



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

NOTICE

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

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



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:
DNR210030

PAGE:
1

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

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

VENDOR

CINDY MCGRADY
 (800) 385-0075
 PLAYGROUND SPECIALISTS INC
 11700 WHATES LANE
 THURMONT MD 21788

SHIP TO

DIVISION OF NATURAL RESOURCES
 NORTH BEND STATE PARK
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 221
 CAIRO, WV
 26337 304-643-2931

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/27/2009				
BID OPENING DATE: 09/17/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		650-38		
<p>PLAYGROUND EQUIPMENT NORTH BEND STATE PARK</p> <p style="text-align: center;">REQUEST FOR QUOTATION (RFQ)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES IS SOLICITING BIDS FROM RESPONSIBLE VENDORS FOR NEW PLAYGROUND EQUIPMENT FOR NORTH BEND STATE PARK PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 09/08/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH</p>						

RECEIVED
 2009 SEP 10 P 12:41
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 800/385-0075	DATE 9/11/09
TITLE Sales Manager	FEIN 52-2132887	ADDRESS CHANGES TO BE NOTED ABOVE

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

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

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

INSTRUCTIONS TO BIDDERS

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



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

Request for Quotation

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

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VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES
 NORTH BEND STATE PARK
 ATTN: PARK SUPERINTENDENT
 ROUTE 1, BOX 221
 CAIRO, WV 26337
 304-643-2931

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/27/2009				

BID OPENING DATE: **09/17/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p>VENDORS MUST PROVIDE UNIT PRICES FOR ALL LINE ITEMS. FAILURE TO PROVIDE UNIT PRICES WILL RESULT IN THE DISQUALIFICATION OF THE VENDORS BID.</p> <p>VENDORS MUST SUBMIT ALL UNIT PRICES IN THE UNIT OF MEASURE REQUESTED BY THE AGENCY. FAILURE TO PROVIDE UNIT PRICES IN THE GIVEN UNIT OF MEASURE WILL RESULT IN THE DISQUALIFICATION OF THE VENDOR'S BID.</p> <p>VENDORS MUST SUBMIT PRICING ON THE PRICING SHEET PROVIDED IN THIS REQUEST FOR QUOTATION. FAILURE TO USE THIS FORM WILL RESULT IN THE DISQUALIFICATION OF THE VENDOR'S BID.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>SESEP</i>	TELEPHONE 800/385-0075	DATE 9/11/09
TITLE SALES MANAGER	FEIN 522032887	ADDRESS CHANGES TO BE NOTED ABOVE

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



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BID OPENING DATE: **09/17/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: DNR210030</p> <p>BID OPENING DATE: 09/17/2009</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: <i>301/271-9239</i></p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): <i>STEVEN SUTER</i></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE <i>80/385-0075</i>	DATE <i>9/11/09</i>
TITLE <i>Sales Manager</i>	FEIN <i>52-2132887</i>	ADDRESS CHANGES TO BE NOTED ABOVE

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

WVDNR210030
North Bend State Park
PLAYGROUND EQUIPMENT SHEET

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

Item No.	Equipment	Manufacturer	Item
1	Recreation Area Playground PowerScape plus Fitness Fair, Item #85214, or equal.	PLAYWORD SYSTEMS	P40709-1
	One (1) stepped platform or equal. gauge punched steel.	↓	↓
	One (1) double wilder slide or equal.		
	One (1) zip slide or equal.		
	One (1) crunch bar or equal.		
	One (1) wavy tree climber or equal.		
	One (1) ADA gizmo panel or equal.		
	Two (2) slate roof or equal.		
	One (1) wishbone slide or equal.		
	One (1) giant wave climber or equal.		
	One (1) overhead ladder access package or equal.		
	One (1) triangle transfer platform or equal.		
	One (1) arch bridge or equal.		
	One (1) flip slide with universal hood or equal.		
	One (1) rockwall climber or equal.		
	One (1) cargo net wall attachment (single and double) or equal.		
	One (1) overhead tree climber or equal.		
	One (1) track ride or equal.		

WVDNR210030
North Bend State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item
	One (1) challenge station base or equal.	PLAYWORLD SYSTEMS	P40709-1
	One (1) crazy eight climber or equal.	↓	↓
	One (1) poly climbing wall or equal.		
	One (1) clover climber or equal.		
	One (1) 8' cosmix climber or equal.		
	One (1) bubble climber or equal.		
	One (1) cargo net wall attachment or equal.		
2	Recreation Area Playground PrimeTime swing frame, Item #12583, or equal.		
3	Recreation Area Playground PrimeTime swing add-a-bay, Item #12584, or equal.		#0375
4	Recreation Area PrimeTime tot seat package 3 1/2" OD, Item #8696, or equal.		#0265
5	Recreation Area Playground PrimeTime swing belt seat package 3 1/2" OD, item #8910, or equal.		#0260
6	Recreation Area Playground GameTime tuffclad in-ground bench, Item #28009, or equal.	↓	#1410
7	Recreation Area Playground one (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacture's guidelines.	PLAYGROUND SPECIALISTS	N/A
8	Lodge Area Playground PrimeTime kid coral, Item #g11823, or equal.	PLAYWORLD SYSTEMS	P40809-2
	One (1) crunch bar or equal.	↓	↓

WVDNR210030
North Bend State Park
PLAYGROUND EQUIPMENT SHEET

Item No.	Equipment	Manufacturer	Item		
	One (1) nature panel or equal.	PLAYWORLD SYSTEMS	P40809-2		
	One (1) transfer point with access attachment or equal.	↓	↓		
	One (1) wallcano vert wall climber or equal.				
	One (1) slate roof or equal.				
	One (1) mini arch bridge or equal.				
	One (1) clover leaf climber or equal.				
	One (1) double zip slide or equal.				
	One (1) ADA gizmo panel with three (3) gizmos or equal.				
	One (1) double steering wheel enclosure or equal.				
9	Lodge Area Playground PrimeTime swing frame, Item #12583, or equal.			PLAYWORLD SYSTEMS	#0288
10	Lodge Area Playground PrimeTime swing-a-bay, item #12584, or equal.			↑	#0375
11	Lodge Area PrimeTime tot seat package 3 1/2" OD, Item #8696, or equal.	#0265			
12	Lodge Area Playground PrimeTime swing belt seat package 3 1/2" OD, item #8910, or equal.	#0260			
13	Lodge Area Playground GameTime tuffclad in-ground bench Item #28009, or equal.	↓	#1410		
14	Lodge Area Playground one (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacture's guidelines.	PLAYGROUND SPECIALISTS	N/A		

North Bend State Park Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
1	1	Recreation Area Playground PowerScape plus Fitness Fair, Item #85214, or equal.	\$33635 ⁰⁰	\$33635 ⁰⁰
2	1	Recreation Area Playground PrimeTime swing frame, Item #12583, or equal.	730 ⁰⁰	730 ⁰⁰
3	1	Recreation Area Playground PrimeTime swing add-a-bay, Item #12584, or equal.	474 ⁰⁰	474 ⁰⁰
4	2	Recreation Area PrimeTime tot seat package 3 1/2" OD, Item #8696, or equal.	105 ⁰⁰	210 ⁰⁰
5	2	Recreation Area Playground PrimeTime swing belt seat package 3 1/2" OD, item #8910, or equal.	54 ⁰⁰	108 ⁰⁰
6	4	Recreation Area Playground GameTime tuffclad in-ground bench Item #28009, or equal.	252 ⁰⁰	252 ⁰⁰
7	1	Recreation Area Playground one (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacture's guidelines.	1300 ⁰⁰	1300 ⁰⁰
8	1	Lodge Area Playground PrimeTime kid coral, Item #g11823, or equal.	8395 ⁰⁰	8395 ⁰⁰
9	1	Lodge Area Playground PrimeTime swing frame, Item #12583, or equal.	730 ⁰⁰	730 ⁰⁰
10	1	Lodge Area Playground PrimeTime swing-a-bay, item #12584, or equal.	474 ⁰⁰	474 ⁰⁰
11	2	Lodge Area Playground PrimeTime tot seat package 3 1/2" OD, Item #8696, or equal.	105 ⁰⁰	210 ⁰⁰

North Bend State Park Playground Equipment
PRICING SHEET

Item No.	Quantity	Description	Unit Price	Amount
12	2	Lodge Area Playground PrimeTime swing belt seat package 3 ½" OD, item #8910, or equal.	54 ⁰⁰	108 ⁰⁰
13	1	Lodge Area Playground GameTime tuffclad in-ground bench Item #28009, or equal.	252 ⁰⁰	252 ⁰⁰
14	1	Lodge Area Playground one (1) day of supervision by successful vendor. Park personnel will install all playground equipment and this will provide oversight to ensure that all equipment is assembled and installed properly according to manufacture's guidelines.	1360 ⁰⁰	1360 ⁰⁰
		TOTAL		\$48178 ⁰⁰

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: PLAYGROUND SPECIALISTS INC

Signed: 

Date: 9/11/09

Title: SAKS MANAGER

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

RFQ No. DNR 210030STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

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

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

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

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

Vendor's Name: PLAYGROUND SPECIALISTS INC
Authorized Signature: [Signature] Date: 9/11/09

North Bend Lodge Area

Design Number: P40809-2 - Compliance and Technical Data
 Reference Document: ASTM F1487-07

Ref. No.	Part No.	Qty.	Description	Unit ASTM Status	Total Weight (lbs)	Pre-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
1	ZZXX0260	2	BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft TOP RAIL	Certified	16.74		141	0	0.50	0.00	0
2	ZZXX0265	2	INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL	Certified	22.62		252	0	0.50	0.00	0
3	ZZXX0288	1	3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL	Certified	293.51		846	2	3.00	0.52	2
4	ZZXX0375	1	3-1/2in OD STEEL ARCH SWING 2-UNIT ADD-A-BAY	Certified	179.11		539	2	2.00	0.52	2
5	ZZXX1410	1	6ft PERMANENT BENCH (COATED PLANKS & FRAME)	N/A	85.49		181	0	1.50	0.16	0
6	ZZCH0028	2	3.5in OD x 136in STEEL POST W/ RIVETED CAP	Certified	87.02		190	0	2.00	0.25	0
7	ZZCH0059	6	3.5in OD x 172in STEEL POST W/O CAP	Certified	309.66		697	0	6.00	0.75	0
8	ZZCH0616	1	SQUARE COATED DECK ASSEMBLY	Certified	54.86		173	3	1.00	0.00	0
9	ZZCH0636	1	DOUBLE SLIDE COATED DECK ASSEMBLY	Certified	63.86		200	3	1.00	0.00	0
10	ZZCH2027	1	TRANSFER STATION (48in DECK)	Certified	254.26		839	3	2.50	0.09	0
11	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83		98	1	1.00	0.04	0
12	ZZCH2727	1	TWIST AND SHOUT (48in DECK)	Certified	183.86		752	4	3.00	0.06	1
13	ZZCH4328	1	ANIMAL LOCATOR PANEL	Certified	47.77		291	1	0.50	0.00	1
14	ZZCH4396	1	ACCESSIBLE MAZE PANEL	Certified	17.90		132	1	0.50	0.00	1
15	ZZUN4299	2	STEERING WHEEL (CH/EX PIPE WALL MOUNT FOR 4in CENTERS)	Certified	10.58		83	1	0.50	0.00	2
16	ZZCH4095	1	CENTERLINE PIPE WALL BARRIER	Certified	28.74		84	0	0.50	0.00	0
17	ZZCH6987	1	INCLINED CLIFF HANGER (48in DECK)	Certified	115.55		534	1	2.00	0.06	1
18	ZZCH7658	1	SOLAR CLIMBER (48in & 42in DECK)	Certified	91.33		349	2	1.50	0.03	1
19	ZZCH5770	1	LEG LIFT	Certified	6.76		32	1	0.50	0.00	1
20	ZZCH6595	1	6ft ARCH BRIDGE	Certified	177.43		625	2	1.50	0.00	1
21	ZZCH9816	3	CAMBER 1/2 SQUARE ROOF	Certified	100.41		882	0	3.00	0.00	0
22	ZZPMGUID	1	GENERAL GUIDELINES FOR PLAYMAKER	N/A	0.00		0	0	0.25	0.00	0
23	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0



