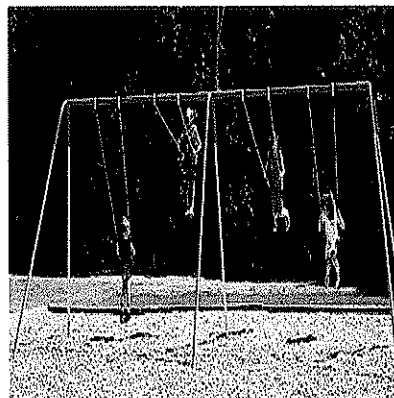
Steel Tubing - 2.375 in. OD, 10 ga.

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

Steel Tubing - 2.875 in. O.D., 8 ga.

Minimum yield strength shall be 50,000 psi. with a maximum tensile strength at least 13% higher. Material ASTM Designation: A1011/A 1011/M 01a Commercial Steel CS Type B Mn content 0.6% max. Carbon Content (0.07 to 0.11) % vs. (0.02 to 0.15) % per ASTM Specs.

ZZXX0230



* See Note

Component Number:	ZZXX0230
Specification Rev:	ECN1034
Component Weight:	130.84 Lbs.
Amount of Concrete:	0.26 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	35.40 Lbs.
CO2e Footprint:	360.30 Kgs.

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Product Specifications

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INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL

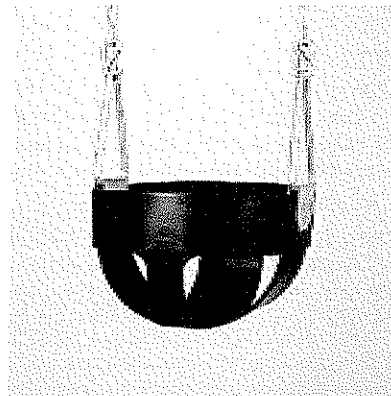
ZZXX0265

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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Product Specifications

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WAVE RIDER SEE-SAW

Base Plate

Shall be fabricated of .375 in. zinc plated, hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Foot Rest - Wave Rider

Shall be an all welded assembly, fabricated of 3/16" hot rolled galvanized steel, .50 in. round cold rolled steel, and .25 in. zinc plated, hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Support Beam - Wave Rider

Shall be an all welded assembly of 3 in. x 5 in. x .125 in. hot rolled, pickled and oiled rectangular steel tubing, .188 in. x 3 in. hot rolled, pickled and oiled flat steel, and 8 gauge hot rolled pickled and oiled steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Seat - Wave Rider

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

Spring Retainer

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

Surfacing Warning Label

Shall be a pressure sensitive adhesive white vinyl label laminated with clear mylar for weather resistance. Shall contain the following text: Warning! Installation over a hard surface such as concrete, asphalt, or packed earth may result in serious injury or death from falls. Shall be tamper resistant to deter removal.

Spring - 5.625"

Shall be a compression cylinder, CEG, 5160H, round. Wire diameter shall be .8125 in. Coil to have an outside diameter of 5.625 in. with a free length of 13.75 in. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

ZZXX0650



* See Note

Component Number:	ZZXX0650
Specification Rev:	ECN667
Component Weight:	147.97 Lbs.
Number of Users:	2
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	10.86 Lbs.
Post-Consumer Recycle:	74.31 Lbs.
CO2e Footprint:	535.35 Kgs.

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Product Specifications

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CAR SPRING RIDER

Casting - Spring Wedge

Cast of regular 535 (-F) almag aluminum. Ultimate tensile strength shall be 35 ksi. Yield strength shall be 18 ksi. 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.

Bracket - Spring Rider

Shall be fabricated from 12 gauge hot rolled pickled and oiled steel. Ultimate tensile strength shall be 30-60 ksi method A370. Must meet ASTM 1011 standard. Shall be fabricated from low carbon steel. Ultimate tensile strength shall be 60,000 psi. Yield strength shall be 30,000 psi. Plating Mil F 140272 D. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Bracket - 8 ga.