North Bend Lodge Area

Design Number: P40809-2 - 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)	Post-Consumer Recycled Content (lbs)	CO2e Footprint (kgs)	Users	Install Hours	Concrete (Yds3)	Active Play Events
24	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07	0	0	51	0	0.25	0.00	0
25	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46	0	0	31	0	0.25	0.00	0
Totals:					2,199.87	90	540	8,002	27	35.50	2.48	13
					989.94 Kg	41 Kg	243 Kg	8 Metric Tons			1.88 m3	



North Bend Lodge Area

Design Number: P40809-2 - Compliance and Technical Data
 Reference Document: ASTM F1487-07

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

The lay-out for this custom playscape, design number P40809-2, 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 and diverted from landfill during an initial manufacturing process and is being redirected to a separate manufacturing process to become a different product. E.g. 100% of our Aluminum Tubing is made from captured waste material during the manufacturing process of extruded Aluminum products such as rods, flat bars and H-channels.

Post-Consumer Recycle Content

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





Product Specifications

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3.5in OD x 136in STEEL POST W/ RIVETED CAP

3.5 in. Support Post - 13 ga.

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

Crown/Post/End Cap

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

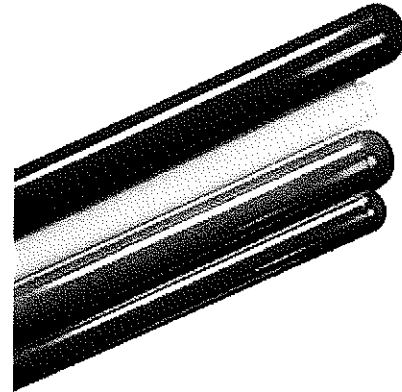
Drive Rivet

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZCH0028



* See Note

Component Number:	ZZCH0028
Specification Rev:	ECN343
Component Weight:	43.51 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	13.05 Lbs.
CO2e Footprint:	94.85 Kgs.

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



Product Specifications

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3.5in OD x 172in STEEL POST W/O CAP

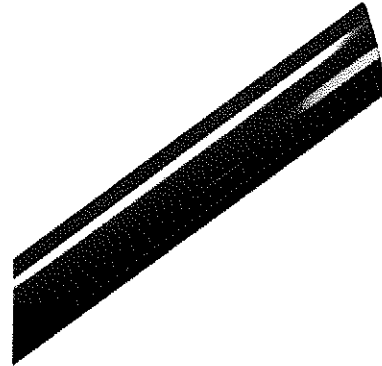
3.5 in. Support Post - 13 ga.

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.

ZZCH0059



* See Note

Component Number:	ZZCH0059
Specification Rev:	ECN343
Component Weight:	51.61 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	15.48 Lbs.
CO2e Footprint:	116.17 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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SQUARE COATED DECK ASSEMBLY

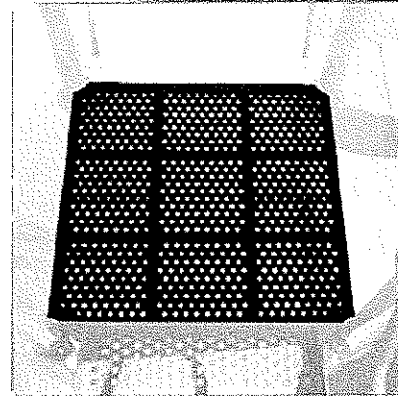
3.5 in. Die Cast Alloy Clamp

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

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)

ZZCH0616



* See Note

Component Number:	ZZCH0616
Specification Rev:	PA696
Component Weight:	54.86 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	4.97 Lbs.
Post-Consumer Recycle:	16.08 Lbs.
CO2e Footprint:	173.49 Kgs.

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



Product Specifications

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DOUBLE SLIDE COATED DECK ASSEMBLY

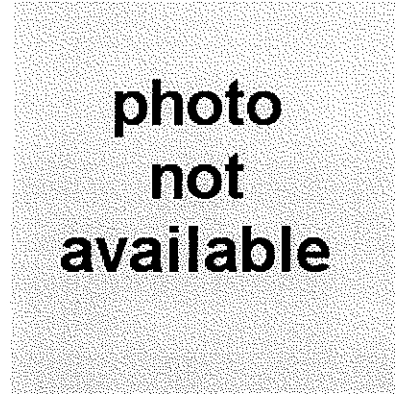
Coated Deck / Platform - 12 ga

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

3.5 in. Die Cast Alloy Clamp

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

ZZCH0636



* See Note

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

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



Product Specifications

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TRANSFER STATION (48in DECK)

3.5 in. Die Cast Alloy Clamp

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

Transfer Deck Support Leg

Shall be an all welded assembly fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; 1.66 in. outside diameter, 13 gauge galvanized steel tubing; and 1.88 in. hot rolled flat steel. (See Tubing.) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Barrier CH/EX sm rung

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

Grabbar

Shall be an all welded assembly fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and 1.88 in. zinc plated, hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Coated Transfer Deck - sm holes

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

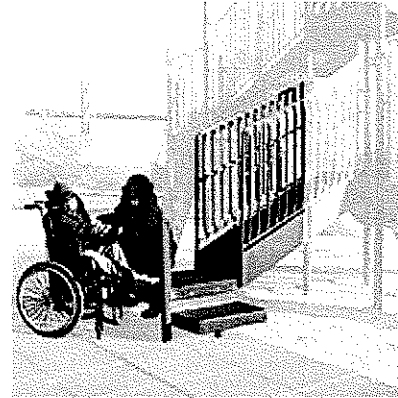
Coated Transfer Stair - sm holes

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

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

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

ZZCH2027



* See Note

Component Number:	ZZCH2027
Specification Rev:	ECN713
Component Weight:	254.26 Lbs.
Number of Users:	3
Amount of Concrete:	0.09 Yds.
Pre-Consumer Recycle:	10.75 Lbs.
Post-Consumer Recycle:	75.66 Lbs.
CO2e Footprint:	839.09 Kgs.

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

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



Product Specifications

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APPROACH STEP FOR TRANSFER STATION

Kickplate / Nose Bracket

Shall be fabricated from a single sheet of 14 gauge galvanized sheet steel. Shall have a minimum G60 galvanizing and regular spangle commercial quality. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

2.375 in. Support Post with Plate

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

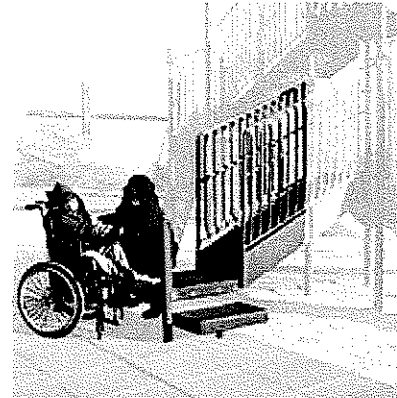
Approach Step

Approach step shall be an all-welded assembly fabricated of 11 gauge and 14 gauge hot rolled, pickled and oiled flat steel. Approach step surface and sides shall be die-formed from a single sheet of 12 gauge hot rolled, pickled and oiled flat steel. Approach step surface shall have 3/4 in. (8 mm) diameter perforated holes. Entire deck weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZUN2019



* See Note

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

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Product Specifications

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TWIST AND SHOUT (48in DECK)

3.5 in. Die Cast Alloy Clamp

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

Rail 14 ga. w/ inserts

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

Exit Support Post - 3.5 in.

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

Rotomolded Slide / Canopy

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

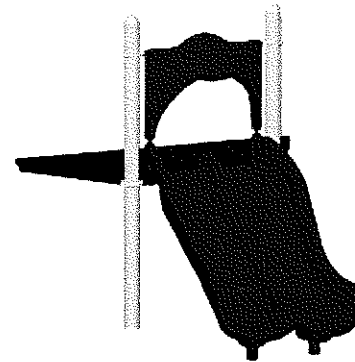
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZCH2727



* See Note

Component Number:	ZZCH2727
Specification Rev:	PA0949
Component Weight:	183.86 Lbs.
Number of Users:	4
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	0.60 Lbs.
Post-Consumer Recycle:	8.65 Lbs.
CO2e Footprint:	751.53 Kgs.

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Product Specifications

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ANIMAL LOCATOR PANEL

3.5 in. Die Cast Alloy Clamp

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

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).

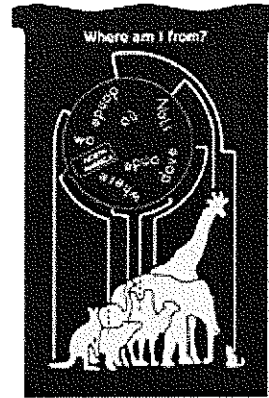
Panel Connector

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. (See Cast Almag Clamps). Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish).

Plastic Panel - .75 in.

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

ZZCH4328



* See Note

Component Number:	ZZCH4328
Specification Rev:	PA918
Component Weight:	47.77 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	14.07 Lbs.
Post-Consumer Recycle:	1.65 Lbs.
CO2e Footprint:	291.01 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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ACCESSIBLE MAZE PANEL

3.5 in. Die Cast Alloy Clamp

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

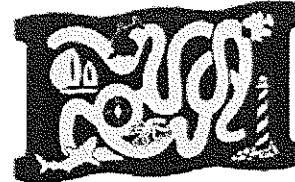
Panel Connector

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

Plastic Panel - .75 in.

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

ZZCH4396



* See Note

Component Number:	ZZCH4396
Specification Rev:	PA0961
Component Weight:	17.90 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	5.21 Lbs.
Post-Consumer Recycle:	3.31 Lbs.
CO2e Footprint:	132.02 Kgs.

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Product Specifications

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STEERING WHEEL (CH/EX PIPE WALL MOUNT FOR 4in CENTERS)

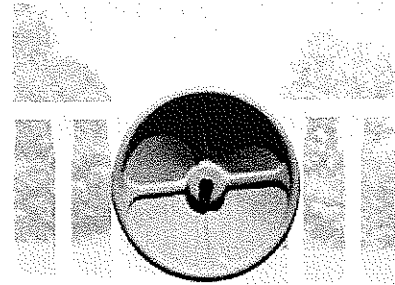
Steering Wheel Clamp

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

Steering Wheel w/ bearings

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

ZZUN4299



* See Note

Component Number:	ZZUN4299
Specification Rev:	ECN1157
Component Weight:	5.29 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	2.04 Lbs.
Post-Consumer Recycle:	2.55 Lbs.
CO2e Footprint:	41.56 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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CENTERLINE PIPE WALL BARRIER

3.5 in. Die Cast Alloy Clamp

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

Pipe Wall Barrier - CH/EX sm.rung

Shall be an all-welded assembly fabricated of 3/16 in. hot rolled, pickled and oiled flat steel; 1.029 in. outside diameter, 14 gauge galvanized steel tubing and .815 in. outside diameter, 15 gauge galvanized steel tubing. (See Tubing). Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

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

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZCH4095



* See Note

Component Number:	ZZCH4095
Specification Rev:	PA835
Component Weight:	28.74 Lbs.
Pre-Consumer Recycle:	0.60 Lbs.
Post-Consumer Recycle:	9.22 Lbs.
CO2e Footprint:	84.24 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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10ft CATWALK W/GUARDRAILS

3.5 in. Narrow Clamp Band

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)

Guardrail w/ Clamp Bands

Shall be an all-welded assembly fabricated of .815 in. Outside diameter, 15 gauge galvanized steel tubing; 1.315 in. Outside diameter, 14 gauge galvanized steel tubing and .25 hot rolled flat steel. Finished with a baked on polyester powder coating. (See Superdurable Powder Coat Finish)

Catwalk Platform (all 12 Ga.) - String Entg. Comp.

Platform weldment shall be fabricated of 12 gauge hot rolled, pickled and oiled flat steel and .375 cold rolled steel. Platform weldment shall have a protective coating. (See Coated Finish) Catwalk shall comply with ASTM Specifications: A-135, A-500, and A-513.

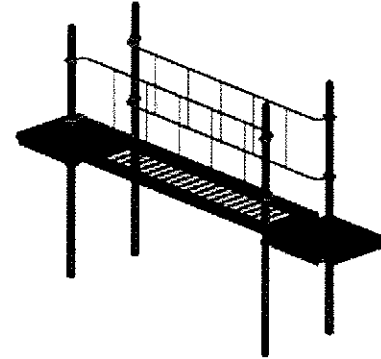
Steel Tubing - .815 in. OD, 15 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZCH6897



* See Note

Component Number:	ZZCH6897
Specification Rev:	ECN1465
Component Weight:	220.46 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	14.09 Lbs.
Post-Consumer Recycle:	64.46 Lbs.
CO2e Footprint:	647.19 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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SOLAR CLIMBER (48in & 42in DECK)

3.5 in. Die Cast Alloy Clamp

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

Climber Connector

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Solar Climber (new w/ step brace)

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

Arch Entry Barrier / Pipe Wall Barrier

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

Solar Climber Step Disc

Shall be fabricated from colored marine grade, .50 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZCH7658



* See Note

Component Number:	ZZCH7658
Specification Rev:	ECN1346
Component Weight:	91.33 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	2.85 Lbs.
Post-Consumer Recycle:	21.09 Lbs.
CO2e Footprint:	348.76 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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LEG LIFT

Leg Lift Handle

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

3.5 in. Cast Clamp Band

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZCH5770



* See Note

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

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



Product Specifications

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6ft ARCH BRIDGE

3.5 in. Die Cast Alloy Clamp

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

Arch Bridge Barrier w/ .815 in. OD. Rungs

An all-welded assembly fabricated of 1.029 in. outside diameter, 14 gauge galvanized steel tubing and .815 in. outside diameter, 15 gauge galvanized steel tubing. Tubing shall have a zinc-rich paint interior coating. ASTM Specifications: A-315, A-500, and A-513. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Arch Bridge - sm holes

Shall be an all welded assembly die formed from a single sheet of 14 gauge hot rolled, pickled and oiled flat steel. Platform surface shall have .34 in. (9 mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

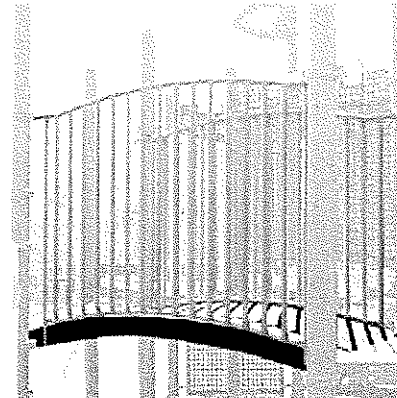
Steel Tubing - 1.029 in. OD, 14 ga.

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

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

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

ZZCH6595



* See Note

Component Number:	ZZCH6595
Specification Rev:	PA840
Component Weight:	177.43 Lbs.
Number of Users:	2
Pre-Consumer Recycle:	6.38 Lbs.
Post-Consumer Recycle:	49.24 Lbs.
CO2e Footprint:	624.98 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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CAMBER 1/2 SQUARE ROOF

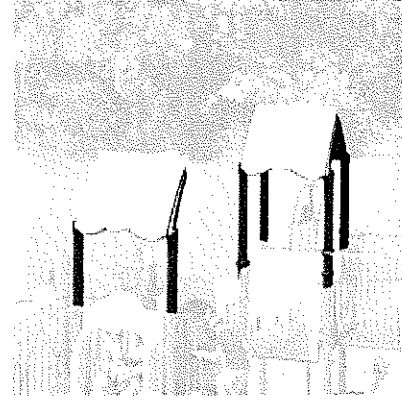
Bracket - 535 Almag

Bracket - 535 Almag Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Camber Roof

Shall be rotationally-molded from color-compounded, first quality, linear low density, Exxon CP-812 polyethylene. Dry-blended or molded-in resins are not acceptable. Shall be ultraviolet (UV) stabilized to UV-8 and have anti-static additives. Cross-sectional design shall be .25 in. (6 mm) nominal thickness, double wall construction. 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 (Environmental Stress Crack Resistance), D-2565 (Ultraviolet).

ZZCH9816



* See Note

Component Number:	ZZCH9816
Specification Rev:	PA695
Component Weight:	33.47 Lbs.
Pre-Consumer Recycle:	3.92 Lbs.
Post-Consumer Recycle:	4.90 Lbs.
CO2e Footprint:	293.93 Kgs.

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Product Specifications

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

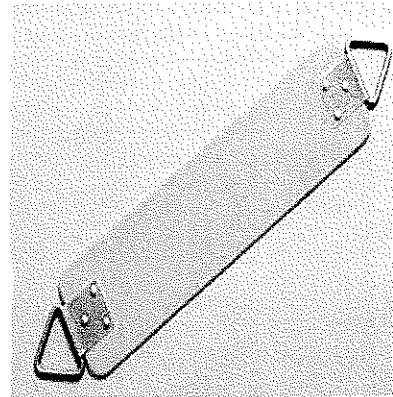
Chain - 4/0 - galvanized

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

Swing Seat - belt

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

ZZXX0260



* See Note

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

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



Product Specifications

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INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL

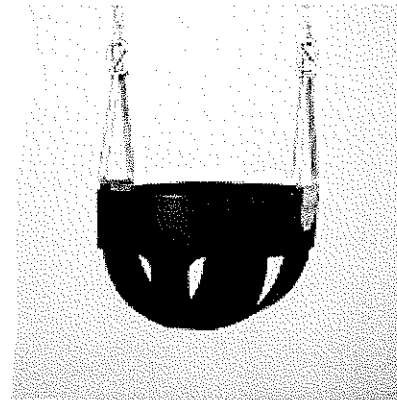
Chain - 4/0 - galvanized

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

Swing Seat - 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.

ZZXX0265



* See Note

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

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



Product Specifications

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3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL ZZXX0288

Swing Clevis - cast iron/ plated

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

3.5 in. Swing Hanger / Band - cast iron

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

3.5 in. Swing Arch Top Rail

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

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

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

Steel Tubing - 3.5 in. OD, 11ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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

photo
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available

* See Note

Component Number:	ZZXX0288
Specification Rev:	ECN1620
Component Weight:	293.51 Lbs.
Number of Users:	2
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	82.34 Lbs.
CO2e Footprint:	845.84 Kgs.

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



Product Specifications

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

ZZXX0375

Swing Clevis - cast iron/ plated

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

3.5 in. Swing Hanger / Band - cast iron

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

3.5 in. Swing Arch Top Rail

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

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

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

Steel Tubing - 3.5 in. OD, 11ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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

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not
available**

* See Note

Component Number:	ZZXX0375
Specification Rev:	ECN1620
Component Weight:	179.11 Lbs.
Number of Users:	2
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	48.02 Lbs.
CO2e Footprint:	539.46 Kgs.

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



Product Specifications

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6ft PERMANENT BENCH (COATED PLANKS & FRAME) ZZXX1410

Bench Frame - Coated

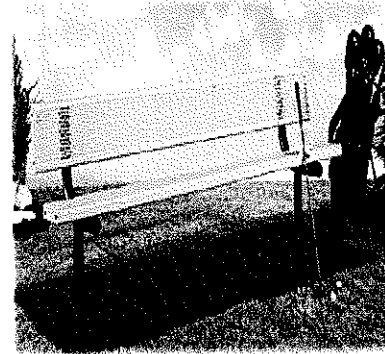
Shall be an all welded assembly consisting of 2 375 in. outside diameter, 12 gauge hot rolled, pickled and oiled steel tubing and 12 gauge hot rolled, pickled and oiled steel plate. Finished with a protective coating. (See Coated Finish)

Coated Perf. Bench Plank - .5" holes

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

Steel Tubing - 2.375 in. OD, 12 ga.