Shall be fabricated of 8 gauge hot rolled galvanized steel. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Plate - 7 GA

Shall be fabricated from 7 guage galvanized hot rolled pickled and oiled flat steel. 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.

Spring - 400 mm

Shall be manufactured from stainless steel 20 mm diameter wire. Shall have an outside diameter of 180 mm Coil direction shall be right-handed. Complies to ASTM A-227 / A-227M-90 standard specifications for steel wire, cold drawn for mechanical springs.

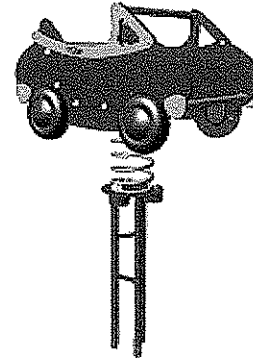
Plastic Panel - .5 in.

Shall be fabricated of .50 in. (12 mm) high density sheet polyethylene. 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 (Vicat Softening Point).

Plastic Panel - .75 in.

Shall be fabricated from colored marine grade, .75 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat

ZZXX0555



* See Note

Component Number:	ZZXX0555
Specification Rev:	ECN1867
Component Weight:	84.30 Lbs.
Pre-Consumer Recycle:	8.91 Lbs.
Post-Consumer Recycle:	31.61 Lbs.
CO2e Footprint:	622.28 Kgs.

Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

Rotomolded Seat

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

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Product Specifications

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HORSE SPRING RIDER

Spring - C

Shall be fabricated of .3125 in. x 4 in. hot rolled steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Plate - 7 GA

Shall be fabricated from 7 gauge galvanized hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Plate - 7 Ga. And 14 Ga

Shall be fabricated from 7 gauge galvanized hot rolled flat steel and 14 gauge galvanized hot rolled flat steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Bracket - 12 Ga./16 Ga.

Shall be fabricated of 12 gauge galvanized steel and 16 gauge galvanized tubing. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Bracket - Rider Head

Shall be an all-welded assembly fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 16 gauge galvanized tubing; and 14 gauge galvanized steel. (See Tubing). Finished with a baked on polyester powder coating. (See Polyester Powder Coat Finish)

Plate - 12 gauge

Shall be fabricated from 12 gauge galvanized steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Rotomolded Component

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

ZZXX0563



* See Note

Component Number:	ZZXX0563
Specification Rev:	ECN1867
Component Weight:	48.03 Lbs.
Pre-Consumer Recycle:	1.43 Lbs.
Post-Consumer Recycle:	11.56 Lbs.
CO2e Footprint:	336.72 Kgs.

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Product Specifications

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C - SPRING RIDER FOOTER FRAME

Footing - C Spring Rider

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 outside diameter, 14 gauge galvanized steel; and 7 gauge hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

ZZXX0496

**photo
not
available**

* See Note

Component Number:	ZZXX0496
Specification Rev:	ECN1867
Component Weight:	19.82 Lbs.
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	5.86 Lbs.
CO2e Footprint:	30.50 Kgs.

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Product Specifications

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FREDDY FIRETRUCK (RIGID MOUNT)

Arrow Knob Handle / Handle

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

Bracket - 11 ga. Galv.

Shall be fabricated of 11 gauge galvanized steel. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Handle/Handhold

Shall be an fabricated of 1.029 in. Outside diameter, 14 gauge galvanized steel tubing. Shall have crimped in threaded inserts with a thread locking material applied to the threads. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Frame - Action Vehicle (new)

Shall be an all-welded assembly fabricated of 1 in. x 2 in. x 16 gauge galvanized rectangular steel tubing and 11 gauge hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Frame - Arch

Shall be an all-welded assembly fabricated of 1 in. x 2 in. x 16 gauge galvanized rectangular steel tubing and .1875 in. hot rolled pickled and oiled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Anchor Post with Plate

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

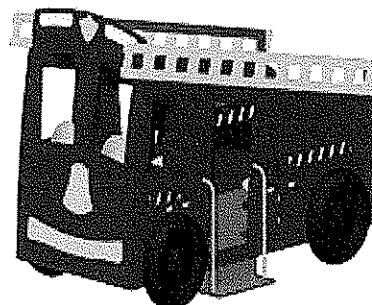
Ball Bearing - .313 in. Dia.