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



* See Note

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

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

North Bend Rec Area

Design Number: P40709-1 - 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	ZZXX0260	2	BELT SEAT W/SILVER SHIELD CHAIN FOR 8ft TOP RAIL	Certified	16.74		141	0	0.50	0.00	0
2	ZZXX0265	2	INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL	Certified	22.62		252	0	0.50	0.00	0
3	ZZXX0288	1	3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL	Certified	293.51		846	2	3.00	0.52	2
4	ZZXX0375	1	3-1/2in OD STEEL ARCH SWING 2-UNIT ADD-A-BAY	Certified	179.11		539	2	2.00	0.52	2
5	ZZXX1410	4	6ft PERMANENT BENCH (COATED PLANKS & FRAME)	N/A	341.96		725	0	6.00	0.64	0
6	ZZPM0016	2	5in OD X 120in STEEL POST W/ RIVETED CAP	Certified	134.22		315	0	2.00	0.26	0
7	ZZPM0026	10	5in OD X 132in STEEL POST W/ RIVETED CAP	Certified	742.10		1,725	0	10.00	1.20	0
8	ZZPM0036	8	5in OD X 144in STEEL POST W/ RIVETED CAP	Certified	647.28		1,499	0	8.00	1.04	0
9	ZZPM0036GZ	3	5in OD X 144in STEEL POST (GROUND ZERO)	Certified	241.23		562	0	4.50	0.54	0
10	ZZPM0066	1	5in OD X 180in STEEL POST W/ RIVETED CAP	Certified	100.81		234	0	1.00	0.13	0
11	ZZPM0128	3	5in OD x 192in STEEL POST W/RIVETED CAP	Certified	318.93		744	0	3.00	0.36	0
12	ZZPM1850	2	5in OD CANTILEVER POST FOR MONORAILS	Certified	166.22		585	0	2.00	0.36	0
13	ZZPM0616	3	SQUARE COATED DECK ASSEMBLY	Certified	271.08		712	4	3.00	0.00	0
14	ZZPM0617	2	TRIANGULAR COATED DECK ASSEMBLY	Certified	92.80		328	2	2.00	0.00	0
15	ZZPM0619	1	HEX COATED DECK ASSEMBLY	Certified	229.26		752	0	0.00	0.00	0
16	ZZPM2530	1	12in DECK TO DECK KICK PLATE	Certified	11.95		29	0	0.25	0.00	0
17	ZZPM2008	1	TRANSFER STATION w/BARRIERS (36in DECK)	Certified	204.88		571	2	2.00	0.09	0
18	ZZPM8230	1	DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)	Certified	300.00		1,184	3	1.50	0.00	1
19	ZZUN2019	1	APPROACH STEP FOR TRANSFER STATION	Certified	35.83		98	1	1.00	0.04	0



North Bend Rec Area

Design Number: P40709-1 - 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
20	ZZPM2737	1	RUMBLE SEAT (60in DECK)	Certified	203.20		876	4	3.00	0.06	1
21	ZZPM3129	1	90 DEGREE GLIDE SLIDE (36in DECK)	Certified	108.54		501	2	2.00	0.03	1
22	ZZPM3136	2	SLITHER SLIDE ENTRY/EXIT	Certified	202.44		1,049	2	4.00	0.06	2
23	ZZPM3148	2	SLITHER SLIDE BALCONY ENTRY/EXIT	Certified	341.30		1,558	3	5.00	0.06	2
24	ZZUN3147	6	SLITHER SLIDE (LEFT 120 DEGREE SECTION)	Certified	244.32		1,569	0	1.50	0.00	0
25	ZZUN3156	8	SLITHER SLIDE (STRAIGHT - SECTION)	Certified	169.12		1,269	0	2.00	0.00	0
26	ZZUN3157	2	SLITHER SLIDE (RIGHT SECTION)	Certified	42.28		317	0	0.50	0.00	0
27	ZZUN3158	1	SLITHER SLIDE (LEFT SECTION)	Certified	21.14		159	0	0.25	0.00	0
28	ZZUN3167	3	SLITHER SLIDE SUPPORT LEG 5ft-6in	Certified	68.52		293	0	0.75	0.09	0
29	ZZUN3176	4	SLITHER SLIDE SUPPORT LEG 2ft-6in	Certified	64.96		320	0	1.00	0.12	0
30	ZZPM4396	1	ACCESSIBLE MAZE PANEL	Certified	24.72		162	1	0.50	0.00	1
31	ZZPM4406	1	ACCESSIBLE DRIVING PANEL	Certified	31.59		223	1	0.50	0.00	1
32	ZZPM4288	1	ACCESS GATE	Certified	34.38		111	0	0.50	0.00	0
33	ZZPM6987	1	INCLINED CLIFF HANGER (48in DECK)	Certified	128.95		626	2	2.00	0.06	1
34	ZZPM7647	1	HOOPS CLIMBER (60in DECK)	Certified	78.42		213	2	1.50	0.03	1
35	ZZPM7658	1	SOLAR CLIMBER (48in DECK)	Certified	102.67		367	2	1.50	0.03	1
36	ZZPM7966	1	ROCKY RIDGE CLIMBER (60in DECK)	N/A	123.05		677	0	2.00	0.07	0
37	ZZPM8110	1	BEANSTALK CLIMBER (48in DECK)	Certified	88.61		383	2	1.50	0.03	1
38	ZZPM8150	1	SPIRAL CLIMBER (48in DECK)	Certified	97.67		300	2	1.50	0.04	1
39	ZZPM8190	1	TREE CLIMBER (48in DECK)	Certified	85.27		265	2	1.50	0.03	1
40	ZZPM0297	1	POST W/ LADDER CLIMBER (36in OR 48in DECK)	Certified	74.81		199	1	0.50	0.13	0
41	ZZPM8388	1	THE WALL	Certified	86.10		2,459	3	1.25	0.00	1
42	ZZPM8466	2	THE CRATER LADDER	Certified	167.16		841	0	2.00	0.00	0
43	ZZPM5736	2	CHINNING/TURNING BAR	Certified	18.50		96	1	1.00	0.00	2
44	ZZPM5770	1	LEG LIFT	Certified	7.20		35	1	0.50	0.00	1
45	ZZPM5790	1	10ft HORIZONTAL LOOP LADDER	Certified	84.46		326	3	1.00	0.00	1



North Bend Rec Area

Design Number: P40709-1 - 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	
46	ZZPM5970	1	OVERHEAD EVENT ACCESS LADDER (36in DECK)	Certified	26.16		88	1	1.50	0.06	0	
47	ZZUN6990	1	MONORAIL SECTION FOR CANTILEVER POSTS	Certified	56.38		622	1	2.00	0.00	1	
48	ZZPM6635	1	10ft COATED ARCH BRIDGE	Certified	401.77		1,141	5	2.00	0.00	1	
49	ZZPM9177	1	36in ACCESSIBLE STEPPED PLATFORM (DECK TO DECK)	Certified	286.99		816	2	1.50	0.00	0	
50	ZZPMGUID	1	GENERAL GUIDELINES FOR PLAYMAKER	N/A	0.00		0	0	0.25	0.00	0	
51	ZZUN9910	1	SURFACING WARNING LABEL KIT	Certified	0.05		0	0	0.25	0.00	0	
52	ZZUN9930	1	PIPE SYSTEMS MAINTENANCE KIT W/ AEROSOL	N/A	13.07		51	0	0.25	0.00	0	
53	ZZUN9990	1	TOOL AND ADDITIONAL PARTS KIT W/AEROSOL	N/A	3.46		31	0	0.25	0.00	0	
Totals:					7,837.79	295	1,946	29,789	59	99.50	6.60	26
					3,527.01 Kg	133 Kg	876 Kg	30 Metric Tons			5.02 m3	



North Bend Rec Area

Design Number: P40709-1 - Compliance and Technical Data
 Reference Document: ASTM F1487-07

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

The lay-out for this custom playscape, design number P40709-1, 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 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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5" O.D. X 120" STEEL POST W/ CAP

5 in. Support Post

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

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26 Federal Specifications: QQ-A-601.

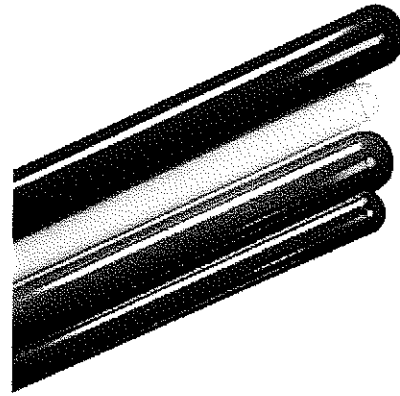
Drive Rivet

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

Steel Tubing - 5 in. OD, 11 ga.

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

ZZPM0016



* See Note

Component Number:	ZZPM0016
Specification Rev:	PA644
Component Weight:	69.20 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	20.13 Lbs.
CO2e Footprint:	157.66 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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5in OD X 132in STEEL POST W/ RIVETED CAP

ZZPM0026

5 in. Support Post

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

Crown/Post/End Cap

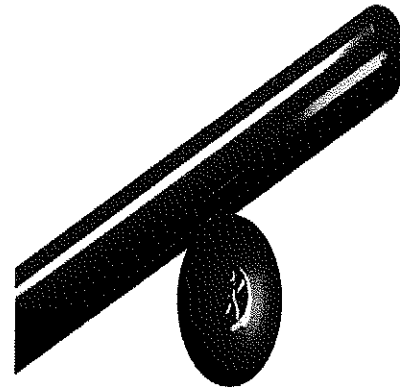
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a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

Drive Rivet

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

Steel Tubing - 5 in. OD, 11 ga.

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



* See Note

Component Number:	ZZPM0026
Specification Rev:	ECN605
Component Weight:	74.21 Lbs.
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	22.26 Lbs.
CO2e Footprint:	172.53 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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5in OD X 144in STEEL POST W/ RIVETED CAP

ZZPM0036

5 in. Support Post

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

Crown/Post/End Cap

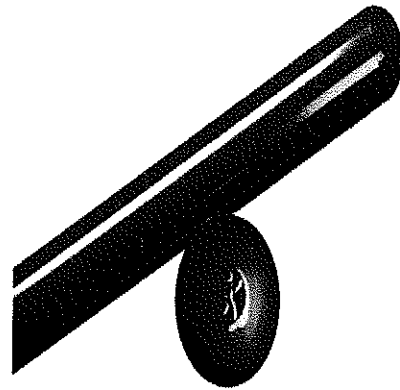
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a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

Steel Tubing - 5 in. OD, 11 ga.

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

Drive Rivet

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



* See Note

Component Number:	ZZPM0036
Specification Rev:	ECN343
Component Weight:	80.91 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	24.27 Lbs.
CO2e Footprint:	187.42 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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5in OD X 144in STEEL POST (GROUND ZERO)

ZZPM0036GZ

5 in. Support Post

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

Crown/Post/End Cap

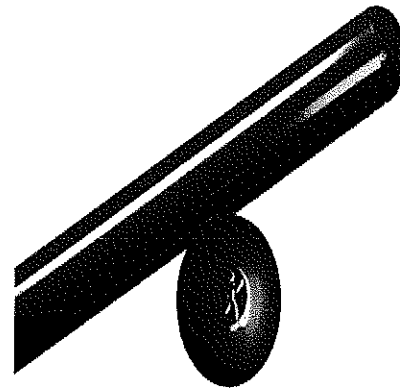
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a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

Steel Tubing - 5 in. OD, 11 ga.