Shall be .313 in. diameter and be manufactured of AISI 440-C stainless steel, hardened to RC 58-65.

Steering Wheel w/ bearings

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

ZZXX0621



* See Note

Component Number:	ZZXX0621
Specification Rev:	PA0932
Component Weight:	674.36 Lbs.
Number of Users:	9
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	108.42 Lbs.
Post-Consumer Recycle:	81.44 Lbs.
CO2e Footprint:	2,941.66 Kgs.

Label - Vinyl

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

Plastic Panel - .5 in.

Shall be fabricated of .50 in. (12 mm) high density sheet polyethylene. 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 (Vicat Softening Point).

Plastic Panel - .75 in.

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

Rotomolded Wheel

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

Coated Vehicle Stair

Shall be an all welded assembly fabricated of 12 gauge hot rolled, pickled and oiled flat steel. Stair tread shall have .34 in. (9mm) perforated holes. Entire weldment shall have a protective coating. (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)

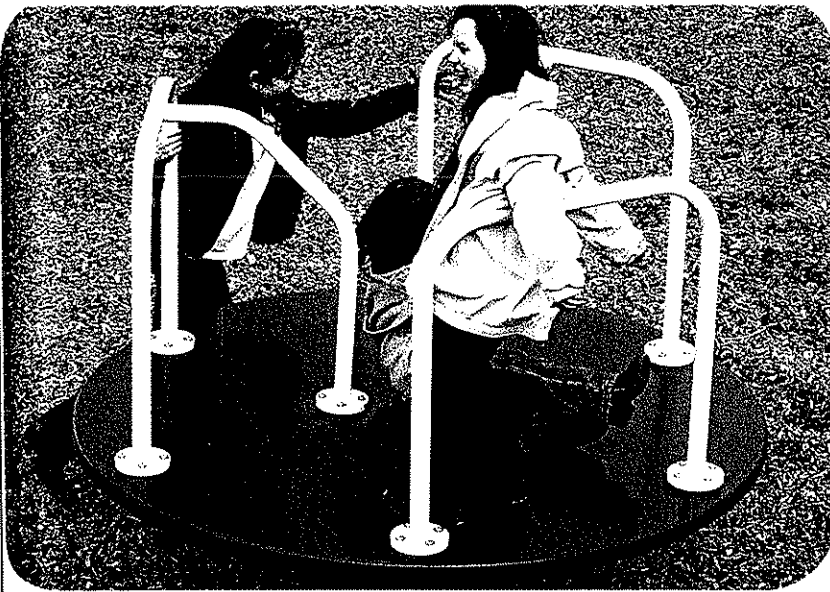
Steel Tubing - 1 in. x 2 in. Rect., 14 ga.

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.

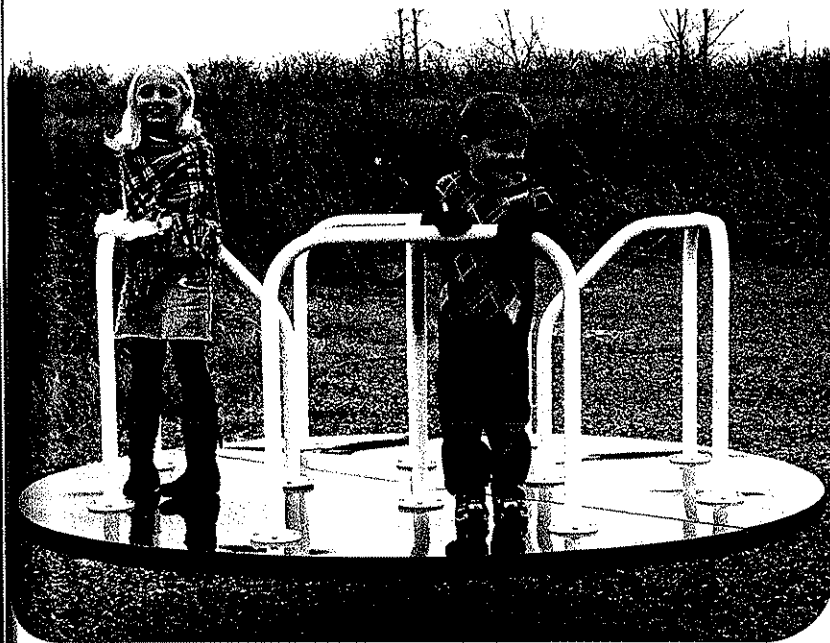
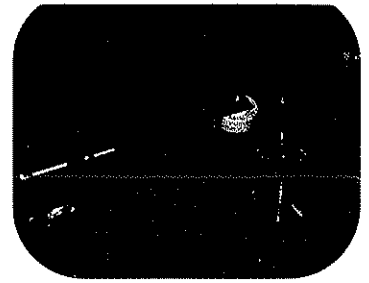
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6' Round Merry Go Round

301-142	300 lbs.	\$1,788
Ages	5 - 12 years	Accommodates 8
Dimensions	6' diameter	
Use Zone	18' diameter	

Please specify Red with Yellow, Green with Tan or Blue with White color scheme.



8' Round Merry Go Round

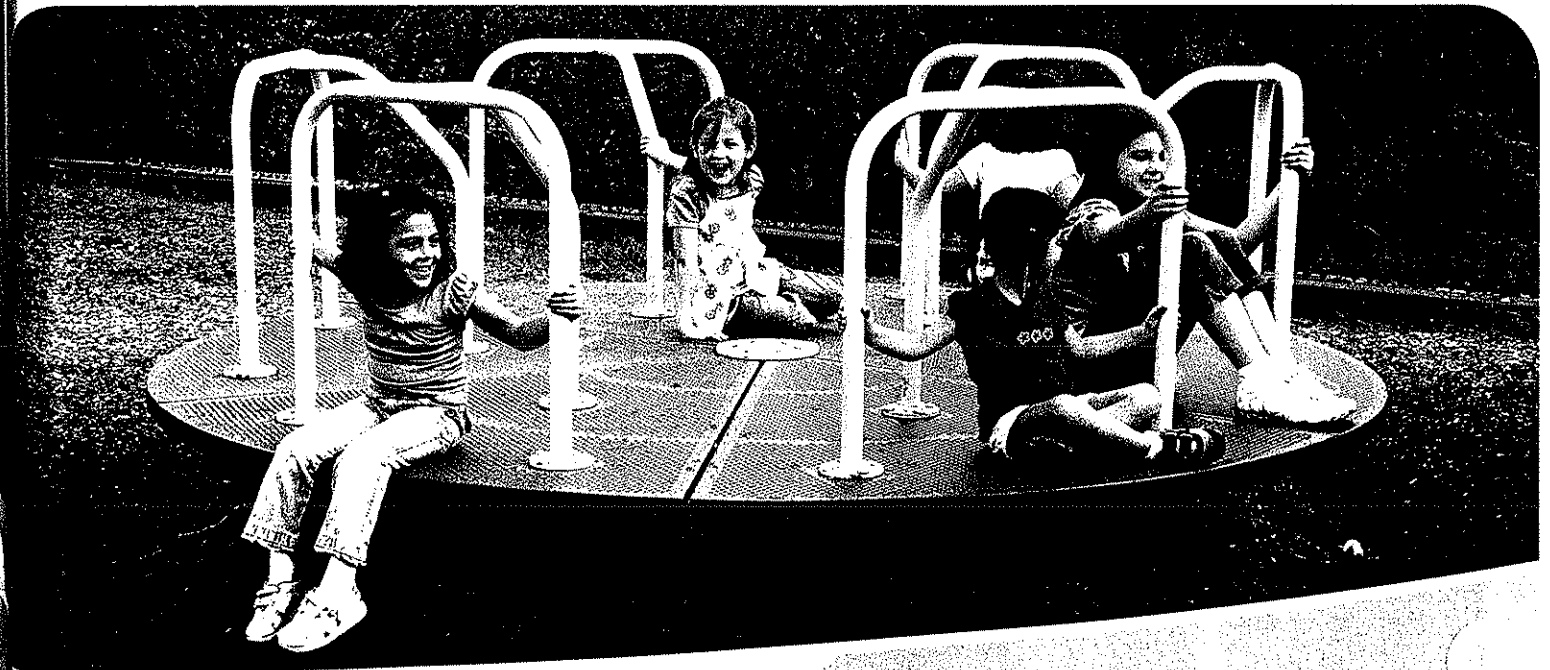
301-143	550 lbs.	\$2,546
Ages	5 - 12 years	Accommodates 10-12
Dimensions	8' diameter	
Use Zone	20' diameter	