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

Drive Rivet

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



* See Note

Component Number:	ZZPM0036GZ
Specification Rev:	ECN343
Component Weight:	80.41 Lbs.
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	24.12 Lbs.
CO2e Footprint:	187.42 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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5in OD X 180in STEEL POST W/ RIVETED CAP

ZZPM0066

5 in. Support Post

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

Crown/Post/End Cap

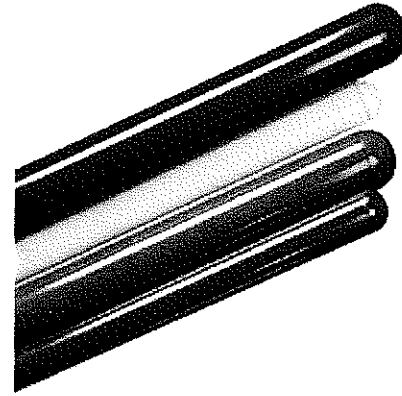
Shall be cast of high strength Almag 35 (535.0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a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

Drive Rivet

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

Steel Tubing - 5 in. OD, 11 ga.

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



* See Note

Component Number:	ZZPM0066
Specification Rev:	ECN343
Component Weight:	100.81 Lbs.
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	30.24 Lbs.
CO2e Footprint:	233.97 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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5in OD x 192in STEEL POST W/RIVETED CAP

5 in. Support Post

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

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

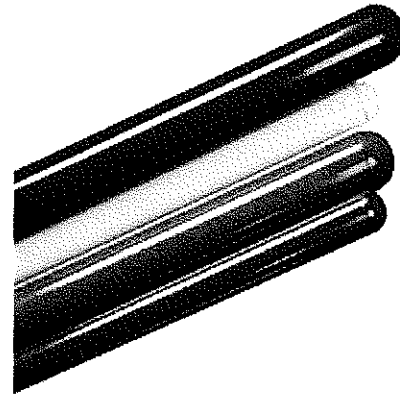
Drive Rivet

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

Steel Tubing - 5 in. OD, 11 ga.

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

ZZPM0128



* See Note

Component Number:	ZZPM0128
Specification Rev:	PA686
Component Weight:	106.31 Lbs.
Amount of Concrete:	0.12 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	31.89 Lbs.
CO2e Footprint:	248.09 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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5in OD CANTILEVER POST FOR MONORAILS

5 in. Cantilever Post

Shall be an all welded assembly fabricated of 5 in. outside diameter, 11 gauge galvanized steel tubing and .25 in hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Crown/Post/End Cap

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi. Yield strength shall be 21 ksi. Each crown and post cap shall be fastened to the end of the tubing with drive rivets. Plastic post end caps and plastic rivets are unacceptable. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish) ASTM Specifications: B-26. Federal Specifications: QQ-A-601.

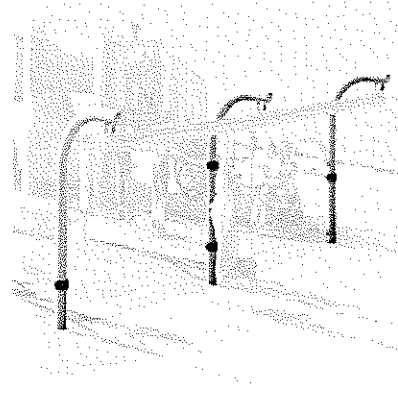
Drive Rivet

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

Steel Tubing - 5 in. OD, 11 ga.

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

ZZPM1850



* See Note

Component Number:	ZZPM1850
Specification Rev:	ECN343
Component Weight:	83.11 Lbs.
Amount of Concrete:	0.18 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	24.93 Lbs.
CO2e Footprint:	292.25 Kgs.

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



Product Specifications

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SQUARE COATED DECK ASSEMBLY

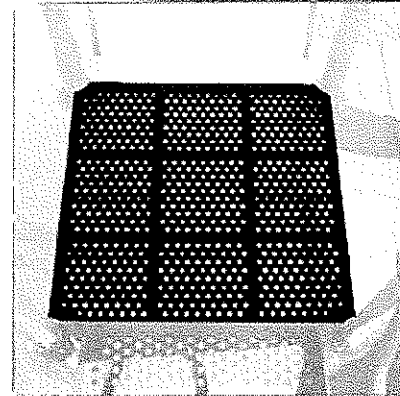
5 in. Die Cast Clamp

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

PM Square Coated Platform

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

ZZPM0616



* See Note

Component Number:	ZZPM0616
Specification Rev:	PA704
Component Weight:	90.36 Lbs.
Number of Users:	4
Pre-Consumer Recycle:	7.90 Lbs.
Post-Consumer Recycle:	25.89 Lbs.
CO2e Footprint:	237.41 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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TRIANGULAR COATED DECK ASSEMBLY

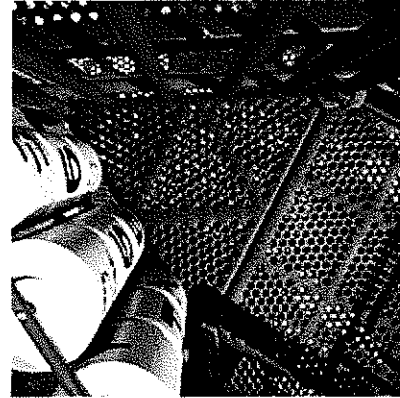
5 in. Die Cast Clamp

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

Coated Deck / Platform - 12 ga

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

ZZPM0617



* See Note

Component Number:	ZZPM0617
Specification Rev:	PA705
Component Weight:	46.40 Lbs.
Number of Users:	2
Pre-Consumer Recycle:	4.77 Lbs.
Post-Consumer Recycle:	15.20 Lbs.
CO2e Footprint:	164.04 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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HEX COATED DECK ASSEMBLY

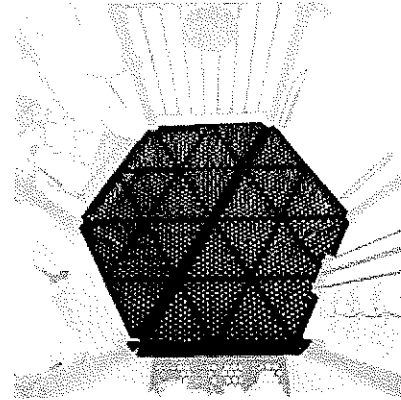
5 in. Die Cast Clamp

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

Coated Deck / Platform - 12 ga

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

ZZPM0619



* See Note

Component Number:	ZZPM0619
Specification Rev:	ECN578
Component Weight:	229.26 Lbs.
Pre-Consumer Recycle:	19.72 Lbs.
Post-Consumer Recycle:	67.70 Lbs.
CO2e Footprint:	751.80 Kgs.

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



Product Specifications

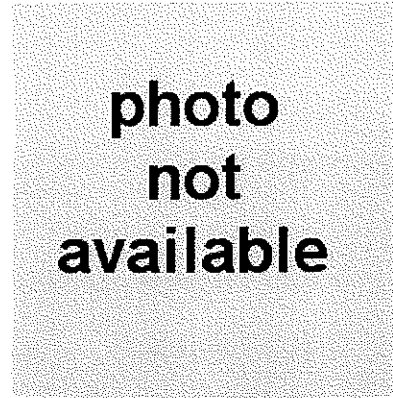
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12in DECK TO DECK KICK PLATE

Kickplate / Nose Bracket

Shall be fabricated from a single sheet of 14 gauge galvanized sheet steel. Shall have a minimum G60 galvanizing and regular spangle commercial quality. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

ZZPM2530



* See Note

Component Number:	ZZPM2530
Specification Rev:	PA429
Component Weight:	11.95 Lbs.
Pre-Consumer Recycle:	0.68 Lbs.
Post-Consumer Recycle:	2.49 Lbs.
CO2e Footprint:	29.35 Kgs.

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Product Specifications

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TRANSFER STATION w/BARRIERS (36in DECK)

Transfer Deck Support Post

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

5 in. Die Cast Clamp

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

Barrier - 1.029 in. O.D./ 1.315 in. O.D.

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

Grabbit

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

Coated Transfer Deck - sm holes

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

Coated Transfer Stair - sm holes

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

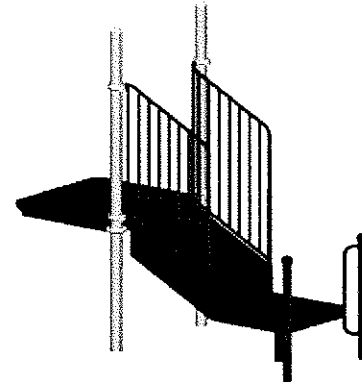
Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZPM2008



* See Note

Component Number:	ZZPM2008
Specification Rev:	PA1012
Component Weight:	204.88 Lbs.
Number of Users:	2
Amount of Concrete:	0.09 Yds.
Pre-Consumer Recycle:	8.12 Lbs.
Post-Consumer Recycle:	61.71 Lbs.
CO2e Footprint:	571.30 Kgs.

Steel Tubing - 2.375 in. OD, 12 ga.

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

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



Product Specifications

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DECK TO DECK ACCESSIBLE CLIMBER (24in RISE)

5 in. Die Cast Clamp

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

Panel Connector

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

Barrier - Pipe Wall - Access. Climber

Shall be fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing, 1.029 in outside diameter galvanized steel tubing, and .25 in. hot rolled, pickled and oiled flat steel (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Frame - Access Climber base

Shall be an all-welded assembly fabricated of 2 in. x 3 in. x 11 gauge galvanized rectangular steel tubing, 8 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)

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 Accessible Climber Base (Steps)

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

Steel Tubing - 1.66 in. OD, 13 ga.

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZPM8230



* See Note

Component Number:	ZZPM8230
Specification Rev:	ECN1507
Component Weight:	300.00 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	17.09 Lbs.
Post-Consumer Recycle:	56.19 Lbs.
CO2e Footprint:	1,184.11 Kgs.

Steel Tubing - 2 in. x 3 in., 11 ga.

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

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Product Specifications

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APPROACH STEP FOR TRANSFER STATION

Kickplate / Nose Bracket

Shall be fabricated from a single sheet of 14 gauge galvanized sheet steel. Shall have a minimum G60 galvanizing and regular spangle commercial quality. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

2.375 in. Support Post with Plate

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

Approach Step

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZUN2019



* See Note

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

* 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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RUMBLE SEAT (60in DECK)

5 in. Die Cast Clamp

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

Rail 14 ga. w/ inserts

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

Exit Support Post - 3.5 in.

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

Rotomolded Slide / Canopy

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

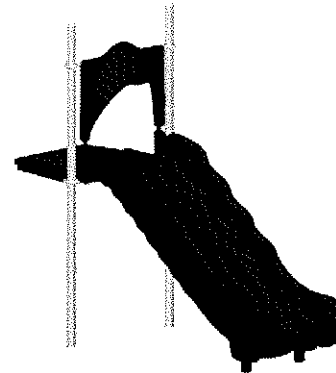
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZPM2737



* See Note

Component Number:	ZZPM2737
Specification Rev:	PA0950
Component Weight:	203.20 Lbs.
Number of Users:	4
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	1.03 Lbs.
Post-Consumer Recycle:	9.56 Lbs.
CO2e Footprint:	875.78 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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90 DEGREE GLIDE SLIDE (36in DECK)

5 in. Die Cast Clamp

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

Barrier - PM w/inserts & tabs

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

Exit Support Post - 3.5 in.