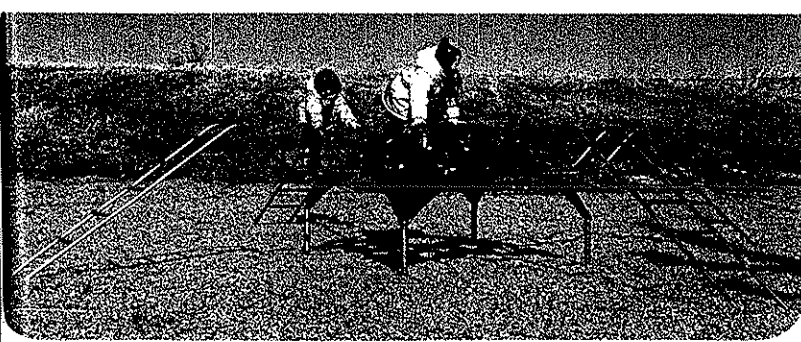
Please specify Red with Yellow, Green with Tan or Blue with White color scheme.

10' Round Merry Go Round

301-146	990 lbs.	\$5,672
Ages	5 - 12 years	Accommodates 14-16
Dimensions	10' diameter	
Use Zone	22' diameter	

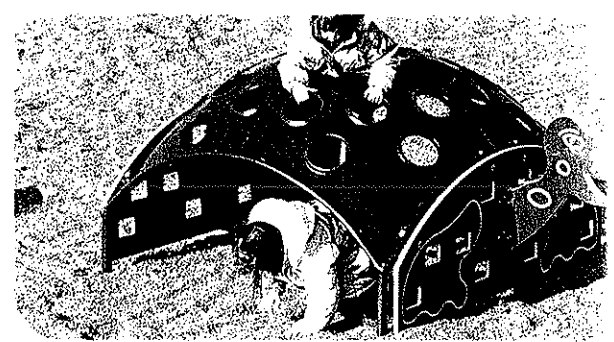
Please specify Red with Yellow, Green with Tan or Blue with White color scheme.





Charlotte the Spider

111-113 195 lbs. \$1,320
 Ages 5-12 years Accomodates 12
 Dimensions 12' W x 12' L x 3' H Use Zone 29' x 29'



Turtle Climber

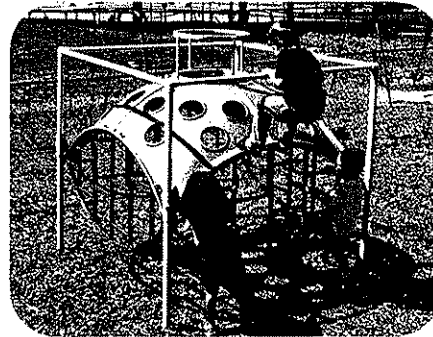
301-144 195 lbs. \$
 Ages 2-5 years
 Dimensions 5' W x 8' L x 3' H
 Use Zone 18' x 20'

**Lifetime
 Guarantee on
 all Aluminum
 Components**



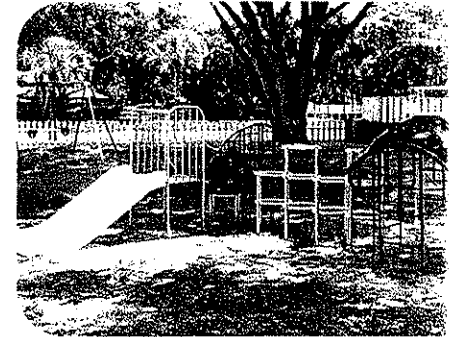
Quarter-Deck w/ Slide

111-412 625 lbs. \$2,830
 Ages 5-12 years
 Accomodates 8
 Dimensions 13' W x 17' L
 Use Zone 19' x 26'



Jr. Squirrel House

111-120 360 lbs. \$2,524
 Ages 5-12 years
 Accomodates 8
 Dimensions 5' W x 5' L x 4' 11" H
 Use Zone 17' x 17'



Funscape

111-440 1,067 lbs. \$
 Ages 5-12 years
 Accomodates 25
 Dimensions 17' W x 12' L
 Use Zone 28' x 25'

Early Years Playscape

371-042 Permanent 412 lbs. \$3,005
 372-042 Portable 417 lbs. \$3,082
 Ages 2-5 years Accomodates 20
 Dimensions 16' x 11' Use Zone 28' x 23'

(A) Up/Down Crawl Thru

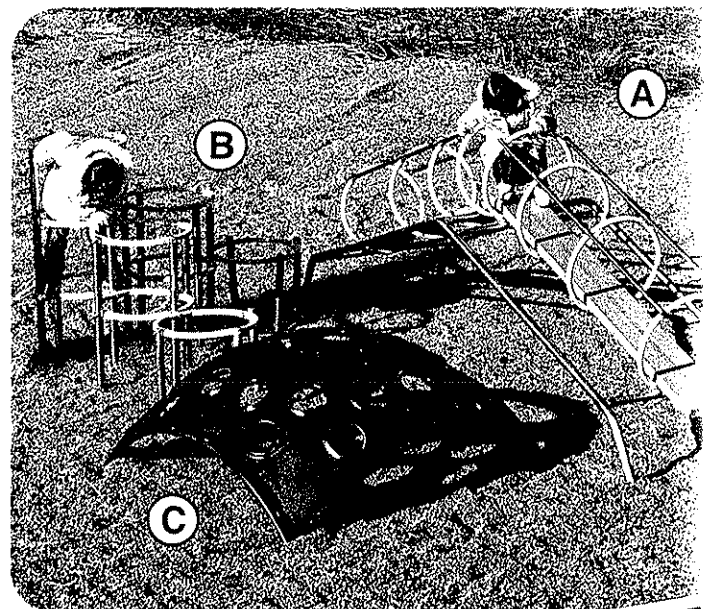
311-102 Permanent 155 lbs. \$1,201
 312-102 Portable 160 lbs. \$1,249
 Dimensions 2' x 11' 3" Use Zone 15' x 24'

(B) Ring Climber

301-102 Permanent 97 lbs. \$992
 302-102 Portable 99 lbs. \$1,240
 Dimensions 6' x 6' Use Zone 17' x 18'

(C) Rabbit Hutch

301-141 Permanent 160 lbs. \$965
 302-141 Portable 160 lbs. \$944
 Dimensions 5' x 5' Use Zone 17' x 17'