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

Glide Slide

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

Glide Slide Canopy

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

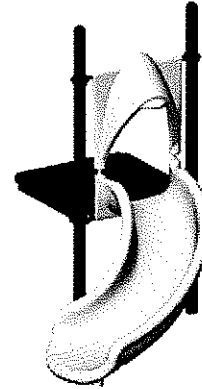
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZPM3129



* See Note

Component Number:	ZZPM3129
Specification Rev:	ECN1508
Component Weight:	108.54 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	1.03 Lbs.
Post-Consumer Recycle:	9.56 Lbs.
CO2e Footprint:	501.34 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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SLITHER SLIDE ENTRY/EXIT

5 in. Die Cast Clamp

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

Barrier - PM w/inserts & tabs

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

Exit Support Post - 3.5 in.

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

Rotomolded Slide

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

Glide Slide Canopy

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

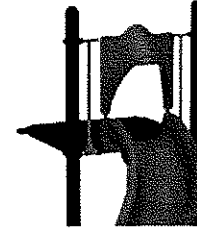
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZPM3136



* See Note

Component Number:	ZZPM3136
Specification Rev:	ECN1508
Component Weight:	101.22 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	1.03 Lbs.
Post-Consumer Recycle:	9.56 Lbs.
CO2e Footprint:	524.54 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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SLITHER SLIDE BALCONY ENTRY/EXIT

5 in. Die Cast Clamp

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

Barrier - Balcony

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 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)

Barrier - PM w/inserts & tabs

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

Exit Support Post - 3.5 in.

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

Rotomolded Slide

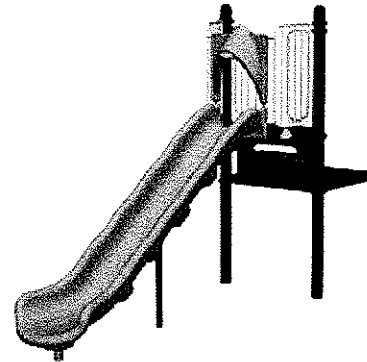
Shall be rotationally molded from linear low density polyethylene (See Rotationally Molded Plastic Parts) Dry-blended or molded-in color resins are not acceptable.

Glide Slide Canopy

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

Coated Deck / Platform - 14 ga

ZZPM3148



* See Note

Component Number:	ZZPM3148
Specification Rev:	ECN1508
Component Weight:	170.65 Lbs.
Number of Users:	3
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	4.09 Lbs.
Post-Consumer Recycle:	30.02 Lbs.
CO2e Footprint:	779.20 Kgs.

Shall be an all welded assembly fabricated of 14 gauge hot rolled, pickled and oiled flat steel. Deck surface and sides shall be die formed from a single sheet of 14 gauge hot rolled, pickled and oiled flat steel. Deck surface shall have 3/4 in (19mm) diameter perforated holes. Entire weldment shall have a protective coating. (See Coated Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

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

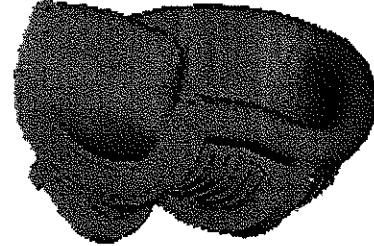
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SLITHER SLIDE (LEFT 120 DEGREE SECTION)

Rotomolded Slide

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

ZZUN3147



* See Note

Component Number:	ZZUN3147
Specification Rev:	PA1052
Component Weight:	40.72 Lbs.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	0.00 Lbs.
CO2e Footprint:	261.47 Kgs.

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



Product Specifications

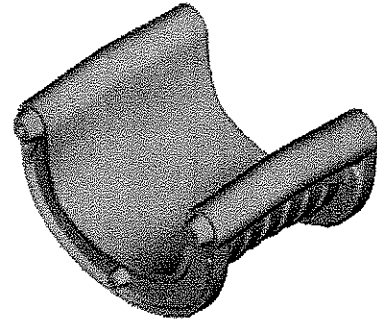
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SLITHER SLIDE (STRAIGHT - SECTION)

Rotomolded Slide

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

ZZUN3156



* See Note

Component Number:	ZZUN3156
Specification Rev:	PA1019
Component Weight:	21.14 Lbs.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	0.00 Lbs.
CO2e Footprint:	158.61 Kgs.

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



Product Specifications

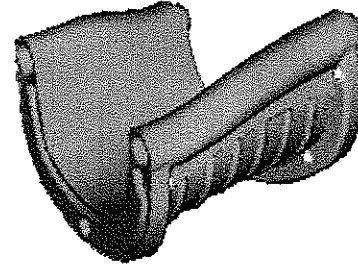
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SLITHER SLIDE (RIGHT SECTION)

Rotomolded Slide

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

ZZUN3157



* See Note

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

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



Product Specifications

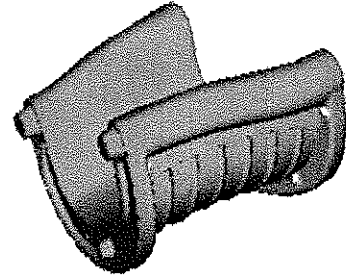
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SLITHER SLIDE (LEFT SECTION)

Rotomolded Slide

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

ZZUN3158



* See Note

Component Number:	ZZUN3158
Specification Rev:	PA1019
Component Weight:	21.14 Lbs.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	0.00 Lbs.
CO2e Footprint:	158.61 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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SLITHER SLIDE SUPPORT LEG 5ft-6in

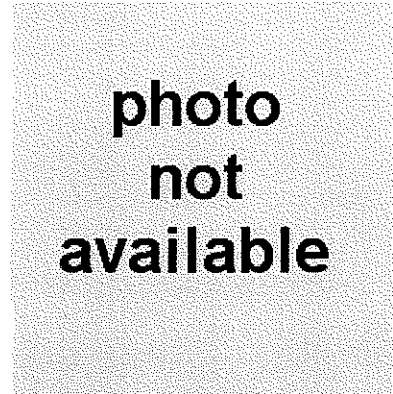
Slide Support Post (w/o plate)

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

Casting / Almag 35

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. Ultimate tensile strength shall be 40 ksi Yield strength shall be 21 ksi. Finished with a 420 micro finish and a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

ZZUN3167



* See Note

Component Number:	ZZUN3167
Specification Rev:	PA1019
Component Weight:	22.84 Lbs.
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	2.15 Lbs.
Post-Consumer Recycle:	7.82 Lbs.
CO2e Footprint:	97.56 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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SLITHER SLIDE SUPPORT LEG 2ft-6in

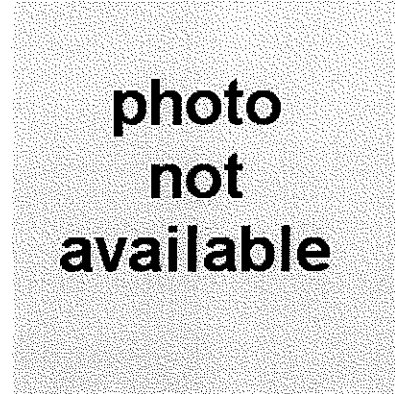
Casting / Almag 35

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

Slide Support Post (w/o plate)

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

ZZUN3176



* See Note

Component Number:	ZZUN3176
Specification Rev:	PA1019
Component Weight:	16.24 Lbs.
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	2.15 Lbs.
Post-Consumer Recycle:	5.84 Lbs.
CO2e Footprint:	80.08 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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ACCESSIBLE MAZE PANEL

5 in. Die Cast Clamp

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

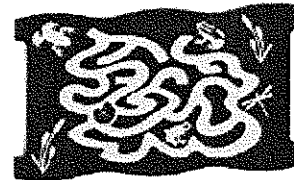
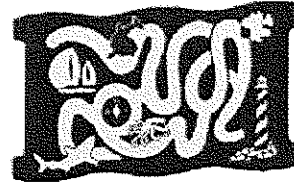
Panel Connector

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

Plastic Panel - .75 in.

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

ZZPM4396



* See Note

Component Number:	ZZPM4396
Specification Rev:	PA0961A
Component Weight:	24.72 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	7.25 Lbs.
Post-Consumer Recycle:	4.82 Lbs.
CO2e Footprint:	162.30 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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ACCESSIBLE DRIVING PANEL

5 in. Die Cast Clamp

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

Panel Connector

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

Ball Bearing - .25 in. Dia.

Shall be .25 in. diameter and be manufactured from AISI 400-C stainless steel and hardened to RC 58-65.

Spacer / Connector - Delrin

Shall be machined from black Delrin.

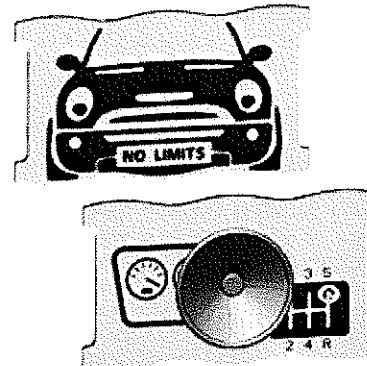
Steering Wheel w/ bearings

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.

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).

ZZPM4406



* See Note

Component Number:	ZZPM4406
Specification Rev:	PA0965
Component Weight:	31.59 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	9.65 Lbs.
Post-Consumer Recycle:	7.10 Lbs.
CO2e Footprint:	223.16 Kgs.

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Product Specifications

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ACCESS GATE

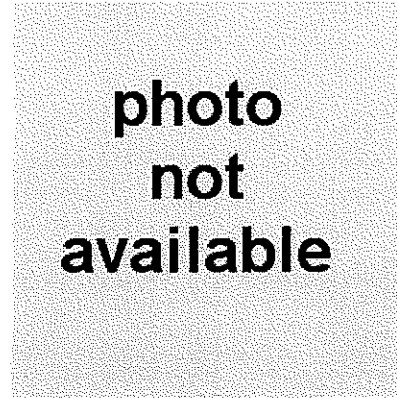
5 in. Die Cast Clamp

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

Arch Entry Barrier / Barrier Gate w/Coping

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

ZZPM4288



* See Note

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

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Product Specifications

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INCLINED CLIFF HANGER (48in DECK)

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)

Handhold - Climbing Wall

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

Barrier Gate w/o plate

Shall be fabricated of 1.315 in. outside diameter, 14 gauge galvanized steel tubing; 1.029 in. outside diameter, 14 gauge galvanized steel tubing; and .25 in. 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)

Frame - Climbing Wall

Shall be an all welded assembly fabricated of 2.375 in. outside diameter, 12 gauge galvanized steel tubing and 7 gauge zinc plated hot rolled, pickled and oiled flat steel. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable 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 - 1.029 in. OD, 14 ga.

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

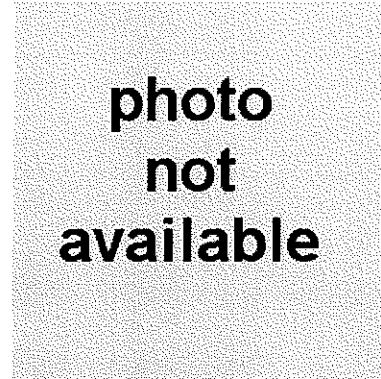
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZPM6987



* See Note

Component Number:	ZZPM6987
Specification Rev:	PA1114
Component Weight:	128.95 Lbs.
Number of Users:	2
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	16.88 Lbs.
Post-Consumer Recycle:	22.16 Lbs.
CO2e Footprint:	626.38 Kgs.

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Product Specifications

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HOOPS CLIMBER (60in DECK)

5 in. Die Cast Clamp

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

Hoops Climber

Shall be an all welded assembly fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 gauge galvanized steel tubing; and .188 in. zinc plated, hot rolled, pickled and oiled steel. (See Tubing) Vertical hoop ends shall be coped to provide the strongest joint possible. Finished with a baked on polyester powder coating. (See SuperDurable Polyester Powder Coat Finish)

Arch Entry Barrier / Barrier Gate w/Coping

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 1.66 in. OD, 13 ga.

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

ZZPM7647



* See Note

Component Number:	ZZPM7647
Specification Rev:	PA793
Component Weight:	78.42 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	1.03 Lbs.
Post-Consumer Recycle:	24.56 Lbs.
CO2e Footprint:	212.88 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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SOLAR CLIMBER (48in DECK)

5 in. Die Cast Clamp

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

Climber Connector

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

Solar Climber (new w/ step brace)

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

Arch Entry Barrier / Pipe Wall Barrier

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

Solar Climber Step Disc

Shall be fabricated from colored marine grade, .50 in. high density polyethylene and machined. Shall be ultraviolet (UV) stabilized. Meets FDA requirements. ASTM Specifications: D-1238 (Melt Index), D-1505 (Material Density), D-638 (Tensile Strength), D-648 (Heat Distortion Temperature) D-790 (Flexural Modulus), D-1693 and D-2561 (Environmental Stress Crack Resistance), D-2240 (Hardness), D-1822 (Tensile Impact) D-746 (Brittleness), D-1525 (Softening Point).

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 2.375 in. OD, 12 ga.

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

ZZPM7658



* See Note

Component Number:	ZZPM7658
Specification Rev:	ECN1346
Component Weight:	102.67 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	3.28 Lbs.
Post-Consumer Recycle:	34.06 Lbs.
CO2e Footprint:	367.14 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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ROCKY RIDGE CLIMBER (60in DECK)

5 in. Die Cast Clamp

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

Rock Footrest

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.

Arch Entry Barrier / Pipe Wall Barrier

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

Anchor Frame - Rocky Ridge

An all-welded assembly fabricated of 1.66 in. outside diameter, 13 gauge galvanized steel tubing; 12 gauge galvanized steel tubing; 5 in. hot rolled pickled and oiled flat steel plate; and .25 in. hot rolled pickled and oiled flat steel plate. (See Tubing) Plate shall be coated with yellow zinc dichromate before assembly. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

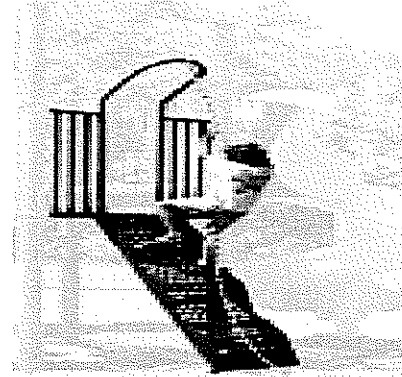
Net / Rope w/ crimp connectors

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.

Coated Climber Panel (small holes)

Climber panel shall be an all welded assembly fabricated from 11 gauge hot rolled, pickled and oiled flat steel and 14 gauge hot rolled, pickled and oiled flat steel. Panel surface shall be die-formed from a single sheet of 11 gauge hot rolled, pickled and oiled flat steel. Climber panel surface shall have .34 in. (9 mm) diameter perforated holes. Entire Climber panel weldment shall have a protective coating. (See

ZZPM7966



* See Note

Component Number:	ZZPM7966
Specification Rev:	ECN1788
Component Weight:	123.05 Lbs.
Amount of Concrete:	0.07 Yds.
Pre-Consumer Recycle:	7.92 Lbs.
Post-Consumer Recycle:	31.00 Lbs.
CO2e Footprint:	676.72 Kgs.

Coated Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 1.66 in. OD, 13 ga.

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

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Product Specifications

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BEANSTALK CLIMBER (48in DECK)

5 in. Die Cast Clamp

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

Handle / Step Climber Connector

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

Beanstalk Climber

Shall be fabricated of 1.90 in. Outside diameter, 13 gauge galvanized steel tubing and 1.315 in. Outside diameter, 14 gauge galvanized steel tubing. (See Tubing) Finished with a baked on powder coating. (See Superdurable Polyester Powder Coat Finish)

Arch Entry Barrier / Pipe Wall Barrier

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

Climber Connector

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

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.

ZZPM8110



* See Note

Component Number:	ZZPM8110
Specification Rev:	ECN1358
Component Weight:	88.61 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	7.42 Lbs.
Post-Consumer Recycle:	30.41 Lbs.
CO2e Footprint:	382.93 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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SPIRAL CLIMBER (48in DECK)

5 in. Die Cast Clamp

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

Climber Connector

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

Spiral Climber - 14 gauge plate

Shall be an all welded assembly fabricated of 1.9 in. Outside diameter, 13 gauge galvanized steel tubing; and 1.315 in. Outside diameter, 14 gauge galvanized steel tubing (See Tubing), and a 14 gauge galvanized steel plate. Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Arch Entry Barrier / Pipe Wall Barrier

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

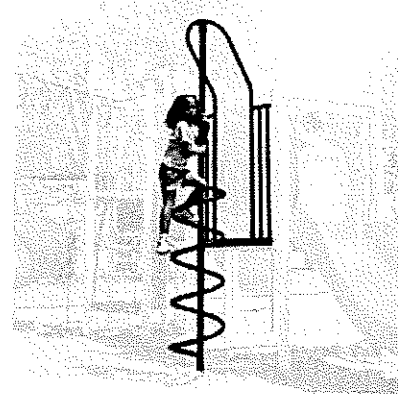
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 1.9 in. OD, 13 ga.

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

ZZPM8150



* See Note

Component Number:	ZZPM8150
Specification Rev:	ECN1607
Component Weight:	97.67 Lbs.
Number of Users:	2
Amount of Concrete:	0.04 Yds.
Pre-Consumer Recycle:	1.48 Lbs.
Post-Consumer Recycle:	27.31 Lbs.
CO2e Footprint:	299.99 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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TREE CLIMBER (48in DECK)

5 in. Die Cast Clamp

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

Climber Connector

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

Tree Climber

Shall be fabricated of 1.9 in. outside diameter, 13 gauge galvanized steel tubing and 1.029 in. outside diameter, 14 gauge galvanized steel tubing (See Tubing). ASTM: A-135, E-8 and A-500. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Arch Entry Barrier / Pipe Wall Barrier

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

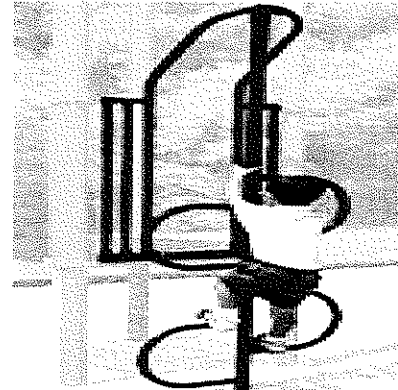
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 1.9 in. OD, 13 ga.

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

ZZPM8190



* See Note

Component Number:	ZZPM8190
Specification Rev:	ECN1361
Component Weight:	85.27 Lbs.
Number of Users:	2
Amount of Concrete:	0.03 Yds.
Pre-Consumer Recycle:	1.48 Lbs.
Post-Consumer Recycle:	26.86 Lbs.
CO2e Footprint:	264.90 Kgs.

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Product Specifications

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POST W/ LADDER CLIMBER (36in OR 48in DECK)

Post w/ Rungs - 5 in.

Shall be fabricated of 1.029 inch outside diameter, 14 gauge galvanized steel tubing and 5 inch outside diameter, 11 gauge galvanized steel tubing (See Tubing). Shall have a factory installed end cap cast of high strength Almag 35 (535.0-F) aluminum. 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 - 5 in. OD, 11 ga.

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

ZZPM0297



* See Note

Component Number:	ZZPM0297
Specification Rev:	PA1147
Component Weight:	74.81 Lbs.
Number of Users:	1
Amount of Concrete:	0.13 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	22.44 Lbs.
CO2e Footprint:	198.63 Kgs.

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Product Specifications

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THE WALL

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).

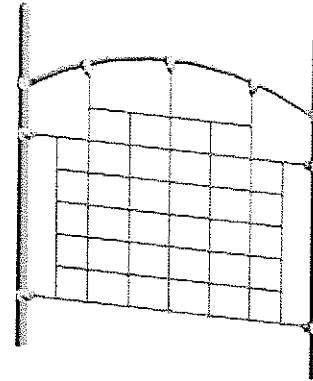
Net / Rope w/ crimp connectors

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.

ZZPM8388



* See Note

Component Number:	ZZPM8388
Specification Rev:	PA1099
Component Weight:	86.10 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	12.25 Lbs.
Post-Consumer Recycle:	22.89 Lbs.
CO2e Footprint:	2,459.20 Kgs.

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Product Specifications

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THE CRATER LADDER

5 in. Cast Alum. Clamp Band - Wide

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 (SM)

Shall be an all-welded assembly fabricated of 1.9 in. outside diameter, 13 gauge galvanized steel tubing; and 0.25 in. hot rolled pickled and oiled flat steel. (See Tubing) Finished with a baked on powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

Frame - Crater Arch (13 & 14 GA)

Shall be an all welded assembly fabricated from 1.315 in. outside diameter, 12 gauge galvanized steel tubing; 1.315 in. outside diameter, 14 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.

Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 1.9 in. OD, 13 ga.

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

ZZPM8466

photo
not
available

* See Note

Component Number:	ZZPM8466
Specification Rev:	PA1177
Component Weight:	83.58 Lbs.
Pre-Consumer Recycle:	12.68 Lbs.
Post-Consumer Recycle:	17.80 Lbs.
CO2e Footprint:	420.44 Kgs.

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Product Specifications

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CHINNING/TURNING BAR

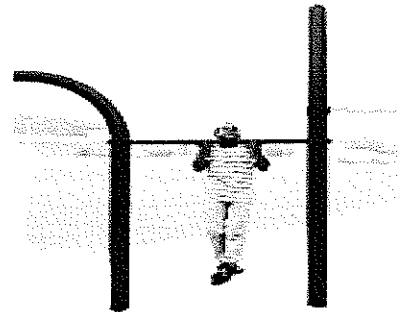
Chinning / Turning Bar w/ 5 in. Clamp Band

Shall be an all welded assembly fabricated of 1.315 in. outside diameter, 12 gauge galvanized steel tubing and .25 inch thick hot rolled flat steel. Finished with a baked on polyester powder coating or PrismCoat. (See PrismCoat / Polyester Powder Coat Finish)

5 in. Cast Alum. Clamp Band - Wide

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).