1,260
 0' x 24'
 1,654
 4' x 24'
 2,421
 2' x 24'
 ue,

Cabwayingo State Forest

Design Number: P52209-1 - 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	ZZCH0039GZ	4	3.5in x 148in GROUND ZERO POST NO CAP	N/A	187.48		396	0	4.00	0.72	0
2	ZZCH8410	1	THE CAGE	Certified	157.61		5,525	8	2.00	0.00	1
3	ZZCH8457	2	THE CRATER ARCH	Certified	159.00		906	4	2.00	0.06	2
4	ZZCH8469	1	THE LOW ARCH LEFT	Certified	118.88		277	2	2.00	0.12	1
5	ZZCH8470	1	THE HIGH ARCH RIGHT	Certified	125.00		294	2	2.00	0.12	1
6	ZZCH9859	4	THE LOLLICAP	Certified	10.12		7	0	1.00	0.00	0
7	ZZCHGUID	1	CHALLENGER GUIDELINES	N/A	0.00		0	0	0.25	0.00	0
8	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0
9	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07		51	0	0.25	0.00	0
10	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W//AEROSOL	N/A	3.46		31	0	0.25	0.00	0
Totals:					774.67	46	7,488	16	14.00	1.02	5
					348.60 Kg	21 Kg	87 Kg	7 Metric Tons			0.78 m3



Cabwaylingo State Forest

Design Number: P52209-1 - 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)	Install Hours	Concrete (Yds3)	Active Play Events
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ASTM F1487-07

The lay-out for this custom playscape, design number P52209-1, 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 Defra and the Carbon Trust. The PAS 2050 has gained international acceptance as a specification that measures the greenhouse gas emissions in services and goods throughout their entire life cycle.

Pre-Consumer Recycle Content

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

Post-Consumer Recycle Content

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

** The amount of Post-Consumer recycled steel fluctuates daily based on the availability of the recycled steel.





Product Specifications

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3.5in x 148in GROUND ZERO POST NO 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)

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZCH0039GZ

**photo
not
available**

* See Note

Component Number:	ZZCH0039GZ
Specification Rev:	PA1177
Component Weight:	46.87 Lbs.
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	14.06 Lbs.
CO2e Footprint:	98.91 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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THE CAGE

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).

Casting - 319 Alum.

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. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

Steel Clamp Band

Shall be fabricated from .25 in. zinc plated, hot rolled, pickled and oiled flat steel. Finished with a baked on superdurable polyester powder coating (See Superdurable Polyester Powder Coating).

Frame w/ band

Shall be an all welded assembly fabricated from 1.90 in . O.D. x 11 gauge galvanized steel tubing and .25 in. zinc plated, hot rolled, pickled and oiled flat steel. Finished with a baked on superdurable polyester powder coating (See Superdurable Polyester Powder Coating).

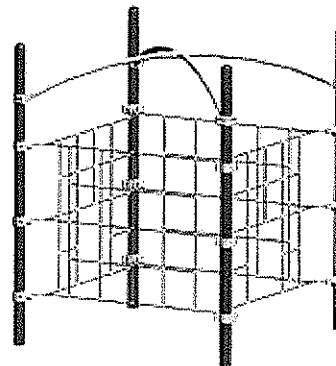
Net / Rope w/ crimp connectors

Shall be made of polyester-coated (polyamid yarns) steel cables. The polyester is abrasion-resistant and color-fast to UV light. The internal steel wires are drawn galvanized. The breaking load of the net is 8.84 ksi (39.34 kN). The rope to rope connecting castings are die-cast from EN-AC-44100 aluminum alloy with a tensile strength of 22 ksi. The ferrules are manufactured of 5051A aluminum alloy with a tensile strength of 26 ksi. The net is completely assembled in a configuration ready for attachment to the frame.

Steel Tubing - 1.9 in. OD, 11 ga.

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

ZZCH8410



* See Note

Component Number:	ZZCH8410
Specification Rev:	PA1099
Component Weight:	157.61 Lbs.
Number of Users:	8
Pre-Consumer Recycle:	19.31 Lbs.
Post-Consumer Recycle:	39.31 Lbs.
CO2e Footprint:	5,525.40 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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THE CRATER ARCH

3.5 in. (Wide) Aluminum Clamp Band (w/ Cbl. Con.)

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)

Frame - Crater Arch

Shall be an all welded assembly fabricated from 1.315 in. outside diameter, 12 gauge galvanized steel tubing; .25 in. hot rolled pickled and oiled flat steel; and 8 gauge galvanized sheet steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Plastic Panel - .75 in.

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

Steel Tubing - 1.315 in. OD, 12 ga.