ZZPM5736



* See Note

Component Number:	ZZPM5736
Specification Rev:	ECN817
Component Weight:	9.25 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	0.88 Lbs.
Post-Consumer Recycle:	3.16 Lbs.
CO2e Footprint:	48.16 Kgs.

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Product Specifications

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LEG LIFT

Leg Lift Handle

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

5 in. Cast Clamp Band

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Steel Tubing - 1.029 in. OD, 14 ga.

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

ZZPM5770



* See Note

Component Number:	ZZPM5770
Specification Rev:	ECN886
Component Weight:	7.20 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	0.68 Lbs.
Post-Consumer Recycle:	2.45 Lbs.
CO2e Footprint:	35.31 Kgs.

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Product Specifications

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10ft HORIZONTAL LOOP LADDER

5 in. Die Cast Clamp

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

T Connector Clamp

Shall be cast of high strength Almag 35 (535 0-F) aluminum alloy. (See Cast Almag Clamps) Finished with a 420 micro finish and a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Support Rod (14 Ga.)

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

Loop Ladder

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

Steel Tubing - 1.029 in. OD, 14 ga.

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

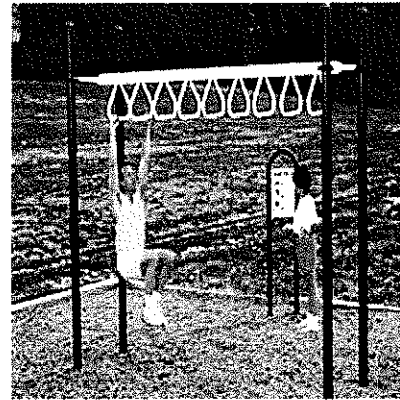
Steel Tubing - 1.315 in. OD, 14 ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

ZZPM5790



* See Note

Component Number:	ZZPM5790
Specification Rev:	ECN1452
Component Weight:	84.46 Lbs.
Number of Users:	3
Pre-Consumer Recycle:	3.57 Lbs.
Post-Consumer Recycle:	26.67 Lbs.
CO2e Footprint:	326.50 Kgs.

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Product Specifications

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OVERHEAD EVENT ACCESS LADDER (36in DECK)

5 in. Die Cast Clamp

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

Access Ladder

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

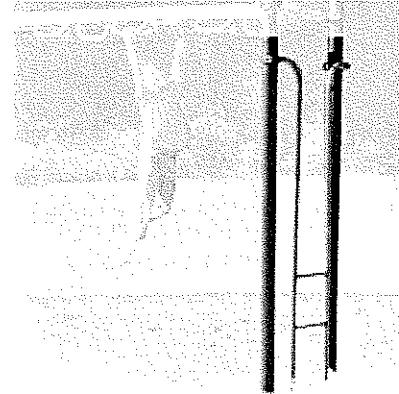
Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZPM5970



* See Note

Component Number:	ZZPM5970
Specification Rev:	ECN556
Component Weight:	26.16 Lbs.
Number of Users:	1
Amount of Concrete:	0.06 Yds.
Pre-Consumer Recycle:	1.03 Lbs.
Post-Consumer Recycle:	8.99 Lbs.
CO2e Footprint:	88.41 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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MONORAIL SECTION FOR CANTILEVER POSTS

Monorail Extrusion

Shall be extruded from T6061-T6 aluminum alloy. Finished with a baked on powder coating. (See Superdurable Polyester Powder Coat Finish)

Monorail Trolley Assembly

Shall be fabricated with a 304 stainless steel body having a 1.5 in. diameter bore and a 10 in. stroke. Cylinder shall have a double ended shaft with Buna N "U" cup seals and high strength aluminum alloy porting ends. Cylinder shaft shall have .438 in. -20 threads. Shaft threads shall have a black neoprene, 40-45 durometer bumper with solid steel core.

Monorail Bumper

Shall be formed of black urethane.

Monorail End Cap / Hanger

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)

ZZUN6990



* See Note

Component Number:	ZZUN6990
Specification Rev:	ECN52
Component Weight:	56.38 Lbs.
Number of Users:	1
Pre-Consumer Recycle:	41.03 Lbs.
Post-Consumer Recycle:	2.54 Lbs.
CO2e Footprint:	622.30 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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10ft COATED ARCH BRIDGE

5 in. Die Cast Clamp

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

Barrier - Arch Bridge

Shall be fabricated of 1 3/16 in. outside diameter, 14 gauge galvanized steel tubing; and .815 in. Outside diameter, 15 gauge galvanized steel tubing. (See Tubing) Finished with a baked on polyester powder coating. (See Superdurable Polyester Powder Coat Finish)

Coated Perf. Bridge Arch

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

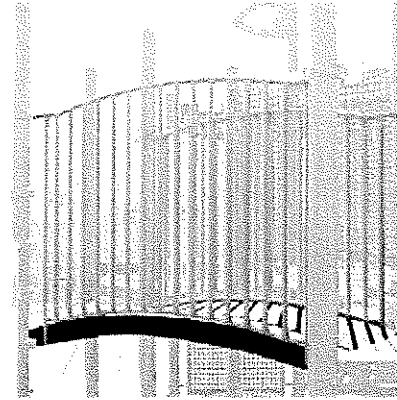
Steel Tubing - .815 in. OD, 15 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZPM6635



* See Note

Component Number:	ZZPM6635
Specification Rev:	ECN1452
Component Weight:	401.77 Lbs.
Number of Users:	5
Pre-Consumer Recycle:	16.94 Lbs.
Post-Consumer Recycle:	120.26 Lbs.
CO2e Footprint:	1,141.04 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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36in ACCESSIBLE STEPPED PLATFORM (DECK TO DECK)

5 in. Die Cast Clamp

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

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)

Coated Perf. Stair / Accessible Stair

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

Angle Clip / Plank

Shall be fabricated of 12 gauge hot rolled, pickled, and oiled flat steel. Angle clip / plank shall have a protective coating. (See Coated Finish)

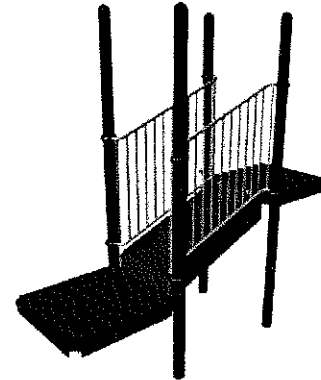
Steel Tubing - 1.029 in. OD, 14 ga.

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

Steel Tubing - 1.315 in. OD, 14 ga.

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

ZZPM9177



* See Note

Component Number:	ZZPM9177
Specification Rev:	PA759
Component Weight:	286.99 Lbs.
Number of Users:	2
Pre-Consumer Recycle:	12.56 Lbs.
Post-Consumer Recycle:	84.98 Lbs.
CO2e Footprint:	815.76 Kgs.

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Product Specifications

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

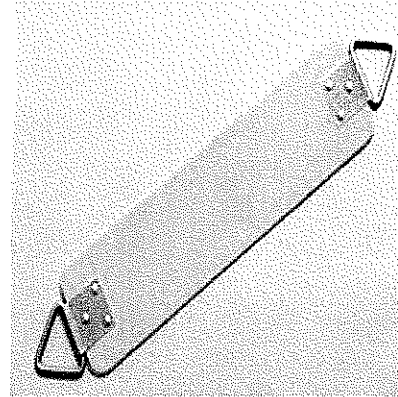
Chain - 4/0 - galvanized

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

Swing Seat - belt

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

ZZXX0260



* See Note

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

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Product Specifications

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INFANT SEAT W/SILVER SHIELD FOR 8ft TOP RAIL

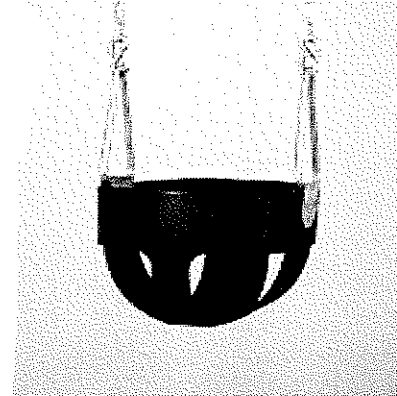
Chain - 4/0 - galvanized

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

Swing Seat - 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.

ZZXX0265



* See Note

Component Number:	ZZXX0265
Specification Rev:	ECN1836
Component Weight:	11.31 Lbs.
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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3-1/2in OD 2-UNIT STEEL ARCH SWING W-8ft TOP RAIL ZZXX0288

Swing Clevis - cast iron/ plated

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

3.5 in. Swing Hanger / Band - cast iron

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

3.5 in. Swing Arch Top Rail

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

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

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

Steel Tubing - 3.5 in. OD, 11ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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

**photo
not
available**

* See Note

Component Number:	ZZXX0288
Specification Rev:	ECN1620
Component Weight:	293.51 Lbs.
Number of Users:	2
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	82.34 Lbs.
CO2e Footprint:	845.84 Kgs.

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



Product Specifications

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

ZZXX0375

Swing Clevis - cast iron/ plated

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

3.5 in. Swing Hanger / Band - cast iron

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

3.5 in. Swing Arch Top Rail

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

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

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

Steel Tubing - 3.5 in. OD, 11ga.

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

Steel Tubing - 3.5 in. OD, 13 ga.

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

Steel Tubing - 4 in. OD, 8 ga.

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

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not
available**

* See Note

Component Number:	ZZXX0375
Specification Rev:	ECN1620
Component Weight:	179.11 Lbs.
Number of Users:	2
Amount of Concrete:	0.52 Yds.
Pre-Consumer Recycle:	0.00 Lbs.
Post-Consumer Recycle:	48.02 Lbs.
CO2e Footprint:	539.46 Kgs.

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Product Specifications

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6ft PERMANENT BENCH (COATED PLANKS & FRAME) ZZXX1410

Bench Frame - Coated

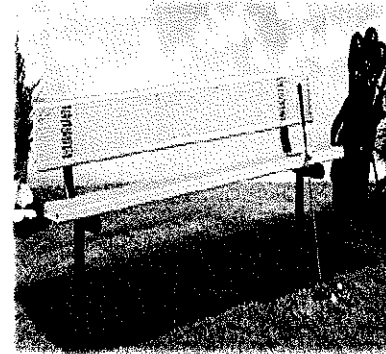
Shall be an all welded assembly consisting of 2.375 in. outside diameter, 12 gauge hot rolled, pickled and oiled steel tubing and 12 gauge hot rolled, pickled and oiled steel plate. Finished with a protective coating. (See Coated Finish)

Coated Perf. Bench Plank - .5" holes

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

Steel Tubing - 2.375 in. OD, 12 ga.

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



* See Note

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

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