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

ZZCH8457

photo
not
available

* See Note

Component Number:	ZZCH8457
Specification Rev:	PA1177
Component Weight:	79.50 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	12.53 Lbs.
Post-Consumer Recycle:	12.33 Lbs.
CO2e Footprint:	452.76 Kgs.

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Product Specifications

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THE CRATER ARCH

3.5 in. (Wide) Aluminum Clamp Band (w/ Cbl. Con.)

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)

Frame - Crater Arch

Shall be an all welded assembly fabricated from 1.315 in. outside diameter, 12 gauge galvanized steel tubing; .25 in. hot rolled pickled and oiled flat steel; and 8 gauge galvanized sheet steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Plastic Panel - .75 in.

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

Steel Tubing - 1.315 in. OD, 12 ga.

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

ZZCH8457

photo
not
available

* See Note

Component Number:	ZZCH8457
Specification Rev:	PA1177
Component Weight:	79.50 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	12.53 Lbs.
Post-Consumer Recycle:	12.33 Lbs.
CO2e Footprint:	452.76 Kgs.

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Product Specifications

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THE LOW ARCH LEFT

3.5 in. (Wide) Aluminum Clamp Band (w/ Cbl. Con.)

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)

Climber - Low Arch

Shall be an all welded assembly of 1.9 in. outside diameter, 13 gauge steel tubing with crimped insert, 1.315 in. outside diameter, 12 gauge steel tubing, 1.029 in. outside diameter; .25 in hot rolled pickled and oiled flat steel; and 1018 cold rolled steel. (See Tubing) Entire assembly shall be finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Banister

Shall be an all-welded assembly fabricated of 1.9 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Steel Tubing - 1.315 in. OD, 12 ga.

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

Steel Tubing - 1.9 in. OD, 13 ga.

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

ZZCH8469

photo
not
available

* See Note

Component Number:	ZZCH8469
Specification Rev:	PA1177
Component Weight:	118.88 Lbs.
Number of Users:	2
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	1.02 Lbs.
Post-Consumer Recycle:	35.92 Lbs.
CO2e Footprint:	277.22 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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THE HIGH ARCH RIGHT

3.5 in. (Wide) Aluminum Clamp Band (w/ Cbl. Con.)

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)

Banister

Shall be an all-welded assembly fabricated of 1.9 in. outside diameter, 13 gauge galvanized steel tubing. (See Tubing) Finished with a baked on powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Climber - Low Arch

Shall be an all welded assembly of 1.9 in. outside diameter, 13 gauge steel tubing with crimped insert, 1.315 in. outside diameter, 12 gauge steel tubing, 1.029 in. outside diameter; .25 in hot rolled pickled and oiled flat steel; and 1018 cold rolled steel. (See Tubing) Entire assembly shall be finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Steel Tubing - 1.315 in. OD, 12 ga.

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

Steel Tubing - 1.9 in. OD, 13 ga.

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

ZZCH8470

photo
not
available

* See Note

Component Number:	ZZCH8470
Specification Rev:	PA1177
Component Weight:	125.00 Lbs.
Number of Users:	2
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	1.02 Lbs.
Post-Consumer Recycle:	37.76 Lbs.
CO2e Footprint:	293.91 Kgs.

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



Product Specifications

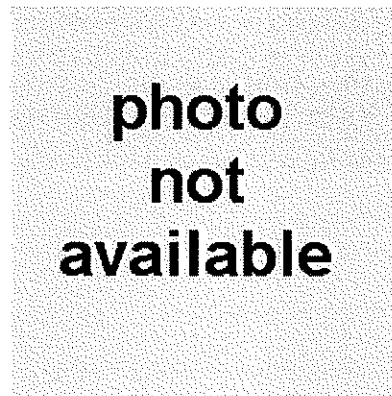
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THE LOLLICAP

Rotomolded Plastic Panel - .25 in.

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

ZZCH9859



* See Note

Component Number:	ZZCH9859
Specification Rev:	PA1177
Component Weight:	2.53 Lbs.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	0.00 Lbs.
CO2e Footprint:	1.75 Kgs.

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